

**AGREEMENT FOR ENGINEERING SERVICES**  
**CLARK COUNTY WATER RECLAMATION DISTRICT**  
**AND**  
**CA GROUP, INC.**

THIS AGREEMENT is made and entered into this \_\_\_\_ day of July, 2025, by and between CLARK COUNTY WATER RECLAMATION DISTRICT (hereinafter referred to as "OWNER"), and CA GROUP, INC., (hereinafter referred to as "ENGINEER"), for PROJECT NO. 25101 - COLLECTION SYSTEM REHABILITATION PACKAGE 2, (hereinafter referred to as "PROJECT").

WITNESSETH:

WHEREAS, the ENGINEER is properly registered and qualified in accordance with the Nevada Revised Statutes and has the personnel and facilities necessary to accomplish the required work within the required time.

NOW, THEREFORE, OWNER and ENGINEER agree as follows:

**SECTION I**  
**RESPONSIBILITY OF ENGINEER**

- A. The ENGINEER shall be responsible for the professional quality, technical accuracy, timely completion, and coordination of all services furnished by the ENGINEER, its subcontractors and ENGINEERS, and other sources, officers, employees and agents, under this AGREEMENT. In performing the specified services, ENGINEER shall follow practices consistent with generally accepted professional and technical engineering standards.
- B. ENGINEER shall be responsible for assuring that all of its work and work product is technically sound and in conformance with all pertinent federal, State, and local statutes, codes, ordinances, resolutions and other regulations. ENGINEER shall not produce a design that violates or infringes on any patent rights. The ENGINEER shall without additional compensation, correct or revise any error or deficiencies in its designs, drawings, specifications, reports and other services and data or information obtained from other sources. The ENGINEER shall pay all damages, costs and expenses caused by, resulting from, or arising out of ENGINEER'S negligent performance in its design, drawings, specifications, reports, and other services. OWNER'S payment for, or permission or approval of, any products or services furnished by ENGINEER, including data or information obtained from other sources, shall not in any way relieve the ENGINEER of responsibility for the professional and technical accuracy of its work. OWNER review, approval, acceptance, or payment for any of ENGINEER'S services herein shall not be construed to operate as a waiver of any rights under this AGREEMENT or of any cause of action arising out of the performance of this AGREEMENT, and ENGINEER shall be liable in accordance with the terms of this AGREEMENT and applicable law for all damages to OWNER caused by ENGINEER'S negligent acts, errors or omissions in performance of this AGREEMENT.

- C. ENGINEER shall assign MELVIN SJOSTROM, as Project Manager to manage the COLLECTION SYSTEM REHABILITATION PACKAGE 2, PROJECT NO 25101. All services specified by this AGREEMENT shall be performed by the ENGINEER'S Project Manager, key employees and sub-ENGINEERs proposed by the ENGINEER under the personal supervision of the Project Manager. All key employees identified by the ENGINEER shall be subject to approval by OWNER'S representative. The Project Manager, the key members of the project team, as well as any sub-ENGINEERs used on the project are to be locally based in Clark County, Nevada and reside in the Clark County area for the duration of the PROJECT. Any exception to this requirement shall be subject to approval by OWNER'S representative. Should the Project Manager, or any key employee of ENGINEER be unable to complete his or her responsibility for any reason, the ENGINEER will replace him or her with a qualified person whom the OWNER'S representative reasonably finds satisfactory. If ENGINEER fails to make a required replacement within 30 days, OWNER may terminate this AGREEMENT for default.
- D. Drawings and specifications completed by the ENGINEER for OWNER become property of the OWNER. A copy of all materials, information, and documents, whether finished, unfinished obtained from other sources, or draft, that is developed, prepared, completed, or acquired by ENGINEER during the performance of services for which it has been compensated under this AGREEMENT, including without limitation detail specifications, design calculations, data, studies, surveys, reports, correspondence, memoranda, maps, models, photographs, drawings and audio or video recordings, shall be delivered to the OWNER'S representative upon completion or termination of this AGREEMENT whichever occurs first. Drawings and specifications retained by OWNER may be utilized only for its use and for occupying the project for which they were prepared, and not for construction of any other project. ENGINEER shall not be liable for damages, claims, and losses arising out of any reuse of the plans and detail specifications on any other project without the written authorization of the ENGINEER.
- E. The ENGINEER shall not produce a design or specification that would violate NRS Chapter 338.
- F. ENGINEER shall furnish OWNER'S representative copies of all correspondence to regulatory agencies for OWNER'S review and approval prior to mailing such correspondence.
- G. ENGINEER shall be responsible for obtaining data and documents from public officers or agencies and from private citizens and business firms whenever the OWNER determines that such material is necessary for the completion of the services specified by this AGREEMENT. ENGINEER will be responsible for accuracy of information or data supplied by other sources to the extent such information or data would be relied upon by a reasonably prudent professional engineer.
- H. The ENGINEER agrees that its officers and employees will cooperate with the OWNER in the performance of services under this AGREEMENT and will be available for consultation with OWNER at such reasonable times with advance notice as to not conflict with their other responsibilities.

- J. The rights and remedies of the OWNER provided for under this section are in addition to any other rights and remedies provided by law, equity, or under other sections of this AGREEMENT.
- K. In providing opinions of cost, financial analyses, economic feasibility projections, and schedules for potential projects, the ENGINEER has no control over cost or price of labor and materials; unknown or latent conditions of existing equipment or structures that may affect operation or maintenance costs; competitive bidding procedures and market conditions; time or quality of performance by third parties; quality, type, management, or direction of operating personnel; and other economic and operational factors that may materially affect the ultimate project cost or schedule. Therefore, the ENGINEER makes no warranty that the OWNER'S actual project costs, financial aspects, economic feasibility, or schedules will not vary from the ENGINEER'S opinions, analyses, projections, or estimates. The provisions of this Paragraph shall not, however, relieve ENGINEER from complying with professional standards in fulfilling the terms of the AGREEMENT, including opinions of cost, financial analyses, economic feasibility projects, schedules for potential projects, and data and information obtained from other sources.
- L. ENGINEER shall comply with the OWNER'S Safety and Security Requirements provided herein as **Exhibit G**.

## SECTION II OWNER'S RESPONSIBILITY

- A. The OWNER agrees that its officers and employees will cooperate with ENGINEER in the performance of services under this AGREEMENT and will be available for consultation with ENGINEER at such reasonable times with advance notice as to not conflict with their other responsibilities.
- B. The services performed by ENGINEER under this AGREEMENT shall be subject to review and approval by OWNER'S representative, Thomas A. Minwegen, General Manager, Clark County Water Reclamation District. OWNER'S representative may delegate any or all of his responsibilities under this AGREEMENT to appropriate staff members and shall so inform ENGINEER by written notice before the effective date of each such delegation.
- C. The services to be performed by ENGINEER under this AGREEMENT shall be subject to periodic review by OWNER'S representative. The OWNER'S representative's review comments shall be reported in writing to ENGINEER in writing. To prevent an unreasonable delay in ENGINEER'S work, the OWNER'S representative will endeavor to examine all reports, drawings, specifications, and other documents and will respond in writing to the ENGINEER within twenty-one (21) calendar days of receipt of such documents. It is understood that OWNER'S representative's review comments do not relieve ENGINEER from the responsibility for the professional and technical accuracy of all work delivered under this AGREEMENT.

- D. OWNER shall, (without charge), furnish to, or make available for examination or use by, ENGINEER (as it may request), any data that OWNER has available, including but not limited to:
1. Copies of reports, maps, plans, surveys, records, and other documents pertinent to streets, traffic, utilities, public properties, property developments and other physical features.
  2. Copies of previously prepared reports, maps, plans, specifications, surveys, records, ordinances, codes, regulations, other documents, and information related to the services specified by this AGREEMENT.

ENGINEER shall return original data provided by OWNER.

### **SECTION III SCOPE OF SERVICES**

Services to be performed by the ENGINEER shall consist of the work described in **Exhibit A** of this AGREEMENT, which is attached hereto and made part of this AGREEMENT.

### **SECTION IV CHANGES TO SCOPE OF SERVICES**

- A. The OWNER may at any time, by written order, make changes within the general scope of this AGREEMENT and in the services or work to be performed. If such changes cause an increase or decrease in the ENGINEER'S cost or time required for performance of any services under this AGREEMENT, a corresponding equitable adjustment shall be made, and to this AGREEMENT in writing. Any claim of the ENGINEER for adjustment under this clause must be asserted in writing within 30 days from the date of receipt by the ENGINEER of notification of change unless the OWNER grants a further period of time before the date of final payment under this AGREEMENT.
- B. No services for which an additional compensation will be charged by the ENGINEER shall be furnished without the written authorization of the OWNER.

### **SECTION V ADDITIONAL SERVICES OF ENGINEER**

- A. Additional Services will be provided only if authorized in writing by OWNER.
- B. The ENGINEER shall notify OWNER in advance of any additional costs that may be incurred prior to attending any meeting or public hearing that is necessary to clarify the interpretation of the work performed by ENGINEER under this AGREEMENT.

## SECTION VI COMPENSATION AND TERMS OF PAYMENT

### A. General Progress Payments:

The ENGINEER will be entitled to progress payments for services performed under Section III, Scope of Services in accordance with the completion of tasks indicated in Exhibit B, Work Breakdown Structure.

### B. Compensation and Method of Payment for Engineering Services:

1. The OWNER shall pay the ENGINEER for services in Section III, Scope of Services, **Exhibit A**, Task 1 through 9 a fee not to exceed \$2,465,244.00 (the "Task Amount").

Task 1 – Project Management (Lump Sum)

Task 2 – Planning Study (Not Used)

Task 3 – Pre-design / Basis of Design Report (Lump Sum)

Task 4 – Detailed Design (Lump Sum)

Task 5 – Bid Period Services (T & M)

Task 6 – Engineering Services during Construction (T & M)

Task 7 – Construction Field Administration (Not Used)

Task 8 – Project Commissioning (Not Used)

Task 9 – Contingency (Not Used)

Task 10 – Additional Services (T & M)

2. Payment of the Task Amount shall follow the Board of Trustees approval and be in accordance with the ENGINEER'S estimate of the percentage of project completion as approved by the OWNER'S representative. The OWNER's obligation to pay ENGINEER cannot exceed the not to exceed Task Amount. It is expressly understood that the entire work described in **Exhibit A** must be completed by ENGINEER and it shall be the ENGINEER's responsibility to ensure that hours and tasks are properly budgeted, so the entire PROJECT is completed for the said Task Amount. Payment shall be due within thirty (30) days after the date of receipt and approval by OWNER'S representative of ENGINEER's invoices describing the work performed to reach the recognized milestone.
3. The OWNER agrees to pay ENGINEER for any services described in Section V, only if the services are requested in writing by the OWNER'S representative. Payment will be in accordance with **Exhibit C**, Hourly Rate Schedule for Additional Services. An amount up to, but not exceeding \$ 238,740.00 may be authorized for services performed under Section V. Payment in accordance with this Paragraph 3 shall be in addition to the Task Amount. The total contract amount, including the Task Amount, is not to exceed \$ 2,703,984.00.

4. Simple interest at the rate ten percent per annum will be added to the unpaid balance, not including amounts withheld of each invoice pursuant to Section VI:B:9, 10, or 13. The interest period shall commence sixty (60) days after date of receipt by OWNER of an acceptable original invoice as determined by OWNER'S representative and shall terminate upon date of payment. Payments will be first credited to interest and then to principal.
5. ENGINEER'S invoices are to be sent to the location as identified in the purchase order(s) within thirty (30) calendar days of completion of work. Invoices not submitted within this time period will not be considered for payment. Payment of invoices will be made within thirty (30) calendar days, unless otherwise specified, after receipt of an accurate invoice that has been reviewed and approved by OWNER'S authorized representative. In accordance with NRS 244.250, OWNER shall not provide payment on any invoice ENGINEER submits after six (6) months from the date ENGINEER performs services or provides deliverables or milestones. All invoices must include the following information:
  - A. Company Name
  - B. Complete Address (including street, city, state, and zip code)
  - C. Company Telephone Number
  - D. Contact person
  - E. Itemized description of services rendered (including dates)
  - F. OWNER'S Purchase Order Number
  - G. Company's Tax Identification Number
  - H. Project and RFP/RFQ Number
  - I. Itemized pricing and total amount due (excluding Sales and Use Tax)
  - J. Company Invoice Number

ENGINEER is responsible to ensure that all invoices submitted for payment are in strict accordance with the price(s) offered in the AGREEMENT. If overcharges are found, OWNER may declare ENGINEER in breach of contract, terminate the AGREEMENT, and designate ENGINEER as non-responsible if responding to future requests for proposal.

6. Request for payment shall be submitted electronically on ENGINEER's company letterhead. Billings shall be submitted no later than the first day of the month, unless the first falls on a weekend or OWNER observed Holiday, then the billing shall be due on the previous business day.
7. Travel costs are not eligible for reimbursement by the OWNER and must not be included in the AGREEMENT except for travel costs associated with the performance of Additional Services as provided in Section V. The OWNER realizes that on certain complex projects, technical expertise may have to be procured from outside Clark County. In such cases, OWNER'S prior approval will be required for any corresponding

travel. The ENGINEER shall submit a request to the OWNER'S Project Manager, consisting of a brief summary of the tasks involved and the "justification of need" for such travel. In the event that the OWNER agrees to pay for any of the ENGINEER'S travel expenses directly related to this work. ENGINEER shall only receive reimbursement in the amounts that are consistent with the applicable travel guidelines established by the OWNER in the attached Contractor/ENGINEER Travel Policy (**Exhibit F**). OWNER reserves the right to reject any and all expenses it considers not directly related to the work required herein. Original receipts are required to be submitted with invoices for all transportation (airfare/bus/rail), rental car, airport parking fees, and fuel. Fuel cost is reimbursed for rental cars only. No overhead and/or profit shall be permitted.

8. The OWNER shall pay the ENGINEER not more than ninety-five (95) percent of the amount of any progress payments due under the Contract until the Engineer completes fifty (50) percent of the work required by the AGREEMENT. Thereafter, the OWNER may pay any of the remaining progress payments without withholding retainage if satisfactory progress is being made in the work.

The OWNER shall pay the ENGINEER any outstanding amount due, including retainage, if the OWNER occupies or begins use of the PROJECT or portion of the PROJECT, a notice of completion for the PROJECT or a portion of the PROJECT is recorded, or the OWNER partially occupies one or more buildings of the PROJECT.

The OWNER shall withhold from a progress payment or retainage payment an amount sufficient to pay the expenses the OWNER reasonably expects to incur as a result of the ENGINEER'S failure to comply with the project schedule or applicable building code, law, or regulation. This includes the value of any incomplete, defective, or deficient work.

**Note: To ensure payments are made for work performed and the PROJECT is properly funded, the OWNER requires ENGINEERS to submit progress billings monthly.**

9. OWNER'S representative shall subtract from any payment made to ENGINEER all damages, costs and expenses caused by, resulting from or arising out of negligent errors or deficiencies in ENGINEER'S designs, drawings, specifications, reports and other services that have not previously been paid by ENGINEER.
10. In the event that ENGINEER contemplates the use of subcontractors to perform some of the services required herein it is understood and agreed that the above-mentioned compensation includes a handling charge not to exceed five (5%) percent to reflect increased expenses to ENGINEER occasioned by utilization of such subcontracts. If such subcontractors are not utilized, or utilized to a lesser extent than originally projected, such compensation should be reduced accordingly. OWNER may require verification of all amounts paid subcontractors by ENGINEER.

11. Upon satisfactory completion by ENGINEER of the services called for under the terms of the AGREEMENT, and upon acceptance of such work by OWNER, which acceptance will not be unreasonably withheld, ENGINEER will, within sixty (60) days of OWNER'S receipt of such request, be paid the unpaid balance of any money due for such work, including the retained percentages.
12. OWNER may withhold any payment or portion thereof which is disputed until such time as the dispute is resolved without paying any interest associated with the payments withheld.

## **SECTION VII**

### **AUDIT: ACCESS TO RECORDS**

- A. The ENGINEER shall maintain books, records, documents, and any other materials directly pertinent to performance under this AGREEMENT in accordance with generally accepted accounting principles and practices consistently applied. The ENGINEER shall also maintain the financial information and data used by the ENGINEER in the preparation or support of the cost submission and a copy of the cost summary submitted to the OWNER. The OWNER, and the State of Nevada Department of Conservation, and Natural Resources, Division of Environmental Protection, or any of their duly authorized representatives, shall have access to such books, records, documents, and other materials for the purpose of inspection, audit, and copying. The ENGINEER will provide proper facilities for such access and inspection. ENGINEER will not be entitled to additional compensation due to an audit.
- B. Audits conducted pursuant to this provision shall be in accordance with generally accepted auditing standards and established procedures and guidelines of the reviewing or audit agency(ies).
- C. The ENGINEER agrees to the disclosure of all information and reports resulting from access to records pursuant to paragraphs A and B above, to any of the agencies referred to in paragraph A above, provided that the ENGINEER is afforded the opportunity for an audit entrance and exit conference and an opportunity to comment and submit any supporting documentation on the pertinent portions of the draft audit report, and further provided that the final audit report will include written comments of reasonable length, if any, of the ENGINEER.
- D. Records under paragraphs A and B above shall be maintained and made available during performance under this AGREEMENT and until three years from date of final payment for the project. In addition, those records that relate to any arbitration appeal, litigation, or the settlement of claims arising out of such performance, or costs or items to which an audit exception has been taken, shall be maintained and made available until three years after the date of resolution, litigation, claim or exception.

## SECTION VIII SUBCONTRACTS

- A. Services specified by this AGREEMENT shall not be subcontracted by the ENGINEER, except as identified in the ENGINEER'S cost proposal, without prior written approval of OWNER.
- B. Prior to considering ENGINEER'S request to subcontract, or change subcontractors, the ENGINEER shall provide a one or two-page written report to OWNER stating what talents, skills and experience the subcontractor brings to the PROJECT including past performance of subcontractor in management ability, cost control, timely performance, and thoroughness of work on projects similar to the PROJECT.
- C. Approval by OWNER of ENGINEER'S request to subcontract, or to change subcontractors, or acceptance of or payment for subcontracted work by OWNER, shall not in any way relieve ENGINEER of responsibility for the professional and technical accuracy and adequacy of the work. ENGINEER shall be and remain liable for all damages to OWNER caused by negligent performance or nonperformance of work under the AGREEMENT by ENGINEER'S subcontractor or their sub-subcontractor.
- D. ENGINEER shall not be entitled to additional compensation should OWNER approve of ENGINEER'S request to subcontract.

