

AMENDMENT NO. 3
West Area Water Reclamation Facility Improvements
(City Project No. 141525, Contract No. C-10844)

This Amendment No. 3 ("Amendment") to the Professional Services Agreement ("Agreement") is made this _____ day of _____, 2021, ("Effective Date"), by and between the City of Glendale, an Arizona municipal corporation ("City") and Arcadis U.S., Inc., a Delaware Corporation authorized to do business in Arizona ("Contractor").

RECITALS

- A. City and Arcadis U.S., Inc. ("Contractor") previously entered into Professional Services Agreement, Contract No. C-10844, dated May 10, 2016 ("Agreement"); and
- B. The initial study phase of the work has been completed with recommendations made on how to proceed with critical plant improvements.
- C. The detailed design of GMP1 (Headworks Improvements) has been completed and is under construction. Arcadis provided CA services as noted in C-10844-2. Construction will be completed June 2021.
- D. Expanding the Scope of Work (attached under Exhibit B) under the original Agreement will include the construction administration services related to the construction, start-up, commissioning, and post-construction activities for GMP 2A, the Primary Sedimentation Basin Improvements Project.
- E. This amendment includes payment for two GMP 1 CA Services change order requests, for the concrete and coating rehab professional services provided and the time extension matching the term extension approved for the CMAR.
- F. The use of the term "Contractor" under this Amendment No. 3 is used interchangeably with the term "Consultant" defined under the Agreement and used throughout the attached Exhibits.
- G. City and Contractor wish to modify and amend the Agreement subject to and strictly in accordance with the terms of this Amendment.
- H. This amendment includes revised billing rates that will be used henceforth and supersedes billing rates included with original Agreement.

AGREEMENT

In consideration of the mutual promises set forth herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the City and Contractor hereby agree as follows:

1. **Recitals.** The recitals set forth above are not merely recitals but form an integral part of this Amendment.
2. **Term.** The term of the Agreement is extended for a two-year period from May 11, 2021 through May 10, 2023, unless otherwise terminated or canceled as provided by the Agreement. All other provisions of the Agreement except as set forth in this Amendment shall remain in their entirety.
3. **Scope of Work.** This project will provide professional engineering services to complete the construction and selected design services described in Exhibit B.
4. **Compensation.** Including allowances, Phase 1/GMP1 (Facility Evaluation and Headworks Improvements Design) resulted in previous compensation of \$1,231,184. Amendment 1, including allowances, Phase 1/GMP1A (Significant Amendment to WAARF APP), Phase 1/GMP2A (Primary Sedimentation Basin Design), and Phase 2/GMP2 (WAWRF Improvements Design) resulted in a previous compensation of \$1,455,124. Including allowances; Phase 3/GMP1 (Headworks Construction Administration) resulted in a previous compensation of \$537,266. Including allowances, Phase III - GMP 2A (Primary Sedimentation Basin Construction Administration and GMP 1 CA services change order requests), will result in an increase in compensation of \$867,323 and as shown in the attached Exhibit D (for a total compensation including allowances of \$4,090,897).
5. **Insurance Certificate.** Current certificate will expire on June 1, 2021 and a new certificate applying to the extended term must be provided prior to this date to Materials Management and the Contract Administrator.
6. **Non-discrimination.** Contractor must not discriminate against any employee or applicant for employment on the basis of race, color, religion, sex, national origin, age, marital status, sexual orientation, gender identity or expression, genetic characteristics, familial status, U.S. military veteran status or any disability. Contractor will require any Sub-contractor to be bound to the same requirements as stated within this section. Contractor, and on behalf of any subcontractors, warrants compliance with this section.
7. **No Boycott of Israel.** The Parties agree that they are not currently engaged in and agree that for the duration of the Agreement they will not engage in, a boycott of Israel, as that term is defined in A.R.S. §35-393. Unless and until the District Court's injunction in *Jordahl v Brnovich*, 336 F. Supp.3d 1016 (D. Ariz. 2018) is stayed or lifted, the Anti-Israel Boycott Provision (A.R.S. §35-393.01 (A)) (if applicable to this agreement) is unenforceable and the City will take no action to enforce it.
8. **Attestation of PCI Compliance.** When applicable, the Contractor will provide the City annually with a Payment Card Industry Data Security Standard (PCI DSS) attestation of compliance certificate signed by an officer of Contractor with oversight responsibility.

9. **Ratification of Agreement.** City and Contractor hereby agree that except as expressly provided herein, the provisions of the original Agreement shall be, and remain in full force and effect and that if any provision of this Amendment conflicts with the Agreement, then the provisions of this Amendment shall prevail.

[Signatures on the following page.]

CITY OF GLENDALE, an Arizona
municipal corporation

Kevin R. Phelps, City Manager

ATTEST:

Julie K. Bower, City Clerk (SEAL)

APPROVED AS TO FORM:

Michael D. Bailey, City Attorney

Arcadis U.S., Inc.,
a Delaware Corporation



By: Brian J. Bubela, P.E.
Its: Vice President

**EXHIBIT A
Professional Services Agreement**

**CITY OF GLENDALE
WEST AREA WATER RECLAMATION FACILITY IMPROVEMENTS
Amendment 3
Project No. 141525**

**Phase III – GMP 2A WAWRF Improvements Project
Primary Sedimentation Basin Construction Administration (CA) Services**

PROJECT

DESCRIPTION OF PROJECT:

The City of Glendale (City) West Area Water Reclamation Facility (WAWRF) provides Class A+ effluent with a rated capacity of 11.5 million gallons per day (MGD) for reuse and aquifer recharge. The effluent is used at various lakes within the City and for recharge at the West Area Aquifer Recharge Facility (ARF) and the New River Agua Fria Underground Storage Project (NAUSP).

The City has experienced challenges with high solids loading, operational issues associated with grit/solids accumulation, and equipment deterioration. In addition, the City is concerned with limitations of existing equipment at the facility and its ability to treat flows and loads at the WAWRF that are outside of original design conditions.

Phase I of the project evaluated the plant's treatment processes and critical treatment components. The Consultant evaluated the plant process and treatment systems and recommended improvements. The improvements were prioritized based on criteria developed between the City and Consultant. Phase I also included design services for WAWRF headworks improvements, which were implemented in advance of the remainder of the recommended improvements.

Award of this contract includes Phase II design services for recommended improvements and Phase III construction administration services for recommended improvements. The Scope of Work for Phase II and Phase III services are defined in Exhibit B, and this contract will be amended as work progresses.

