

EXHIBIT A CONTRACT

BOARD OF COUNTY COMMISSIONERS
HERNANDO COUNTY, FLORIDA
PROFESSIONAL SERVICES AGREEMENT
NO. 25-RFQ00955/AP

THIS Agreement made and entered into this _____ day of _____, 20____, by and between HERNANDO COUNTY BOARD OF COUNTY COMMISSIONERS, 15470 Flight Path Drive, Brooksville, Florida, a political subdivision of the State of Florida, hereinafter called the County and McKim and Creed, Inc., 1365 Hamlet Ave, Clearwater, FL 33756 duly authorized to conduct business in the State of Florida, hereinafter called the Professional.

W I T N E S S E T H:

SECTION 1. The County does hereby retain the Professional to furnish certain services in connection with:

Engineering Services for Improvements to Gretna and Hexam Water Treatment Systems

SECTION 2. The Professional and the County mutually agree to furnish, each to the other, the respective services, information and terms as described in Exhibit "A", attached hereto and made a part hereof.

Before any additions or deletions to the work described in Exhibit "A", and before undertaking any changes or revisions to such work, the parties shall negotiate any necessary cost changes and shall enter into a supplemental written Agreement covering such modifications and the compensation to be paid therefor.

Reference herein to this Agreement shall be considered to include any supplement thereto.

Reference herein to County Administrator shall mean the Hernando County Administrator or its designee.

SECTION 3. The services indicated in Exhibit "A" to be rendered by the Professional shall be commenced, subsequent to the execution of this Agreement, upon written notice from the Hernando County Administrator or its designee and shall be completed within thirty (30) months from the date of issuance of the Purchase Order or Notice to Proceed.

SECTION 4. The Professional shall provide project schedule progress reports in a format acceptable to the County, either monthly or at intervals established by the County. The County will be entitled at all times to be advised, at its request, as to the status of work being done by the Professional and of the details thereof. Coordination shall be maintained by the Professional with representatives of the County. Either party to the Agreement may request and be granted a conference.

SECTION 5. In the event there are delays on the part of the County as to the approval of any of the materials submitted by the Professional, as if there are delays occasioned by circumstances beyond the control of the Professional which delay the project schedule completion date, the County shall grant to the Professional, by "Letter of Time Extension" an extension of the contract time, equal to the aforementioned delays, provided there are no changes in compensation or scope of work, except those changes that may be agreed upon between the parties hereto.

It shall be the responsibility of the Professional to ensure at all times that sufficient contract time remains within which to complete all services on the project. In the event there have been delays that would affect the project completion date, the Professional shall submit a written request to the County that identifies the reason(s) for the delay and the amount of time related to each reason. The County shall timely review the request and make a determination as to granting all or part of the requested extension.

In the event contract time expires and the Professional has not requested, or if the County has denied an extension of the completion date, partial progress payments will be stopped on the date time expires. No further payment for the project will be made until a time extension is granted or all work has been completed and accepted by the County.

SECTION 6. The Professional shall maintain an adequate and competent professional staff within the State of Florida and may associate with specialists, sub-professionals, or other professionals, for the purpose of its

services hereunder, without additional cost to the County. Should the Professional desire to utilize other specialists, sub-professionals, or Professionals in the performance of the work, the Professional shall be responsible for satisfactory completion of all such specialists', sub-professionals' or other professionals' work, and may not assign or transfer work under this Agreement to other specialists, sub-professionals, or professionals unless approved in writing by the County. It is agreed that only specialists, sub-professionals, or other professionals which have been approved by an authorized representative of the County will be used by the Professional. It is also agreed that the County will not, except for services so designated herein, or as may be approved by the County, if applicable, permit or authorize the Professional to perform less than the total contract work with other than its own organization.

SECTION 7. All final plans, documents, reports, studies, and other data prepared by the Professional will bear the endorsement of a person in the full employ of the Professional and duly registered in the appropriate professional category.

a) After the County's acceptance of final plans and documents, the Professional shall provide to the County a reproducible form of the Professional's drawings, tracings, plans, and maps. Upon completion of construction by the contractor, the Professional shall furnish acceptable field verified "record drawings" of full-size prints. The Professional shall signify, by affixing an appropriate endorsement, on every sheet of the record sets, that the work shown on the endorsed sheets was reviewed by the Professional. With the tracings and the record sets of prints, the Professional shall submit three (3) final sets of operation and maintenance manuals.

b) The Professional shall not be liable for use by the County of said plans, documents, studies, or other data for any purpose other than stated in the Scope of Services, Exhibit "A" of this Agreement.

SECTION 8. All tracings, plans, specifications, maps, surveys, field survey notes, and reports prepared or obtained under this Agreement shall be considered works made for hire and shall become the property of the County restricted to the terms of (7) above; and the Professional shall make available to the County reproducible copies, upon County's request, at direct printing costs, at any time during the period of this Agreement. The County has the right to visit the site for inspection of the work and the drawings of the Professional at any time. Unless changed by written Agreement of the parties, said site is the address of the Professional's firm. The Professional shall maintain records of costs incurred under the terms of this Agreement; Professional shall make such records available to the County upon County's request at all times during the period of this Agreement and for five (5) years after final payment is made. The Professional shall furnish copies of these documents and records to the County, upon County's request, at direct printing cost.

Records of costs incurred includes the Professional project accounting records together with supporting documents and records of the Professional and all specialists, sub-professionals and other professionals performing work on the project, and all other records of the Professional and specialists, sub-professionals and other professionals considered necessary by the County for a proper audit of project costs.

Whenever travel costs are included in Exhibit B, the provisions of Section 112.061, Florida Statutes (2025), shall govern as to reimbursable costs.

The Professional shall furnish to the County at direct printing cost all final work documents, papers, and letters, or any other such materials which may be subject to the provisions of Chapter 119, Florida Statutes (2025), made or received by the Professional in conjunction with this project. Failure by the Professional to provide such records shall be grounds for immediate unilateral cancellation of the Agreement by the County.

SECTION 9. The Professional shall comply with all federal, state, and local laws and ordinances applicable to the work or payment thereof, and shall not discriminate on the grounds of race, color, religion, sex, or national origin in the performance of work under this Agreement.

SECTION 10. The County shall pay the Professional compensation as detailed in Exhibit B, attached hereto and made a part hereof. Unless otherwise agreed to, this is a lump sum contract. No additional fees or expenses will be paid by the County.