## SECTION IX TIME SCHEDULE

ENGINEER shall provide OWNER'S representative with the final schedule for performance of services not later than **ten (10) calendar days** after ENGINEER receives written notice to proceed from OWNER'S representative. The schedule shall set forth not more than **(742) calendar days from Notice to Proceed for Tasks 1 through 5** as a period of time which may reasonably be required to complete the services identified in **Exhibit A**, the schedule shall set forth **(1675)** calendar days from the Notice to Proceed as a period of time which may reasonably be required to complete all of the services identified in Exhibit A. The format of the schedule for performance of services shall be based on a cost-loaded, task-oriented diagram. In preparing the project schedule, the ENGINEER will provide a **twenty-one (21) calendar day** allowance for each OWNER review period. If the ENGINEER'S performance of services is delayed or the ENGINEER'S sequence of tasks is changed, ENGINEER shall notify the OWNER'S representative in writing of the reasons for the delay. The ENGINEER shall then prepare a revised schedule for performance of services and submit the revised schedule to the OWNER'S representative. The ENGINEER shall perform and complete the work according to the schedule furnished to OWNER'S representative. If the ENGINEER is delayed by conditions within his control, as determined by OWNER after consultation with the ENGINEER, OWNER shall have the right to increase the percentage withheld from monthly payments under Section VI.B of this AGREEMENT until such time as the ENGINEER has complied with the schedule requirements or presented an acceptable plan for such compliance. Such withholdings by OWNER will not require payment of interest under the provisions of Section VI.B.

## SECTION X MISCELLANEOUS PROVISIONS

### A. Suspension

OWNER may suspend performance by ENGINEER under this AGREEMENT for such period of time as OWNER, in its sole discretion, may prescribe by providing written notice to ENGINEER at least ten working days prior to the date on which OWNER wishes to suspend. Upon such suspension, OWNER shall pay ENGINEER the amount, earned until the effective date of suspension (less all previous payments, based on percentage of PROJECT completion. ENGINEER shall not perform further work under this AGREEMENT after the effective date of suspension until receipt of written notice from OWNER to resume performance. In the event the OWNER suspends performance by ENGINEER for any cause other than the error or omission of the ENGINEER, for an aggregate period in excess of thirty days, ENGINEER shall be entitled to an equitable adjustment of the compensation payable to ENGINEER under this AGREEMENT to reimburse ENGINEER for additional costs incurred by ENGINEER as a result of such suspension of performance by OWNER.

### B. Termination

1. This AGREEMENT may be terminated in whole or in part by the OWNER for its convenience; but only after the ENGINEER is given thirty (30) days written notice.
2. This AGREEMENT may be terminated in whole or in part by either party in the event of substantial failure of the other party to fulfill its obligations under this AGREEMENT through no fault of the terminating party; but only after the other party is given:
  - a. not less than ten days, written notice of intent to terminate; and
  - b. an opportunity for consultation with the terminating party prior to termination.
3. If OWNER terminates for default, the OWNER will pay ENGINEER that portion of the compensation which has been earned as of the effective date of termination except:
  - a. no amount shall be allowed for anticipated profit on performed or unperformed services or other work; and
  - b. any payment due to the ENGINEER at the time of termination may be adjusted to the extent of any additional costs incurred by the OWNER by reason of the ENGINEER'S default.
4. If ENGINEER terminates for default, or if OWNER terminates for convenience, an equitable adjustment in the compensation shall be made, which shall include a reasonable profit for services or other work performed up to the effective date of termination, less all previous payments.
5. Upon receipt of a termination notice pursuant to paragraphs 1 and 2 above, the ENGINEER shall:
  - a. promptly discontinue all terminated services (unless the notice directs otherwise); and

- b. deliver or otherwise make available to the OWNER all materials, information and documents as defined in Section I.D.
6. Upon termination pursuant to paragraphs 1 and 2 above, the OWNER may take over and complete the work itself or by agreement with another party. Any uncompleted work of the ENGINEER delivered to the OWNER due to cancellation of all or portions of the work or contract termination, which is utilized by the OWNER in any way, shall have the ENGINEER'S name and seal removed.
7. If after OWNER terminates for ENGINEER'S failure to fulfill contractual obligations, it is determined that the ENGINEER had not so failed, OWNER shall be deemed to have terminated for OWNER'S convenience. In such event, ENGINEER'S compensation shall be equitably adjusted as provided in paragraph 4 of this section.
8. The rights and remedies of the OWNER and the ENGINEER provided in this section are in addition to any other rights and remedies provided by law, at equity or under this AGREEMENT.
9. Neither party shall be considered in default in the performance of its obligations hereunder, or any of them, to the extent that performance of such obligations, or any of them, is prevented or delayed by any cause, existing or future, which is beyond the reasonable control of such party.

#### C. Covenant Against Contingent Fees

The ENGINEER warrants that no person or selling agency has been employed or retained to solicit or secure this AGREEMENT upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting ENGINEER'S bona fide permanent employees. For breach or violation of this warranty, the OWNER shall have the right to void this AGREEMENT without penalty to OWNER, or otherwise recover the full amount of such commission, percentage, brokerage, or contingent fee.

#### D. Gratuities

1. OWNER may, terminate this AGREEMENT by written notice to the ENGINEER, if after notice and hearing the OWNER determines that gratuities (in the form of entertainment, gifts, or otherwise) were offered or given by the ENGINEER (or any other agent or representative of the ENGINEER) to any officer or employee of the OWNER, with a view toward securing a contract or favorable treatment with respect to the awarding or amending, or making of any determinations with respect to the performance of, this AGREEMENT.
2. In the event this AGREEMENT is terminated as provided above in paragraph 1, the ENGINEER shall be deemed to have breached this AGREEMENT and OWNER shall be entitled:
  - a. to pursue the remedies against the ENGINEER for breach of the AGREEMENT by the ENGINEER; and
  - b. as a penalty, in addition to any other damages which it may be entitled by law, to exemplary damages in an amount (as determined by the OWNER) which shall be not

less than three nor more than ten times the costs incurred by the ENGINEER in providing any such gratuities to any such officer or employee.

3. The rights and remedies of the OWNER provided in this clause shall not be exclusive and are in addition to any other rights and remedies provided by law, at equity, or under this AGREEMENT.

#### E. Insurance

In Accordance with requirements set forth in Exhibit E, ENGINEER shall procure and maintain, at its own expense, during the entire term of this AGREEMENT, the following insurances:

1. Workers' Compensation
2. Comprehensive General Liability
3. Professional Liability Insurance
4. ENGINEER'S Comprehensive General Liability and Professional Liability insurance policies shall be endorsed to waive subrogation against OWNER, its officers, agents, servants and employees.

#### F. Indemnity

1. ENGINEER shall indemnify and hold harmless OWNER and all the officers, directors, trustees, employees, and agents of the OWNER, and each of them, from and against any liabilities, damages, losses, claims, actions or proceedings, to the extent caused by the negligence, errors, omissions, recklessness, or intentional misconduct of the ENGINEER, and ENGINEER's employees and/or agents, in the performance of this AGREEMENT. Should ENGINEER engage subcontractors approved by OWNER as provided in Section VIII, ENGINEER shall also require its subcontractor(s) to indemnify and hold harmless OWNER and the directors, trustees, employees, and agents of the OWNER and each of them, from and against any liabilities, damages, losses, claims, costs, actions, or proceedings to the extent caused by the negligence, errors, omissions, recklessness, or intentional misconduct of the subcontractor and subcontractor's employee and/or agents. If the ENGINEER and/or subcontractor is/are adjudicated to be liable by a trier of fact, the trier of fact shall award costs to be paid to the OWNER, as reimbursement for costs incurred by the OWNER in defending the action, by the ENGINEER and/or subcontractor in an amount respectfully proportionate to the liability of the ENGINEER and/or subcontractor.
2. ENGINEER further agrees to defend the OWNER and all the officers, employees and agents of the OWNER, and each of them, from and against any and all liabilities, damages, losses, claims, actions or proceedings caused by the negligence, errors, omissions, recklessness or intentional misconduct of the ENGINEER, and ENGINEER's employees and/or agents, in the performance of this CONTRACT when said liabilities, negligence, errors, omissions, recklessness or intentional misconduct are not based upon or arising out of the professional services performed under this CONTRACT.
3. ENGINEER will not be required to defend, indemnify or hold harmless the public body or the employees, officers or agents of the OWNER from any liability, damage, loss, claim, action or

proceeding caused by the negligence, errors, omissions, recklessness or intentional misconduct of the employees, officers or agents of the OWNER.

G. Fair Employment Practices

1. The Board of Trustees is committed to promoting full and equal business opportunity for all persons doing business in Clark County. ENGINEER acknowledges that OWNER has an obligation to ensure that public funds are not used to subsidize private discrimination. ENGINEER recognizes that if they or their subcontractors are found guilty by an appropriate authority of refusing to hire or do business with an individual or company due to reasons of race, color, religion, sex, sexual orientation, gender identity or gender expression, age, disability, national origin, or any other protected status, OWNER may declare ENGINEER in breach of contract, terminate contract, and designate ENGINEER as non-responsible.
2. In connection with the performance of work under this AGREEMENT, the ENGINEER agrees not to discriminate against any employee or applicant for employment because of race, creed, color, religion, national origin, sex, sexual orientation, gender identity or gender expression, age, disability, national origin, or any other protected status, including, without limitation, with regard to employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including, without limitation, apprenticeship. The ENGINEER further agrees to insert this provision in all subcontracts hereunder, except subcontracts for standard commercial supplies or raw materials.
3. Any violation of such provision by ENGINEER constitutes a material breach of contract.

H. Warranty of Legal Compliance and Lack of Conflict

In entering this AGREEMENT, the ENGINEER warrants that it presently has no direct interest and that it will not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this AGREEMENT. ENGINEER further covenants that in the performance of said services, no person having any such interest shall be employed. In all other regards, ENGINEER shall abide by and perform its duties in accordance with the ethics of the goods/services industry and all federal, state and municipal laws, regulations, ordinances, and/or certifications (collectively, "Laws") regulating the provision of this service and shall notify the OWNER prior to entering into any engagement which creates the appearance of a conflict of interest. ENGINEER agrees to defend, indemnify and hold OWNER harmless from any claim, suit, loss, cost, damage, expense (including attorney's fees) or liability by reason of ENGINEER'S violation of any contract provision or Laws, or the existence of a conflict of interest by ENGINEER. Nothing in this AGREEMENT or in any requirement under this AGREEMENT shall be construed to mean that ENGINEER should perform any work in violation of any contractual provisions and/or Laws.

I. Independent Contractor

ENGINEER expressly covenants and agrees that the ENGINEER'S employees engaged on the work hereunder are not, and shall not be treated or considered as, the servants and/or employees of the

OWNER. Neither this AGREEMENT nor ENGINEER'S performance hereunder shall constitute or create an employee/employer relationship between OWNER and ENGINEER. Neither ENGINEER, nor its employees, shall be eligible for any benefits applicable to active employees of OWNER. ENGINEER shall act solely as an independent contractor as defined by NRS 616A.255 or Nevada state law, not as an employee or agent of OWNER. ENGINEER'S authority is limited to providing/performing the Goods/Services, and ENGINEER shall have no authority, without the express written consent of OWNER, to incur any obligation or liability, or make any commitments on behalf of OWNER.

J. Third Party Benefit

This AGREEMENT is not intended and shall not be construed or deemed to be an AGREEMENT for the benefit of any third party or parties, and no third party or parties shall have a right of action hereunder for any cause, claim, or relief whatsoever.

K. Assignment

Any attempt by ENGINEER to assign or otherwise transfer any interest in this AGREEMENT without the prior written consent of the OWNER shall be void.

L. Order of Preference

In the event of any conflict, the controlling document shall be determined by the following order of precedence:

- A. This AGREEMENT
- B. Exhibit A: Scope of Services
- C. Exhibit B: Work Breakdown Structure
- D. Exhibit C: Hourly Rate Schedule (For Additional Services and Additional Reimbursable Expenses)
- E. Exhibit D: Disclosure of Ownership
- F. Exhibit E: Insurance Requirements
- G. Exhibit F: Contractor/ENGINEER Travel Policy
- H. Exhibit G: Safety and Security Requirements
- I. Exhibit H: Subcontractor Information

M. Governing Law and Venue

Nevada law shall govern the interpretation of this AGREEMENT. Any action to enforce the terms of this AGREEMENT shall be filed in the appropriate state or federal court in Nevada.

N. Disclosure of Ownership/Principals

Any ENGINEER recommended for award of a contract by the OWNER'S Board of Trustees is required to provide the information on the attached "Disclosure of Ownership/Principals" form, **Exhibit D**. Failure to fill out the subject form by the ENGINEER may be cause for rejection of Proposal.

O. Fiscal Funding Out

Owner reasonably believes that funds can be obtained sufficiently to make all payments during the term of this AGREEMENT. If OWNER does not allocate funds to continue the purchase of the

products and/or services, this AGREEMENT shall be automatically terminated when appropriated funds expire.

P. Right to Market

The CONSULTANT will not publish or sell any information from or about this AGREEMENT without the prior written consent of the OWNER. The OWNER prohibits the use of its name, and will not participate in any advertisement for ENGINEER, to represent an express or implied endorsement of the ENGINEER or its services.

Q. Notice

Any notice required to be given hereunder shall be deemed to have been given when received by the party to whom it is directed by personal service, hand delivery, U.S. mail, or electronic mail (email) at the following addresses.

**TO OWNER:**

CLARK COUNTY WATER RECLAMATION DISTRICT  
Stanley Tat, PROJECT MANAGER  
5857 EAST FLAMINGO ROAD  
LAS VEGAS, NEVADA 89122  
PHONE 702-668-8237  
EMAIL stat@cleanwaterteam.com

**TO ENGINEER:**

CA GROUP, INC.  
MELVIN SJOSTROM  
Secretary/Treasurer  
2785 South Rainbow Blvd.  
Las Vegas, NV 89146  
PHONE 702-253-2370  
EMAIL jack.sjostrom@c-agroup.com

R. Counterparts; Electronic Delivery

This AGREEMENT may be executed in counterparts, all such counterparts will constitute the same contract, and the signature of any party to any counterpart will be deemed a signature to, and may be appended to, any other counterpart. Executed copies hereof may be delivered by facsimile or e-mail and upon receipt will be deemed originals and binding upon the parties hereto, regardless of whether originals are delivered thereafter.

S. Israel Boycott Disclaimer

In accordance with NRS 332.065, by executing this Agreement, the ENGINEER certifies that it is not currently engaged in, and for the duration of the Term will not to engage in, a boycott of Israel.

T. Proprietary Information/Data Privacy and Security

1. OWNER may, from time to time, furnish ENGINEER with literature, data, or technical information that OWNER considers necessary for the ENGINEER to provide/perform the

Goods/Services pursuant to this AGREEMENT. In the event any of the furnished material is proprietary, OWNER shall so inform ENGINEER and CONSULTANT agrees not to disclose this information except as approved by OWNER in writing. ENGINEER also agrees to return or destroy all copies such materials as OWNER may request.

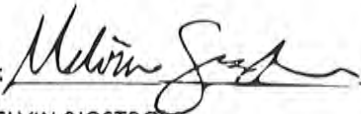
2. Nevada's data security laws (NRS Chapter 603A) require businesses to implement and maintain reasonable security measures and to encrypt Personal Information before electronically transmitting it outside of an internal secured network. "Personal Information" is a natural person's first name or first initial and last name in combination with any one or more of the following data elements: 1) social security number; 2) driver's license number or identification card number; 3) account number, credit card number or debit card number, in combination with any required security code, access code or password that would permit access to the person's financial account; 4) medical or health insurance identification number; and 5) a user name, unique identifier or email address in combination with a password or other information that would permit access to an account. Civil penalties, including money damages, may be awarded to an aggrieved party for violation of this law.
3. ENGINEER shall comply with Nevada's data security laws and with the terms and conditions set forth in this AGREEMENT in its collection, receipt, transmission, storage, disposal, use and disclosure of Personal Information transmitted to it by the OWNER.
4. At least annually, ENGINEER shall implement and maintain a written information security program including appropriate policies and procedures that are reviewed for new risk assessments.
5. ENGINEER shall implement administrative, physical and technical safeguards to protect Personal Information from unauthorized access, acquisition, disclosure, destruction, alteration, accidental loss, misuse or damage that are no less rigorous than accepted industry practices, and shall ensure that all such safeguards, including the manner in which Personal Information is collected, accessed, used, stored, processed, disposed of, and disclosed, comply with applicable data protection and privacy laws, as well as the terms and conditions of this AGREEMENT.
6. ENGINEER agrees to notify the OWNER, without unreasonable delay and in the most expedient time possible, of a security breach where unencrypted Personal Information transferred to ENGINEER by the OWNER was, or is reasonably believed to have been, acquired by an unauthorized person.

IN WITNESS WHEREOF, the parties have caused this AGREEMENT to be executed the day and year first above written.

**CLARK COUNTY WATER  
RECLAMATION DISTRICT**

**CA GROUP, INC.**

By: \_\_\_\_\_  
THOMAS A. MINWEGEN  
General Manager

By:  \_\_\_\_\_  
MELVIN SJOSTROM  
Secretary/Treasurer

APPROVED AS TO LEGALITY ONLY:

By:  \_\_\_\_\_  
DAVID J. STOFT  
General Counsel

# **EXHIBIT A**

## **SCOPE OF SERVICES**

**EXHIBIT A  
SCOPE OF SERVICES  
AGREEMENT FOR ENGINEERING SERVICES  
COLLECTION SYSTEM REHABILITATION PACKAGE 2  
PRE-DESIGN, DESIGN, BID AND SERVICES DURING CONSTRUCTION  
CLARK COUNTY WATER RECLAMATION DISTRICT  
CCWRD PROJECT NO. 25101**

## **PURPOSE OF EXHIBIT**

The purpose of this Exhibit A is to establish the Scope of Services to be provided by CA Group, Inc. (Consultant) to the Clark County Water Reclamation District (District) in connection with Project 25101 Collection System Rehabilitation Package 2. Nothing in this Exhibit is to be construed to either conflict or take precedence over the terms and conditions of the primary Agreement. All scope of service Tasks identified herein shall be performed in accordance with Exhibit A1 Scope of Services Execution Requirements Version 3 unless otherwise noted as [Not Used].

## **PROJECT BACKGROUND**

### **PROJECT HISTORY**

- With four years of Capital Improvement Project (CIP) requests in Maximo, a list was compiled for design and construction.
- Maximo work orders up through January 2020 were included in CIP Project 20104.
- Maximo work orders from February 2020 to December 2023 were split between CIP Project 22102 and CIP Project 25101. Half of these work orders will be included in CIP Project 25101, along with some work orders that were removed from CIP Project 20104.

### **NEED FOR PROJECT**

A planned rehabilitation approach is more effective than Rapid Response replacement efforts to address imminent failure of critical pipelines and manholes. Completion of this work will increase reliability, prevent potential sanitary sewer overflows (SSOs) and extend the service life of the assets.

