

Via Electronic Mail

12/2/2024



Mayor Julie Wilkins
LaBelle City Hall
481 West Hickpochee Avenue
LaBelle, FL 33935

RE: Proposal for Design Engineering Services for New Wastewater Treatment Facility
City of LaBelle, FL

Dear Mayor Wilkins:

Thank you for the opportunity for Woodard & Curran (W&C) to provide this proposal for professional Design Engineering Services pertaining to the new Wastewater Treatment Facility (WWTF) for the City of LaBelle (City).

This project and the proposed scope encompass the recommendations included in the LaBelle Clean Water Facilities Plan (CW Plan) that was prepared for the City of LaBelle in a collaborative effort by City Staff and W&C to meet the current and future needs of the City and the requirements of the Florida Department of Environmental Protection's (FDEP's) funding from Special Appropriation for Hurricanes Fiona and Ian (SAHFI). The CW Plan was developed to evaluate utility needs related to clean water treatment and collection to include improved resiliency, flood protection, health and safety, reliability, O&M efficiency and 20-year growth estimates.

BACKGROUND

The City of LaBelle, Florida is in northwestern Hendry County on the south side of the Caloosahatchee River. The population is approximately 5,041 people according to a 2022 report from the University of Florida's Bureau of Economic Business Research (BEBR). An average annual 0.9% population growth is expected to occur within the existing service area. This corresponds with a total population estimate of 23% between 2022 and 2046.

The City's existing Citrus Street Wastewater Treatment Facility is rated for an annual average flow of 0.75 MGD (1.85 Peak Hour Flow). Currently, about 61% of the City's residents are connected to the sewage collection system. However, the City is actively working toward connecting residents utilizing septic systems to the sewer collection system. The CW Plan estimates future annual average flow rate of 0.81 MGD (2.5 Peak Hour Flow). The existing WWTF (as well as the associated collection system and lift stations) are currently undersized to meet the requirements of the City's 20-year planning period.

PROJECT UNDERSTANDING AND APPROACH SUMMARY

Based on the assessment performed in the CW Plan and the projected wastewater flows from future developments, the City urgently needs to implement the recommendations of the CW



Plan. This Design Engineering Services scope was developed for a new wastewater treatment facility, as further described below:

New Wastewater Treatment Facility

1. Installation of a new master lift pump station to transport raw wastewater from the existing Citrus St. WWTF site to the new WWTF located at the southern end of the City. The station will include submersible pumps ultimately capable of pumping a peak flow of 2.46 MGD. The new pump station will include a control panel, motor control center (MCC), generator, valve vault, internal piping, water connection, fencing, lighting and radio communications. The station will be located at the site of the existing Citrus St. WWTF.
2. Repurposing the existing 8" PVC reuse force main from the existing WWTF effluent to the injection well located adjacent to the proposed WWTF location. This force main will be repurposed to pump wastewater from the new master lift pump station to the new WWTF location.
3. Installation of a new concrete headworks structure with a mechanical screen, bar rack, screenings dewatering and conveyance, grit removal, and grit dewatering and conveyance. The structure will include a splitter box to distribute screened flow to secondary treatment. The headworks will be open-air and not include a canopy or enclosure.
4. Installation of a field erected packaged treatment system designed by the manufacturer. Two systems will be provided to ensure complete redundancy. Each packaged system includes a center clarifier, biological treatment, equalization basin, and a digester zone. The packaged system includes ancillary equipment including blowers, mixers, recycle pumps, etc. to provide a functional secondary treatment process. The packaged treatment system manufacturer will provide Return Activated Sludge and Waste Activated Sludge air lift pumps for transfer of solids.
5. Installation of an intermediate pump station, which will be a submersible station consisting of pre-cast concrete wet-well and valve vault, control panel, and associated electrical controls and instrumentation.
6. Installation of new tertiary cloth-disc filters arranged in parallel to provide duty and standby units. Filters will require ferric chloride and polymer addition for coagulation and flocculation. Equipment will include chemical storage tanks and dosing equipment. All chemical equipment will be housed under a canopy structure that is equipped with secondary containment, plumbing, piping, electrical, instrumentation and controls. The filters will be located outside of the canopy.
7. Installation of two concrete chlorine contact tanks (CCTs), each with a volume of approximately 43,000 gallons and associated baffle walls. A sodium hypochlorite bulk storage tank and pumping system will be included to feed into the CCTs. All equipment will be housed under a canopy structure that will be equipped with secondary containment, plumbing, piping, electrical, instrumentation and controls.