The project delivery mechanism is Construction Manager at Risk (CMAR). Phase II and Phase III services will assume an appropriate level of detail for the CMAR to develop guaranteed maximum price (GMP) proposals and construction related services. The CMAR is assumed to provide pre-construction services during design and will perform all cost, maintenance of plant operations, and field-verification activities. The Consultant may assist City staff with review and coordination with City-selected CMAR if defined in Exhibit B, Scope of Work.

EXHIBIT B
Professional Services Agreement

CITY OF GLENDALE
WEST AREA WATER RECLAMATION FACILITY IMPROVEMENTS
Amendment 3
Project No. 141525

Phase III – GMP 2A WAWRF Improvements Project
Primary Sedimentation Basin Construction Administration (CA) Services

SCOPE OF WORK

This Scope of Work describes Engineering Services to be provided by Arcadis U.S., Inc. (CONSULTANT) for the City of Glendale (CITY). The Engineering Services to be provided under this Scope of Work shall include services related to the construction, start-up, commissioning, and post-construction phases of the **West Area Water Reclamation Facilities Primary Sedimentation Basin Improvements Project**. The Scope of Work to be performed consists of the following services:

1. Project Administration Services during Construction; Section 200
2. Engineering Services during Construction; Section 300
3. Observation Services during Construction; Section 400
4. Special Services; Section 500
5. Allowances; Section 600

Other SUBCONSULTANTS working with CONSULTANT shall include the following:

- Nabar Stanley Brown of Gannett Fleming
- Southwest Protective Coatings

The Engineering Services are predicated on the following assumptions:

1. The Construction Manager at Risk (CMAR) will construct the work in one construction package with an estimated 13-month project duration and an anticipated Notice to Proceed date of May 2021.
2. The term “Contract Documents” as used herein refers to the combination of the CMAR’s contract with the CITY and CONSULTANT’s construction documents.
3. The CMAR will complete certain portions of the work in advance of the overall project substantial completion date defined in the Contract Documents. CONSULTANT shall schedule the inspection, training, and commissioning services as required to meet the substantial completion dates as defined in the CMAR project progress schedule.

4. All construction, programming/configuration (by others), start-up, and commissioning services will be complete by June 2022.
5. The 24-month post construction Warranty period to commence at Substantial Completion as defined in the Contract Documents.
6. The CMAR shall receive and transmit to and from the CONSULTANT all submittals, correspondence and necessary documentation from their suppliers and subcontractors. The CMAR will review these for completeness in accordance with the Contract Documents.

Engineering Services are to be provided throughout the duration of construction, start-up, commissioning, and post-construction phases of the project. The overall project duration is 13-months, with an anticipated Substantial Completion and final acceptance date as defined in the Contract Documents, plus a 24-month warranty period.

The Contract Documents are defined as the Agreement, General Conditions, Supplemental Conditions, Drawings, Standard Details, Specifications, Addendums, and executed change orders prepared for construction of the project.

SECTION 200 - PROJECT ADMINISTRATION SERVICES DURING CONSTRUCTION

Task 210 Representation on Behalf of CITY

The CONSULTANT shall consult with and advise CITY and act as its representative during construction. The extent and limitations of the duties, responsibilities and authority of CONSULTANT as assigned herein shall not be modified, except as CONSULTANT may otherwise agree, in writing.

The CONSULTANT assist the CITY in issuing the CITY's instructions to CMAR; issue necessary interpretations and clarifications of the Contract Documents; have authority, as CITY'S representative, to require special inspection or testing of the work; act as initial interpreter of the requirements of the Contract Documents and evaluate the acceptability and completeness of the CMAR's work thereunder, and make decisions on claims as directed by the CITY, to the CMAR relating to the acceptability of the work or the interpretation of the requirements of the Contract Documents pertaining to the execution and progress of the work. The CONSULTANT shall render all interpretations or decisions in good faith and in accordance with the requirements of the Contract Documents.

CONSULTANT shall not be responsible for the means, methods, techniques, sequences, or procedures of construction selected by CMAR (unless otherwise specified in the Contract Documents) or the safety precautions and programs incident to the work of CMAR.

CONSULTANT's efforts shall be directed toward advising the CITY whether the completed work of CMAR will conform to the Contract Documents, but CONSULTANT shall not be responsible for the failure of CMAR to perform the work in accordance with the Contract Documents.

On the basis of on-site examination of materials, equipment, and workmanship, CONSULTANT shall keep CITY informed of the progress of the work, shall endeavor to protect the CITY against defects and deficiencies in such work and may disapprove or reject work failing to conform to the Contract Documents. This task shall include the following subtasks:

- 210.1 Project Management: The CONSULTANT shall perform overall Project Management of the work, which consists of the administrative tasks necessary to maintain the overall project budget and schedule and includes the preparation of and assembly of the monthly reports and invoices. Under this task the CONSULTANT shall meet monthly with the CITY'S representative to discuss the services, the costs associated with the cash flow projections, and the schedule of services performed under this Scope of Work, and the overall status, progress, and issues on the project.
- 210.2 Construction Procedures and Communications: The CONSULTANT will utilize existing construction procedures and communications established under GMP1.
- 210.3 Attend Pre-Construction Conferences conducted by the CMAR: The CMAR shall conduct Pre-Construction Conference for the work. The conference will be held in accordance with the Contract Documents. At the conference, the CONSULTANT and CMAR shall identify field services to be provided by the CONSULTANT, CMAR and the CITY and discuss appropriate coordination procedures. The CMAR will conduct all conferences, and shall prepare and distribute all meeting minutes.
- 210.4 Provide Construction Administration, Quality Assurance, and Coordination: The CONSULTANT shall provide construction administration and quality assurance services during the course of the project to advise of the overall technical correctness of the work and construction services and that specified procedures are being followed and that the project schedule is being met. The CONSULTANT shall provide coordination functions during the construction phase as follows:
 1. Hold required coordination meetings with CITY Representatives.
 2. Coordinate the work of the CONSULTANT's specialty subconsultants assigned to the project.
 3. Participate in weekly construction progress meetings, conducted by the CMAR.
- 210.5 Perform Regulatory Agency Coordination: The CONSULTANT shall work with the CITY's staff and the CMAR to coordinate with regulatory agencies involved in the completion of this project; the following regulatory agencies are anticipated:
 1. Arizona Department of Environmental Quality (ADEQ)
 2. Maricopa County Department of Environmental Services (MCDES)

The CONSULTANT shall document all coordination and correspondence with the agencies. The CONSULTANT shall prepare and submit requests for approval of construction to MCDES for the work specified by the CITY under the Contract Documents. Per MCESD, each approval of construction will contain the following, at a minimum:

1. CONSULTANT'S Engineer's Certificate of Completion
2. Equipment/Piping Test Summary
3. Operations and Maintenance Manual (one hard copy and one electronic copy)
4. Record Drawings
5. CONSULTANT's Startup Plan

210.6 Coordination with City Building Services Department: The CONSULTANT shall work with the CMAR and CITY staff to coordinate with the Building Services Department in the Completion of this project. This effort is based on the preparation of special inspection certificates, providing special structural and electrical inspections for the work, and preparing the required monthly reports.