SECTION 11. The Professional is employed to render a professional service only, and payments made to the Professional are compensation solely for such services rendered and recommendations made in carrying out the work. The Professional shall perform and complete all work in a workmanlike manner to the best of its abilities and in accordance with sound engineering and professional consulting practices and principles.

In performing construction phase services, the County may ask the Professional to act as agent of County. The Professional's review or supervision of work prepared or performed by other individuals or firms employed by the County shall not relieve those individuals or firms of complete responsibility for the adequacy of their work.

SECTION 12. The County may terminate this Agreement in whole or in part at any time the interest of the County requires such termination.

- a) If the County reasonably determines that the performance of the Professional is not satisfactory, the County shall have the option of:
 - 1) immediately terminating this Agreement and paying the Professional for work reasonably satisfactorily performed hereunder through the date of termination;
 - 2) notifying the Professional of the deficiency, with a requirement that the deficiency be corrected within a reasonable specified time, otherwise the Agreement will be so terminated at the end of such time, and the Professional shall be paid for work satisfactorily completed to such specified date.
- b) If the County requires termination of the Agreement for reasons other than unsatisfactory performance of the Professional, the County shall notify the Professional of such termination and specify the state of work at which time the Agreement is to be terminated, and the Professional shall be entitled to receive payment of all work reasonably satisfactorily performed hereunder through the date of termination. An allowance for satisfactory work in progress but not yet completed shall be made.
- c) If the Agreement is terminated before performance is completed, the Professional shall be paid for work satisfactorily performed. Payment is to be on the basis of substantiated costs, not to exceed the percentage of the work performed.

SECTION 13. Adjustment of compensation and contract time because of any major changes in the work that may become necessary or desirable as the work progresses shall be left to the absolute discretion of the County and supplemental agreements of such a nature as required may be entered into by the parties in accordance herewith.

SECTION 14. All words used herein in the singular form shall extend to and include the plural. All words used in the plural form shall extend to and include the singular. All words used in any gender shall extend to and include all genders.

SECTION 15. The Professional shall procure and maintain professional liability insurance for protection from claims arising out of performance of professional services caused by a negligent error, omission, or act for which the insured is legally liable; such professional liability insurance will provide coverage in the amount of \$1,000,000 min. Proof of insurance shall be provided to the County upon execution of this Agreement.

Additionally, the Professional shall procure and maintain commercial general liability insurance in the amount of \$1,000,000/\$2,000,000; \$1,000,000 for auto; and statutory amounts for worker's compensation coverage whenever Professional enters County property.

The Professional will also cause specialists and sub-professionals retained by Professional for the project to procure and maintain comparable professional liability insurance coverage. Before commencing the work, the Professional shall furnish the County certificates showing compliance with this section (Exhibit C). *Said certificates shall provide that policies shall not be changed or canceled until thirty days prior written notice has been given to the Count.; Additionally, Hernando County shall be named as additional insured as to commercial general liability; and Certificate Holder must read: Hernando County Board of County Commissioners.*

SECTION 16. The Professional warrants that he has not employed or retained any company or person, other than a bona fide employee working solely for the Professional, to solicit or secure this Agreement, and that he has not paid or agreed to pay any person, company, corporation, individual or firm any fee, commission, percentage, gift, or any other consideration, contingent upon or resulting from the award or making of this Agreement. It is understood and agreed that the term "fee" shall also include brokerage fee, however denoted. For the breach of violation of this section 16 the County shall have the right to terminate this Agreement without liability and, at its discretion, to deduct from the contract price, or otherwise recover, the full amount of such fee, commission, percentage, gift, or consideration.

SECTION 17. Unless otherwise required by law or judicial order, the Professional shall make no statements, press releases, or publicity releases concerning this Agreement or its subject matter or otherwise disclose or

permit to be disclosed any of the data or other information obtained or furnished in compliance with this Agreement, or any particulars thereof, during the period of the Agreement, without first notifying the County and securing its consent in writing. The Professional shall not publish, copyright, or patent any of the site-specific data furnished in compliance with this Agreement; it being understood that, under section 8 hereof, such data or information is the property of the County. This does not include materials previously or concurrently developed by the Professional for "in house" use. Only data generated by Professional for work under this Agreement shall be the property of the County.

SECTION 18. Standards of Conduct - Conflict of Interest - The Professional and its employees shall be bound by the standards of conduct provided in Section 112.313, Florida Statutes (2025) as it relates to work performed under this Agreement, which standards are hereby incorporated and made a part of this Agreement as though set forth in full. The Professional agrees to incorporate the provisions of this section in any subcontract into which it might enter with reference to the work performed.

SECTION 19. The County reserves the right to suspend, cancel, or terminate the Agreement in the event one or more of the Professional's corporate officers is indicted or has a direct information issued against him for any crime arising out of or in conjunction with any work being performed by the Professional for or on behalf of the County under this Agreement without penalty. It is understood and agreed that in the event of such termination, that the Professional shall immediately deliver to the County reproducible copies of all tracings, plans, specifications, maps, and data prepared or obtained under this Agreement in conformity with the provisions of section 8 hereof. The County shall compensate the Professional for its services rendered up to the time of any such termination in accordance with section 12 hereof. The County also reserves the right to terminate or cancel this Agreement in the event the Professional is placed in either voluntary or involuntary bankruptcy or an assignment is made for the benefit of creditors. The County further reserves the right to suspend the qualifications of the Professional to do business with the County upon any such indictment or direct information. In the event that any such person against whom any such indictment or direct information is brought has the indictment or direct information dismissed or is found not guilty, such suspension on account hereof shall be immediately lifted by the County Administrator.

SECTION 20. Professional shall indemnify and hold harmless the County and its officers and employees from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of Professional and other persons employed or utilized by Professional in the performance of this Agreement.

SECTION 21. All notices required to be served on the Professional shall be served by registered or certified mail, return receipt requested, to Professional's address and all notices required to be served upon the County shall be served by registered or certified mail, return receipt requested, addressed to the County Administrator, Hernando County Board of County Commissioners, 15470 Flight Path Drive, Brooksville, FL 34604.

SECTION 22. Hernando County has the right to audit the Professional's records, as such records relate to equipment, goods or services and expenditures therefor, with respect to this Agreement. Such audits may be conducted by a representative of the County, and such records include, but are not limited to: all books, records, and memoranda of every description pertaining to the work under this Agreement.