8. Installation of an effluent pump station to discharge disinfected effluent to the existing deep injection well. The final effluent pump station includes a pre-cast wet well and valve vault with submersible pumps, piping, and associated electrical, instrumentation and controls.
9. Installation of a belt filter press for dewatering, including conveyor, polymer storage and dosing equipment, all housed within a canopy that will be equipped with plumbing, piping, electrical, and instrumentation and controls.
10. Installation of new driveway, chain link fencing around the facility, electric access gate, new emergency generator, and transformer.
11. New Operations Building to include a laboratory, bathrooms, office space, and main electrical room.
12. New Supervisory Control and Data Acquisition (SCADA) System
13. Demolition of the existing Citrus Street WWTF, including all tanks and associated process end electrical equipment.

SCOPE OF WORK DETAILS

W&C agrees to provide the following Engineering Design Services to the City as follows:

PHASE 001 – Preliminary Investigations

1.1 Survey & Subsurface Utility Locate: W&C will complete a boundary and topographic survey using the City approved horizontal and vertical datum to create a base plan for the new WWTF, including but not limited to property lines, topography, utilities, drainage, physical features, and buildings. This information will also be used to confirm proposed infrastructure location in comparison to the 100-year and 500-year flood zone. A desktop review of available information will be performed to identify wetland resource areas. All survey and subsurface utility locate drawings will be stamped by a Florida Licensed Professional Surveyor. The City will be provided with copies of all finalized drawings. This work is anticipated to be sub-contracted.

1.2 Geotechnical Subsurface Studies: Geotechnical exploration, including soil sampling and borings, will be conducted to ascertain the necessary geotechnical design parameters at locations of any proposed new structures at the WWTF. This task includes pre-exploration activities, including review of published soils information and plans of underground utilities to facilitate the completion of subsurface exploratory test borings and analysis. A report summarizing all data and findings will be prepared and provided to the City. This work is anticipated to be sub-contracted.

1.3 Environmental Assessment: A site inspection and desktop analysis of the proposed WWTF will be conducted for the presence of wetlands and/or endangered species. A report summarizing all data and findings will be prepared and provided to the City. This work is anticipated to be sub-contracted.



1.4 Hazardous Materials Assessment of Existing Structures: An asbestos, PCB, and lead based paint survey and materials sampling of the existing Citrus St. WWTF will be conducted by an EPA accredited, Florida licensed inspector. Samples will be submitted to a National Voluntary Laboratory Accreditation Program (NVLAP)-accredited laboratory for confirmatory polarized light microscopy (PLM) analysis per the EPA test method set forth in EPA/600/R-93-116. The survey results will be summarized in a report which will include inventory sheets for each building/structure. This work is anticipated to be sub-contracted. The scope does not include hazardous materials assessment of soils or groundwater.

PHASE 002 – Construction Management Selection

Phase 002 will consist of facilitating for the City the selection of the qualified Construction Manager At Risk (CMAR) for the project. This phase will include development of the Request for Qualifications (RFQ) for the Construction Manager at Risk (CMAR) for the project, coordinating CMAR interviews, and facilitating the evaluation of the RFQ packages received.

2.1 Preparation of RFQ: W&C will prepare an RFQ consisting of project summary, preliminary project schedule, and background, CMAR scope of services, RFQ submission requirements, owner’s evaluation process/criteria/scoring, CMAR contract agreement, standard terms and conditions, and a technical package that includes: Drawing List, Preliminary Site Plan, draft process flow diagrams, Equipment List, and preliminary demolition drawings. W&C will review the RFQ with the City before advertising it publicly.

2.2 CMAR RFQ Process: W&C will work with the City to advertise the RFQ. W&C will lead a pre-proposal meeting to introduce all proposers to the project and scope of work. W&C will address Requests for Information (RFIs) submitted by proposers as they are preparing their proposals in the form of RFQ Addenda. W&C will also assist with coordinating and attending CMAR interviews.