210.7 Provide Project Documents: The CONSULTANT shall maintain and provide the following detailed project records and documentation during the construction phase:

1. The project records shall include correspondence, schedules, submittal, test data, project data, payments, allowance requests, meeting minutes, clarifications, digital control system documentation and other such documentation the CONSULTANT receives. Project records shall be delivered to the CITY upon completion of the project. Records shall be maintained as defined under Section 400 of this Scope of Work at the CMAR's field office or electronically through a collaboration website/software.

Task 215 Administer the Construction Schedule

Review the CMAR's As-Planned Progress Schedule Submittal: The CONSULTANT shall review and critique the CMAR's As-Planned Progress Schedule submittal specific to completion. The CONSULTANT shall examine the work sequence, durations, interim milestones and other appropriate scheduling features in accordance with the requirements of the Contract Documents. The CONSULTANT shall provide review comments and shall meet and discuss the schedule comments with the CMAR, Subcontractors, and the CITY. The CONSULTANT shall review:

- A. The logic diagram and mathematical tabulations
- B. The narrative report
- C. The resource loading
- D. Schedule of Values and cost distribution as related to the resource loading

Review Monthly Progress Schedule Submittals: In accordance with the Contract Documents, the CONSULTANT shall review the monthly updates to the CMAR's Progress Schedule. The CONSULTANT shall perform a review of progress accomplished during the month and compare

it to the as-planned schedule and discuss significant discrepancies at the Construction Progress Meeting. CMAR and CONSULTANT shall establish, based on the data, the percent of completion of each element of the schedule.

Task 220 Perform Site Visits

The CONSULTANT's design staff will make periodic site visits appropriate for the type of construction at periods appropriate to the various stages of construction to observe, as an experienced and qualified professional, the progress and quality of the executed work and to determine in general if the work is proceeding in accordance with the design intent. The CONSULTANT's Design Manager will periodically attend the Construction Progress Meetings and make site visits to assist with field issues.

Task 230 Review Shop Drawings and Test Results

The CONSULTANT shall receive, review, evaluate, and distribute Shop Drawings, samples, test results, and other data which CMAR is required to submit. The CONSULTANT's review shall only be for conformance with the design concept of the Project and compliance with the information given in the Contract Documents. Such review or other action shall not extend to means, methods, sequences, techniques, or procedures of construction selected by CMAR, or to safety precautions and programs incident thereto. The CONSULTANT shall receive and review (for general contents as required by the Contract Documents) maintenance and operating schedules and instructions, Operation and Maintenance Manuals, Lesson Plans, guarantees, bonds and certificates of inspection which are to be assembled by CMAR in accordance with the Contract Documents.

Task 240 Issue Interpretations and Clarifications

The CONSULTANT shall respond to the CMAR to clarify and/or interpret technical, design related questions. Routine technical interpretations shall be responded to under Task 400. The CONSULTANT shall assist the CITY, as required, in resolution of these issues. The CONSULTANT shall respond to issues raised during construction regarding interpretation and clarification of the contractual administrative and technical requirements of the Contract Documents. Interpretations – Request for Information (RFI) and Engineer's Clarifications (EC) shall be issued to the CMAR under Task 400.

Task 245 Review Requests for Alterations

The CONSULTANT shall respond to the CMAR's Request for Alterations (RFA's). Routine technical interpretations shall be responded to under Task 400. RFA's shall be responded to under this task. The CONSULTANT shall respond to requests for alterations requested by the CMAR during the construction phase.

Task 250 Certify Progress Payments

The CONSULTANT shall inform the CITY of approval of the CMAR's Schedule of Values, after

any updates or adjustments have been made by the CMAR in accordance with the Contract Documents. The monthly Progress Schedule update in combination with the CONSULTANT's field observations and the progress schedule shall be used by the CONSULTANT to determine the appropriateness of the CMAR's Application for Payment.

Based on CONSULTANT'S on-site observations, as an experienced and qualified professional, and on review of Applications for Payment and the any accompanying data and schedules required to review Applications for Payment, the CONSULTANT shall determine the amounts owed to the CMAR and recommend, in writing, that payments to the CMAR in such amounts be submitted by the CITY; such recommendations of payment will constitute a representation to the CITY, based on such observations and review, that the work has progressed to the point indicated, that, to the best of CONSULTANT's knowledge, information and belief, the quality of such work is in accordance with the Construction Documents (subject to an evaluation of such work as a functioning Project upon Substantial Completion, to the results of subsequent tests called for in the Construction Documents, and to qualifications stated in the recommendation), and that payment of the amount recommended from the review of the Application for Payment is due to the CMAR.

Task 260 Substantial Completion and Final Acceptance Inspection

Following notice from the CMAR, the CONSULTANT shall conduct an inspection to determine if the Project is substantially complete in accordance with the Contract Documents. If the CITY and the CONSULTANT considers the work substantially complete, the CONSULTANT shall deliver to the CITY and CMAR the Certificate of Substantial Completion and the punch list, the date for completion of the punch list, and recommend the division of responsibilities between the CITY and the CMAR.

Substantial Completion and Final Acceptance Inspection shall be done for the following construction elements:

- A. Site work excavation for the yard piping, primary sedimentation basin and pump station
- B. Installation of the yard piping, primary sedimentation basin structure and pump station structure
- C. Installation of the primary sedimentation basin mechanical and electrical elements
- D. Installation of the pump station mechanical and electrical elements
- E. Instrumentation and Controls upgrades
- F. Services by the CMAR as described in SECTION 500 - SPECIAL SERVICES
- G. All remaining work, site work, and site improvements

It is anticipated that the final punch list correction period shall occur during a thirty (30) day period immediately following the Substantial Completion Inspection associated with each construction element.