Hernando County has the right to reproduce any of the aforementioned documents pertaining to the work under this Agreement.

SECTION 23. Unless otherwise required by law, this Agreement is governed by and shall be construed in accordance with the laws of the State of Florida. Venue for any dispute arising from this Agreement shall be litigated in the appropriate court in Hernando County, Florida, or the United States District Court, Middle District of Florida. IN ANY LITIGATION ARISING FROM THIS AGREEMENT, THE PARTIES SHALL BEAR THEIR OWN COSTS AND ATTORNEYS' FEES. THE PARTIES HEREBY WAIVE THE RIGHT TO A JURY TRIAL IN ANY LITIGATION.

SECTION 24. E-VERIFY.

Professional is advised that the County has entered into an agreement with U.S. Immigration and Customs Enforcement (ICE) wherein the County will, in part, seek to promote the principles of ethical business conduct, prevent the knowing hiring of unauthorized workers through self-governance, and encourage voluntary reporting of the discovery of unauthorized workers to ICE (the IMAGE agreement). Accordingly, by entering into this Agreement, the Professional represents and warrants: (a) that the Professional is in compliance with all applicable

federal, state and local laws, including, but not limited to, the laws related to the requirement of an employer to verify an employee's eligibility to work in the United States; (b) that all of the Professional's employees are legally eligible to work in the United States; and (c) that the Professional has actively and affirmatively verified such eligibility utilizing the Federal Government's Employment Verification Eligibility Form (I-9 Form).

A mere allegation that the Professional intends to use or currently uses unauthorized workers may not be a basis to delay the County's award of this Agreement to the Professional unless such an allegation has been determined to be factual by ICE pursuant to an investigation conducted by ICE prior to the date this Agreement is scheduled to be awarded by the County.

Legitimate claims that the Professional uses unauthorized workers must be reported to both of the following agencies:

- (i) The County's Procurement Department at (352) 754-4020; and
- (ii) ICE (Immigration and Customs Enforcement) at 1-866-DHS-2-ICE

In the event it is discovered that the Professional's employees are not legally eligible to work in the United States, then the County may, in its sole discretion, do any or all of the following: (a) demand that the Professional cure this deficiency within a specified time frame; (b) immediately terminate this Agreement without any cost or penalty to the County; (c) debar the Professional from bidding on all County contracts for a period up to twenty-four (24) months; (d) take any and all legal action deemed necessary and appropriate.

The Professional is encouraged (but not required) to incorporate the following IMAGE Best Practices into its business and, when practicable, incorporate verification requirements into its agreements with subcontractors:

1. Use the Department of Homeland Security employment eligibility verification program (E-Verify) to verify the employment eligibility of all new hires.
2. Use the Social Security Number Verification Service and make good faith effort to correct and verify the names and Social Security numbers of the current workforce.
3. Establish a written hiring and employment eligibility verification policy.
4. Establish an internal compliance and training program related to the hiring and employment verification process, to include, but not limited to, completion of Form I-9, how to detect fraudulent use of documents in the verification process, and how to use E-Verify and the Social Security Number Verification Service.
5. Require the Form I-9 and E-Verify process to be conducted only by individuals who received appropriate training and include secondary review as to each employee's verification to minimize the potential for a single individual to subvert the process.
6. Arrange for annual Form I-9 audits by an external auditing firm or a trained employee not otherwise involved in the Form I-9 process.
7. Establish a procedure to report to ICE credible information of suspected criminal misconduct in the employment eligibility verification process.
8. Establish a program to assess sub-contractors' compliance with employment eligibility verification requirements. Encourage contractors to incorporate the IMAGE Best Practices contained in this section and, when practicable, incorporate the verification requirements in subcontractor agreements.
9. Establish a protocol for responding to letters received from federal and state government agencies indicating that there is a discrepancy between the agency's information and the information provided by the employer or employee; for example, "no match" letters received from the Social Security Administration.
10. Establish a tip line mechanism (inbox, e-mail, etc.) for employees to report activity relating to the employment of unauthorized workers, and a protocol for responding to employee tips.
11. Establish and maintain appropriate policies, practices, and safeguards against use of the verification process for unlawful discrimination, and to ensure that U.S. citizens and authorized workers do not face discrimination with respect to hiring, firing, recruitment, or referral for a fee because of citizenship status or national origin.
12. Maintain copies of any documents accepted as proof of identify and/or employment authorization for all new hires.

SECTION 25. INTERPRETATION

This Agreement shall not be construed for or against any party hereto, regardless of which party is wholly or partly responsible for its drafting.

SECTION 26. TRAVEL

If the Professional requests travel and subsistence reimbursement, it shall comply with Section 112.061, Florida Statutes (2025).

SECTION 27.

Attachments:

Exhibit "A" Scope of Services

Exhibit "B" Compensation and Method of Payment

Exhibit "C" Certificate of Insurance

Exhibit "D" Notice to Proceed

IN WITNESS WHEREOF, the parties hereto have caused these present to be executed, the day and year first above written.

(SEAL)

BOARD OF COUNTY COMMISSIONERS
HERNANDO COUNTY, FLORIDA

Attest: _____ Date: _____
Douglas A. Chorvat, Jr., Clerk of Circuit Court

_____ Date: _____
Jerry Campbell, Chairman

McKIM & CREED, INC.

Witness 

By 
Robert Garland, PE
Regional Director

**APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:**

By: Melissa Tartaglia
County Attorney's Office

Exhibit "A" Scope of Services

Hernando County
Improvements to Gretna and Hexam Water Treatment Systems RFQ No. 25-RFQ0095/AP
Scope of Services

November 7, 2025

PROJECT DESCRIPTION

The Improvements to Gretna and Hexam Water Treatment Systems project (Project) includes improvements to both the County's raw water supply and the potable water distribution. The Project includes construction of five water supply wells, four at the new Centralia Well Field and one at the Gretna WTP site. A raw water transmission main will be constructed to convey the water from Centralia Well Field to the Hexam WTP. The proposed water supply well at the Gretna WTP will be manifolded into the existing raw water supply pipe that currently pumps into the onsite ground storage tank. Other improvements at the Gretna WTP include the construction of a second 2MG precast concrete ground storage tank and the associated yard piping to connect this new tank to the facility's current raw water supply. To eliminate the existing bottleneck in the potable water distribution system leaving the Gretna WTP, a new potable water transmission main will be constructed from the WTP to Spring Hill Dr. with an intermediate connection at Lema Dr.