### **PROJECT DESCRIPTION**

Rehabilitate approximately 45 gravity sewer pipeline segments and 7 manholes throughout the Las Vegas Valley Service area. Work will be completed through four primary methods for pipe segments: remove-and-replace (R&R) with new PVC pipe, spot repair using either open-cut methods or pipe repair sleeves, Cured-in-Place-Pipe (CIPP) where capacity reduction will not create a flow constraint for the drainage basin, and sag removal where eligible pipes are to have the segments responsible for restricting flow replaced with PVC. If the pipe segment or a portion of the pipe is being removed and replaced or rehabilitated using CIPP, the upstream and downstream manholes will also be replaced or rehabilitated. Additional information on manhole rehabilitation is included in Task 3.3. The Asset Rehabilitation List is included in Attachment 2.

### **PROJECT STAGING AND SEQUENCING**

The scope of work involves Pre-Design, Detailed Design, Bid Period Services, and Engineering Services During Construction (ESDC).

CCWRD Project No. 25101 – Collection System Rehabilitation Package 2

May 2025

Execution of the work will be planned and administered to minimize impacts to the community; and the District will lead public outreach and coordination to ensure that the community impacts are understood and reduced during construction.

## **SCOPE OF WORK**

The Scope of Work is divided into 10 tasks, with 4 tasks not being utilized as listed below. The different tasks parallel the stages associated with project implementation. Each task consists of a series of separate activity efforts.

- Task 1 – Project Management
- Task 2 – Planning Study [Not Used]
- Task 3 – Pre-design / Basis of Design Report
- Task 4 – Detailed Design
- Task 5 – Bid Period Services
- Task 6 – Engineering Services during Construction
- Task 7 – Construction Field Administration [Not Used]
- Task 8 – Project Commissioning [Not Used]
- Task 9 – Contingency [Not Used]
- Task 10 – Additional Services

## **Task 1. PROJECT MANAGEMENT**

Consultant shall perform the following:

### **1.1 Communications and Correspondence**

Consultant shall include the District's Project Manager and back up materials on all project related communications and correspondences. This includes external emails and letters to other public entities. All correspondence to the District, including emails, must lead with the District Assigned CIP Project Number (25101) in the subject line.

### **1.2 Meetings and Workshops**

Consultant shall facilitate the execution of the following meetings and workshops. Prior to each meeting and workshop, Consultant shall provide meeting agenda for District review. Consultant shall provide meeting minutes and all information presented to the District, no longer than 5 business days after each meeting or workshop.

#### **1.2.1 Kick-off Meeting**

Conduct a Kick-off meeting within one (1) week of Notice to Proceed (NTP). Consultant shall submit an agenda prior to the meeting to the District for District Review. It is assumed the meeting will last no more than 2 hours with up to 4 Consultant staff in attendance.

#### **1.2.2 Technical Workshops [Not Used]**

#### **1.2.3 Progress/ Status Meetings**

Conduct fifteen (15) virtual monthly progress meetings. It is assumed each meeting will last 1 hour with up to 2 Consultant staff in attendance.

Consultant shall supply exhibits, maps, and other documents to supplement project issues needing District input. Discussion of any issues without appropriate backup are to be avoided and may result in delays in project decisions, at no penalty to the District. Consultant shall provide updated Permit Matrix, schedule, and Financial Projection Cash Flow for the month, in addition to the requirements listed in Exhibit A1. Consultant shall discuss the status of Unifier submittals as part of the Agenda.

#### **1.2.4 Deliverable Review Workshops**

Consultant shall conduct review workshops for the milestones identified in the table below. It is assumed each workshop will last no more than 4 hours with up to 4 Consultant staff in attendance.

| <b>Pre-Design</b>                                   | <b>Design</b>                |
|-----------------------------------------------------|------------------------------|
| Draft basis of Design Report / 30% Design Submittal | 90 Percent Design Submittal  |
|                                                     | 100 Percent Design Submittal |

Consultant will adhere to the established District procedure and timelines for submittal reviews.

#### **1.2.5 External Coordination Meetings**

Consultant shall conduct coordination meetings with:

| Agency / Utility                    | Number of Meetings |
|-------------------------------------|--------------------|
| Las Vegas Valley Water District     | 2                  |
| Clark County Public Works           | 2                  |
| Nevada Department of Transportation | 1                  |
| Southwest Gas                       | 1                  |
| NV Energy – Distribution            | 1                  |
| NV Energy – Transmission            | 1                  |
| Cox Communication                   | 1                  |
| CenturyLink                         | 1                  |

District Project Manager or designee must be invited to attend any meetings with other entities. Meeting minutes for these meetings will conform to the requirements of subsection 1.2.3.

### **1.3 Reviews, Approvals and Permits**

Consultant is responsible for obtaining permits, permit waivers/exemptions, permit fees (reimbursed by the District from Task 10 funds), utility agency signatures, & permit amendments prior to construction. The consultant will provide copies to the District of all permit submittals and provide the tracking information. The District will provide quality control and sign permit applications as necessary. The Consultant shall review the Permit Matrix at every progress meeting and be prepared to access agency websites to display current permit status, comments, etc. The Consultant will provide copies of all permits issued, to be kept with the District's records.

Consultant shall obtain necessary permits and approvals listed in the Permit Matrix, which are anticipated to be the following:

1. Clark County Public Works Encroachment Permits
2. NDOT Right-of-Way Occupancy permits (up to 3 locations)
3. Clark County Fence and Wall Permit (up to 2 locations)
4. NDEP Groundwater Permit (up to 20 locations needing a DeMinimis Permit)

### **1.4 Project Execution Plan [Not Used]**

### **1.5 Schedule and Progress Reporting**

Consultant shall prepare and provide schedule and progress reporting. Schedules shall be prepared using Microsoft Project or Oracle P6.

### **1.6 Construction Cost Estimates**

Consultant shall prepare construction cost estimates for Predesign, Detailed Design Submittals and Bid Document Submittals. The District may elect to hire an Independent Cost Estimator. Consultant shall prepare Specification Section 00 41 05 - Bid Schedule and Section 01 20 05 - Measurement and Payment to be submitted with each phase of Design submittals. Consultant shall discuss market conditions and labor / material pricing trends and receive District input for accounting in the estimates.

## **1.7 Project Coordination**

Consultant shall perform project coordination for all activities internal to Consultant design team, including sub-consultants as well as assist the District with outside Agencies. Consultant shall maintain a project correspondence log.

Consultant must receive written approval from the District for conducting onsite visits, including its sub-consultants, at District facilities. Consultant shall give the District a minimum of 8 working days advanced notice to request an onsite visit.

Consultant shall meet with the Las Vegas Valley Water District Senior Engineer to identify protect-in-place requirements for water mains affected by new utility crossings.

## **1.8 Invoicing**

Consultant shall provide invoices in accordance with the requirements stated within the Agreement and District standards. Invoices shall include the Financial Projection Cash Flow spreadsheet.

Tasks 5, 6, and 10 will be performed on a time and materials basis, all other Tasks identified herein shall be performed on a lump sum basis.

Tasks 1 and 4 schedule of values, as identified in the Agreement, shall not exceed 90 percent of the amount paid at the time of the 90 percent design submittal. Additionally, Tasks 1 and 4 schedule of values shall not be 100 percent paid until all detailed design deliverables identified in the Agreement are completed and approved and the project is advertised for bids.

## **1.9 Quality Management**

Consultant shall provide a quality management plan.

### **1.9.1 Quality Assurance and Discipline Coordination Certificate [Not Used]**

## **1.10 Environmental Assessment Development [Not Used]**

## **1.11 Document Control**

All documents shall be submitted in accordance with District standards.

### **1.11.1 Technical Memoranda [Not Used]**

## **1.12 Risk Management**

Consultant shall prepare and maintain a project risk register.

## **Task 2. PLANNING STUDY [Not Used]**

## **Task 3. PRE-DESIGN / BASIS OF DESIGN REPORT**

Consultant shall perform pre-design and prepare the Basis of Design Report (BODR) as follows:

### **3.1 Review Reference Documents**

The District hereby notifies Consultant the As-Built drawings for District facilities and utility companies should not be relied upon for accuracy. The Consultant shall include sufficient effort in their scope to verify all pertinent information. Consultant shall review and incorporate into the design the following documents and standards:

1. District provided CCTV videos and condition assessment reports

2. District provided GIS shape file for CIP 25101 rehabilitation work
3. 5 year "No Cut" Streets / NDOT Re-paving Requirements
4. Agency / Utility Record Drawings, including the District
5. Agency Design Standards, latest edition, including addenda:
  - o Design and Construction for Wastewater Collection Systems (DCSWCS)
  - o Uniform Design and Construction Standards for Potable Water Systems (UDACS)
  - o Clark County Uniform Standard Drawings (CCAUSD)
  - o Standard Specification and Plans for Road and Bridge Construction (NDOT)
  - o Southern Nevada Water Authority Standard Plates (SNWA)
  - o NV Energy Transmission/Distribution Standards (NVE)
6. District Plan Reviews for Developer point of connections along work area.

### **3.2 Background Information and Data Collection**

Consultant shall gather the following information at project onset:

1. Survey data, field investigation, and research performed
2. RTC Regional Project Coordination Committee website: check for conflicts with outside agency and utility projects
3. Planned projects by other Agencies
4. Clark County Public Works 5 year "No Cut" streets / NDOT Re-Paving Requirements
5. Existing District Easement Documents
  - o Parcel Maps and Subdivision Plats for District Rights
  - o Up to a maximum of two (2) title reports
6. District GIS planning layer shapefile(s)
7. Existing Utility Information
8. District provided CCTV videos and Granitenet pipe reports

### **3.3 Systems Evaluation**

This contract assumes that: 30 pipe segments will need to be removed and replaced, 2 pipe segments will require either open-cut or trenchless spot repair, 8 pipe segments will be rehabilitated using CIPP lining, 5 pipe segments will need sag removal.

Consultant shall evaluate remove and replace, CIPP, spot repair and sag removal prescriptions using as-builts, CCTV, GraniteNet Reports, and Maximo Work Order descriptions, and provide recommendations for the assets identified in Attachment 2 – Rehabilitation Asset List.

Consultant shall confirm the accuracy of all data used in making their recommendations for each asset.

Additional assets not identified in Attachment 2 but directed to be incorporated by the District will be performed under Task 10.

### **3.4 Recommend Improvements**

Consultant shall propose recommended rehabilitation.

### **3.5 Basis of Design Report Outline**

- I. Executive Summary for All Areas
  - a. List of Areas Including Recommended Rehab
- II. Individual Area [Section II is to be repeated for all areas listed in the Executive Summary]
  - a. Survey Findings
    - i. Existing Topographic Features / Constructability challenges conditions
  - b. CCTV Inspection Findings
    - i. Asset Assessment
  - c. Constructability Evaluation
    - i. Construction Footprint and Access shall include:
      - 1. Groundwater dewatering if applicable
      - 2. Bypass pumping
      - 3. Right of Entry Agreement if applicable
      - 4. District easement if applicable
    - ii. Restrictions and Constraints
    - iii. Other Planned Projects
    - iv. Existing Utility Conflicts
      - 1. Proposed Relocation
  - d. Condition Assessment of Upstream and Downstream MH
  - e. Permits
    - i. Traffic Control If Needed
    - ii. Required Permits
  - f. Construction Cost and Schedule
  - g. Community Impact
    - i. Agency / Utility
    - ii. Private Business / Properties
      - 1. Restoration to private properties
  - h. Recommended Area Rehabilitation
- III. Appendix
  - a. Appendix A – Pipeline and Manhole Inventory and Recommendations
  - b. Appendix B – Groundwater Impact Evaluation / Hydrogeologic Aquifer Testing Report
  - c. Appendix C – Utility Conflict Schedule
  - d. Appendix D – Table of Additional Easements
  - e. Appendix E – Current Project Schedule
  - f. Appendix F – Opinion of Probable Cost
  - g. Appendix G - 30% Design Drawings

Section II is to be repeated in its entirety for all areas listed in the executive summary.

### **3.6 Basis of Design Report Submittals**

Consultant shall submit five (5) copies of the Draft BODR and 3 copies of the Final BODR. Deliverables include the BODR, 30% plans, outline of specifications, matrix of easements and ROW (existing and proposed/required), and permit matrix.

## **Task 4. DETAILED DESIGN**

Consultant shall perform the following:

### **4.1 Utility Location and Rights-of-Way**

Consultant shall research the above and below ground utilities within the affected areas of the project as well as determine all potential impacts from right-of-way, easements, and property information required.

Consultant shall coordinate utility reviews with utilities affected by this project;

#### **4.1.1 Easements**

Consultant shall perform the following:

##### **4.1.1.1 Research [Not Used]**

This work will be done under Task 10.

##### **4.1.1.2 Right-of-Way Field Work**

Retrace existing street Rights-of-Way, easement lines, and critical property corners for assets outside of Public Rights-of-Way or District easement rights.

##### **4.1.1.3 Legals and Exhibits [Not Used]**

##### **4.1.1.4 Appraisals [Not Used]**

#### **4.1.2 Survey Controls, Topography, and Utility Locations**

Consultant shall establish survey controls (horizontal and vertical), provide 1-foot and 5-foot contours, and utility location field surveys.

1. Ground topographic surveys shall be utilized;
2. Survey for each work area will include:
  - a. 2 - control points that include Horizontal and Vertical data for each work area;
  - b. Basis of Bearing related to the Las Vegas Valley Water District (LVVWD) Continuous Operating Reference Station (CORS) Network;
  - c. Cross sectional topographic survey from pipe alignment to back of sidewalk where improvements exist, or 25-feet on each side of sewer pipe alignment, whichever is greater. Site topographic survey shall include the following;
    - i. Capture natural and manmade planimetric features, such as sidewalks, ramps, curbs, poles, signs, medians, planters, trees, and surface utility structures and covers.

- j. Coverage of 100-feet beyond the pipe segment upstream and downstream manholes, including lateral cleanouts, except for assets identifies with "sag" in Attachment 2 – Asset List. The site topography for assets with "sag" shall include coverage of 100-feet beyond the next upstream and downstream tributary sewers.
- k. Utilize Nevada State Plane East 2701 (NAD83) coordinates and North American Vertical Datum of 1988 (NAVD88) Geoid 2018 in U.S. feet shall be reported.
- d. Manhole survey shall be performed for upstream, downstream, and tributary manholes on each asset. Survey will include rim elevation, all pipe invert in and out elevations, and manhole diameter. Photos of inside the manhole and rim and collar shall be provided for a visual condition assessment.
- e. Survey for each rehabilitation manhole not associated to a contract pipe segment shall be a single top of manhole point at the center of the lid, along with survey of all inverts. Photos of inside the manhole and rim and collar shall be provided for a visual condition assessment.

This contract assumes up to 158 manholes will be surveyed.

#### **4.1.3 Record of Survey [Not Used]**

#### **4.1.4 Subsurface Utility Engineering (SUE)**

Consultant shall provide SUE to determine utility locations and depths in area of critical concern and along pipeline alignment.

Consultant shall complete up to 88 potholes. All pothole locations are to be surveyed to obtain horizontal and vertical accuracy of  $\pm 0.1$  feet. Additional potholes shall be performed under Task 10.

### **4.2 Field Investigations**

Consultant shall provide the following field investigations:

#### **4.2.1 Geotechnical**

Provide geotechnical engineering services, in accordance with Exhibit A1;

This contract assumes up to 2 boring will be provided;

Borings shall be surveyed to obtain horizontal and vertical accuracy of  $\pm 0.1$  feet.

#### **4.2.2 Dewatering**

Provide geotechnical engineering services to measure groundwater depth and perform hydrogeologic aquifer testing. Hydrogeologic Aquifer Testing shall determine hydraulic conductivity, estimated flow rates for lowering water 3-feet below bottom of excavation, and a dewatering induced settlement impact evaluation to neighboring structures within the zone of influence; the settlement impact evaluation shall include recommendations to mitigate damage to structures and surface features.

Field investigations and testing shall comply with Exhibit A1 except for a groundwater sample shall not be split and shall be sent to one (1) lab certified by the State of Nevada.

Prepare and submit a dewatering report for planning purposes, i.e., not for construction, showing the locations of dewatering wells, header and discharge pipes, settling tank(s), and discharge location(s); the dewatering report shall include calculations confirming sufficient storage capacity in the asset(s) receiving the discharge.

This contract assumes up to 3 monitoring wells will be provided; monitoring wells shall be surveyed to obtain horizontal and vertical accuracy of + / - 0.1 feet.

Consultant shall abandon monitoring wells with District approval.

#### **4.2.3 Flow Monitoring [Not Used]**

#### **4.2.4 Closed Circuit Televising**

Conduct Closed Circuit Televising (CCTV) on gravity sewer pipelines to identify damage in pipes and confirm laterals and their locations, including position of lateral connection. CCTV shall also include sewer cleaning prior to CCTV inspection. Camera will stop and pan to look up each manhole, but CCTV of manholes is not included.

This contract assumes up to 31 gravity pipeline segments totaling approximately 6367 LF will need CCTV. CCTV gravity pipeline segments identified in Attachment 2 – Asset List. Additional CCTV, if required, will be performed under Task 10

Sewer Bypass is not included with this contract. Should bypass be required for any of the pipe segments, Task 10 will be considered.

### **4.3 Prepare Plans and Specifications**

Consultant shall prepare the following:

#### **4.3.1 Contract Documents**

Prepare plans and specifications to bid and construct facilities as recommended in the Basis of Design Report, Technical Memoranda, and as directed by the District. No design work will be left to the Contractor unless approved by the District.

Gravity pipeline drawings shall show, at a minimum, existing sewers and proposed sewers in the same profile for remove and replace scope of work. CIPP and spot repair scope of work will be shown on plan & profile drawings. Pavement replacement limits for all open cut work will be clearly show the "T-top" limits and mill & overlay limits on the Drawings.

Consultant shall provide a grid of the overall area and shall number the areas where work will be performed. For locations where only manholes are being rehabilitated, the drawings shall include a table listing location information, depth, size, and scope of work. The District will provide the consultant GIS shape files from which the consultant shall prepare exhibits to be included in the Contract Documents showing the location of the manhole to be rehabilitated.

Additional assets not identified in Attachment 2 but directed to be incorporated by the District will be performed under Task 10.

#### **4.3.2 Codes and Standards**

Prepare plans and specifications in accordance with the latest editions of the pertinent codes and regulations, as adopted by the District. Drawings will comply with the District CAD standards, latest edition.

##### **4.3.2.1 Design Compliance to Standards Certification**

Provide Design Compliance to Standards Certification.

#### **4.3.3 Format**

Prepare all document pages, including specifications and drawings, to show the District Project Number and Project Name. The District Project Number and Name shall be located in the foot note on specifications and other written documents, and under the project name in every drawing. The specific text shall read "CCWRD No. – 25101 Collection System Rehabilitation Package 2".

PDFs shall be generated from Bluebeam and will have bookmarks in accordance with Exhibit A1.

#### **4.3.4 Submittal**

Submit four half size (11" by 17") sets of progress plans and technical specifications and one full size (22" by 34" plans printed on 24" by 36" bond paper) set of plans and specifications to the District for review and comment at both the 90 percent and 100 percent complete stage of design.