The CONSULTANT shall, upon completion of the punch list items, make final inspection to determine if the finished work has been completed to the standard required by the Contract Documents, and CMAR has fulfilled the obligations thereunder so that CONSULTANT may

recommend, in writing, final payment to CMAR and may give written notice to CITY and the CMAR that the work is acceptable subject to conditions therein expressed.

CONSULTANT shall not be responsible for the acts or omissions of the CMAR or any of the CMAR's Subcontractor's, agents or employees or any other persons (except CONSULTANT'S own employees and agents) at the site or otherwise performing any of the CMAR's work; however, nothing contained in Tasks 210 through 260, inclusive, shall be construed to release CONSULTANT from liability for negligent acts, errors or omissions in the performance of CONSULTANT's duties in accordance with this Scope of Work.

SECTION 300 - ENGINEERING SERVICES DURING CONSTRUCTION

Task 310 Surveying

The CONSULTANT shall coordinate surveying services as specified as being performed by the CITY or CMAR in the Contract Documents. This includes:

- A. Verifying the CMAR's understanding of the plant grid system and the existing horizontal and vertical controls used to locate and layout the project.
- B. Coordination with the CMAR's surveyor during the construction of the project.

All survey services will be performed by CMAR.

Task 320 Changes

The CONSULTANT shall perform services in connection with allowance requests to reflect changes requested by CITY or CMAR, for evaluating substitutions proposed by CMAR and in making revisions to Drawings and Specifications occasioned thereby, and resulting from significant delays, changes or price increases occurring as a direct or indirect result of material or equipment shortages. Changes and RFA's shall be limited to the scope of the Project as defined by the Contract Documents or additional work as may be requested by the CITY. The CONSULTANT shall prepare drawings, details and specifications needed to describe the change. The CONSULTANT shall prepare an estimate of the cost and time impact of the change and conduct negotiations with the CMAR in conjunction with the CITY.

Task 330 Material Testing

The CONSULTANT shall coordinate materials inspection and testing services as required to be performed by the CITY in the Contract Documents.

The CITY will provide the services of a Professional Construction Materials Inspection and Testing Laboratory that meets ASTM E 329 requirements. Inspection and testing shall be coordinated with the construction schedule. Testing and inspection services shall include placement inspection and testing of compacted select fill and backfill, ordinary backfill, paving base, pavement subgrade, and subgrade courses; asphaltic concrete pavement inspection and field density tests and concrete testing and inspection. Samples for testing shall be collected from the

construction site and delivered to the on-site laboratory. The laboratory shall provide a construction materials technician (technicians) to perform the field construction materials inspection and field-testing services herein outlined.

CONSULTANT shall review laboratory reports and reports of inspection and testing activities describing the tests and inspections made. Written reports of all testing results, which identify the required data and identify conformance or non-conformance with the Contract Document shall be maintained by the CONSULTANT and provided to the CITY at the completion of the project.

SECTION 400 - OBSERVATION SERVICES DURING CONSTRUCTION

The CONSULTANT shall provide appropriate personnel and expertise in order to observe performance of the work of the CMAR. Through increased on-site observations of the work in progress and field checks of materials and equipment by CONSULTANT staff, CONSULTANT shall endeavor to provide further protection for CITY against defects and deficiencies in the work of CMAR; but the furnishing of such representation will not make CONSULTANT responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions or programs, or for CMAR failure to perform the work in accordance with the Contract Documents.

CONSULTANT's onsite observers shall not:

- A. Authorize any deviations from the Contract Documents or approve any substitute materials or equipment which may impact cost, time, or design intent without approval from the CITY.
- B. Undertake the responsibilities of CMAR, Subcontractors or CMAR's superintendent, or expedite the work.
- C. Advise on or issue directions relative to the means, methods, techniques, sequences, or procedures of construction unless such is specifically called for in the Contract Documents.
- D. Advise on or issue directions as to safety precautions and programs in connection with the work.
- E. Advise the CITY to occupy and/or start-up equipment which may have been impacted by the Project in whole or in part, outside of the terms stated in Task 465 Substantial Completion.
- F. Remain located permanently onsite. CONSULTANT staff will attend weekly meetings and inspections as required by Contract Documents. CONSULTANT will be on-site part-time for scheduled inspections and meetings only (this is not a full-time position, but periodic onsite observation for confirmation of compliance with the Contract Documents).
- G. The CONSULTANT will not approve changes to any equipment or material for which the Contract Documents required a Pre-Bid approval for such a change unless approved by the CITY.

H. The CONSULTANT will not deliver to the CITY a set of indexed shop drawings.

CONSULTANT's dealings in matters pertaining to the on-site work shall in general be only with CITY and CMAR, and dealings with CMAR or Subcontractors shall only be through or with the full knowledge of CMAR.

CONSULTANT shall be responsible for performing the following tasks:

Task 405 Schedules

Review the Progress Schedule, schedule of CMAR's submittal and Schedule of Values prepared by CMAR, and consult with CITY concerning their acceptability.

Task 410 Meetings and Conferences

Attend Pre-Construction Conferences as described under Task 210.3. Attend Weekly Construction Progress Meetings.

Task 415 Liaison

- A. Serve as CONSULTANT'S liaison with CMAR, working principally through CMAR's Project Manager and assist the Project Manager in understanding the intent of the Contract Documents. Serve as CITY'S liaison with CMAR, in support of CMAR's coordination of construction operations that affect CITY'S operations.
- B. Assist in obtaining from CITY additional details or information, when required at the job site for proper execution of the work.

Task 420 Shop Drawings and Samples

- A. Submittals which are furnished by CMAR shall be received and reviewed as defined in Task 230.
- B. Advise CITY prior to the commencement of work requiring a Shop Drawing or sample submission if the submission has not been approved and inform the CMAR.

Task 425 Review of Work, Rejection of Defective Work, Inspections and Tests

- A. Conduct on-site observations of the work in progress to assist CONSULTANT in determining if the work is proceeding in accordance with the Contract Documents and that completed work conforms to the Contract Documents.
- B. Report to CITY whenever it is believed that work is unsatisfactory, faulty, defective or does not conform to the Contract Documents, or does not meet the requirements of inspections, tests or approval required to be made, or has been damaged prior to final payment; and advise CITY in writing when it is believed work should be corrected or rejected or should be

uncovered for observation, or requires special testing, inspection or approval.