SCOPE OF SERVICES

McKim & Creed (Consultant) shall perform the following tasks under this scope of services. Note that at this time, two potential routes for the raw water transmission main have been discussed with the County. Option 1 would use the Duke Energy corridor to route the transmission main from the Centralia wellfield to Hexam Rd. and then west along Hexam Rd. to the WTP. Option 2 would use public right-of-way to route the transmission main from the Centralia wellfield to the Hexam WTP. It should be noted that for Option 1, the County already has an easement on the east side of the Duke Energy corridor for installation and maintenance of two utility pipelines. A County owned 16-inch sewer force main is already installed within the easement.

A Technical Memorandum will be prepared to discuss the routes available for the Centralia wellfield raw water transmission main. Refer to subsequently identified Task 7 – Preliminary Design. Based on the findings and recommendations within this Technical Memorandum, it is the Consultant's understanding that the County will provide direction as to which of the two options for the Centralia wellfield raw water transmission main will be used for the design.

TASK 1. PROJECT MANAGEMENT, ADMINISTRATION AND MEETINGS

This task includes project setup and project management plan, management of sub-consultants, client and internal team project kickoff meetings, general communication and coordination with the County and team members, monthly progress reports and invoicing, and project close-out including delivery of electronic data and records obtained and produced during the project.

Task 1 also includes monthly project meetings (in person and virtual) with the County to discuss project status, schedule and upcoming issues and needs and in-person design review meetings with the County staff to review progress on the project, discuss the work being performed, and address assumptions and decisions made by the project team. The design review meetings will follow the County's review of the draft Preliminary Design Report, the 60%, 90%, and Issued-for-Bid design submittals.

This task also includes attending two (2) public information meetings conducted by the County. It is anticipated the first meeting will be held during the preliminary design phase and the second meeting will be scheduled after award of the construction contract(s), but prior to start of construction and will be attended by the County, Consultant, and the selected contractor(s). Consultant will assist the County with development of informational materials utilizing easily understood language and infographics.

TASK 2. DATA COLLECTION AND REVIEW

Consultant will coordinate with the County to obtain information that will be used to assist with the design of the improvements. Data requested from the County may include, but not be limited to: record drawings and GIS shapefiles of the existing utilities, including water transmission mains from the Gretna WTP to Spring Hill Dr. and sanitary and storm water infrastructure within the project area; record drawings of the Gretna and Hexam WTPs; current and any proposed changes to the land use classification and zoning for the proposed Centralia wells; prior site investigations including boundary and topographic surveys; recorded easements; environmental site assessments; wetland delineations; and geotechnical investigations.

TASK 3. SURVEY

Consultant will perform survey services in support of engineering design for the limits of the project. Survey services shall be performed under the direction and control of a Florida Professional Surveyor and Mapper in accordance with the Standards of Practice requirements of Chapter 5J-17 of the Florida Administrative Code, pursuant to Section 472.027, Florida Statutes. Survey work to include the following:

- Limits of this topographical survey shall be described as follows. For the water transmission main routes along public right-of-way, the survey shall be from right-of-way to right-of-way, except areas along and/or near the right of way with dense tree/foliage coverage. For these areas, topographic survey to be to the tree/foliage line. For the raw water transmission main route along the Duke Energy corridor, the survey shall be from the outside edge of the corridor to the closest leg of the power utility towers or poles. Applicable methodology for

topographic collection, i.e. traditional location, GPS, and LiDar applications shall be at the discretion of the Consultant and sufficient detail shall be provided within the surveyor's report to convey expected accuracy and project specific information.

Raw Water Transmission Main – Option 1 (Figure 1)

- Duke Energy corridor from the wellfield to Hexam Rd.
- Hexam Rd. from the Duke Energy corridor to Melanie Ave.
- Melanie Ave. from Hexam Rd. to the Hexam WTP site.

Raw Water Transmission Main – Option 2 (Figure 2)

- Albany Rd. from the wellfield to Celeste Ave.
- Seneca Rd. from the wellfield to Celeste Ave.
- Barnevelde Rd. from the wellfield to Celeste Ave.
- Celeste Ave. from Albany Rd. to Snowy Plover Ave.
- Snowy Plover Ave. from the wellfield to English Sparrow Rd.
- English Sparrow Rd. from Snowy Plover Ave. to Ruffed Grouse Rd.
- Ruffed Grouse Rd. from English Sparrow Rd. to Leilani Dr.
- Leilani Dr. from Ruffed Grouse Rd. to Centralia Rd.
- Centralia Rd. from Leilani Dr. to Harris Hawk Rd.
- Harris Hawk Rd. from Centralia Rd. to Papercraft Ave.
- Papercraft Ave. from Harris Hawk Rd. to Marvel Woods Rd.
- Marvel Woods Rd. from Papercraft Ave. to Hexam Rd.
- Hexam Rd. from Marvel Woods Rd. to Melanie Ave.
- Melanie Ave. from Hexam Rd. to the Hexam WTP site.

Only one raw water transmission main route will be surveyed. The route to be surveyed, Option 1 or Option 2, will be determined by the County based on the findings and recommendations in the Centralia wellfield Transmission Main Alignment Technical Memorandum prepared in Task 7.

Potable Water Transmission Main (Figure 3)

- Gretna Dr. to Lema Dr.
- Lema Dr. from Gretna Dr. to Spring Hill Dr.

Centralia well sites - parcels R22 421 18 0000 0050 0020 and R22 421 18 0000 0050 0010.
Survey will be limited to no more than a 10,000 sf area (200' x 50') for each of the four wells.

Gretna WTP site for the proposed ground storage tank and well

- Establish Project Control: The surveyor will establish sufficient project control (horizontal & vertical) to provide XYZ data within the project limits. Horizontal control will be referenced to the Florida State Plane Coordinate System, Florida West Zone, North American Datum (NAD) of 1983/2011 adjustment. Vertical control will be referenced to the North American

Vertical Datum of 1988 (NAVD88). Four (4) permanent near site monuments will be established to assist with future construction.