Submit nine half size sets of Bid plans and specifications to the District, and one full size set of Bid plans and specifications.

Submittals are to be bound. Each Digital files in AutoCAD vector format and Microsoft Word files shall be submitted with each submittal.

Consultant shall submit an electronic copy of the draft Bid Set for District quality control review after ensuring all workshop directives were captured, all permits are included, and the bid documents are complete and in order for Bid Advertisement.

##### **4.3.4.1 NDEP Submittal**

The Consultant shall provide two full sized wet signed set of drawings and of the specification at the 90% design. This set will be submitted to NDEP by the District. Comments received from NDEP shall be forwarded to Consultant by the District. Consultant shall incorporate these comments into the 100% design.

The Consultant shall provide both a physical and digital copy of the full size wet signed set of drawings and of the specification at the 100% design. The digital copy of plans and specifications must be in PDF format. This set will be submitted to NDEP by the District.

#### **4.3.5 Specifications**

Prepare specifications in CSI 2010 format and coordinate with District Project Manager in the development of bid items.

Consultant shall make certain referenced standards and listed product / material information are current through an internal QC process. Consultant shall work with the District when preparing the bid schedule and measurement and payment.

Consultant shall utilize District's technical specifications boilerplates. Consultant shall be responsible for preparing 28 District Division 00 documents and 36 District Division 01 and Technical Specification Sections, using the District boilerplates.

#### **4.3.6 Submittal Schedule Preparation**

Provide Submittal Schedule Preparation in compliance with Exhibit A1.

#### **4.3.7 Asset Schedule Name Plate Data**

Provide completed Asset Schedule Name Plate Data spreadsheet in compliance with Exhibit A1. All proposed assets and assets to be removed/abandoned shall be included in the Asset Schedule.

Consultant shall coordinate with District Project manager when populating the spreadsheet as identified in specification section 01 31 27.

#### **4.3.8 Community Outreach Exhibits**

Provide 5 exhibits in compliance with Exhibit A1.

#### **4.3.9 Operational Philosophy [Not Used]**

## **Task 5. BID PERIOD SERVICES**

Consultant shall perform the following:

### **5.1 Distribution of Contract Documents**

Utilize electronic bid house for document distribution service. Consultant shall have complete plan approval signatures, including CCWRD signatures, prior to submitting the bid documents.

### **5.2 Response to Bid Period Questions**

Respond to questions in accordance with District standards.

### **5.3 Pre-bid Conference**

The Consultant shall create and present a PowerPoint presentation that clearly depicts the scope of work for the project. The presentation shall include engineering plans, specifications, photos, videos, etc.

### **5.4 Addenda**

Prepare addenda(s) to contract documents during bidding period.

### **5.5 Bid Opening and Review**

If requested by the District, Consultant shall evaluate the bids and provide written justification for discrepancies, along with a recommendation for award.

### **5.6 Conformed Documents**

Prepare Conformed Plans and Specifications.

### **5.7 Coordination**

Manage and coordinate Design Team to provide support during Bid Period Services.

Prepare and submit monthly invoices for Task 5 work performed in accordance with the requirements stated within the Agreement and District standards

## **Task 6. ENGINEERING SERVICES DURING CONSTRUCTION**

Consultant shall perform the following:

### **6.1 Submittal Review**

Manage, review, approve (or reject as necessary) and document / log the contractor technical submittals and/or shop drawings for compliance with the contract documents. The Consultant shall anticipate two (2) review cycles for all submittals.

It is assumed 100 submittals will be reviewed with the first submittal and 50 submittals shall be reviewed with the second submittal for a total of 150 submittal reviews. Additional submittal reviews will be done under Task 10.

Consultant shall respond within seven (7) working days of receipt.

### **6.2 Contract Documents Interpretation and Clarification**

Interpret the technical content of drawings and specifications for requests for clarification and/or deviation from the contractor assigned to the Consultant by the District. Review, document, recommend specific action, and return recommended response for all requests for information to District

The number of RFIs shall be assumed as 10 at 2 hours each.

Consultant shall respond within three (3) working days of receipt.

### **6.3 Change Order Assistance**

Prepare drawings / sketches, specifications, cost estimate for contractor change orders and assist in negotiations. It is assumed that there will be 5 Change Order requests at 50 hours total.

### **6.4 Substantial and Final Completion [Not used]**

### **6.5 Final Job Walk Audit [Not Used]**

### **6.6 Record Drawings**

#### **6.6.1 Monthly Record Drawings**

Prepare monthly record drawings.

#### **6.6.2 Final Record Documents**

Prepare final record documents.

### **6.7 Coordination**

Manage and coordinate Design Team to provide engineering support during construction.

Coordinate, prepare for and attend the following:

- 1 partnering meeting
- 1 administrative conference
- Revise permits, obtain additional permits, secure permit extensions, renew permits, and close permits upon construction completion.
- 1 preconstruction meeting
- **Up to 75** weekly progress meetings and **10** monthly site visits during construction between NTP to Substantial Completion (SC) period.
- 4 monthly progress meetings between SC and Final Completion period.

Consultant shall provide invoices for work performed during Construction in accordance with the requirements stated within the Agreement and District standards.

### **Task 7. CONSTRUCTION FIELD ADMINISTRATION [Not Used]**

### **Task 8. PROJECT COMMISSIONING [Not Used]**

### **Task 9. CONTINGENCY [Not Used]**

### **Task 10. ADDITIONAL SERVICES**

Consultant shall perform additional services only as authorized in writing by the District. Consultant shall start the activity only upon receipt of written approval from District.

Services may include but are not limited to:

1. Additional potholes, assume 10 potholes
2. Additional Dewatering Efforts, assume 1 monitoring wells.
3. Additional Field Surveys, assume 1,200 LF by 60-feet wide topographic survey with 6 manholes surveyed.
4. Additional Design Effort, assume 2 plan and profile sheets.
5. Land Research: perform supplemental research for all parcels at the Clark County Recorder's Office, Assessor's Office, and Bureau of Land Management (BLM) for District easements, rights-of-way grants and dedications, reserved rights in vacation documents, and licenses. This research shall include review of BLM patent reservations and Master Title Plats, Clark County Grantee/Grantor indexes, Assessor's information, and Morgue Maps. Assume 3 total private parcels.
6. Additional Title Reports, assume 3 title reports
7. Additional Agency/ Utility Permitting Support, assume 2 CCPW encroachment permits.
8. Additional Submittals and/ or Reviews, assume 10 total reviews.
9. Additional Request for Information (RFI) Support, assume 5.
10. Sewer Bypass for CCTV
11. Individual Groundwater Permit
12. Permit Fees

## **RESPONSIBILITIES OF THE DISTRICT**

District will provide to the Consultant the following:

### **LIST OF FILES TO BE PROVIDED TO CONSULTANT**

1. EXCEL
  - a. Stakeholders Tracker
  - b. Invoice Cover Page template
  - c. Financial Projection Cash Flow Template
  - d. Easement Matrix template
  - e. Contract Analysis Spreadsheet for Construction Portion
  - f. Board of Trustees calendar chart with due dates. This needs updating each calendar year (excel)
  - g. Asset Cost Allocation Schedule template
  - h. Construction Submittal Schedule template
  - i. Submittal Review Comment Spreadsheet
  - j. GIS Subsurface Exploration Metadata
  - k. Front End Specification Edit Tracker

- I. Permit Matrix
    - m. Traffic Impact Form
- 2. Microsoft Project
  - a. Standard Template for Project Scheduling
- 3. District Forms
  - a. Unifier External User License and Application Form
  - b. Strategic Services
    - i. Community Outreach Traffic Impact Notification Form
    - ii. Community Outreach Changes to Traffic Control Form
- 4. PDF
  - a. Nevada State Division of Water Resources
    - i. Affidavit Of Intent To Abandon A Monitoring Well – For ROW & CCWRD Easements
  - b. District P&ID Tag Naming Convention
  - c. As-Built Drawings
- 5. GIS Shapefiles

## **ATTACHMENT 1 TO EXHIBIT A, PRELIMINARY PROJECT SCHEDULE**

Preliminary Project Schedule is identified hereinafter.

## **ATTACHMENT 2 TO EXHIBIT A, REHABILITATION ASSET LIST**

The Pipe Segment and Manhole Rehabilitation Asset Lists are identified hereinafter.

## **ATTACHMENT 3 TO EXHIBIT A, PROJECT MAP**

Project Map is included hereinafter

**Task Name**

**Duration**

**Start**

**Finish**

**Predecessors**

**Task List:**

- 25101 1218 days Mon 6/2/25 Wed 1/30/30
- Design Contract Termination Date 0 days Wed 1/30/30 Wed 1/30/30
- Consultant NTP 0 days Mon 6/2/25 Mon 6/2/25
- Kiosk Modeling 1 day Mon 6/2/25 Mon 6/2/25
- Project Management 360 days Tue 7/1/25 Mon 11/16/25
- Correspondence and Communication 360 days Tue 7/1/25 Mon 11/16/25
- Scheduling and Progress Reporting 360 days Tue 7/1/25 Mon 11/16/25
- Project Coordination 360 days Tue 7/1/25 Mon 11/16/25
- Incident Management (and/or distributed to specific task) 360 days Tue 7/1/25 Mon 11/16/25
- Document Control 360 days Tue 7/1/25 Mon 11/16/25
- Risk Management 360 days Tue 7/1/25 Mon 11/16/25
- Design Services (D) 455 days Tue 7/1/25 Mon 12/28/27
- Basis of Design Report / 50% Plans 130 days Tue 7/1/25 Mon 12/28/27
- Review Reference Documents 60 days Tue 7/1/25 Mon 12/28/27
- Background Information & Data Collection (incl. Utilities) 120 days Tue 7/1/25 Mon 12/28/27
- Field Survey 60 days Tue 7/1/25 Mon 12/28/27
- Systems Evaluation 20 days Tue 7/1/25 Mon 12/28/27
- CCTV acquisition 40 days Tue 7/1/25 Mon 12/28/27
- Recommended Improvements 85 days Tue 7/1/25 Mon 12/28/27
- Basis of Design Report Outline 5 days Tue 7/1/25 Mon 12/28/27
- Basis of Design Report 40 days Tue 7/1/25 Mon 12/28/27
- 30% Plans 30 days Tue 7/1/25 Mon 12/28/27
- 30% Cost Estimate 10 days Tue 7/1/25 Mon 12/28/27
- Quality Control 15 days Tue 7/1/25 Mon 12/28/27
- 30% Review/Workshop 21 days Tue 7/1/25 Mon 12/28/27
- CHWD Review 30% Design 15 days Tue 7/1/25 Mon 12/28/27
- Consultant Address comments 30% Design 5 days Tue 7/1/25 Mon 12/28/27
- 30% Workshop 1 day Tue 7/1/25 Mon 12/28/27
- Detailed Design 325 days Tue 7/1/25 Mon 12/28/27
- Field Investigations 121 days Tue 7/1/25 Mon 12/28/27
- Utility Reviews / Coordination Meetings 80 days Tue 7/1/25 Mon 12/28/27
- Additional Survey 30 days Tue 7/1/25 Mon 12/28/27
- SH-E 30 days Tue 7/1/25 Mon 12/28/27
- Geotechnical / Dewatering Investigations 60 days Tue 7/1/25 Mon 12/28/27
- Additional CCTV 20 days Tue 7/1/25 Mon 12/28/27
- Interval 60% Plan Development 131 days Tue 7/1/25 Mon 12/28/27
- Plan Development 60 days Tue 7/1/25 Mon 12/28/27
- Permitting meetings 70 days Tue 7/1/25 Mon 12/28/27
- 50% Submittal 70 days Tue 7/1/25 Mon 12/28/27
- Present 50% Design Plans 20 days Tue 7/1/25 Mon 12/28/27
- Project Specifications 20 days Tue 7/1/25 Mon 12/28/27
- 50% Cost Estimate 15 days Tue 7/1/25 Mon 12/28/27
- QC Review 1 day Tue 7/1/25 Mon 12/28/27
- Submit 50% Design 25 days Tue 7/1/25 Mon 12/28/27
- 30% Review/Workshop 25 days Tue 7/1/25 Mon 12/28/27
- CHWD Review 30% Design 20 days Tue 7/1/25 Mon 12/28/27
- Consultant address comments 50% Design 5 days Tue 7/1/25 Mon 12/28/27
- 50% Workshop 1 day Tue 7/1/25 Mon 12/28/27
- Permitting / Outreach 60 days Tue 7/1/25 Mon 12/28/27
- Community Outreach 20 days Tue 7/1/25 Mon 12/28/27
- NDP Submittal 90 days Tue 7/1/25 Mon 12/28/27
- CCPW encroachment permits 40 days Tue 7/1/25 Mon 12/28/27
- NDOT encroachment permits 40 days Tue 7/1/25 Mon 12/28/27
- Wall/Fence permits 40 days Tue 7/1/25 Mon 12/28/27
- 100% Submittal 60 days Tue 7/1/25 Mon 12/28/27
- Prepare 100% Design Plans 50 days Tue 7/1/25 Mon 12/28/27
- Prepare Specifications 20 days Tue 7/1/25 Mon 12/28/27
- 100% Cost Estimate 5 days Tue 7/1/25 Mon 12/28/27
- QC 10 days Tue 7/1/25 Mon 12/28/27
- Submit 100% Design 1 day Tue 7/1/25 Mon 12/28/27
- 100% Review / Workshop 21 days Tue 7/1/25 Mon 12/28/27

**Legend:**

- Task
- Milestone
- Summary
- Project Summary
- Task
- Milestone
- Summary
- Project Summary
- Task
- Milestone
- Summary
- Project Summary

| ID  | Task Name                                                          | Duration | Start          | Finish                      | Predecessors |
|-----|--------------------------------------------------------------------|----------|----------------|-----------------------------|--------------|
| 62  | CCWRD Review 100% Design                                           | 15 days  | Thu 2/4/27     | Wed 2/24/27 55              |              |
| 63  | Consultant address comments 100% Design                            | 5 days   | Thu 2/25/27    | Wed 3/2/27 62               |              |
| 64  | 100% Workshop                                                      | 1 day    | Thu 3/2/27     | Thu 3/2/27 63               |              |
| 65  | Bid Documents                                                      | 17 days  | Fri 3/3/27     | Mon 3/26/27                 |              |
| 66  | Prepare Draft Bid Documents                                        | 10 days  | Fri 3/3/27     | Thu 3/18/27 61              |              |
| 67  | Bid Documents Cost Estimate                                        | 1 day    | Fri 3/19/27    | Fri 3/19/27 66              |              |
| 68  | Submit Draft Bid Documents                                         | 1 day    | Mon 3/22/27 67 | Mon 3/22/27 67              |              |
| 69  | Submit Draft Bid Documents for review to ensure comments addressed | 5 days   | Tue 3/23/27    | Mon 3/28/27 124,58          |              |
| 70  | Bid Services                                                       | 64 days  | Tue 3/23/27    | Fri 6/25/27                 |              |
| 71  | Submit Hard Copy Bid Drawings for CCWRD signatures                 | 1 day    | Tue 3/30/27    | Tue 3/30/27 65              |              |
| 72  | CCWRD Route for signatures                                         | 5 days   | Wed 3/31/27    | Tue 4/6/27 71               |              |
| 73  | Scan and prepare Upload Documents                                  | 3 days   | Fri 4/7/27     | Fri 4/9/27 72               |              |
| 74  | Submit Hard Copy Bid Drawings                                      | 8 days   | Wed 4/7/27     | Fri 4/16/27 72              |              |
| 75  | Start Bid Advertisement                                            | 1 day    | Tue 4/13/27    | Tue 4/13/27 73              |              |
| 76  | Second Advertisement                                               | 1 day    | Tue 4/20/27    | Tue 4/20/27 75              |              |
| 77  | Pre Bid Conference                                                 | 1 day    | Thu 4/22/27    | Thu 4/22/27 76              |              |
| 78  | Consultant Answers Bid Questions                                   | 5 days   | Fri 4/23/27    | Thu 4/29/27 77              |              |
| 79  | Close of Questions                                                 | 1 day    | Tue 5/4/27     | Tue 5/4/27 78FS+13 days     |              |
| 80  | Last Addendum                                                      | 1 day    | Tue 5/11/27    | Tue 5/11/27 78FS+16 days    |              |
| 81  | Last Addendum Cost Estimate                                        | 0 days   | Tue 5/11/27    | Tue 5/11/27 80              |              |
| 82  | Bid Opening                                                        | 1 day    | Thu 5/20/27    | Thu 5/20/27 80FS+5 days     |              |
| 83  | Evaluation                                                         | 20 days  | Fri 5/21/27    | Thu 6/1/27 82               |              |
| 84  | Deadline for evaluation to Purchasing                              | 1 day    | Fri 6/1/27     | Fri 6/1/27 83               |              |
| 85  | Prepare Confirmed Documents (effort 1 of 2)                        | 5 days   | Mon 6/21/27    | Fri 6/25/27 84              |              |
| 86  | Construction                                                       | 637 days | Tue 7/13/27    | Wed 12/19/29 83             |              |
| 87  | Finalize, Print and Distribute Confirmed Documents (effort 2 of 2) | 1 day    | Tue 7/13/27    | Tue 7/13/27 85              |              |
| 88  | Construction Schedule (Est - Bid-Contract)                         | 614 days | Thu 8/10/27    | Wed 12/19/29 87             |              |
| 89  | AN/P                                                               | 0 days   | Thu 8/10/27    | Thu 8/10/27 87FS+30 days    |              |
| 90  | AN/P paper work or form and docs                                   | 120 days | Thu 8/10/27    | Fri 12/10/27 90             |              |
| 91  | performance time in contract Construction                          | 0 days   | Fri 12/10/27   | Fri 12/10/27 91,104         |              |
| 92  | Actual work time for contractor                                    | 550 days | Fri 12/10/27   | Tue 6/1/29 92               |              |
| 93  | 14 day test - NA                                                   | 0 days   | Mon 4/23/29    | Mon 4/23/29 94,113          |              |
| 94  | weather days                                                       | 15 days  | Mon 4/23/29    | Tue 5/9/29 95,94            |              |
| 95  | unit price days - NA                                               | 0 days   | Tue 5/9/29     | Tue 5/9/29 95,94            |              |
| 96  | cash allowance days                                                | 48 days  | Fri 6/22/29    | Fri 6/22/29 97,94           |              |
| 97  | Substantial Completion                                             | 0 days   | Fri 6/22/29    | Fri 6/22/29 93,98,95        |              |
| 98  | 90 post op test-NA                                                 | 120 days | Fri 6/22/29    | Wed 12/19/29 100,105,99     |              |
| 99  | Closeout                                                           | 0 days   | Wed 12/19/29   | Wed 12/19/29 101,107,106,10 |              |
| 100 | Final Completion                                                   | 528 days | Fri 8/13/27    | Tue 8/21/29 87              |              |
| 101 | Consultant Effort ESDC                                             | 45 days  | Fri 9/3/27     | Thu 11/4/27 90FS+15 days    |              |
| 102 | Consultant AN/P Submittal Review                                   | 30 days  | Wed 7/11/29    | Tue 8/21/29 93FS+30 days    |              |
| 103 | Consultant final as built/closedout                                | 370 days | Mon 12/13/27   | Fri 5/11/29 92              |              |
| 104 | Consultant Monthly As Built review                                 | 370 days | Fri 8/13/27    | Thu 11/1/29 90              |              |
| 105 | Consultant Coordination                                            | 370 days | Fri 8/13/27    | Thu 11/1/29 90              |              |
| 106 | Consultant Contract Docs Interpretation and clarifcat              | 370 days | Fri 8/13/27    | Thu 11/1/29 90              |              |
| 107 | Consultant CO assistance                                           | 2 days   | Mon 6/25/29    | Tue 6/25/29 99              |              |
| 108 | Substantial Completion Assistance                                  | 2 days   | Mon 6/25/29    | Tue 6/25/29 100             |              |
| 109 | Final Completion Assistance                                        | 5 days   | Mon 6/25/29    | Fri 6/29/29 100             |              |
| 110 | Final Job Walk/Aslt                                                | 20 days  | Thu 12/19/28   | Mon 1/15/29 94FS+30 days    |              |
| 111 | Startup Plan Review and Coordination                               | 20 days  | Tue 4/24/29    | Mon 5/21/29 95              |              |
| 112 | O and M Manual NEEP or Special - edit to match con                 | 10 days  | Mon 6/25/29    | Fri 7/6/29 100              |              |
| 113 | Training Assistance during startup                                 | 10 days  | Tue 4/24/29    | Mon 5/7/29 94               |              |
| 114 | Training NEEP or Special - edit to match contract                  | 10 days  | Mon 6/25/29    | Fri 7/6/29 100              |              |
| 115 | NEEP Schedules                                                     | 7 days   | Tue 1/9/27     | Wed 2/3/27 55FF             |              |
| 116 | Submit 2 full size sets of plans and specifications                | 1 day    | Mon 6/25/29    | Mon 6/25/29 100             |              |
| 117 | Coordination Meetings-Not Scheduled TBD                            | 1 day    | Mon 6/25/29    | Mon 6/25/29 100             |              |
| 118 | Comments-Not Scheduled TBD                                         | 1 day    | Mon 6/25/29    | Mon 6/25/29 100             |              |
| 119 |                                                                    |          |                |                             |              |
| 120 |                                                                    |          |                |                             |              |
| 121 |                                                                    |          |                |                             |              |
| 122 |                                                                    |          |                |                             |              |