2.3 Evaluation of Proposals: W&C will review each proposal for accuracy and completeness and will work with the City to evaluate each proposal based on weighted criteria for selection. The evaluation criteria description and relative weight assigned to each will be defined in the RFQ package. A score will be assigned to each Proposal based on the evaluation criteria.

2.4 Project Management (PM): This task occurs concurrently with all the steps outlined above and consists of all those tasks necessary to inform the City of the project’s needs; monitor and control the design process; coordinate information and meetings; coordinate with subcontractors and in-house design staff; reach timely decisions to meet the project schedule; prepare reports to the Client on the progress of the project and status of schedule and budget; and provide technical oversight of project activities.

Meetings: W&C will attend the following meetings which are included under the scope of this proposal:

- One (1) kickoff meeting and site visit at the beginning of the project with City Staff and Operations personnel to confirm W&C’s understanding of the City’s goals for the project and to review the written scope of work, project deliverables, project schedule, and project budget;



- One (1) Workshop with the City to discuss CMAR delivery, RFQ and selection approach;
- One (1) design review meeting to review the CMAR technical package and RFQ with City Staff and Operations personnel; and
- One (1) pre-proposal meeting as part of the CMAR RFQ process.

PHASE 003 – Preliminary Design

Phase 003 will consist of preliminary design development which will include the preparation of progressing to a Design Basis Report, with input from the CMAR. Design charette meetings will be held with the City and CMAR to identify key decisions for each process of the WWTF design. Discussions may include building approach, materials of construction, equipment selection and sizing, and building and piping layouts. The decisions formed from these charette meetings will form the basis for design, which will be summarized in a 30% Design Basis Report.

3.1 Process and Mechanical Design: W&C will prepare the basic process and mechanical design calculations to confirm sizing for each process and piece of equipment. Equipment list will be finalized. General arrangement drawings for the headworks, filters, disinfection and dewatering equipment will be drafted. Demolition drawings for the Citrus St. WWTF will be prepared. Preliminary Process & Instrumentation Diagrams (P&ID) will be prepared for each process.

3.2 Electrical, Instrumentation, and Controls Design: W&C will prepare single line electrical diagrams for each process. Classified areas of the plant will be identified based on National Fire Protection Association (NFPA) 820 standards. Instrumentation and Controls (I&C) design for the project improvements will include a preliminary instrument list and network architecture drawing. Selection and specification of instruments will be coordinated with City and Operations Staff.

3.3 Civil Design: W&C will prepare a site grading and preliminary utilities plan for the WWTF site utilizing the base plan prepared from the ground survey. A preliminary stormwater design plan will be prepared. Issues regarding additional easements and land acquisitions will be identified and brought to the City's attention for resolution.

3.4 Structural & Architectural Design: W&C will prepare general layout drawings for the operations building. A building code review will be conducted. Building and structure type and materials will be identified and summarized in the Design Basis Report.

3.5 Heating Ventilation and Air Conditioning / Plumbing Design: W&C will prepare preliminary design of the Heating Ventilation and Air Conditioning (HVAC) and plumbing at the new WWTF. The type of HVAC will be selected and preliminarily sized for the Operations Building. Plumbing scope will consist of potable water design only. The WWTF will utilize plant water for various process equipment, which will be captured as part of the process and mechanical design.

3.6 Design Basis Report: A Design Basis Report (DBR) will be drafted for the City that will document and describe the design parameters of the WWTF design. The DBR will be organized



to comply with the requirements of the Florida Administrative Code and submitted to FDEP as part of the permitting process.

3.7 CMAR: W&C will coordinate design charette meetings to review the design basis of each process with the CMAR and City. Four (4) four-hour design charette meetings have been budgeted. W&C will also coordinate regular design review meetings with the CMAR. Meetings are anticipated to occur on a bi-weekly basis, but frequency can be adjusted as needed and agreed to by all parties. Six (6) 1-hour meetings have been budgeted for this phase.