- C. Verify that tests, equipment, and systems start-up and operating and maintenance instructions are conducted as required by the Contract Documents and in presence of the required personnel, and that CMAR maintains required records thereof; observe, record and report to CONSULTANT appropriate details relative to the test procedures and start-ups. Conduct field checks to ensure that Shop Drawings have been approved for equipment that is being installed and verify that installers are using the approved Shop Drawings.
- D. Accompany visiting inspectors representing public or other agencies having jurisdiction over the Project, record the outcome of these inspections and report to CITY.

Task 430 Interpretation of Contract Documents

Receive and transmit all clarifications and interpretations of the Contract Documents, to/from the CMAR and CITY as described above.

Task 435 Field Alteration and Verification

Receive, review, and respond to the CMAR's RFA's and confirmation of Field Order agreements.

Task 440 Changes

Consider and evaluate CMAR's suggestions for changes in drawings or specifications and report them with recommendations to CITY. Notify the CITY's Representative of any changes or alterations believed to be in the CITY'S best interest.

Task 445 Records

- A. Maintain orderly files for correspondence, reports of job conferences, Shop Drawings and samples submissions, reproductions of original Contract Documents including all Addenda, Allowance Requests, Field Orders, additional Drawings issued subsequent to the execution of the Contract, CONSULTANT's clarifications and interpretations of the Contract Documents, progress reports and other Project related documents.
- B. Prepare observation reports recording CMAR and Subcontractors work performed on the job site, major construction equipment on-site, conditions, data relative to questions of extras or deductions, list of visiting officials and representatives of manufacturers, fabricators, suppliers and distributors, daily activities, decisions, on-site equipment, Subcontractors on-site, observations in general and specific observations in detail as in the case of observing test procedures.
- C. Record names, addresses and telephone numbers of the CMAR, subcontractors and major suppliers of materials and equipment.
- D. Maintain notes to be capable of cross-referencing the CMAR's record drawing information

for accuracy and completeness.

- E. Receive, review and process testing reports.
- F. The CONSULTANT will maintain a weekly digital photo file of the progress of the construction activities throughout the duration of the project as required to capture key aspects of the CMAR's work. This photo file will consist of color digital photographs taken to document specific construction activities that may be of value to future modifications to the facility. The photographs will be labeled as to the subject and date of the photo and the photos will be kept in file folders, which have been formatted to represent the specific construction area of the project.
- G. The CONSULTANT will inspect the CMAR's marked up record drawings weekly, to determine if the mark-ups are up to date and reflect the record condition of the Work. If deficiencies are evident, CONSULTANT will provide written notification of said deficiencies to CMAR and will recommend to the CITY the withholding of appropriate payments to the CMAR.

Task 450 Reports

- A. The CONSULTANT shall furnish the CITY a Job Status Report shall identify the following items:
 - 1. Important dates
 - 2. Specific project issues
 - 3. Identify pending meetings and their topics
- B. CONSULTANT shall consult with CITY in advance of scheduled major tests, inspections or start of important phases of the work.
- C. CONSULTANT shall report immediately to CITY upon the occurrence of any accident.

Task 455 Payment Application

Review applications for payment as described in Task 250 with CMAR for compliance with the established procedure for their submission and forward them with recommendations to CITY, noting particularly their relation to the Schedule of Values, work completed, and materials and equipment delivered at the site but not incorporated in the work.

Task 460 Certificates, Maintenance and Operation Manuals

During the course of the work, review and determine that certificates, Operation and Maintenance Manuals and other data required to be assembled and furnished by CMAR are applicable to the items actually installed; and deliver this material to CITY following CONSULTANT's review prior to final acceptance of the work. The CMAR will develop, with assistance from the CONSULTANT and CITY, an indexing and volume identification system for all Operation and

Maintenance Manuals.

Task 465 Substantial Completion and Final Acceptance

- A. Before CONSULTANT issues a Certificate of Substantial Completion, submit to CMAR a list of observed items requiring completion or correction in accordance with the requirements of the Contract Documents.
- B. After the CMAR has completed the work and upon request of the CMAR, the CONSULTANT shall conduct final inspection in the company of CITY and CMAR. Prepare a final list of items to be completed or corrected in accordance with the requirements of the Construction Documents.
- C. After the CMAR has completed the work and upon written notice from the CMAR, review and determine that items on final list have been completed or corrected and make recommendations to CITY concerning acceptance.

SECTION 500 - SPECIAL SERVICES

Task 510 Warranty

The CONSULTANT will provide services after completion of the Construction Phase, such as inspections during the 24-month guarantee/warranty period, reporting observed discrepancies under guarantees called for in the Contract Documents, and provide assistance for resolution of defects to be corrected under warranty.

Task 520 Electronic Operations and Maintenance Manuals (EOMM)

Under this Scope of Services, the CONSULTANT will update existing West Area Water Reclamation Facility Electronic Operations and Maintenance Manuals (EOMM) content to reflect modifications to existing facilities.

The existing EOMM chapters to be updated include:

- 1. Preliminary Treatment
- 2. Support Systems
- 3. Electrical Distribution and Power Supply

Each chapter for the major systems will consist of the following sections:

- Background
- Theory
- Operating Strategies
- Equipment & Control Description
- Procedures
- Design Criteria
- Troubleshooting
- Safety
- Alarms
- Figures

The West Area Water Reclamation Facility EOMM will cover other operational basics: design criteria, intended operation of the processes, start-up, shutdown, monitoring and troubleshooting procedures; alternate operations modes; and special process safety considerations. Standard monitoring procedures will be included to cover required monitoring for odor control effluent quality. These procedures will be field verified by the CONSULTANT with assistance from the Plant Staff.

The West Area Water Reclamation Facility EOMM will be developed for integration with the CITY's existing Lucity asset management database, per CITY requirements. The CONSULTANT will assist the CITY in developing methods to link information associated with the EOMM to the Lucity asset management database. The CITY will provide the asset management database requirements at the project kickoff meeting.

Up to two (2) workshops will be held with the CITY prior to content development activities to provide an overview of the content to be developed, to identify key CITY staff to review draft chapters, and to establish a review schedule. The CITY will be provided with interim deliverables of completed EOMM sections as the construction of major areas of the plant are completed. As each chapter is completed, the CONSULTANT will submit draft chapters to the City for their review and comment over a two-week period. The CITY will provide comments to the CONSULTANT for the CONSULTANT to incorporate into the final documents. The interim deliverables will be installed and operational on the CITY's server prior to start-up of these facilities. A schedule for the interim deliverables will be provided to the CITY at the start of the project.