- Perform a topographic survey with the following requirements:
 - Visible surface improvements including buildings, asphalt and concrete surfaces, curbs, driveways, sidewalks, fences, and walls (include size and material), ditches, drainage and sanitary sewer structures, and above ground utility features including overhead lines.
 - Trees 4" diameter and greater at breast height (sizes measured 4.5 ft above ground level). Record trunk diameters. Identify as deciduous, evergreen, or palm.
 - Significant landscape features including hedges and planters.
 - Sufficient elevation data to create a digital terrain model for design purposes, including apparent grade breaks.
 - Water elevations with time and date for lakes, streams, and ponds.
 - Drainage structures: record structure type, rim/lid/headwall elevation, bottom elevations, and throat inverts. Record pipe sizes, materials, and invert elevations.
 - Sanitary sewer structures: record structure type, rim elevation. Recording the pipe size, materials, and invert elevations, are not a part of this proposal.
- Utilizing field mapped features, visible right-of-way monumentation, documentation and County GIS data, generate approximate right-of-way lines within the project limits, and generate virtual, non-monumented geometry lines (survey baselines) for each major route of the survey. These geometry lines will be a "best-fit" of these routes but should not be construed to be a historical alignment retracement. Any historical retracement of alignments shall be considered outside of this scope of services.
- Property Appraiser's database ownership and date data obtained will be shown within the project area.
- In the event of unforeseen access / safety issues, the surveyor will provide data that can be readily / safely acquired. Structures / entities or confined spaces that require lane closure, maintenance of traffic, or confined space entry shall be considered outside the scope of services.
- Perform property boundary survey for the two (2) Centralia wellfield sites (parcels R22 421 18 0000 0050 0010 and R22 421 18 0000 0050 0020). The boundary survey maps will be certified and meet the standards of practice set forth by the Florida Board of Professional Surveyors and Mappers in Chapter 5J-17 of the Florida Administrative Code.
- Boundary survey of the Gretna WTP site is not included in this scope of services but can be provided as additional services when authorized by the County.

Survey services include staking the locations of the proposed soil borings at the Gretna WTP site and at the Centralia wellfield site as discussed in Task 4 and collecting the locations of the vertical and horizontal locations discussed in Task 5. Survey services do not include tree survey or wetland delineation and survey. These services can be performed separately by the Consultant if the additional services are authorized by the County.

TASK 4. GEOTECHNICAL INVESTIGATION

Perform geotechnical investigation obtain information regarding subsurface soil conditions for the design of the foundations for the ground storage tank, well houses, and standby generator pad; the design of the potable water and raw water transmission mains; and the design of the expansion to the storm water retention pond at the Gretna WTP. The geotechnical investigation will also include two 100 feet deep borings in proximity of the proposed water supply wells to investigate the depth to limestone at the proposed well locations.

The geotechnical scope of services includes:

- A. Review of available data including soil information from:
 - The “Soil Survey of Hernando County, Florida” published by the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS)
 - Available geotechnical soil boring data in the vicinity of the proposed GST, retention pond, well sites, and pipe alignments and, if appropriate, use the data to supplement the proposed geotechnical exploration.
- B. Perform a site reconnaissance to ascertain site access and establish a geotechnical field investigation plan. Perform clearing operations necessary to access boring locations with truck-mounted equipment.
- C. Should the proposed raw water transmission main require geotechnical investigation within the Duke Energy power corridor, the Geotechnical subconsultant will coordinate with Duke Energy to gain permission to perform soil investigations within the power company’s corridor. All fees associated with accessing the Duke Energy corridor are not included in this scope of work and shall be paid directly by the County. No soil borings will be made on private property.
- D. Perform Ground Penetrating Radar (GPR) surveys within the area of the proposed 52-foot radius GST and the two well sites. The GPR data will be evaluated for potential anomalies. Should anomalies be identified, the Geotechnical Engineer may recommend additional soil borings in the vicinity of the anomalies which would be performed as additional services.
- E. Execute a program of subsurface sampling and field testing as follows:
 - One (1) Ground Storage Tank (GST): Five (5) SPT borings to a depth of 85 feet.
 - One (1) Retention Pond: One (1) double-ring infiltration test.
 - 43,000 Linear Feet (LF) of Water Main: Forty-five (45) hand augers (approximately one hand auger boring every 1000-feet along the pipe alignment) to a depth of 10 feet or to a depth at which the bore hole collapses due to groundwater or refusal is encountered.
 - Ten (10) Jack and Bore Pits: Ten (10) SPT Borings to a depth of 30 feet below grade.
 - Two Well Sites: Two (2) SPT Borings to a depth of 100 feet

The SPT soil sampling will be performed in accordance with the American Society for Testing and Materials (ASTM) test designation D-1586. Typically, SPT resistance N-values will be taken continuously to a depth of 10 feet and on 5-foot intervals thereafter.
- F. Measure Groundwater Table (GWT) levels and estimate the Seasonal High Groundwater Table (SHGWT) at select locations.
- G. Classify and stratify the soil samples encountered in accordance with the Unified Soil Classification System.

- H. Conduct laboratory testing on select soil samples to confirm the visual classification and estimate engineering properties. It is anticipated that the following tests will be performed.
- Single Sieve Grain Size Analysis Tests
 - Atterberg Limits Tests
 - Organic Content Tests
 - Natural Moisture Content Tests
- H. Prepare a geotechnical report that summarizes the course of study pursued, the field data generated, laboratory test results, subsurface conditions encountered and geotechnical considerations. The report will include a boring location plan and soil boring profiles that graphically depict the soil and groundwater conditions encountered; the feasibility of utilizing shallow and/or deep foundations for support of the proposed GST; and design parameters required for the anticipated foundations including allowable bearing pressures, foundation levels and soil compaction recommendations. The final report will be signed and sealed by a Geotechnical Engineer.

TASK 5. SUBSURFACE UTILITY ENGINEERING (SUE) SERVICES

Consultant will utilize existing record drawings, pipe and cable locators, along with SUE to identify potential underground conflicts associated with the project. Consultant will perform SUE Quality Level B (QLB) designation and ground penetrating radar (GPR) to assist with identifying potential underground conflicts. For budgeting purposes, we have assumed ten (10) field days to perform the QLB investigation based on the ability to designate approximately 2000 ft of utility per day. Consultant will also perform SUE Quality Level A (QLA) locates to verify vertical and horizontal (vVH) locations of the conflicts to assist with the design. For budgeting purposes, we have assumed no more than fifty (50) vVH locates will be required.

Maintenance of traffic (MOT) with complex setups and road closures to perform SUE services are not included in this scope of services. Should such MOT be required, the design and permitting of the MOT can be performed as additional services once agreed to by the County.