3.8 Project Management (PM), This task occurs concurrently with all the steps outlined above and consists of all those tasks necessary to inform the City of the project's needs; monitor and control the design process; coordinate information and meetings; coordinate with subcontractors and in-house design staff; reach timely decisions to meet the project schedule; prepare reports to the Client on the progress of the project and status of schedule and budget; and provide technical oversight of project activities.

Meetings: W&C will attend the following meetings which are included under the scope of this proposal:

- One (1) Workshop with the City and Operations staff to review Operations Building preferences;
- One (1) design review meeting to review the 30% Design Basis Report with City Staff and Operations personnel;
- Four (4) 4-hour design charette meetings have been budgeted to review design basis of each process with CMAR and City; and
- Bi-Weekly virtual meetings will be held with the CMAR and City. Six (6) 1-hour meetings have been budgeted for this phase.

PHASE 004 – Packaged Plant Early Work Package

Phase 004 will consist of preparing an Early Work Package for the procurement of the Packaged Plant system. It is assumed that only one early work package will be prepared as part of this project. If the CMAR suggests that additional early work packages be prepared and the City agrees, an amendment will be requested.

4.1 Packaged Plant Early Work Package: W&C will prepare a detailed specification for the Packaged Plant system, including all design and performance parameters. We will also prepare some preliminary layout drawings for the system. The CMAR will prepare a Guaranteed Maximum Price (GMP) for the procurement of the packaged plant system, as this is expected to be a long lead item. This package will not authorize installation of the equipment.

4.2 Review of Early Work Package GMP: W&C will review the Guaranteed Maximum Price prepared by the CMAR with the owner prior to recommending authorization to proceed.



PHASE 005 – Intermediate Design for GMP Development

Phase 005 will consist of an intermediate design package for the CMAR to prepare the Guaranteed Maximum Price (GMP).

5.1 Process and Mechanical Design: W&C will prepare the full details for the process and mechanical design, including detailed drawings and draft specifications for the new equipment, pumps, piping, valving, instrumentation, and chemical feed systems. Drawings will consist of mechanical layouts and details. The P&ID drawings will be finalized with additional details as appropriate.

5.2 Electrical, Instrumentation, and Controls Design: W&C will prepare draft specifications and draft design drawings. Design will include installation of a new power service sufficient to accommodate the proposed WWTF; installation of new PLCs and/or MCCs to serve the new process loads; and power and controls for all new process equipment. Site Security will be designed for new gate access and building access. Drawings will include one-line diagrams, control panel design, power plans, control plans, wiring diagrams, cable tray layouts, HVAC, interior & exterior lighting, and emergency power.

I&C design will include preparation of a detailed I&C and associated facility components design. It is assumed that the design will include network architecture revisions, development of controls narratives (for Programmable Logic Controllers (PLCs), Human Machine Interface (HMI), & SCADA), control panel designs, and remote communication design.

5.3 Civil Design: W&C will prepare grading, site access and utilities design drawings. Design elements will consist of site clearing and preparation, site grading, site layout, site utilities, stormwater management, fencing, driveway, and walkways. The addition of impervious area is expected to be limited; however, any permitting associated with additional impervious area will be addressed in Phase 007 below.

5.4 Structural and Architectural Design: W&C will prepare detailed structural and architectural design. It is assumed that the design will include a new slab-on-grade metal building; new canopy structures for filter chemical feed, disinfection chemical feed, and solids handling; new foundations for the packaged treatment plants, and all associated equipment pads and submersible pump station foundations. It is assumed that no special foundations will be needed for this design such as piles or other deep foundations. The budget is based on the assumption that the geotechnical investigations will not find subsurface conditions requiring more expensive structural design. Design will include preparation of technical specifications and drawings. Detailed architectural design and drawings related to the aesthetics and architectural aspects of the Operations Building will be prepared.

Fire protection of the Operations Building may include a sprinkler system, if required by code, that will be designed by a certified fire protection expert during construction. A performance specification will be prepared for sprinkler design, if needed.