Before submitting the final version of the EOMM and transferring to the CITY, the CONSULTANT will conduct a detailed final validation and field verification process. Through this critical quality control activity, the CONSULTANT will verify that:

1. Content has been field-verified and checked at the installation.
2. All photographs are current and are reflective of well-maintained and clean conditions.
3. All relevant documentation, such as scanned documents, figures and drawings are appropriately categorized for insertion into the database.
4. SOPs are accurate and reflect actual as-operated conditions.

The CONSULTANT will also assist in the installation and configuration of the EOMM on the CITY's server and conform to CITY standards for Lucity developed during the content development workshops.

Task 530 Training

The CONSULTANT shall review the CMAR's training plan and instruction materials for compliance with contract documents. The CMAR or manufacturer training presentations shall be scheduled and coordinated with CITY personnel and facility operation. CONSULTANT shall provide instruction to CITY personnel on the project objectives, design intent, and system operational procedures.

Specific training services shall consist of the following:

A. CMAR's and Manufacturer's training.

1. CONSULTANT shall coordinate and monitor the CMAR's and Manufacturer's training of the CITY'S personnel.
 - a. Discuss the preliminary course and lesson plan development with the CMAR and the manufacturer. One meeting shall be held with CITY'S Staff and the CMAR for this discussion.
 - b. Review and approve lesson plans and course materials.
 - c. Liaison between CITY and CMAR.
 - d. Monitor Training Sessions.
 - 1) Monitor attendance
 - 2) Evaluate course
 - 3) Assist classroom discussions

Task 540 Commissioning

The CONSULTANT shall assist the CITY with during commissioning of the facilities. (Commissioning is defined as the process in which the newly constructed facilities are placed into routine operation.) The commissioning process will include the CMAR's planned, systematic approach to verify that facility systems operate as intended and there is an orderly transition from construction through start-up to routine operation. The CONSULTANT shall witness CMAR equipment testing and performance testing; review CMAR's start-up planning, systems start-up, operation and troubleshooting; and monitor CMAR's transition support to CITY operations to ensure a properly operating and performing system at the completion of the commissioning process.

The Commissioning process progresses along three general phases, as follows:

1. Phase I - Equipment Testing and Systems Performance Testing
2. Phase II - Start-up and Transition Planning
3. Phase III - Start-up, Initial Operation and Transition of Major Systems by CMAR to CITY

The following equipment will be commissioned, once they are substantially completed by the CMAR:

1. Process Control Slide Gates
2. Primary Sedimentation Basin Mechanical Elements
3. Progressive Cavity Sludge Pumps
4. Inline Grinders
5. Sump Pumps

Once all newly constructed facilities are substantially completed by the CMAR, completed facilities be commissioned by CMAR to demonstrate that the facility meets the design treatment

capacity and effluent quality parameters established by the CONSULTANT during detailed design development.

The CONSULTANT shall provide operations and technical assistance during the commissioning process under the overall direction of the CITY. The CONSULTANT will act as the CITY's agent during the commissioning process under the direct guidance of CITY operations staff. The CMAR will be responsible for all equipment and systems maintenance during the commissioning process. The CITY shall assume full responsibility for compliance with all permits and other regulatory and policy requirements during the commissioning process. The CITY will provide all analytical testing and process chemicals.

Phase I - Equipment Testing and Systems Performance Testing

The CONSULTANT shall witness equipment testing and performance testing by the CMAR for each system listed above. The CONSULTANT shall:

- A. Observe and develop a detailed understanding of the operating characteristics of the equipment and systems.
- B. Verify the testing process is conducted in accordance with intended operating practices during Commissioning.
- C. Identify if specific operating and monitoring requirements are to be used during Start-up and initial operation.

The testing by CMAR will provide CONSULTANT and CITY with detailed understanding of system performance characteristics, operating requirements, and monitoring needs during start-up and operation under the direction of the CITY.

Phase II - Start-up and Transition Planning

The CMAR, shall prepare a detailed start-up and transition plan to facilitate smooth and orderly placing of new facilities into service through their initial operation and successful transition to the CITY. The start-up and transition plan shall be developed with assistance from CONSULTANT and CITY staff. The start-up and transition plan shall include prestart-up checklists and required conditions; identification of impacts to other processes; analytical testing and sampling requirements, start-up procedures; health and safety equipment requirements; monitoring equipment requirements; roles and responsibilities and staffing requirements of CITY and the CMAR. The start-up and transition plan shall also include training requirements, and an estimated timeline of the start-up, initial operation, and transition process.

Phase III - Start-Up, Initial Operation and Transition of Major Systems

The purpose of Phase III is for CMAR's start-up of new facilities and verification of their successful function in manual and computer-control modes. Phase III will consist of the following activities:

- A. The CONSULTANT shall observe and verify that each process and its associated mechanical and control elements operates as specified under actual operating conditions. The CONSULTANT shall document the results of the commissioning process and issue a summary report to the CITY.
- B. The CONSULTANT shall provide input to the CMAR who is responsible for equipment maintenance and repair and instrument calibration during the commissioning. The CONSULTANT shall document its concerns and promptly notify the CMAR of all warranty issues.
- C. The CONSULTANT shall advise CITY operations staff as-needed on established procedures and monitoring requirements on new facilities.
- D. Major system commissioning durations shall be as identified in Table 540-1

Table 540-1 Phase III Commissioning Durations

System	Duration ¹
Process Control Slide Gates	14 days
Primary Sedimentation Basin Mechanical Elements	14 days
Progressive Cavity Sludge Pumps	14 days
Inline Grinders	14 days
Sump Pumps	14 days

1. Duration of System commissioning based on a combined 14-day period and assumes all Systems will be operational at the same time.