## Attachment 2 to Exhibit A - Pipeline Asset List

| Asset         | UPMH     | DNMH     | Pipe Length (ft) | Pipe Diameter (in) | Pipe Material | Description                  | District Recommended Rehab Type | Recent CCTV | Maximo WO | Maximo WO Description                                                                                                                                                                                                                                                   |
|---------------|----------|----------|------------------|--------------------|---------------|------------------------------|---------------------------------|-------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ARL30ARL29    | ARL30    | ARL29    | 124.55           | 8                  | PVC           | CIP - DURANGO                | Remove and Replace              | NO (2015)   | 21-1557   | Flow from ARL30ARL29 is deadheading at manhole ARL29 with other lines coming into manhole. The slope is flat on this section. This is on a 3 month cleaning                                                                                                             |
| AW12AAW12     | AW12A    | AW12     | 219              | 8                  | VCP           | CIP - FAIRBANKS AND JONES    | CIPP                            | YES (2020)  | 21-11410  | AW12AAW12 IS PARTIALLY CONCRETE ENCASED MAINLINE HAS MULTIPLE CRACKS AND IN TRAFFIC. THE SLOPE MIGHT NEED TO BE LOOKED INTO ALSO<br><br>AW12BAW12A HAS FRACTURE THROUGH OUT MOST OF THE PIPE AND THE FLOW BEING HELD UP NEAR THE DOWNSTREAM MANHOLE.                    |
|               |          |          |                  |                    |               |                              |                                 |             |           | ALSO ON WORK ORDER 312287                                                                                                                                                                                                                                               |
| 16324005AW12A | 16324005 | AW12A    | 219              | 8                  | VCP           | CIP - FAIRBANKS AND JONES    | CIPP                            | NO          | 21-11410  | AW12AAW12 IS PARTIALLY CONCRETE ENCASED MAINLINE HAS MULTIPLE CRACKS AND IN TRAFFIC. THE SLOPE MIGHT NEED TO BE LOOKED INTO ALSO<br><br>AW12BAW12A HAS FRACTURE THROUGH OUT MOST OF THE PIPE AND THE FLOW BEING HELD UP NEAR THE DOWNSTREAM MANHOLE.                    |
|               |          |          |                  |                    |               |                              |                                 |             |           | ALSO ON WORK ORDER 312287                                                                                                                                                                                                                                               |
| AW12B16324005 | AW12B    | 16324005 | 11.51            | 8                  | VCP           | CIP - FAIRBANKS AND JONES    | CIPP                            | NO          | 21-11415  | AW12AAW12 IS PARTIALLY CONCRETE ENCASED MAINLINE HAS MULTIPLE CRACKS AND IN TRAFFIC. THE SLOPE MIGHT NEED TO BE LOOKED INTO ALSO<br><br>AW12BAW12A HAS FRACTURE THROUGH OUT MOST OF THE PIPE AND THE FLOW BEING HELD UP NEAR THE DOWNSTREAM MANHOLE.                    |
|               |          |          |                  |                    |               |                              |                                 |             |           | ALSO ON WORK ORDER 312287                                                                                                                                                                                                                                               |
| CSH13CSH12    | CSH13    | CSH12    | 375              | 8                  | PVC           | CIP - CAMERON AND QUALITY    | Sag Removal                     | NO (2019)   | 313182    | THIS SECTION OF PIPE NEEDS TO BE DUG UP AND SET TO A PROPER GRADE. MAINLY THIS PIPE IS FLAT, THERE IS DIPS/SAGS HOLDING BACK FLOW TO 30% FLOW IN THE PIPE. THIS HAS BEEN A MAINTENANCE PROBLEM FOR THE COLLECTION DEPARTMENT. THE VIDEO OF THIS IS ON GISQ FOR VIEWING. |
| CYS4CYS3      | CYS4     | CYS3     | 430.11           | 21                 | AC            | CIP - ROBINDALE AND PARADISE | CIPP                            | YES (2020)  | 20-18534  | ENTIRE LINE SEGMENT IS CORRODED RCP PIPE                                                                                                                                                                                                                                |
| DEM1WT32      | DEM1     | WT32     | 217.16           | 10                 | PVC           | CIP - DECATUR AND MAULDING   | Remove and Replace              | NO (2016)   | 21-1570   | Dips and sags holding back the flow up to 60%. This is on a 3 month cleaning schedule                                                                                                                                                                                   |
| F71707-2      | F71      | 707-2    | 35               | 15                 | VCP           | CIP - TROPICANA              | CIPP                            | YES (2021)  | 21-10458  | LINE HAS MULTIPLE FRACTURES . LINE ALSO HAS 12 0" CLOCK TAP THAT IS FRACTURED .                                                                                                                                                                                         |
| F71AF71       | F71A     | F71      | 171.03           | 15                 | VCP           | CIP - TROPICANA              | CIPP                            | YES (2021)  | 21-10459  | PLACED ON CIP DUE TO SIZE, DEPTH, & LOCATION.<br>LINE SEGMENT HAS MULTIPLE FRACTURES.<br>PLACED ON CIP DUE TO SIZE, DEPTH, & LOCATION.                                                                                                                                  |

## Attachment 2 to Exhibit A - Pipeline Asset List

| Asset        | UPVH   | DNMH   | Pipe Length (ft) | Pipe Diameter (in) | Pipe Material | Description                         | District Recommended Rehab Type | Recent CCTV | Maximo WO | Maximo WO Description                                                                                                                                                                                                                                         |
|--------------|--------|--------|------------------|--------------------|---------------|-------------------------------------|---------------------------------|-------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| F72F71A      | F72    | F71A   | 220.85           | 15                 | VCP           | CIP - TROPICANA                     | CIPP                            | YES (2021)  | 21-10460  | LINE HAS MULTIPLE CRACKS AND OR FRACTURES . PLACED ON CIP DUE TO SIZE, DEPTH, & LOCATION.                                                                                                                                                                     |
| J35J25       | J35    | J25    | 350              | 8                  | VCP           | CIP - KOVAL                         | Open Cut Spot Repair            | NO (2022)   | 22-5110   | BROKE 2 FEET UP STREAM . ON KOVAL . OFFSET JOINT @ 344 FEET D/S FROM MH - J35 . MAINLINE REPAIR IS IN KOVAL. (HEAVY TRAFFIC) CIP IS RECOMMENDED                                                                                                               |
| KL51KL50     | KL51   | KL50   | 321.5            | 8                  | VCP           | CIP - POLARIS                       | Remove and Replace              | YES (2020)  | 21-1575   | KL51KL50 - Slope of the pipe does not allow for proper flow and being held back from section KL51KL50                                                                                                                                                         |
| KL52KL51     | KL52   | KL51   | 316.1            | 8                  | VCP           | CIP - POLARIS                       | Remove and Replace              | YES (2020)  | 21-1575   | THESE ARE ON A 3 MONTH CLEANING SCHEDULE<br>KL51KL50 - Slope of the pipe does not allow for proper flow<br>KL52KL51 - Slope of the pipe does not allow for proper flow and being held back from section KL51KL50                                              |
| MLC2MLC1     | MLC2   | MLC1   | 294.84           | 8                  | PVC           | CIP - ELK GROVE VALLEY AND GOMER    | Remove and Replace              | NO (2013)   | 21-1578   | THESE ARE ON A 3 MONTH CLEANING SCHEDULE<br>Dips and sags holding back the flow up to 80%.                                                                                                                                                                    |
| MP96MP94     | MP96   | MP94   | 150              | 8                  | PVC           | CIP - AUBURN LEAF AND PAINTED VISTA | Remove and Replace              | NO (2015)   | 21-1580   | THIS IS ON A 1 MONTH CLEANING SCHEDULE<br>this section has dips and sags holding back the flow up to 60%.                                                                                                                                                     |
| PCE33PCE32   | PCE33  | PCE32  | 176.81           | 8                  | PVC           | CIP - EL CAPITAN AND RED KANSAS     | Further Research Needed         | NO (2014)   | 21-1995   | This is on a cleaning schedule of 1 month<br>Flow deadheading at manhole PCE32 with other lines coming in.                                                                                                                                                    |
| PIN215PIN214 | PIN215 | PIN214 | 265              | 8                  | PVC           | CIP - YELLOW HAWK AND WIGWAM        | Sag Removal                     | NO (2013)   | 21-1996   | THIS IS ON A 3 MONTH CLEANING<br>large sag in pipe from 120' to 180                                                                                                                                                                                           |
| POL12APOL11A | POL12A | POL11A | 264              | 8                  | VCP           | CIP - POLARIS AND NAPLES            | Remove and Replace              | YES (2021)  | 21-4557   | HOLDING BACK THE FLOW TO 80% OF PIPE<br>THIS IS ON A 3 MONTH CLEANING SCHEDULE<br>APPROX. 20 FOOT SECTION OF DUCTILE PIPE STARTING AT 146 FEET DOWNSTREAM . VERY BAD SHAPE                                                                                    |
| POL78POL6A   | POL78  | POL6A  | 368              | 10                 | VCP           | CIP - POLARIS AND CAVARETTA         | Open Cut Spot Repair            | YES (2021)  | 21-4957   | PLACED ON CIP DUE TO POSSIBLE DUCTILE LINE FAILURE.<br>BAD REPAIR STARTS AT 49 FEET DOWNSTREAM AND APPROX. FOUR FEET LONG . CRACKS MULTIPLE 290 FEET APPROX. 3 FEET LONG. AND 304 FEET APPROX. 6 FEET LONG .<br>NEEDS TO BE LINED OR REPLACED IN SECTIONS.    |
| REV6REV5     | REV6   | REV5   | 160              | 8                  | PVC           | CIP - RENO                          | Remove and Replace              | NO (2012)   | 319781    | THIS SECTION OF PIPE NEEDS TO BE DUG UP AND SET TO A PROPER GRADE. MAINLY THIS PIPE IS FLAT, THERE ARE DIPS/SAGS HOLDING BACK FLOW TO 100% FLOW. THIS HAS BEEN A MAINTENANCE PROBLEM FOR THE COLLECTION DEPARTMENT. THE VIDEO OF THIS IS ON GISQ FOR VIEWING. |
| SAG18SAG17   | SAG18  | SAG17  | 123.63           | 8                  | PVC           | CIP - MONCINNA AND PRIKAPA          | Remove and Replace              | NO (2023)   | 21-3574   | FROM TERMINAL MANHOLE SAG18, GOING DOWNSTREAM FOR 18', THE LINE IS FLAT. HOLDING FLOW AT 50% OF PIPE AND EMITTING ODORS OUT OF THE MANHOLE.<br>THIS IS ON A 3 MONTH CLEANING                                                                                  |

## Attachment 2 to Exhibit A - Pipeline Asset List

| Asset        | UPWH   | DNMH   | Pipe Length (ft) | Pipe Diameter (in) | Pipe Material | Description                         | District Recommended Rehab Type | Recent CCTV | Maximo WO | Maximo WO Description                                                                                                                                                                                                                                                                                                      |
|--------------|--------|--------|------------------|--------------------|---------------|-------------------------------------|---------------------------------|-------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SIL36SIL35   | SIL36  | SIL35  | 303              | 8                  | PVC           | CIP - SUMMERFEST AND GOLDEN TRUMPET | Remove and Replace              | NO (2013)   | 21-3576   | THIS SECTION IS FLAT AND HOLDING FLOW AT 80% OF PIPE IN AREAS. THIS IS ON A 3 MONTH CLEANING                                                                                                                                                                                                                               |
| SIL48SIL47   | SIL48  | SIL47  | 253              | 8                  | PVC           | CIP - SUMMERFEST AND MOON CACTUS    | Remove and Replace              | NO (2015)   | 21-3577   | LINE STARTS TO GO FLAT 33' FROM MH SIL48, GOING DOWNSTREAM FOR 114'. HOLDING FLOW AT 50% IN AREAS. THIS SECTION IS ON A 3 MONTH CLEANING                                                                                                                                                                                   |
| SIS5SIS4     | SIS5   | SIS4   | 331.3            | 8                  | PVC           | CIP - MARYLAND AND LE BARON         | Sag Removal                     | NO (2018)   | 21-3579   | THIS SECTION STARTS TO GET FLAT AT 140' DOWNSTREAM OF MANHOLE SIS5 UNTIL IT GET TO MANHOLE SIS4. THE FLOW IS AT 100% OF PIPE IS SPOTS. THIS IS ON A 1 MONTH CLEANING                                                                                                                                                       |
| SMI1ASMI1    | SMI1A  | SMI1   | 178              | 8                  | PVC           | CIP - SPRING MOUNTAIN               | Remove and Replace              | NO (2017)   | 21-4959   | THERE IS A LARGE SAG IN THIS PIPE. IT STARTS 50' DOWNSTREAM FROM MANHOLE SMI1A AND GOING DOWN TO MANHOLE SMI1. THIS IS ON A 12 MONTH CLEANING                                                                                                                                                                              |
| SVC27SP254   | SVC27  | SP254  | 234.25           | 8                  | PVC           | CIP - SPRING VALLEY AND MANATEE     | Remove and Replace              | YES (2020)  | 312329    | THIS SECTION OF PIPE NEEDS TO BE DUG UP AND SET TO A PROPER GRADE. MAINLY THIS PIPE IS FLAT BUT, THERE IS DIPS/SAGS HOLDING BACK FLOW TO 90% FLOW IN THE PIPE. THIS HAS BEEN A MAINTENANCE PROBLEM FOR THE COLLECTION DEPARTMENT. THE VIDEO OF THIS IS ON GISQ FOR VIEWING.                                                |
| SP254SP253   | SP254  | SP253  | 272.84           | 8                  | VCP           | CIP - SPRING VALLEY AND MANATEE     | Remove and Replace              | YES (2020)  | 312329    | ZONE 9<br>THIS SECTION OF PIPE NEEDS TO BE DUG UP AND SET TO A PROPER GRADE. MAINLY THIS PIPE IS FLAT BUT, THERE IS DIPS/SAGS HOLDING BACK FLOW TO 90% FLOW IN THE PIPE. THIS HAS BEEN A MAINTENANCE PROBLEM FOR THE COLLECTION DEPARTMENT. THE VIDEO OF THIS IS ON GISQ FOR VIEWING.                                      |
| SP253SP84    | SP253  | SP84   | 153              | 8                  | VCP           | CIP - SPRING VALLEY AND MANATEE     | Remove and Replace              | YES (2020)  | 312329    | ZONE 9<br>THIS SECTION OF PIPE NEEDS TO BE DUG UP AND SET TO A PROPER GRADE. MAINLY THIS PIPE IS FLAT BUT, THERE IS DIPS/SAGS HOLDING BACK FLOW TO 90% FLOW IN THE PIPE. THIS HAS BEEN A MAINTENANCE PROBLEM FOR THE COLLECTION DEPARTMENT. THE VIDEO OF THIS IS ON GISQ FOR VIEWING.                                      |
| SPA14SPA1    | SPA1A  | SPA1   | 61               | 8                  | VCP           | CIP - HAVEN AND RICHMAR             | Remove and Replace              | NO (2019)   | 319946    | ZONE 9<br>THIS SECTION OF PIPE NEEDS TO BE DUG UP AND SET TO A PROPER GRADE. MAINLY THIS PIPE IS FLAT, THERE ARE DIPS/SAGS HOLDING BACK FLOW TO 90% FLOW. THIS HAS BEEN A MAINTENANCE PROBLEM FOR THE COLLECTION DEPARTMENT. THE VIDEO OF THIS IS ON GISQ FOR VIEWING.                                                     |
| SPA2SPA1A    | SPA2   | SPA1A  | 266.7            | 8                  | VCP           | CIP - HAVEN AND RICHMAR             | Remove and Replace              | NO (2019)   | 315070    | THE PIPE LOOKS LIKE RCP THAT IS IN BAD SHAPE. THIS SECTION OF PIPE NEEDS TO BE DUG UP AND SET TO A PROPER GRADE. MAINLY THIS PIPE IS FLAT, THERE ARE DIPS/SAGS HOLDING BACK FLOW TO 50% FLOW WITH BAD JOINTS. THIS HAS BEEN A MAINTENANCE PROBLEM FOR THE COLLECTION DEPARTMENT. THE VIDEO OF THIS IS ON GISQ FOR VIEWING. |
| SUM559SUM558 | SUM559 | SUM558 | 80               | 8                  | PVC           | CIP - CONNAUGHT                     | Remove and Replace              | NO (2012)   | 21-3617   | THIS SECTION NEEDS TO BE DUG UP AND SET TO A PROPER GRADE FROM MANHOLE TO MANHOLE THIS IS ON A 3 MONTH CLEANING                                                                                                                                                                                                            |