5.5 HVAC and Plumbing Design: W&C will prepare HVAC sizing calculations, specifications, and drawings for the HVAC system in the Operations Building. HVAC design is anticipated to consist predominantly of air handling equipment and ductwork. The electrical room within the



building will likely include a mini-split unit for conditioning the space. Plumbing details will include a potable water supply system for the building, bathroom fixtures, eye wash stations, and floor drains. This task will include the design of any plumbing necessary to ensure the chemical building meets local, state, and federal plumbing codes.

5.6 CMAR: W&C will coordinate regular design review meetings with the CMAR. Meetings are anticipated to occur on a biweekly basis, but frequency can be adjusted as needed and agreed to by all parties. Ten (10) 1-hour meetings have been budgeted for this phase.

5.7 Project Management (PM) This task occurs concurrently with all the steps outlined above and consists of all those tasks necessary to inform the City of the project's needs; monitor and control the design process; coordinate information and meetings; coordinate with subcontractors and in-house design staff; reach timely decisions to meet the project schedule; prepare reports to the Client on the progress of the project and status of schedule and budget; and provide technical oversight of project activities.

Meetings: W&C will attend the follow meetings which are included under the scope of this proposal:

- One (1) design review meeting to review the 70% Design drawings with City Staff, CMAR, and Operations personnel; and
- Bi-Weekly virtual design review meetings with CMAR and City as described above. Ten (10) 1-hour meetings have been budgeted for this phase.

PHASE 006 – Final Design

Phase 006 will consist of final design development which includes the preparation of a 90% complete set of design plans and a full draft set of the construction specifications. The 90% design plans and specifications will be reviewed with the City, the Operations Team, and CMAR.

Drawings and specifications will then be updated with any comments from the 90% design review. Finally the drawings, specifications and DBR will go through one last QA/QC technical and content review by W&C Engineering Staff and a final set of 100% design construction documents will be prepared. All construction documents will be stamped and signed by registered Florida Professional Engineers. Construction documents will then be submitted to FDEP for review and approval for compliance with funding requirements.

6.1 Process and Mechanical Design: W&C will finalize the full details for the process and mechanical design, prepare a set of specifications, and finalize detailed drawings for the new equipment, pumps, piping, valving, tanks, and chemical feed systems.

6.2 Electrical, Instrumentation, and Controls Design: W&C will prepare the E&IC specifications and finalize the detailed design drawings including drawings for control panels, one-line diagrams, site plan including grounding system, control panel design, power plans, control plans, wiring diagrams, cable tray layouts, HVAC, interior & exterior lighting, schedules, details, and emergency power.



6.3 Civil Design: W&C will finalize grading, site access and utilities design drawings. Design elements will consist of site clearing and preparation, site grading, site layout, site utilities, stormwater management, fencing, driveway, and walkways. The addition of impervious area is expected to be limited; however, any permitting associated with additional impervious area will be addressed in Phase 007 below.

6.4 Structural and Architectural Design: W&C will finalize detailed structural and architectural design. It is assumed that the design will include a new slab-on-grade metal building; new canopy structures for filter chemical feed, disinfection chemical feed, and solids handling; new foundations for the packaged treatment plants, and all associated equipment pads and submersible pump station foundations. It is assumed that no special foundations will be needed for this design such as piles or other deep foundations. The budget is based on the assumption that the geotechnical investigations will not find subsurface conditions requiring more expensive structural design. Design will include finalizing of technical specifications and drawings. Detailed architectural design and drawings related to the aesthetics and architectural aspects of the Operations Building will be finalized.

Fire protection of the Operations Building may include a sprinkler system, if required by code, that will be designed by a certified fire protection expert during construction. A performance specification will be prepared for sprinkler design, if needed.

6.5 HVAC and Plumbing Design: W&C will finalize HVAC and Plumbing design, prepare specifications, and finalize drawings for the Operations Building.

6.6 CMAR: W&C will coordinate regular design review meetings with the CMAR. Meetings are anticipated to occur on a biweekly basis, but frequency can be adjusted as needed and agreed to by all parties. Eight (8) 1-hour meetings have been budgeted for this phase.

6.7 Project Management (PM): This task occurs concurrently with all the steps outlined above and consists of all those tasks necessary to inform the City of the project's needs; monitor and control the design process; coordinate information and meetings; coordinate with subcontractors and in-house design staff; reach timely decisions to meet the project schedule; prepare reports to the Client on the progress of the project and status of schedule and budget; and provide technical oversight of project activities.