TASK 6. WELL CONSTRUCTION OBSERVATION AND REPORTING

Consultant's hydrogeologist will be on site part time during construction of the wells. For budgeting purposes, well construction and testing are estimated to take twelve (12) months to complete. The hydrogeologist will review drill cuttings collected during drilling of the borehole, confirm the projected casing depths, observe the setting and cementing of the primary casing, perform specific capacity tests and collect groundwater samples at 50-ft intervals to the bottom of the well. The samples will be analyzed in the field for specific conductivity. Hydrologist will recommend a total well depth based on site-specific hydrogeologic conditions. The hydrogeologist will monitor conformance with the well construction specifications, provide notes of drilling activities, and provide communication of site activities to the project manager. Assistance with review of well driller's monthly pay requests will also be provided.

Consultant's hydrologist will prepare a Well Construction and Testing Report that provides a description of the well construction activities, lithologic logs, geophysical logs, pump test procedures and results, and water-quality analyses. A hydrogeologic evaluation of the site

based on the test results will also be provided. The evaluation will be based on aquifer hydraulic characteristics and water-quality data. Separate reports will be prepared – one for the Gretna well and one for the four Centralia wells. Draft reports will be submitted to the County for review. County comments/questions received will be addressed in the final reports submitted in electronic format.

TASK 7. PRELIMINARY DESIGN

The preliminary design scope of services includes:

- A. Consultant will prepare two (2) Transmission Main Alignment Technical Memoranda, one for the Gretna to Spring Hill Dr. potable water transmission main and the other for the Centralia wellfield raw water transmission main. Using aerials, information obtained in Task 2, and information received from private utilities, Consultant will:
 - Identify the limits of the Gretna WTP transmission main, i.e., connection points to the existing potable water transmission main at the Gretna WTP, at Lema Dr., and at Spring Hill Dr.
 - Identify the recommended alignment of the 16-inch and 20-inch potable water main from the Gretna WTP to Spring Hill Dr.
 - Identify the recommended alignment of the 10-inch, 16-inch and 20-inch raw water main from the Centralia wellfield to the Hexam Rd. WTP. For budgeting purposes, Consultant assumes no more than three (3) transmission main routes will be evaluated.
 - Identify methods of construction to be used for the transmission mains (i.e., open cut, horizontal directional drill, jack and bore) and approximate limits for each method of construction.
 - Identify locations of concern, i.e. locations that may impact wetlands, locations that may require temporary or permanent easements for construction, locations that may require extensive maintenance of traffic (MOT) for construction.

Each Technical Memorandum will be submitted to the County for review and approval. If necessary, a meeting with the County will be scheduled to review each Technical Memorandum. The Technical Memoranda and comments/direction from the County will be incorporated into the subsequent Preliminary Design Report. Note that the Transmission Main Alignment Technical Memoranda will be prepared prior to the completion of the topographic survey and SUE. As such, should it be determined that adjustments to the alignment are necessary based on new information obtained by the survey, the Consultant will notify the County of the necessary changes. For the Centralia Wellfield raw water transmission main, the Technical Memorandum will be used by the County in making its decision regarding which route option, Option 1 or Option 2, is to be used by the Consultant to proceed the design.

The two (2) Technical Memoranda are intended to provide all stakeholders the opportunity to make critical decisions needed to define the design at the initial stage of the project. With the County's approval of the Technical Memoranda, the topographic surveys, SUE and geotechnical investigations will proceed.

- B. Prepare a Preliminary Design Report (30% design): The Preliminary Design Report (PDR) will incorporate the agreed to recommendations in the above mentioned Technical Memoranda and further development of the transmission main designs including identification of easements, MOT and detour concepts, identification of private utilities along the proposed transmission main alignment, and potential staging areas for pipe.

The PDR will also include the preliminary design for the facility improvements at the Gretna WTP, the Centralia wellfield, and the Hexam WTP. Using aerials, information obtained in Task 2, and information from the Well Construction and Testing Reports, if available (Task 6), Consultant will identify site access, well pump capacities, primary power and standby power requirements at the Centralia wellfield; modifications to primary power and standby power requirements to accommodate the new well at the Gretna WTP; well house building construction; major equipment selection; changes to the instrumentation and controls at the Gretna and Hexam WTPs to accommodate the proposed changes to these two facilities; communication alternatives for the Centralia well field; ground storage tank design and location at the Gretna WTP; stormwater pond modifications at the Gretna WTP; chemical feed/storage system modifications at the Gretna and Hexam WTPs; and permitting requirements.

The PDR will include preliminary transmission main plan sheets (1"=20' scale) using aerials for the background; preliminary process flow diagrams (PFDs), process and instrumentation drawings (P&IDs) site plans, yard piping plans, plan and sections for the ground storage tank and well houses, and electrical single line diagrams; identification/discussion regarding permit requirements, technical specification table of contents, and Association for the Advancement of Cost Engineering (AACE) Class 4 opinion of probable construction cost (OPCC).

A draft PDR will be submitted electronically for the County's review. A review meeting will be conducted with the County to discuss the County's comments and questions. Following the review meeting, Consultant will revise the PDR to address the County's comments and questions. Consultant will issue a final PDR. The final PDR will be included in the permit application submittal package required by the FDEP.

TASK 8. DESIGN PHASE SERVICES

The following design phase services will be provided:

- A. Design of five (5) vertical turbine well pumps (four for the Centralia wells and one for the new Gretna well), well head piping, and pump controls. Pump controls will use the County standard by Data Flow Systems.
- B. Design of five (5) new well house buildings to house new raw water supply well(s), well pumps, pump controls and electrical switchgear. Well house buildings will be similar to the well house buildings recently designed for the Wiscon WTP wells. Consultant will coordinate with the local power utility company (Withlacoochee River Electric Cooperative) for the extension of power to each well house at the Centralia well field. Design of the

power extension shall be by Withlacoochee River Electric Cooperative and all costs associated with the design and extension of power to the wells shall be the responsibility of the County.