# Attachment 2 to Exhibit A - Pipeline Asset List

| Asset        | UPMH   | DNMH   | Pipe Length (ft) | Pipe Diameter (in) | Pipe Material | Description                    | District Recommended Rehab Type | Recent CCTV | Maximo WO | Maximo WO Description                                                                                                                                                                                                                                                                                                                                           |
|--------------|--------|--------|------------------|--------------------|---------------|--------------------------------|---------------------------------|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SUM558SUM340 | SUM558 | SUM340 | 49               | 8                  | PVC           | CIP - CONNAUGHT                | Remove and Replace              | NO (2012)   | 21-3617   | THIS SECTION NEEDS TO BE DUG UP AND SET TO A PROPER GRADE FROM MANHOLE TO MANHOLE<br>THIS IS ON A 3 MONTH CLEANING                                                                                                                                                                                                                                              |
| SVR81ASVR80  | SVR81A | SVR80  | 196.54           | 10                 | PVC           | CIP - LINDELL AND CACTUS THORN | Remove and Replace              | NO (2009)   | 21-3618   | SECTION SVR91SVR79 IS ON A 3 MONTH CLEANING BECAUSE OF THE SLOPE / CAPACITY ISSUE IN SECTIONS SVR81ASVR80 & SVR80SVR79 CAUSING SECTION SVR91SVR79 TO BE SURCHARGED.<br>SVR81ASVR80 & SVR80SVR79 ARE ON CLEANING CYCLES OF 6 - 12 MONTH CLEANING<br><br>RECOMMEND LOOKING INTO THE SLOPE / CAPACITY ISSUES WITH ALL THESE SECTIONS                               |
| SVR80SVR79   | SVR80  | SVR79  | 162              | 10                 | PVC           | CIP - LINDELL AND CACTUS THORN | Remove and Replace              | NO (2009)   | 21-3618   | SECTION SVR91SVR79 IS ON A 3 MONTH CLEANING BECAUSE OF THE SLOPE / CAPACITY ISSUE IN SECTIONS SVR81ASVR80 & SVR80SVR79 CAUSING SECTION SVR91SVR79 TO BE SURCHARGED.<br>SVR81ASVR80 & SVR80SVR79 ARE ON CLEANING CYCLES OF 6 - 12 MONTH CLEANING<br><br>RECOMMEND LOOKING INTO THE SLOPE / CAPACITY ISSUES WITH ALL THESE SECTIONS                               |
| TP255TP210   | TP255  | TP210  | 157.46           | 8                  | PVC           | CIP - REDWOOD AND BRAVURA      | Remove and Replace              | NO (2013)   | 21-3619   | SECTION TP255TP210 NEEDS TO HAVE THE SAG AT 75' TO 145' REMOVED AND SET TO A PROPER GRADE                                                                                                                                                                                                                                                                       |
| WT10WT9      | WT10   | WT9    | 351.53           | 8                  | PVC           | CIP - DURANGO AND FLAMINGO     | Sag Removal                     | NO (2016)   | 174857    | SEWER MAINLINE HAS A COLLAPSE OR OBSTRUCTION 50.9' UPSTREAM FROM MH WT9. THE OBSTRUCTION CANNOT BE CLEARED USING JET ROD AND CANNOT BE SEEN ON CCTV DUE TO THE CAMERA IS UNDER WATER. IT APPEARS THE SLOPE ON THE MAIN IS INVERTED FROM THIS POINT TO MH WT9. IT IS REQUESTED THAT ENGINEERING IMPLEMENT OR ADD THIS INTO A CURRENT OR NEAR-FUTURE CIP PROJECT. |
| WT31WT30     | WT31   | WT30   | 404.43           | 10                 | PVC           | CIP - DECATUR AND ROBINDALE    | Sag Removal                     | NO (2016)   | 21-3647   | DIPS/SAGS HOLDING BACK FLOW TO 50% FLOW IN THE PIPE<br>THIS IS ON A 3 MONTH CLEANING                                                                                                                                                                                                                                                                            |
| WYN12WYN11   | WYN12  | WYN11  | 282.8            | 8                  | VCP           | CIP - WYNN AND TWAIN           | Remove and Replace              | NO (2020)   | 312807    | THIS SECTION OF PIPE NEEDS TO BE DUG UP AND SET TO A PROPER GRADE. MAINLY THIS PIPE IS FLAT BUT, THERE IS DIPS/SAGS HOLDING BACK FLOW TO 50% FLOW IN THE PIPE. THIS HAS BEEN A MAINTENANCE PROBLEM FOR THE COLLECTION DEPARTMENT. THE VIDEO OF THIS IS ON GISQ FOR VIEWING.                                                                                     |
| WYN13WYN12   | WYN13  | WYN12  | 248.04           | 8                  | VCP           | CIP - WYNN AND TWAIN           | Remove and Replace              | NO (2020)   | 312806    | THIS SECTION OF PIPE NEEDS TO BE DUG UP AND SET TO A PROPER GRADE. MAINLY THIS PIPE IS FLAT BUT, THERE IS DIPS/SAGS HOLDING BACK FLOW TO 60% FLOW IN THE PIPE. THIS HAS BEEN A MAINTENANCE PROBLEM FOR THE COLLECTION DEPARTMENT. THE VIDEO OF THIS IS ON GISQ FOR VIEWING.                                                                                     |
| WYN16WYN13   | WYN16  | WYN13  | 172.84           | 8                  | VCP           | CIP - WYNN AND TWAIN           | Remove and Replace              | NO (2020)   | 312809    | THIS SECTION OF PIPE NEEDS TO BE DUG UP AND SET TO A PROPER GRADE. MAINLY THIS PIPE IS FLAT BUT, THERE IS DIPS/SAGS HOLDING BACK FLOW TO 50% FLOW IN THE PIPE. THIS HAS BEEN A MAINTENANCE PROBLEM FOR THE COLLECTION DEPARTMENT. THE VIDEO OF THIS IS ON GISQ FOR VIEWING.                                                                                     |

# Attachment 2 to Exhibit A - Pipeline Asset List

| Asset     | UPMH | DNMH  | Pipe Length (ft) | Pipe Diameter (in) | Pipe Material | Description                    | District Recommended Rehab Type | Recent CCTV | Maximo WO | Maximo WO Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------|------|-------|------------------|--------------------|---------------|--------------------------------|---------------------------------|-------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HIP5HIP4  | HIP5 | HIP4  | 300              | 8                  | PVC           | CIP - VALLEY VIEW AND HACIENDA | Remove and Replace              | NO (2010)   | 20-9457   | THESE MANHOLES AND MAINLINES ( HIP6HIP5A, HIP5AHIPI5 HIP5HIP4 AND HIP4HIP3 ) NEED TO BE ADDRESSED DUE TO THE SLOPE / CAPACITY OF THE PIPE. THEY ARE HOLDING BACK THE FLOW MORE THAN 60 PERCENT CAPACITY. THESE SECTIONS OF PIPE ARE ON A CLEANING SCHEDULE OF ONCE PER MONTH DUE TO THIS SLOPE / CAPACITY ISSUE.<br><br>PSTOOLS DOES REFERENCE MANHOLE HIPI5 BEING PUT IN FOR REHAB WORK BACK IN MARCH 2011, BUT DID NOT FIND ANYTHING IN MAXIMO ABOUT IT.<br><br>PUBLIC WORKS DOES HAVE A ROAD PROJECT THAT WILL BE GOING THRU THAT INTERSECTION WHERE SOME OF THESE MANHOLE AND MAINLINES ARE. |
| HIP4HIP3  | HIP4 | HIP3  | 300              | 8                  | PVC           | CIP - VALLEY VIEW AND HACIENDA | Remove and Replace              | YES (2021)  | 20-9457   | THESE MANHOLES AND MAINLINES ( HIP6HIP5A, HIP5AHIPI5 HIP5HIP4 AND HIP4HIP3 ) NEED TO BE ADDRESSED DUE TO THE SLOPE / CAPACITY OF THE PIPE. THEY ARE HOLDING BACK THE FLOW MORE THAN 60 PERCENT CAPACITY. THESE SECTIONS OF PIPE ARE ON A CLEANING SCHEDULE OF ONCE PER MONTH DUE TO THIS SLOPE / CAPACITY ISSUE.<br><br>PSTOOLS DOES REFERENCE MANHOLE HIPI5 BEING PUT IN FOR REHAB WORK BACK IN MARCH 2011, BUT DID NOT FIND ANYTHING IN MAXIMO ABOUT IT.<br><br>PUBLIC WORKS DOES HAVE A ROAD PROJECT THAT WILL BE GOING THRU THAT INTERSECTION WHERE SOME OF THESE MANHOLE AND MAINLINES ARE. |
| HIP6HIP5A | HIP6 | HIP5A | 77               | 8                  | PVC           | CIP - VALLEY VIEW AND HACIENDA | Remove and Replace              | YES (2016)  | 20-9457   | THESE MANHOLES AND MAINLINES ( HIP6HIP5A, HIP5AHIPI5 HIP5HIP4 AND HIP4HIP3 ) NEED TO BE ADDRESSED DUE TO THE SLOPE / CAPACITY OF THE PIPE. THEY ARE HOLDING BACK THE FLOW MORE THAN 60 PERCENT CAPACITY. THESE SECTIONS OF PIPE ARE ON A CLEANING SCHEDULE OF ONCE PER MONTH DUE TO THIS SLOPE / CAPACITY ISSUE.<br><br>PSTOOLS DOES REFERENCE MANHOLE HIPI5 BEING PUT IN FOR REHAB WORK BACK IN MARCH 2011, BUT DID NOT FIND ANYTHING IN MAXIMO ABOUT IT.<br><br>PUBLIC WORKS DOES HAVE A ROAD PROJECT THAT WILL BE GOING THRU THAT INTERSECTION WHERE SOME OF THESE MANHOLE AND MAINLINES ARE. |

## Attachment 2 to Exhibit A - Pipeline Asset List

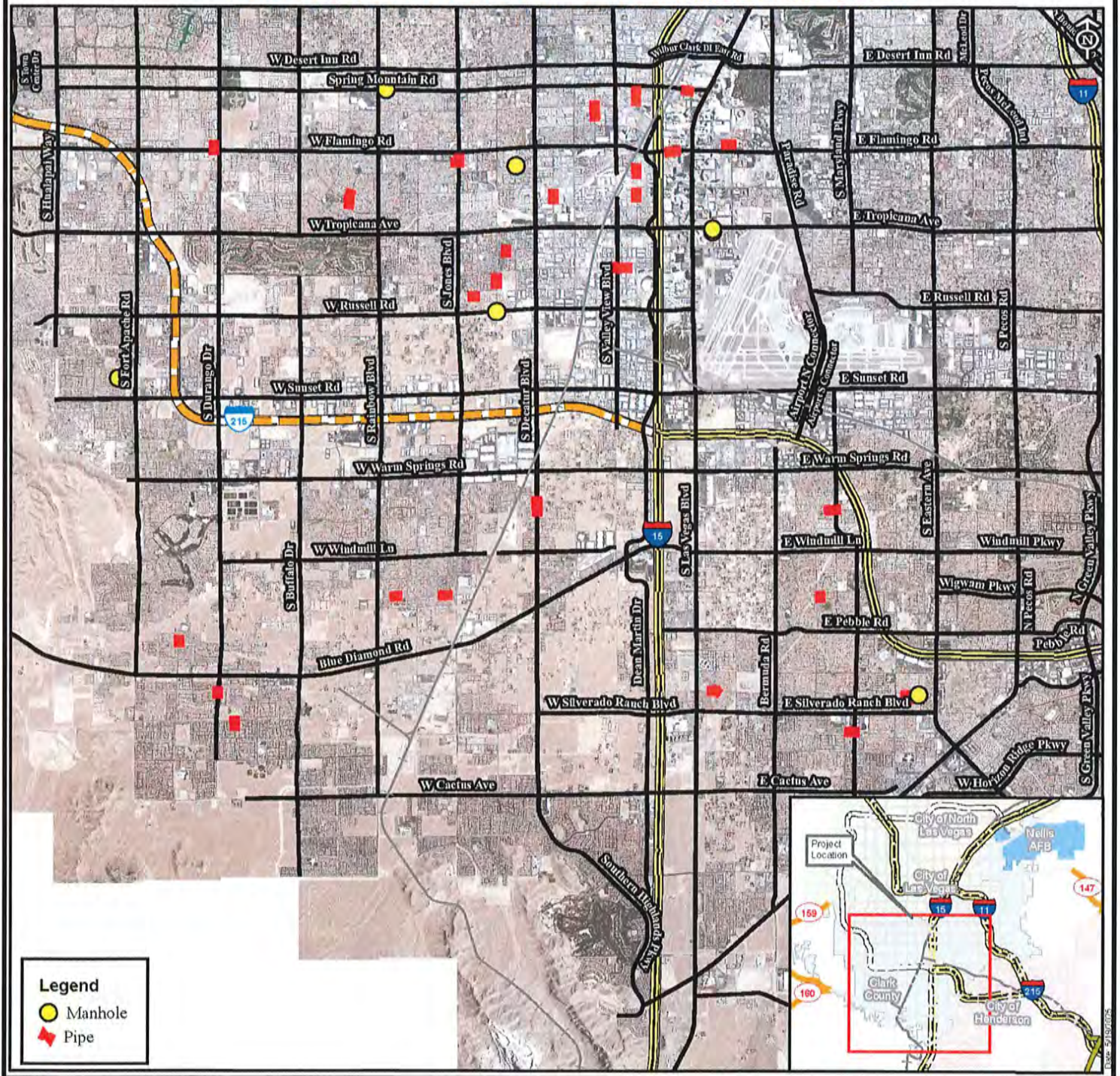
| Asset     | UPWH  | DNMH  | Pipe Length (ft) | Pipe Diameter (in) | Pipe Material | Description                     | District Recommended Rehab Type | Recent CCTV | Maximo WO | Maximo WO Description                                                                                                                                                                                                                                                                                           |
|-----------|-------|-------|------------------|--------------------|---------------|---------------------------------|---------------------------------|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HIP5AHIP5 | HIP5A | HIP5A | 25               | 8                  | PVC           | CIP - VALLEY VIEW AND HACIENDA  | Remove and Replace              | YES (2010)  | 20-9457   | THESE MANHOLES AND MAINLINES ( HIP6HIP5A, HIP5AHIP5 HIP5HIP4 AND HIP4HIP3 ) NEED TO BE ADDRESSED DUE TO THE SLOPE / CAPACITY OF THE PIPE. THEY ARE HOLDING BACK THE FLOW MORE THAN 60 PERCENT CAPACITY. THESE SECTIONS OF PIPE ARE ON A CLEANING SCHEDULE OF ONCE PER MONTH DUE TO THIS SLOPE / CAPACITY ISSUE. |
|           |       |       |                  |                    |               |                                 |                                 |             |           | PSTOOLS DOES REFERENCE MANHOLE HIP5 BEING PUT IN FOR REHAB WORK BACK IN MARCH 2011, BUT DID NOT FIND ANYTHING IN MAXIMO ABOUT IT.                                                                                                                                                                               |
|           |       |       |                  |                    |               |                                 |                                 |             |           | PUBLIC WORKS DOES HAVE A ROAD PROJECT THAT WILL BE GOING THRU THAT INTERSECTION WHERE SOME OF THESE MANHOLE AND MAINLINES ARE.                                                                                                                                                                                  |
| V06V05    | V06   | V05   | 412              | 15                 | VCP           | CIP - FLAMINGO AND I15 NB RAMPS | CIPP                            | YES (2021)  | 21-10455  | POSSIBLE CIP LINE SEGMENT HAS SIX CRACKS AND OR FRACTURES . PLACED ON CIP DUE TO SIZE, DEPTH, & LOCATION.                                                                                                                                                                                                       |

## Attachment 2 to Exhibit A - Manhole Asset List

| Asset | Construction Date | Update Date | MH Diameter (in) | Access Diameter (in) | Interior Drop (ft) | TMH Elevation (ft) | Description                             | District Recommended Rehab Type | Maximo WO |
|-------|-------------------|-------------|------------------|----------------------|--------------------|--------------------|-----------------------------------------|---------------------------------|-----------|
| F71A  | 6/5/1961          | 2/4/2013    | 60"              | 30"                  | 8.96'              | 2115.00'           | CIP - TROPICANA AND THE OYO             | Remove and Replace              | 21-10456  |
| SB17  | 6/2/1981          | 8/13/2009   |                  |                      | 6.20'              | 2270.25'           | CIP - EDMOND AND RETALBO                | Rehab and add sweep             | 21-3575   |
| SIL52 | 8/13/2009         |             |                  |                      | 7.23'              | 2186.31'           | CIP - SUMMER CYPRESS AND GOLDEN TRUMPET | Rehab and add sweep             | 21-3578   |
| SMR3  | 7/17/1978         | 8/13/2009   |                  |                      | 8.01'              | 2358.16'           | CIP - RAINBOW AND SPRING MOUNTAIN       | Remove and Replace              | 22-19815  |
| SP714 | 2/21/2003         | 8/13/2009   |                  |                      | 9.62'              | 2573.6'            | CIP - DOLLAR AND POST                   | Rehab and Reshape MH            | 21-3616   |
| F71   | 6/5/1961          | 4/4/2017    | 60"              | 30"                  | 9.18'              | 2113.5'            | CIP - TROPICANA AND THE OYO             | Remove and Replace              | 21-10457  |
| PIN5  |                   | 8/13/2009   |                  |                      | 13.26'             | 2314.8             | CIP - LINDELL AND RUSSELL               | Rehab MH                        |           |