Task 550 Record Documents

- A. The CONSULTANT shall prepare Record Drawings for this Project. The Record Drawings shall be prepared as follows:
 - 1. CONSULTANT shall coordinate with the CMAR to obtain CMAR’s record construction work, including reviewing CMAR red-lined drawings, and incorporating project changes made through the progress of the work, on the Record Drawings. CONSULTANT shall make the revisions to the drawings electronically.
- B. The CONSULTANT shall utilize the Record Drawings to assist the CITY in receiving County Approvals of Construction.
- C. At the completion of the project, the CONSULTANT shall prepare two (2) flash drives with AutoCAD files and one (1) full size blackline copy and three (3) 11 x 17 copies of the Record Drawings will also be provided. The record specifications shall be conformed to reflect shop drawing submittals, substitutions, clarifications and change orders. One (1) hard copy and one (1) flash drive of record specifications will be prepared by the CONSULTANT and delivered

to the CITY within 45 days from the end of the commissioning period.

Task 560 Additional GMP 2A Services

The CONSULTANT will perform the following services as determined by the CITY as part of GMP 2A:

A. HVAC Control System Network Upgrade:

1. CONSULTANT will perform design services to upgrade the heating, ventilation, and air conditioning (HVAC) controls network. The existing controls network will be upgraded with fiber optic network. The primary goal of this project is to design an upgrade of the existing HVAC controls network with modern equipment, software, and controls.
2. CONSULTANT will provide an HVAC equipment assessment summary (from prior scoping site visit) in the form of a technical memorandum. CONSULTANT will highlight major findings, identify areas of concern, and provide recommendations for equipment replacement by the CITY. The technical memorandum will be provided electronically to the CITY in PDF format.
3. CONSULTANT will prepare specifications for HVAC controls network upgrades design. The scope and budget for this subtask is also based upon the following assumptions:
 - a. Technical specifications will be prepared in accordance with Construction Specifications Institute (CSI) 48-Division organization (MasterFormat 2014 Update). In addition, City front-end contract documents will be utilized.
 - b. Scope of work includes developing technical specifications that provide:
 - i. Detailed summary of the work scope elements for control system upgrades.
 - ii. Building control system replacement requirements.
 - iii. Laboratory control system replacement requirements.
 - iv. Hydronic control valve replacement requirements.
 - v. Laboratory air valve replacement requirements.
 - vi. Control sensor replacement requirements.
 - vii. Wiring and conduit replacement requirements between controllers and field devices.
 - c. Existing Malcolm Pirnie/Arcadis contract drawings for the facility & cooling tower designs, along with existing control submittals, will be scanned and included as attachments to supplement the written specification requirements as necessary to convey the design intent to the CMAR. No new drawings will be provided.
 - d. CITY has replaced or will replace existing HVAC equipment (air handling units, evaporative coolers, fans, etc.) with similar compatible equipment, controls, and control interface approach. Please note that based on feedback during our scoping site visit, plant staff indicated that some equipment is no longer used as intended or has been abandoned. Therefore, control system upgrades related to this equipment may not be a direct replacement but instead may need to be modified to accept future equipment upgrades.

- e. New fiber to be pulled through existing conduits and terminated in the ATC panels.
 - f. New fiber patch box or splice can be accommodated within the existing ATC panel or a new patch panel installed at the existing ATC panel.
 - g. Existing equipment sequence of operations remains the same as originally designed.
 - h. All building permit reviews with the CITY's Development Services Department will be coordinated by the CITY Project Manager.
 - i. CMAR to provide GMP based on the 90% Design documents, CONSULTANT will not prepare a cost estimate and only provide a review of the CMAR's GMP.
 - j. Specifications to be prepared using the following CITY provided design standards:
 - i. City of Glendale Building Codes and Ordinances
 - ii. City of Glendale Front-End Documents
 - k. CONSULTANT's services are limited to the design services indicated above; construction services are excluded from this scope of work.
4. CONSULTANT will provide the following at the designated design milestones:
- a. HVAC Assessment Memorandum
 - b. 90% Design: Provide Specifications and Fiber Diagram
 - c. Final Design: Approved Specifications and Fiber Diagram

B. Administration Building Photovoltaic System Evaluation:

1. CONSULTANT shall evaluate options and recommend upgrades to the roof mounted photovoltaic energy conversion system. CONSULTANT will develop options and a recommendation for the most effective energy conversion system(s).
2. CONSULTANT will conduct life cycle cost analysis for up to three solar options at the Administration/Maintenance Buildings, which will compare the latest solar technologies for powering the Administration Building and hot water systems.
3. CONSULTANT will prepare an assessment report summarizing the scope of work completed under Task B.2. A Draft report will be submitted to the CITY for comment and presented to the CITY at a progress meeting. CONSULTANT will incorporate CITY comments received and prepare Final report.

SECTION 600 - ALLOWANCES

Task 610 Additional or Extended Services

The CONSULTANT will perform additional services as determined by the CITY. An allowance of **\$75,000** has been established for this task.

Task 620 Services Involving Travel

Services involving travel shall require separate specific authorization by the CITY prior to performing the travel. Task 620 is for services requiring out-of-town travel required by the CONSULTANT to witness factory tests, visit, and inspect fabrication shops or to have experts

from the CONSULTANT'S staff visit the plant site. The CONSULTANT will prepare a written report of the results from the tests and/or inspection and submit to the CITY. An allowance of **\$3,000** has been established for this task.

Task 630 Special Paint/Coating Inspections

The CONSULTANT shall provide a SUBCONSULTANT that is ASTM and NACE certified to perform special paint/coating inspections at the Primary Sedimentation Basin, Primary Sludge Pump Station, and Electrical Building as defined in the Contract Documents. Inspections are anticipated for concrete clarifier headspace and launders, concrete masonry units, exposed process piping and odor control FRP ductwork. Inspection services will be as needed and will include: pre-construction surface evaluation; surface preparation and profiling; observation of applications; measurement of coating thickness; environmental monitoring; inspection of substrates between coats; and material sampling and testing. The CONSULTANT will review the CMAR's painting/coating schedule and have the SUBCONSULTANT onsite to observe applications and inspect any paintings or coatings performed by the CMAR. SUBCONSULTANT shall coordinate with CITY's Safety Officer prior to entering the confined space for inspection.

The SUBCONSULTANT will verify the CMAR is applying successive coats of paint within the time recommended by the manufacturer based on the ambient conditions. Based upon the recommendation of the special paint/coating SUBCONSULTANT, the CONSULTANT shall recommend acceptance or rejection of the paint or coating application. An allowance of **\$20,000** has been established for the special paint/coating SUBCONSULTANT.

Assumptions: The following assumption(s) were used to develop the level of effort for Task 630:

1. CMAR to perform all surface preparation work prior to surface evaluation.
2. CONSULTANT and SUBCONSULTANT to operate under the CMAR's Confined Space Entry permit.
3. CMAR to provide all Confined Space Entry equipment required to safely access work zone.