- C. Standby (emergency) power at the Centralia well field is not required. However, each power panel should include a receptacle for a portable generator.
- D. Design of one 2 MG prestressed concrete ground storage tank (GST). The GST will be located adjacent to, and of similar design as the existing GST at the Gretna WTP site.
- E. Design the yard piping to connect the proposed Gretna well to the GST influent pipe and to connect the proposed GST to the existing high service pump suction manifold.
- F. Design the yard piping to connect the Centralia well field raw water transmission main to the existing Hexam GST influent pipe. The design will include provisions for a connection to a future GST to be constructed nearby. Consultant assumes improvements to the existing sodium hypochlorite feed system at the Hexam WTP are not required at this time and as such, not included in this scope of services.
- G. Design an above grade sodium hypochlorite injection point on the raw water pipe upstream of the proposed GST at the Gretna WTP and the extension of the existing sodium hypochlorite feed piping to the injection point. Consultant will evaluate the ability of the existing chemical feed system at the Gretna WTP to accommodate the additional feed point and, if necessary, design modifications to the existing chemical feed system to accommodate the additional feed point. Consultant assumes modifications, if any, are limited to new or expanded sodium hypochlorite feed pump skid and yard piping to connect the chemical feed to the raw water influent pipe adjacent to the proposed GST.
- H. At this time, improvements and/or modifications to the high service pump stations at the Gretna and Hexam WTPs are not anticipated and therefore not included in this scope of services, with the following exceptions:
 - Improvements to the power distribution at the Gretna WTP to account for the proposed well pump and the GST. Consultant assumes power to the proposed well at the Gretna WTP will be from the existing switchgear inside the high service pump station and that the switchgear has adequate capacity for the new well pump and associated equipment. Expansion of the existing switchgear and on-site standby power system is not anticipated and therefore not included in this scope of services.
 - Improvements to the plant communications and SCADA at the Gretna WTP to account for the proposed well pump and the GST.
- I. Design of site improvements including:
 - Expansion of the existing on-site storm water retention basin at the Gretna WTP required with the construction of the proposed GST.
 - Asphalt paved access drive to the proposed well at the Gretna WTP.

- Limerock access drive to the proposed wells at the Centralia well field. For purposes of this scope of services, design of the access drive will be from the parcel boundary to each well house.
 - Consultant assumes that the amount of impervious area added at the Centralia well field will qualify for ERP exemption and therefore design of stormwater retention at the Centralia well field is not included in this scope of services.
- J. Design of a raw water transmission main from the Centralia well field to the Hexam WTP. While Task 7 includes preparation of a Transmission Main Alignment Technical Memorandum; for budgeting purposes, the Consultant assumes the transmission main will approximately follow the Option 1 route depicted in Figure 1 attached. With the Option 1 route, the raw water transmission main includes approximately 32,200 lf of 10-inch, 16-inch, and 20-inch pipe.
- K. Design of a potable water transmission main from the Gretna WTP to its connection with the existing 24" transmission main at Lema Dr. and Springhill Dr. The potable water transmission main includes approximately 1,200 lf of 20-inch and 9,400 lf of 16-inch pipe. While Task 9 includes preparation of a Transmission Main Alignment Technical Memorandum, for budgeting purposes, Consultant assumes the transmission main will approximately follow the route depicted in Figure 3 attached.
- L. Design of instrumentation and controls (I&C) for the new well pumps and the new ground storage tank. It is understood that the pump controls will incorporate the County standard pump controller as manufactured by Data Flow Systems. It is also understood that the County will confirm communication between the Centralia wellfield and the countywide SCADA system is acceptable for this project without the aid of a tower of repeaters. Should a tower or repeaters be necessary, the design of this equipment can be performed as additional services.
- M. Prepare construction drawings and technical specifications for use by the County in obtaining bids for the above described improvements. Technical specifications shall be prepared in CSI format and incorporate Hernando County Utility Department standards where applicable. Plans and specifications will be submitted at 60%, 90% and Issued-for-Bid stages. Consultant anticipates that two separate bid document packages will be prepared; one for the construction of the raw and potable water transmission mains and one for the construction of the ground storage tank, well pumps/pump houses at the Centralia well field and at the Gretna WTP, yard piping and associated sitework at the Centralia well field, the Hexam WTP site, and at the Gretna WTP site. (For clarification, the separation line for the two construction contracts will be at the respective property lines for the Gretna WTP, the Hexam WTP, and the Centralia well field.)
- N. Front end bidding documents (i.e., Information for Bidders, Bid Form, Contract Document, General Conditions, etc.) shall be provided by the County and reviewed by the Consultant.

- O. Prepare opinions of probable construction costs with each submittal. The OPCC for the 60% submittal will be an AACE Class 3 level; the OPCC's for the 90% and Issued-for-Bid submittals will be an AACE Class 1 level
- P. Perform a quality control/quality assurance review of the 60%, 90% and Issued-for-Bid construction plans and technical specifications.
- Q. Perform a Florida Fish and Wildlife Conservation Commission (FWC) 100% gopher tortoise burrow survey within the project footprint defined as an approximate 25-ft corridor along the proposed raw and potable water transmission main routes, at the Centralia wellfield (4 locations that each have an approximate 10,000 sf workspace), and at the Gretna WTP (approximate 12,000 sf workspace for one new well and the new ground storage tank). The survey will be conducted to assist with estimating the density of tortoises that will need to be permitted/relocated prior to construction. Burrows identified during the survey will be located and numbered with a sub-meter Trimble GPS unit and provided to the Project Engineer. The gopher tortoise survey will be completed concurrent with the 90% design. It is important to note that gopher tortoise surveys are only good for 90 days. Upon the completion of the gopher tortoise survey, should gopher tortoise burrows be identified, CADD files of each burrow location and a Technical Memorandum discussing permitting options will be provided. If impacts to tortoise burrows (including the 25-foot buffers) are unavoidable, permitting services can be provided as additional services when authorized by the County.

TASK 9. PERMIT ASSISTANCE

The following permit assistance will be provided for the construction of the proposed improvements.

- A. Schedule and attend pre-application meetings with the regulatory agencies. Pre-application meetings will be scheduled with the FDEP, Hernando County Planning, and Hernando County Public Works.
- B. Assist the County in obtaining approval from the FDEP for the construction of the improvements WTP by preparing the *Application for a Specific Permit to Construct PWS Components*. Consultant understands that four (4) separate permits will be required. One for each of the following:
 - Centralia well pumps and other onsite improvements.
 - Improvements to the Gretna WTP including the proposed GST, new well pump, and changes to the chemical feed system.
 - The Centralia raw water transmission main.
 - The Gretna potable water transmission main.