## Attachment 3 to Exhibit A

## 25101 COLLECTION SYSTEM REHABILITATION PACKAGE 2



# **EXHIBIT B**

## **WORK BREAKDOWN STRUCTURE**

## Exhibit B

Work Breakdown Structure  
Project No. 25101 Collection System Rehabilitation Package 2

| PLANNING MILESTONES                                    | PERCENTAGE<br>OF WORK | CONSULTANT<br>AMOUNT   | SUBCONSULTANT<br>AMOUNT | 5% Markup           | Direct<br>Expenses  | Other Direct<br>Costs | TOTAL AMOUNT           |
|--------------------------------------------------------|-----------------------|------------------------|-------------------------|---------------------|---------------------|-----------------------|------------------------|
| 1 PROJECT MANAGEMENT                                   | 13%                   | \$ 332,205.00          | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ 332,205.00          |
| 2 PLANNING STUDY                                       | 0%                    | \$ -                   | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ -                   |
| 3 PRE-DESIGN / BASIS OF DESIGN REPORT                  | 13%                   | \$ 319,040.00          | \$ -                    | \$ -                | \$ 1,440.00         | \$ -                  | \$ 320,480.00          |
| 4 DETAILED DESIGN                                      | 66%                   | \$ 990,340.00          | \$ 593,332.00           | \$ 29,667.00        | \$ 15,000.00        | \$ -                  | \$ 1,628,339.00        |
| 5 BID PERIOD SERVICES                                  | 2%                    | \$ 47,540.00           | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ 47,540.00           |
| 6 ENGINEERING SERVICES DURING CONSTRUCTION             | 6%                    | \$ 136,680.00          | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ 136,680.00          |
| 6.1 Submittal Review                                   | 2%                    | \$ 54,000.00           | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ 54,000.00           |
| 6.2 Contract Document Interpretation and Clarification | 0%                    | \$ 4,400.00            | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ 4,400.00            |
| 6.3 Change Order Assistance                            | 0%                    | \$ 11,000.00           | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ 11,000.00           |
| 6.4 Substantial and Final Completion                   | 0%                    | \$ -                   | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ -                   |
| 6.5 Final Job Walk Audit                               | 0%                    | \$ -                   | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ -                   |
| 6.6 Record Drawings                                    | 0%                    | \$ -                   | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ -                   |
| 6.7 Coordination                                       | 1%                    | \$ 31,200.00           | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ 31,200.00           |
|                                                        | <b>Subtotal</b>       | <b>\$ 136,680.00</b>   | <b>\$ -</b>             | <b>\$ -</b>         | <b>\$ -</b>         | <b>\$ -</b>           | <b>\$ 136,680.00</b>   |
| 7 CONSTRUCTION FIELD ADMINISTRATION                    | 0%                    | \$ -                   | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ -                   |
| 8 PROJECT COMMISSIONING                                | 0%                    | \$ -                   | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ -                   |
| 9 CONTINGENCY                                          | 0%                    | \$ -                   | \$ -                    | \$ -                | \$ -                | \$ -                  | \$ -                   |
| 10 ADDITIONAL SERVICES                                 |                       | \$ 115,730.00          | \$ 81,438.00            | \$ 4,072.00         | \$ 25,000.00        | \$ 12,500.00          | \$ 238,740.00          |
| <b>GRAND TOTAL</b>                                     | <b>100%</b>           | <b>\$ 1,941,535.00</b> | <b>\$ 674,770.00</b>    | <b>\$ 33,739.00</b> | <b>\$ 41,440.00</b> | <b>\$ 12,500.00</b>   | <b>\$ 2,703,984.00</b> |

# **EXHIBIT C**

# **HOURLY RATE SCHEDULE**

**(Additional Services and Additional Reimbursable Expenses)**

**EXHIBIT C**  
**HOURLY RATE SCHEDULE**  
(FOR ADDITIONAL SERVICES AND ADDITIONAL REIMBURSABLE EXPENSES)  
**PROJECT NO. 25101 - COLLECTION SYSTEM REHABILITATION PACKAGE 2**

**CONSULTANT'S HOURLY RATES**

The following hourly rates are to be used as the basis for negotiation of additional services if required. These labor rates are valid for the duration of the Project and include salary costs, overhead, administration and profit.

**Consultant:**

| CLASSIFICATION                                | HOURLY RATE |
|-----------------------------------------------|-------------|
| Principal                                     | \$425       |
| Project Manager                               | \$380       |
| Quality Control Engineer / Principal Engineer | \$325       |
| Sr. Project Engineer / Environmental Lead     | \$270       |
| Project Engineer                              | \$220       |
| Senior Designer / Environmental Planner       | \$180       |
| Designer                                      | \$165       |
| Engineering Intern                            | \$140       |
| CADD Technician                               | \$130       |
| Clerical                                      | \$120       |

**SUBCONSULTANT'S HOURLY RATES**

**Subconsultant: Geotechnical & Environmental Services, Inc.**

| CLASSIFICATION           | HOURLY RATE |
|--------------------------|-------------|
| Principal Engineer       | \$275       |
| Sr. Project Engineer     | \$185       |
| Project Engineer         | \$165       |
| Project Geologist        | \$145       |
| Staff Engineer/Geologist | \$125       |
| Admin                    | \$90        |

**Subconsultant: VTN Nevada**

| CLASSIFICATION    | HOURLY RATE |
|-------------------|-------------|
| Principal PLS     | \$233       |
| 2-Man Survey Crew | \$212       |
| Survey Technician | \$133       |

**Subconsultant: KCI Technologies**

| CLASSIFICATION       | HOURLY RATE |
|----------------------|-------------|
| Vactor Truck & Crew  | \$370       |
| Project Manager      | \$230       |
| SUE Tech IV          | \$133       |
| SUE Tech III         | \$91        |
| CAD Drafter/Designer | \$114       |

**Subconsultant: Xpert Pipe Services**

| CLASSIFICATION            | HOURLY RATE |
|---------------------------|-------------|
| CCTV & Crew               | \$300       |
| Vactor combo truck & Crew | \$320       |

**ADDITIONAL SERVICES**

None authorized or anticipated as of the commencement date of this AGREEMENT. Any additional service would be required to be authorized in writing in the form of an additional document provided by the OWNER. For additional services of subconsultant(s), the OWNER shall compensate the CONSULTANT a multiple of **one point zero five (1.05)** times the amounts billed to the CONSULTANT for such services. Future written additional services authorizations may be issued by the OWNER in compliance with the above Hourly Rate Schedules.

**REIMBURSABLE EXPENSES**

None authorized or anticipated as of the commencement date of this AGREEMENT. Any additional reimbursable expense would be required to be added to the AGREEMENT in writing in the form of an additional document provided by the OWNER. For reimbursable expenses of the CONSULTANT, the OWNER shall compensate the CONSULTANT a multiple of one and one tenth (1.10) times the actual direct costs (costs directly related to the performance of services under this AGREEMENT) incurred by the CONSULTANT. This multiple includes all compensation for overhead and profit related to the reimbursable expenses.

# **EXHIBIT D**

## **DISCLOSURE OF OWNERSHIP/PRINCIPALS**

## DISCLOSURE OF OWNERSHIP/PRINCIPALS

### Business Entity Type (Please select one)

|                     |             |                           |                                                 |       |                         |       |
|---------------------|-------------|---------------------------|-------------------------------------------------|-------|-------------------------|-------|
| Sole Proprietorship | Partnership | Limited Liability Company | <input checked="" type="checkbox"/> Corporation | Trust | Non-Profit Organization | Other |
|---------------------|-------------|---------------------------|-------------------------------------------------|-------|-------------------------|-------|

### Business Designation Group (Please select all that apply)

|                              |                                 |                           |                                           |                        |                                 |                         |
|------------------------------|---------------------------------|---------------------------|-------------------------------------------|------------------------|---------------------------------|-------------------------|
| MBE                          | WBE                             | SBE                       | PBE                                       | VET                    | DVET                            | ESB                     |
| Minority Business Enterprise | Women-Owned Business Enterprise | Small Business Enterprise | Physically Challenged Business Enterprise | Veteran Owned Business | Disabled Veteran Owned Business | Emerging Small Business |

Number of Clark County Nevada Residents Employed: 49

|                                 |                                     |                 |                                   |
|---------------------------------|-------------------------------------|-----------------|-----------------------------------|
| Corporate/Business Entity Name: | <u>CA Group, Inc.</u>               |                 |                                   |
| (Include d.b.a., if applicable) |                                     |                 |                                   |
| Street Address:                 | <u>2785 S. Rainbow Blvd Ste 100</u> | Website:        | <u>www.c-agroup.com</u>           |
| City, State and Zip Code:       | <u>Las Vegas, NV 89146</u>          | POC Name:       | <u>Jack Sjostrom</u>              |
| Telephone No:                   | <u>702 685 5945</u>                 | Email:          | <u>jack.sjostrom@c-agroup.com</u> |
| Nevada Local Street Address:    |                                     | Fax No:         | <u>702 685 5947</u>               |
| (If different from above)       |                                     | Website:        |                                   |
| City, State and Zip Code:       |                                     | Local Fax No:   |                                   |
| Local Telephone No:             |                                     | Local POC Name: |                                   |
|                                 |                                     | Email:          |                                   |

All entities, with the exception of publicly-traded and non-profit organizations, must list the names of individuals holding more than five percent (5%) ownership or financial interest in the business entity appearing before the Board.

Publicly-traded entities and non-profit organizations shall list all Corporate Officers and Directors in lieu of disclosing the names of individuals with ownership or financial interest. The disclosure requirement, as applied to land-use applications, extends to the applicant and the landowner(s).

Entities include all business associations organized under or governed by Title 7 of the Nevada Revised Statutes, including but not limited to private corporations, close corporations, foreign corporations, limited liability companies, partnerships, limited partnerships, and professional corporations.

|                                                       |                                 |                                                                                        |
|-------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------|
| Full Name                                             | Title                           | 100% Owned<br>(Not required for Publicly Traded Corporations/Non-profit organizations) |
| <u>C.A. Group Inc. Employee Stock Ownership Trust</u> | <u>ESOP TRUST</u>               |                                                                                        |
|                                                       | <u>- Dale Stevens - Trustee</u> |                                                                                        |
|                                                       |                                 |                                                                                        |

This section is not required for publicly-traded corporations. Are you a publicly-traded corporation? Yes ☐ No ☒

- Are any individual members, partners, owners or principals, involved in the business entity, a Clark County, Department of Aviation, Clark County Detention Center or Clark County Water Reclamation District full-time employee(s), or appointed/elected official(s)?  
Yes ☐ No ☒ (If yes, please note that County employee(s), or appointed/elected official(s) may not perform any work on professional service contracts, or other contracts, which are not subject to competitive bid.)
- Do any individual members, partners, owners or principals have a spouse, registered domestic partner, child, parent, in-law or brother/sister, half-brother/half-sister, grandchild, grandparent, related to a Clark County, Department of Aviation, Clark County Detention Center or Clark County Water Reclamation District full time employee(s), or appointed/elected official(s)?  
Yes ☐ No ☒ (If yes, please complete the Disclosure of Relationship form on Page 2. If no, please print N/A on Page 2.)

I certify under penalty of perjury, that all of the information provided herein is current, complete, and accurate. I also understand that the Board will not take action on land-use approvals, contract approvals, land sales, leases or exchanges without the completed disclosure form.

|                            |                        |
|----------------------------|------------------------|
| Signature                  | Print Name             |
| <u>Melvin Sjostrom</u>     | <u>Melvin Sjostrom</u> |
| Title                      | Date                   |
| <u>Secretary/Treasurer</u> | <u>6/4/25</u>          |

## DISCLOSURE OF RELATIONSHIP

List any disclosures below:  
(Mark N/A, if not applicable.)

| NAME OF<br>BUSINESS<br>OWNER/PRINCIPAL | NAME OF COUNTY*<br>EMPLOYEE/OFFICIAL<br>AND JOB TITLE | RELATIONSHIP TO<br>COUNTY*<br>EMPLOYEE/OFFICIAL | COUNTY*<br>EMPLOYEE'S/OFFICIAL'S<br>DEPARTMENT |
|----------------------------------------|-------------------------------------------------------|-------------------------------------------------|------------------------------------------------|
| N/A                                    |                                                       |                                                 |                                                |
|                                        |                                                       |                                                 |                                                |
|                                        |                                                       |                                                 |                                                |
|                                        |                                                       |                                                 |                                                |
|                                        |                                                       |                                                 |                                                |
|                                        |                                                       |                                                 |                                                |
|                                        |                                                       |                                                 |                                                |
|                                        |                                                       |                                                 |                                                |
|                                        |                                                       |                                                 |                                                |

\* County employee means Clark County, Department of Aviation, Clark County Detention Center or Clark County Water Reclamation District.

"Consanguinity" is a relationship by blood. "Affinity" is a relationship by marriage.

"To the second degree of consanguinity" applies to the candidate's first and second degree of blood relatives as follows:

- Spouse – Registered Domestic Partners – Children – Parents – In-laws (first degree)
- Brothers/Sisters – Half-Brothers/Half-Sisters – Grandchildren – Grandparents – In-laws (second degree)

---

### *For County Use Only:*

If any Disclosure of Relationship is noted above, please complete the following:

Yes No Is the County employee(s) noted above involved in the contracting/selection process for this particular agenda item?

Yes No Is the County employee(s) noted above involved in any way with the business in performance of the contract?

Notes/Comments:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name  
Authorized Department Representative

# **EXHIBIT E**

## **INSURANCE REQUIREMENTS**

## EXHIBIT E INSURANCE REQUIREMENTS

TO ENSURE COMPLIANCE WITH THE CONTRACT DOCUMENT, ENGINEERS SHOULD FORWARD THE FOLLOWING INSURANCE CLAUSE AND SAMPLE INSURANCE FORM TO THEIR INSURANCE AGENT PRIOR TO PROPOSAL SUBMITTAL

1. FORMAT / TIME

ENGINEER shall provide OWNER with Certificates of Insurance, per the sample format (page B-3), for coverages as listed below, and endorsements affecting coverage required by this CONTRACT within seven (7) calendar days after the award by OWNER. All policy certificates and endorsements shall be signed by a person authorized by that insurer and who is licensed by the State of Nevada in accordance with NRS 680A.300. All required aggregate limits shall be disclosed and amounts entered on the certificate of insurance, and shall be maintained for the duration of CONTRACT and any renewal periods.

2. BEST KEY RATING

OWNER requires insurance carriers to maintain during CONTRACT term, a Best Key Rating of A.VII or higher, which shall be fully disclosed and entered on the certificate of insurance.

3. OWNER COVERAGE

OWNER, its officers and employees must be expressly covered as additional insureds except on workers' compensation insurance coverages. ENGINEER'S insurance shall be primary as respects OWNER, its officers and employees.

4. ENDORSEMENT / CANCELLATION

ENGINEER'S commercial general liability and automobile liability insurance policy shall be endorsed to recognize specifically ENGINEER'S contractual obligation of additional insured to OWNER. All policies must note that OWNER will be given thirty (30) calendar days advance notice by certified mail "return receipt requested" of any policy changes, cancellations, or any erosion of insurance limits.

5. DEDUCTIBLES

All deductibles and self-insured retentions shall be fully disclosed in the Certificates of Insurance and may not exceed **\$25,000**.

6. AGGREGATE LIMITS

If aggregate limits are imposed on bodily injury and property damage, then the amount of such limits must not be less than **\$2,000,000**.

7. COMMERCIAL GENERAL LIABILITY

Subject to paragraph 6 of this attachment, ENGINEER shall maintain limits of no less than **\$1,000,000** combined single limit per occurrence for bodily injury (including death), personal injury and property damages. Commercial General Liability coverage shall be on a "per occurrence" basis only, not "claims made", and be provided either on a Commercial General Liability or a Broad Form Comprehensive General Liability (including a Broad Form CGL endorsement) insurance form.

8. AUTOMOBILE LIABILITY

Subject to paragraph 6 of this attachment, ENGINEER shall maintain limits of no less than **\$1,000,000** combined single limit per occurrence for bodily injury and property damage, to include, but not be limited to, coverage against all insurance claims for injuries to persons or damages to property which may arise from services rendered by ENGINEER and any auto used for the performance of services under CONTRACT.

9. WORKERS' COMPENSATION

ENGINEER shall obtain and maintain for the duration of CONTRACT, a work certificate and/or a certificate issued by an insurer qualified to underwrite workers' compensation insurance in the State of Nevada, in accordance with Nevada Revised Statutes Chapters 616A-616D, inclusive, provided, however, a ENGINEER who is a Sole Proprietor shall be required to submit an affidavit (Attachment 1) indicating that ENGINEER has elected not to be included in the terms, conditions and provisions of Chapters 616A-616D, inclusive, and is otherwise in compliance with those terms, conditions and provisions.

10. FAILURE TO MAINTAIN COVERAGE

If ENGINEER fails to maintain any of the insurance coverages required herein, OWNER may withhold payment, order ENGINEER to stop the work, declare ENGINEER in breach, suspend or terminate CONTRACT, assess liquidated damages as defined herein, or may purchase replacement insurance or pay premiums due on existing policies. OWNER may collect any replacement insurance costs or premium payments made from ENGINEER or deduct the amount paid from any sums due ENGINEER under CONTRACT.

11. ADDITIONAL INSURANCE

ENGINEER is encouraged to purchase any such additional insurance as it deems necessary.

12. DAMAGES

ENGINEER is required to remedy all injuries to persons and damage or loss to any property of OWNER, caused in whole or in part by ENGINEER, their subcontractors or anyone employed, directed or supervised by ENGINEER.

13. COST

ENGINEER shall pay all associated costs for the specified insurance. The cost shall be included in the CONTRACT price(s).

14. INSURANCE SUBMITTAL ADDRESS

All Insurance Certificates requested shall be sent to the Clark County Water Reclamation District Purchasing and Contracts Department, Attention: Insurance Coordinator. See below Paragraph 15.H. for the appropriate mailing address.