Task 640 Concrete Inspections

The CONSULTANT shall provide a SUBCONSULTANT that is a licensed structural professional engineer to perform concrete inspections on the Primary Sedimentation Basin, Primary Sludge Pump Station, and Electrical Building defined in the Contract Documents. Inspection services will be as needed and will include: a minimum of four (4) concrete inspections on the Primary Sedimentation Basin, and a minimum of two (2) concrete inspections on the Primary Sludge Pumps Station, and a minimum of one (1) concrete inspection on the Electrical Building. SUBCONSULTANT shall coordinate with CMAR's Safety Officer prior to entering the confined space for inspection. SUBCONSULTANT shall provide Special Structural Inspections as necessary for City Building Services Department.

An allowance of **\$85,000** has been established for the concrete inspection SUBCONSULTANT.

Assumptions: The following assumption(s) were used to develop the level of effort for Task 640:

1. CONSULTANT and SUBCONSULTANT to operate under the CMAR's Confined Space Entry permit.
2. CMAR to provide all Confined Space Entry equipment required to safely access work zone.

Task 650 Arc Flash Hazard Analyses

The CONSULTANT will update the Arc Flash Hazard analysis at the Primary Sedimentation Basin Project for the new equipment installed by the CMAR. An allowance of **\$15,000** has been established for the Arc Flash Hazard analyses.

CHANGE ORDER REQUESTS

The CONSULTANT has requested the following change orders:

1. GMP1 CA Services Change Order Request (reference Arcadis letter to Martin Soma dated 10/21/20) – covering additional services for the 201-day CMAR schedule extension in the amount of **\$62,150**.
2. GMP1 CA Services Change Order Request (reference Arcadis letter to Martin Soma dated 10/15/20) – covering additional services for concrete and coatings inspections in the amount of **\$46,989**.

**EXHIBIT C
Professional Services Agreement**

**WEST AREA WATER RECLAMATION FACILITY IMPROVEMENTS
Amendment 3
Project No. 141525**

**Phase III – GMP 2A WAWRF Improvements Project
Primary Sedimentation Basin Construction Administration (CA) Services**

SCHEDULE

Engineering services shall be provided in five major tasks in accordance with the approximate schedule listed below. Tasks will run concurrently, as completion times are all shown in weeks after Notice-to-Proceed.

Tasks	Approximate Completion ¹ <i>(in weeks after Notice-to-Proceed)</i>
SECTION 200: PROJECT ADMINISTRATION SERVICES DURING CONSTRUCTION	56 ²
SECTION 300: ENGINEERING SERVICES DURING CONSTRUCTION	48
SECTION 400: OBSERVATION SERVICES DURING CONSTRUCTION	52
SECTION 500: SPECIAL SERVICES	56 ²
SECTION 600: ALLOWANCES	56 ²

Notes:

1. Completion Schedule doesn't include 24-month Warranty period.
2. Completion Schedule for Sections 200, 500 and 600 account for additional time associated with Allowance Tasks.

EXHIBIT D
Professional Services Agreement

WEST AREA WATER RECLAMATION FACILITY IMPROVEMENTS
Amendment 3
Project No. 141525

Phase III – GMP 2A WAWRF Improvements Project
Primary Sedimentation Basin Construction Administration (CA) Services

COMPENSATION

METHOD AND AMOUNT OF COMPENSATION

Compensation shall be based on an hourly billing rate plus reimbursable expenses for CONSULTANT and all SUBCONSULTANTS. Documentation for reimbursable expenses must be included with each payment application.

NOT-TO-EXCEED AMOUNT

The total amount of compensation paid to Arcadis U.S., Inc., for completion of Amendment No. 3 Work, for Phase III, must not exceed \$867,323.

DETAILED PROJECT COMPENSATION

See Page D-2 for Task and Compensation Summary.

**EXHIBIT D
Professional Services Agreement**

**CITY OF GLENDALE
WEST AREA WATER RECLAMATION FACILITY IMPROVEMENTS
Amendment 3
Project No. 141525**

**Phase III – GMP 2A WAWRF Improvements Project
Primary Sedimentation Basin Construction Administration (CA) Services**

Description / Task	Compensation
TASK 200 – PROJECT ADMINISTRATION SERVICES DURING CONSTRUCTION	
Task 210 Representation on Behalf of the City	\$80,940
Task 215 Administer the Construction Schedule	\$6,910
Task 220 Perform Site Visits	\$9,900
Task 230 Review Shop Drawings and Test Results	\$45,000
Task 240 Issue Interpretations and Clarifications	\$16,850
Task 245 Review Requests for Alterations	\$10,510
Task 250 Certify Progress Payments	\$5,980
Task 260 Substantial Completion and Final Acceptance Inspection	\$7,488
TASK 300 – ENGINEERING SERVICES DURING CONSTRUCTION	
Task 310 Surveying	\$2,680
Task 320 Changes	\$27,776
Task 330 Material Testing	\$14,800
TASK 400 – OBSERVATION SERVICES DURING CONSTRUCTION	
Task 400 Observation Services	\$115,440
TASK 500 – SPECIAL SERVICES	
Task 510 Warranty	\$4,980
Task 520 Electronic Operations and Maintenance Manuals (EOMM)	\$31,800
Task 530 Training	\$11,540
Task 540 Commissioning	\$34,110
Task 550 Record Documents	\$20,000
Task 560 Additional GMP2A Services	\$113,480
<i>Subtotal Phase III GMP 2A – Primary Sedimentation Basin Construction Administration Services without Section 600 – Allowance Tasks</i>	\$560,184
TASK 600 – ALLOWANCES	
Task 610 Additional or Extended Services	\$75,000
Task 620 Services Involving Travel	\$3,000
Task 630 Special Paint/Coating Inspections	\$20,000
Task 640 Concrete Inspections	\$85,000
Task 650 Arc Flash Hazard Analyses	\$15,000
<i>Subtotal – Section 600 Allowance Tasks</i>	\$198,000
Phase III GMP 2A Subtotal with Section 600 – Allowance Tasks	\$758,184
GMP1 CA SERVICES CHANGE ORDER REQUESTS	
<i>GMP1 CA Services Change Order Requests</i>	\$109,139
GRAND TOTAL	
TOTAL PROFESSIONAL SERVICES FEE	\$867,323