Meetings: W&C will attend the follow meetings which are included under the scope of this proposal:

- One (1) design review meeting to review the 90% Design drawings and specifications with City Staff, CMAR, and Operations personnel; and
- Regularly scheduled online design review meetings with CMAR as described above. Eight (8) 1-hour meetings have been budgeted for this phase.

6.8 Specifications: W&C will provide a complete set of Specifications that will be prepared to define the work, equipment, and materials to be performed and provided by the CMAR. This project will utilize Engineer's bidding and contractual (front-end) specifications based on the integrated Engineers Joint Contract Documents Committee (EJCDC) construction series



documents (specifically EJCDC CMAR-990), Florida bidding laws and regulations, and FDEP SAHFI funding requirements. General requirements and technical specifications will be Engineer master guide specifications based on Construction Specifications Institute standards (including MasterFormat) which are coordinated with the EJCDC bidding/contractual documents.

PHASE 007 – Permitting

Phase 007 will consist of preparing and submitting permitting applications required by state and federal requirements. An allowance has been allocated for such efforts. During Phase 003 Preliminary Design, the permitting effort for this project will be further refined. The Design Basis Report will include a list of anticipated permits for this project, which may the following:

- FDEP Application for a Wastewater Permit Application Form 2A for Domestic Wastewater Facilities,
- FDEP Application for a Minor Revision to a Wastewater Facility or Activity Permit for the deep injection well,
- South Florida Water Management District (SFWMD) Environmental Resource Permit (ERP) (if required),

All permitting fees will be paid for directly by the City.

SCHEDULE

The scope of work will be completed by W&C as indicated in the timeline noted below commencing from Authorization To Proceed (ATP) issued by the City.

PHASE	DESCRIPTION	ESTIMATED SCHEDULE TO COMPLETE
001	Preliminary Investigations	4 months from ATP
002	Construction Management Selection	3 months from ATP
003	Preliminary Design	4 months from completion of Phase 001
004	Packaged Plant Early Work Package	3 months from completion of Phase 003
005	Intermediate Design for GMP Development	5 months from completion of Phase 003
006	Final Design	4 months from completion of Phase 004
007	Permitting	5 months from completion of Phase 003



ASSUMPTIONS AND UNDERSTANDINGS

The following assumptions and understandings apply to the scope of work, schedule, and budget described herein.

1. The scope of this project is limited to the design of the City of LaBelle's new Wastewater Treatment Facility as identified in the Clean Water Facilities Plan. Upgrades to the collection system and associated lift stations are excluded from this scope.
2. This scope assumes that no additional survey, geotechnical, hydrogeological, or utility location is needed for the project design and permitting, beyond what is included in the Scope herein. If additional is required for final design or permitting beyond this scope, it will be completed by the Engineer or a sub-contractor + 10% fee basis, with City authorization.
3. Alternatives Evaluations: Alternative evaluations and process equipment selection was conducted as part of the CW Facilities Plan. Therefore, additional alternatives analysis will not be conducted as part of the design and will be excluded from the scope of this project.
4. Pre-Procurements & Pre-Selection: The scope herein is for a Construction Manager At Risk (CMAR) approach. Engineering services associated with pre-procurement, evaluated bids and pre-selection of process equipment, instruments and related appurtenances are not included as part of this scope. The Packaged Plant Early Work Package as identified herein is the only opportunity for pre-procurement that is currently scoped in this project.
5. Staffing: This scope does not include a staffing analysis, a criticality analysis, or recommendations for staffing levels.
6. Land Acquisition/Easements: This scope does not include fees or engineering associated with land purchase, sketch of descriptions, and easements (if applicable).
7. The scope does not include engineering services during construction or resident engineering services. This will be provided to the City under a separate Task Order prior to the construction phase of the project.
8. W&C is not conducting a field condition assessment or camera recording of the existing collection system or force mains.
9. The proposal assumes the City will provide access to all existing infrastructure being upgraded during this design effort.
10. The City will provide the most recent available record plans and collection system maps (as available).
11. All permitting fees shall be paid by the City.