15. INSURANCE FORM INSTRUCTIONS

The following information must be filled in by ENGINEERS' Insurance Company representative

- A. Insurance Broker's name, complete address, contact name, phone and fax numbers.
- B. ENGINEER'S name, complete address, phone and fax numbers.
- C. Insurance Company's Best Key Rating
- D. Commercial General Liability (Per Occurrence)
  - (A) Policy Number
  - (B) Policy Effective Date
  - (C) Policy Expiration Date
  - (D) General Aggregate (\$2,000,000)
  - (E) Products - Completed Operations Aggregate (\$2,000,000)
  - (F) Personal & Advertising Injury (\$1,000,000)
  - (G) Each Occurrence (\$1,000,000)
  - (H) Fire Damage (\$50,000)
  - (I) Medical Expenses (\$5,000)
- E. Automobile Liability (Any Auto)
  - (J) Policy Number
  - (K) Policy Effective Date
  - (L) Policy Expiration Date
  - (M) Combined Single Limit (\$1,000,000)
- F. Worker's Compensation
- G. Description: Project 25101, COLLECTION SYSTEM REHABILITATION PACKAGE 2 (must be identified on the initial insurance form and each renewal form).
- H. Certificate Holder  
Clark County Water Reclamation District  
c/o Purchasing and Contracts Department  
5857 East Flamingo Road  
Las Vegas, Nevada 89122
- I. Appointed Agent Signature to include license number and issuing state.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------|------------|--|------------|--|------------|--|---------------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                           | <b>CERTIFICATE OF LIABILITY INSURANCE</b>                                                                                                                                                                                                                                                                                                                                         |          | DATE (MM/DD/YYYY)                                                                                                                                                                                                           |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| <p>THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.</p>                                                                                   |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| <p><b>IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed.</b> If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).</p>                                                                                                                                        |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| <b>PRODUCER</b><br><b>1. INSURANCE BROKER'S NAME</b><br>ADDRESS                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                           | <b>CONTACT NAME:</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PHONE<br/>(AC No., Ext): BROKER'S PHONE NUMBER</td> <td style="width: 50%;">FAX<br/>(AC No.): BROKER'S FAX NUMBER</td> </tr> <tr> <td colspan="2">EMAIL ADDRESS: BROKER'S EMAIL ADDRESS</td> </tr> </table>                                               |          |                                                                                                                                                                                                                             |                       | PHONE<br>(AC No., Ext): BROKER'S PHONE NUMBER | FAX<br>(AC No.): BROKER'S FAX NUMBER                                                                                                                                                                                                                                                            | EMAIL ADDRESS: BROKER'S EMAIL ADDRESS |        |            |  |            |  |            |  |               |  |
| PHONE<br>(AC No., Ext): BROKER'S PHONE NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FAX<br>(AC No.): BROKER'S FAX NUMBER                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| EMAIL ADDRESS: BROKER'S EMAIL ADDRESS                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| <b>INSURED</b><br><b>2. CONSULTANT'S NAME</b><br>ADDRESS<br>PHONE & FAX NUMBERS                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                           | <b>INSURER(S) AFFORDING COVERAGE</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>INSURER A:</td><td>3. CARRIER'S</td></tr> <tr><td>INSURER B:</td><td>BEST KEY</td></tr> <tr><td>INSURER C:</td><td>RATING</td></tr> <tr><td>INSURER D:</td><td></td></tr> <tr><td>INSURER E:</td><td></td></tr> <tr><td>INSURER F:</td><td></td></tr> </table> |          | INSURER A:                                                                                                                                                                                                                  | 3. CARRIER'S          | INSURER B:                                    | BEST KEY                                                                                                                                                                                                                                                                                        | INSURER C:                            | RATING | INSURER D: |  | INSURER E: |  | INSURER F: |  | <b>NAIC #</b> |  |
| INSURER A:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3. CARRIER'S                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| INSURER B:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BEST KEY                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| INSURER C:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | RATING                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| INSURER D:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| INSURER E:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| INSURER F:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| <b>COVERAGES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                           | <b>CERTIFICATE NUMBER:</b>                                                                                                                                                                                                                                                                                                                                                        |          | <b>REVISION NUMBER:</b>                                                                                                                                                                                                     |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| <p>THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.</p> |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| INSR LTR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TYPE OF INSURANCE                                                                                                                                                                                                                                                                                                         | ADDL INSR                                                                                                                                                                                                                                                                                                                                                                         | SUBR WAO | POLICY NUMBER                                                                                                                                                                                                               | POLICY EFF (MM/DD/YY) | POLICY EXP (MM/DD/YY)                         | LIMITS                                                                                                                                                                                                                                                                                          |                                       |        |            |  |            |  |            |  |               |  |
| 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | GENERAL LIABILITY<br><input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY<br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC | X                                                                                                                                                                                                                                                                                                                                                                                 |          | (A)                                                                                                                                                                                                                         | (B)                   | (C)                                           | EACH OCCURRENCE \$ (G) 1,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ (H) 50,000<br>MED EXP (Any one person) \$ (I) 5,000<br>PERSONAL & ADY INJURY \$ (F) 1,000,000<br>GENERAL AGGREGATE \$ (D) 2,000,000<br>PRODUCTS - COMP/OP AGG \$ (E) 2,000,000<br>DEDUCTIBLE MAXIMUM \$ 25,000 |                                       |        |            |  |            |  |            |  |               |  |
| 5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | AUTOMOBILE LIABILITY<br><input checked="" type="checkbox"/> ANY AUTO<br><input type="checkbox"/> ALL OWNED AUTOS<br><input type="checkbox"/> SCHEDULED AUTOS<br><input type="checkbox"/> HIRED AUTOS<br><input type="checkbox"/> NON-OWNED AUTOS                                                                          | X                                                                                                                                                                                                                                                                                                                                                                                 |          | (J)                                                                                                                                                                                                                         | (K)                   | (L)                                           | COMBINED SINGLE LIMIT (Ea accident) \$ (M) 1,000,000<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$<br>DEDUCTIBLE MAXIMUM \$ 25,000                                                                                                   |                                       |        |            |  |            |  |            |  |               |  |
| 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>describe under DESCRIPTION OF OPERATIONS below                                                                                                                                           | Y/N                                                                                                                                                                                                                                                                                                                                                                               | N/A      |                                                                                                                                                                                                                             |                       |                                               | WC STATUTORY LIMITS OTHER \$<br>EL EACH ACCIDENT \$<br>EL DISEASE - EA EMPLOYEE \$<br>EL DISEASE - POLICY LIMIT \$                                                                                                                                                                              |                                       |        |            |  |            |  |            |  |               |  |
| DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| <b>7. DESCRIPTION:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                             |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |
| <b>8. CERTIFICATE HOLDER</b><br>CLARK COUNTY WATER RECLAMATION DISTRICT<br>C/O PURCHASING AND CONTRACTS DEPARTMENT<br>5857 E. FLAMINGO RD<br>LAS VEGAS, NV 89122                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                   |          | <b>CANCELLATION</b><br>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.<br><b>9. AUTHORIZED REPRESENTATIVE</b> |                       |                                               |                                                                                                                                                                                                                                                                                                 |                                       |        |            |  |            |  |            |  |               |  |

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POLICY NUMBER: \_\_\_\_\_  
LIABILITY

COMMERCIAL GENERAL AND AUTOMOBILE

PROJECT NUMBER AND NAME: \_\_\_\_\_

**THIS ENDORSEMENT CHANGED THE POLICY. PLEASE READ IT CAREFULLY**

**ADDITIONAL INSURED – DESIGNATED PERSON OR  
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY AND AUTOMOBILE LIABILITY COVERAGE PART.

**SCHEDULE**

**Name of Person or Organization:**

CLARK COUNTY WATER RECLAMATION DISTRICT C/O  
PURCHASING AND CONTRACTS DEPARTMENT  
5857 EAST FLAMINGO ROAD  
LAS VEGAS, NEVADA 89122

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

WHO IS AN INSURED (Section II) is amended to include as an insured the person or organization shown in the Schedule as an insured but only with respect to liability arising out of your operations or premises owned by or rented to you.

CLARK COUNTY, NEVADA, ITS OFFICERS, EMPLOYEES AND VOLUNTEERS ARE INSURED WITH RESPECT TO LIABILITY ARISING OUT OF THE ACTIVITIES BY OR ON BEHALF OF THE NAMED INSURED IN CONNECTION WITH THIS PROJECT.

# **EXHIBIT F**

## **ENGINEER TRAVEL POLICY**

## **EXHIBIT F ENGINEER TRAVEL POLICY**

### **PURPOSE:**

This document provides detailed rules and establishes procedures for all OWNER Contractor/ENGINEERS incurring business travel expenses related to services provided to the OWNER while under contract.

### **BUSINESS TRAVEL**

1. Arrangements for business travel shall be made at the lowest reasonable and customary fare available. Travel arrangements shall be booked 14 days in advance of departure, or sooner with prior written approval by the OWNER. Upgrade charges to business travel (i.e. upgrading to business/first class, changing your departure/ arrival time) are the Traveler's personal responsibility and expense.
2. Should unforeseen travel delays occur due to weather, national emergency, changes in schedule made by the carrier, etc., the Traveler should use discretion when making arrangements for additional travel to ensure the lowest cost to the OWNER.
3. Travelers shall be held responsible for cancellations costs incurred if, as a result of their own actions, a trip is not taken.
4. Airport parking fees incurred during business travel for the OWNER will be reimbursed at Long Term/Economy parking rates.

### **RENTAL CARS**

1. Travelers may be allowed to rent a car at their destination when:
  - a. It is less expensive (considering all costs including rental, fuel, and taxes) than other transportation such as taxis, public transportation, hotel, and/or airport shuttles.
  - b. They are transporting heavy equipment, large, bulky, or sensitive materials.
2. Car rental is limited to an Economy/Standard car. The OWNER will not pay for navigation systems, cellular telephones, upgrade in class, or other options provided by the rental company. OWNER will not reimburse for insurance coverage provided by rental company. Refueling charges from the rental company are not reimbursable, only cost of lowest grade fuel (87 octane) will be reimbursed.
3. Only the Traveler who signs the rental car agreement will be allowed to drive the rental car. The OWNER will not pay the cost to add additional drivers to the AGREEMENT.

### **MILEAGE**

1. Travelers will be reimbursed for approved business travel using personal vehicles on a fixed mileage rate. If a private vehicle is used for personal convenience, the allowance for travel is one-half the standard mileage reimbursement rate. Additionally, the maximum allowed for personal care usage mileage reimbursement will not exceed the cost of commercial airfare.
2. Travelers will not be reimbursed for any fuel cost, maintenance costs, car washes, towing, or repairs to their personal vehicles even if these costs result from business travel.

3. Compensation is not allowed for transportation to/from the home and principal place of business. Mileage maybe reimbursed if mileage is in excess of miles to/from home and principal place of business.

#### LODGING, MEALS AND INCIDENTALS

1. Lodging, Meal and Incidental Per Diem Allowance is defined as a daily payment instead of reimbursement for actual expenses for all lodging (including taxes and fees), meal and incidental expenses, including tips.
2. Lodging, meal and incidental expenses for business related travel of Monday through Friday WILL BE REIMBURSED AT THE PER DIEM RATE as established for federal government employees. Exceptions must be pre-approved by OWNER personnel in writing.
3. Per federal guidelines, on the day of departure and the last day of travel, meal and incidental reimbursements will be at 75% of the applicable meal per diem rate.
4. The current Lodging, Meal and Incidental reimbursement rates for Clark County, Nevada, can be obtained via the Internet at [www.gsa.gov/perdiem](http://www.gsa.gov/perdiem).

#### MEAL REIMBURSEMENT FOR ONE-DAY TRAVEL

1. Travelers shall not be reimbursed for meal and incidental expenses incurred for one day travel. Meal and incidental expenses will only be reimbursed when the travel is outside the local area for longer than a Traveler's ordinary day's work.

#### MISCELLANEOUS TRAVEL EXPENSE EXCLUSIONS

1. Expenses such as alcohol, sightseeing, tours, souvenirs, gifts, toiletries, personal items, movies, health club fees, laundry, sporting events, spas, etc., and any other expenses incurred before or after approved business related travel will not be reimbursed.
2. Travel expenses incurred by a spouse or other individual accompanying the Traveler on business will not be reimbursed.
3. Expenses for travel insurance coverage will not be reimbursed.

#### REIMBURSEMENT

All original receipts must be submitted for items not included in Per Diem, including all transportation (airfare/bus/rail, etc.), rental car, airport parking fees, and fuel for rental car.

# **EXHIBIT G**

## **SAFETY AND SECURITY REQUIREMENTS**

## **EXHIBIT G**

### **SAFETY AND SECURITY REQUIREMENTS**

#### **Safety Requirements**

The ENGINEER and its sub-ENGINEERs and/or sub-contractors are responsible for the safety and proper training of their employees, representatives, and agents, and shall comply with the requirements of OSHA 1910, General Industry Standards, and OSHA 1926, Construction Industry Standards (when applicable).

The ENGINEER and its sub-ENGINEERs and/or sub-contractors shall provide their employees, representatives, and agents with safety equipment, and shall only allow staff that is properly trained in the relevant safety procedures and equipped with safety equipment to perform work for OWNER. The OWNER may provide an inspector on a worksite on which ENGINEER provides/performs goods/services; however, the OWNER shall not (and shall not be expected to) perform safety inspections or safety training of any kind. The ENGINEER shall be required to provide a qualified safety representative for the worksite. Any and all hazardous-type materials brought on OWNER property will require pre-approval by the OWNER Project Manager.

In accordance with 29 CFR 1910.146, Confined Spaces, any of ENGINEER's employees, representatives, and agents that enter any OWNER-owned facility (e.g. lift station, manhole, and basin), must be properly trained and follow the mandates outlined in OSHA 1910 and/or OSHA 1926 as to confined spaces. ENGINEER must provide training and all required equipment (non-stationary) for their employees, representatives, and agents as required by OSHA 1910 and/or OSHA 1926.

ENGINEER and its sub-ENGINEERs and/or sub-contractors shall follow all procedures set forth in 29 CFR 1910.147, The Control of Hazardous Energy (Lockout Tag-Out), when applicable, including but not limited to any equipment used by the ENGINEER that is powered or energized by any means and/or that could start automatically. All field staff for OWNER and ENGINEER participating in the project shall be instructed on the pertinent OSHA standards for Lockout Tag-Out procedures/protocol.

Where applicable, you must adhere to the following programs/notification processes for "Call Before You Dig"/USA North **1-800-227-2600**, Clark County Traffic Operations **702-455-7511** and Las Vegas Computerized Traffic Systems **702-229-6611**.

ENGINEER must utilize trained and qualified employees to perform the jobs/tasks as required by the pertinent standards within OSHA 1910 and 1926, as well as any other safety standards mandated by applicable law. ENGINEER shall be solely responsible for ensuring compliance with this requirement.

**Any safety questions shall be made to:**  
**DISTRICT Safety Officer**  
**702-668-8000**

### **Security Requirements, Restrictions, and Procedures**

The OWNER facilities are secure sites. As such, while performing work on OWNER facilities, the ENGINEER shall strictly adhere to these security requirements, restrictions, and procedures:

1. Only properly authorized and identified personnel will be allowed on OWNER facilities, and all authorized personnel shall prominently wear identification badges at all times when on the facility. These badges shall be issued by the OWNER and contain the individual's name, company affiliation, contract number for which work is being performed at the facility, and expiration date of authorization. ENGINEER shall immediately collect and return to OWNER each badge for persons no longer needing access to the facility or no longer authorized to access the facility. ENGINEER shall not allow any individuals onto OWNER facilities who have not been so authorized by the OWNER.
2. Authorization for access to a facility may be limited to certain areas of a facility and conditioned on and/or subject to an escort by a designated OWNER representative.
3. The ENGINEER is responsible for maintaining security as to each OWNER facility while present thereon and/or therein.
4. ENGINEER shall not leave any OWNER facility unlocked/unsecured. OWNER facilities shall remain locked at all times unless authorized personnel of ENGINEER, or its subcontractor, are located on or inside the facility.
5. ENGINEER shall inform OWNER of every instance of ingress and egress of a OWNER facility. Specifically, for each instance in which ENGINEER accesses or vacates a OWNER facility (including but not limited to, multiple visits to the facility in the same shift, leaving/returning from lunch breaks, ending a work shift, etc.), and prior to locking/unlocking or leaving/entering a OWNER facility, the ENGINEER shall inform the designated OWNER representative that ENGINEER or its sub-contractor(s) are entering/unlocking or leaving/locking the facility.
6. All vehicles and personnel entering or exiting the facility will be required to check in with the on-site security officers, if any. All vehicles and personnel entering the facility are subject to inspection. Failure to comply with an inspection request by security personnel will result in immediate removal of the vehicle or person from the facility and the banning of the vehicle or person from future access to the facility.
7. Unless otherwise approved by the OWNER, the ENGINEER or its sub-ENGINEER and/or subcontractor shall leave each facility in the same condition as it was in prior to accessing the facility. The ENGINEER or its sub-ENGINEER and/or subcontractor is not permitted to alter or affect the operation or functionality of the facility during the course of work performed thereon. ENGINEER shall be liable for any and all damage to any part of a OWNER facility resulting in any way from an act or omission of the ENGINEER or its subcontractor.
8. ENGINEER and its subcontractor shall adhere to traffic, speed limit, and parking requirements applicable to the facility.
9. Weapons of all kinds are prohibited from all OWNER facilities (including but not limited to concealed weapons in parked cars).

10. OWNER may impose limitations on ENGINEER's access to a facility at any time when reasonably necessary or prudent in OWNER's sole discretion, including but not limited to, elevated security situations or maintenance activities. ENGINEER and its subcontractors and/or sub-ENGINEERS may be removed and/or precluded from any facility in the event OWNER becomes aware of any act or threat of violence, misconduct, or violation of these requirements, restrictions, and procedures by ENGINEER and its subcontractors.

**Any security questions shall be made to:  
DISTRICT Safety/Security Administrator  
702- 668-8000**

# **EXHIBIT H**

## **SUBCONTRACTOR INFORMATION**

## EXHIBIT H SUBCONTRACTOR INFORMATION

### DEFINITIONS

MINORITY OWNED BUSINESS ENTERPRISE (MBE): An independent and continuing **Nevada** business for profit which performs a commercially useful function and is at least 51% owned and controlled by one or more minority persons of Black American, Hispanic American, Asian-Pacific American or Native American ethnicity.

WOMEN OWNED BUSINESS ENTERPRISE (WBE): An independent and continuing **Nevada** business for profit which performs a commercially useful function and is at least 51% owned and controlled by one or more women.

PHYSICALLY-CHALLENGED BUSINESS ENTERPRISE (PBE): An independent and continuing **Nevada** business for profit which performs a commercially useful function and is at least 51% owned and controlled by one or more disabled individuals pursuant to the federal Americans with Disabilities Act.

SMALL BUSINESS ENTERPRISE (SBE): An independent and continuing **Nevada** business for profit which performs a commercially useful function, is not owned and controlled by individuals designated as minority, women, or physically-challenged, and where gross annual sales does not exceed \$2,000,000.

NEVADA BUSINESS ENTERPRISE (NBE): Any **Nevada** business which has the resources necessary to sufficiently perform identified OWNER projects, and is owned or controlled by individuals that are not designated as socially or economically disadvantaged.

It is our intent to utilize the following MBE, WBE, PBE, SBE, and NBE subcontractors in association with this AGREEMENT:

1. Subcontractor Name: PMCM Consulting Services, LLC  
Contact Person: Ganesh Kadam Telephone Number: 702.350.5313  
Description of Work: Sewer Design, Quality Control  
Estimated Percentage of Total Dollars: 10%  
Business Type: ☒ MBE ☐ WBE ☐ PBE ☒ SBE ☐ NBE
2. Subcontractor Name: \_\_\_\_\_  
Contact Person: \_\_\_\_\_ Telephone Number: \_\_\_\_\_  
Description of Work: \_\_\_\_\_  
Estimated Percentage of Total Dollars: \_\_\_\_\_  
Business Type: ☐ MBE ☐ WBE ☐ PBE ☐ SBE ☐ NBE
3. Subcontractor Name: \_\_\_\_\_  
Contact Person: \_\_\_\_\_ Telephone Number: \_\_\_\_\_  
Description of Work: \_\_\_\_\_  
Estimated Percentage of Total Dollars: \_\_\_\_\_  
Business Type: ☐ MBE ☐ WBE ☐ PBE ☐ SBE ☐ NBE
4. Subcontractor Name: \_\_\_\_\_  
Contact Person: \_\_\_\_\_ Telephone Number: \_\_\_\_\_  
Description of Work: \_\_\_\_\_  
Estimated Percentage of Total Dollars: \_\_\_\_\_  
Business Type: ☐ MBE ☐ WBE ☐ PBE ☐ SBE ☐ NBE

☐ No MBE, WBE, PBE, SBE, or NBE subcontractors will be used.