12. Permitting for county and local permits required for construction will be applied for and obtained by the CMAR.
13. The design will be in accordance with City of LaBelle Design Standards, when available.
14. Permitting associated with re-rating the WWTF and deep injection well is excluded from this scope.
15. Attendance, participation, and presentations at public hearings or city council meetings are excluded from this scope of work.
16. Work associated with addressing third-party review is excluded from this scope of work. Time for coordination and collaboration with an Owners Project Manager is also excluded from this scope.
17. Preparation of cost estimates and construction schedules will be the responsibility of the CMAR and is excluded from this scope.
18. Testing of the deep injection well to confirm capacity is excluded from this contract.
19. This scope assumes effluent wastewater from the WWTF will be discharged to the existing deep injection well. As identified in the CW Plan, the deep injection well has capacity to handle the future average daily flow of 0.82 MGD and the existing peak hourly flow of 1.85 MGD. However, additional discharge capacity will be required in the future to achieve the projected peak daily flow of 2.46 MGD. Further evaluation and investigation is required to determine the best and most affordable option for the City. This evaluation is excluded from this contract. Should the City like to include the option to discharge to the existing rapid infiltration basins (RIBs) which are located approximately 3.5 miles away, an amendment will be required to confirm RIB capacity and design a new force main and pump station. Additional preliminary investigation services, such as survey and geotechnical evaluations, would also be required.
20. SCADA integration is excluded from this project. It is assumed that SCADA integration will be conducted by Woodard & Curran as part of a future contract.
21. This project involves repurposing the existing 8" PVC reuse force main from the existing WWTF effluent to the deep injection well located adjacent to the proposed WWTF location. It is assumed that the existing 8" PVC reuse force main does not require repair or rehabilitation. Design modifications to the force main is excluded from this contract. Design of odor control/mitigation of the force main is excluded as well.
22. The Citrus St. WWTF will remain in operation during the construction of the new WWTF to ensure treatment and operation is maintained throughout construction.

DELIVERABLES

The deliverables for this project consist of the following which will all be electronic documents unless otherwise noted:



1. Permitting applications and issued permits.
2. All Preliminary Investigative Work reports and drawings including Environmental Assessments, Subsurface Utility Engineering and Location, Surveys, Geotechnical Studies, and Hazardous Materials Assessment.
3. CMAR RFQ, RFQ Addendums, and RFQ Evaluation Tabulation
4. Draft and Final Design Basis Report with Preliminary Design Drawings
5. Packaged Plant Early Work Package
6. Intermediate Design Package for GMP Development
7. 90% Progress Drawings and Specifications
8. Final 100% Design Construction Drawings and Specifications

BUDGET

Compensation for the Engineering Services described herein will be based upon the following budget that is not to be exceeded without prior written authorization from the City:

Description of Work	Budget
Phase 001 – Preliminary Investigations	\$300,000
Phase 002 – Construction Management Selection	\$235,000
Phase 003 – Preliminary Design	\$669,000
Phase 004 – Packaged Plant Early Work Package	\$180,000
Phase 005 – Intermediate Design for GMP Development	\$1,383,000
Phase 006 – Final Design	\$773,000
Phase 007 – Permitting	\$100,000
Total Fee	\$3,640,000

All phases are lump sum and will be invoiced monthly on a percent complete basis.

TERMS AND CONDITIONS

The Scope of Services will be completed in accordance with the Master Professional Services Agreement for professional and/or engineering services (Agreement), dated May 22, 2023, between the City and Woodard & Curran, Inc.



CLOSING

We greatly appreciate this opportunity to offer our engineering services. If you accept this proposal and wish to proceed with the Scope of Services, please sign the below Authorization to Proceed and return a copy for our files.

Please feel free to contact me at 863-354-4416 or jdemello@woodardcurran.com if you have any questions regarding this proposal or require any further information.

Sincerely,

Woodard & Curran, Inc.

A handwritten signature in blue ink, appearing to read "J. deMello", is placed over a light blue rectangular background.

Justin F. deMello, PE
Vice President

PN: P235771.00

KLF