Respond to RAI's received from the FDEP. Permit fees will be paid for by the County.

- C. Assist the County in obtaining approval from the FDEP for the storm water improvements required at the Gretna WTP by preparing an application for a Minor Modification to the existing Environmental Resource Permit (ERP). Respond to RAI's received from the FDEP. Permit fees will be paid by the County.
- D. Consultant assumes that the amount of impervious area added at the Centralia well field will qualify for ERP exemption. As such, Consultant will prepare and submit a Request for Verification of Exemption to FDEP for the improvements to Centralia well field. Permit fees will be paid by the County.
- E. Assist the County in obtaining approval from the County Building Department for the construction of the new well houses by preparing the Building Department submittal package for the WTP. Respond to RAI's received from the County Building Department. Permit fees will be paid by the County.
- F. Assist the County with re-zoning application for the construction of the Centralia wells. Assistance will be limited to completion of displays and providing technical information for the application.

TASK 10. BIDDING AND CONSTRUCTION ADMINISTRATION SERVICES

The Consultant shall perform the following services during the bidding and construction phases. Note that for the purposes of establishing fees for these services, Consultant anticipates that two (2) separate bid document packages will be prepared; one for the construction of the raw and potable water transmission mains and one for the construction of the ground storage tank, well pumps/pump houses at the Centralia well field and at the Gretna WTP, yard piping and associated sitework at the Centralia well field, the Hexam WTP, and at the Gretna WTP site. Consultant also anticipates that the bidding and construction for the two projects will occur simultaneously and that the construction will be completed within twenty-four (24) months from contractors' notice to proceed.

- A. Attend and conduct two mandatory Pre-Bid conferences; one for the transmission mains, the other for the work at the Centralia wellfield and the Hexam and Gretna WTP sites.
- B. Prepare clarifications and addenda in response to questions received from prospective bidders. The County will be responsible for receiving the questions and forwarding same to the Consultant and for distributing addenda to the prospective bidders.
- C. Consultant will assist the County in the evaluation of the apparent low bidder for each contract by reviewing the three lowest bid submittals for mathematical accuracy, reviewing their qualifications against the stated requirements, and contacting the provided references for past work experience. Consultant will provide a written recommendation letter for the award of the contracts.

- D. Attend and conduct two (2) Pre-Construction conferences, one per construction contract, with the selected contractors and County staff to review project requirements, coordination, and scheduling. Minutes of the meeting will be prepared and distributed by the Consultant.
- E. Consultant will establish and administer a procedure for receiving and tracking submittals, including long lead time items made by the contractor. Services will be provided for technical review of shop drawings, detailed construction drawings, and other submittals required by the Contract Documents. Copies of submittal reviews will be provided electronically via email to the County and the contractor.
- F. Consultant will review and respond to RFI's received from the contractor or the County. Consultant will maintain a log to track RFI's. For budgeting purposes, Consultant assumes no more than thirty (30) RFI's.
- G. Review contractors' requests for payment, compare request with work completed, and recommend appropriate action by the County. It is understood that the County will review and approve the requested quantities for the transmission main construction contract.
- H. Provide a project representative to observe the construction at the Centralia wellfield (not including the well construction) and the Hexam and Gretna WTP sites. For budgeting purposes, we have assumed 40 hour days per week for an active construction period of fifteen (15) months. It is the Consultant's understanding that County staff will provide qualified construction observation for the potable and raw water transmission main construction and provide the Consultant construction observations reports and photographs sufficient to allow the Consultant to track the progress of the work.
- I. Consultant will conduct periodic site visits utilizing staff familiar with the project to assess the overall construction progress and to observe major construction events. For budgeting purposes, Consultant assumes twenty-four (24) site visits during the active construction period.
- J. Attend and conduct twenty-four (24) monthly project status meetings. Prepare and distribute minutes of each meeting.
- K. Attend the equipment start-up for the well pumps, the disinfection equipment and plant SCADA systems.
- L. Prepare intermediate and final punch lists for the contractors to complete and/or correct items that are required by the Contract Documents. Follow-up to ascertain that the contractors have satisfactorily completed items and perform the final inspection of completed work.
- M. Prepare record drawings of the improvements based on data furnished by the contractors, including red-line mark ups of the Issue for Bid drawings and signed and sealed As-built Surveys. Provide the County two sets of signed and sealed Record Drawings.

- N. Prepare FDEP Certification of Completion for the construction at the Centralia wellfield (not including the well construction) and the Hexam and Gretna WTP sites. It is the Consultant's understanding that the County will prepare the FDEP Certification of Completion for the construction of the transmission mains.

DELIVERABLES

Project deliverables shall include:

- Monthly status report and updated project schedule with each invoice.
- Meeting minutes from the kickoff meeting, monthly project meetings, and 60%, and 90% design review meetings.
- Two (2) Transmission Mains Alignment Technical Memoranda.
- Draft Preliminary Design Report (pdf copy).
- Final Preliminary Design Report (pdf copy, electronically signed and sealed).
- Geotechnical Report (pdf copy, electronically signed and sealed).
- Gopher Tortoise Survey Technical Memorandum.
- Two Draft and Final Well Construction and Testing Reports – one for the proposed Gretna well and one for the proposed Centralia wells (pdf copy).
- 60%, 90% and Issue-for-Bid construction documents (plans and technical specifications). For the 60% and 90% documents one pdf copy and one paper copy (11" x 17") will be submitted. For the Issued-for-Bid documents; one pdf copy, electronically signed and sealed; and one bound signed and sealed paper copy (22" x 34") will be provided.
- Engineer's opinion of probable construction cost at each submittal stage.
- FDEP and Hernando County Building permit application packages. The County will pay all fees relating to filing of all permits.
- Responses to potential bidder questions during the bid phase.
- Shop drawing reviews and log.
- Contractor RFI responses and RFI log.
- Substantial and final completion punch lists.
- Record drawings (2 bound signed and sealed copies; one pdf copy, electronically signed and sealed; and an electronic copy in AutoCAD 2025).

OTHER CONSIDERATIONS

The Consultant understands that the County will have the WHPA delineation prepared by others under a separate contract. Therefore, WHPA delineation is not included in this scope of services. The Consultant also understands that the County will have the technical specifications for construction and testing of the raw water supply wells (one at the Gretna WTP site and four at the Centralia wellfield) prepared by others under a separate contract. Therefore, well design is not included in this scope of services.

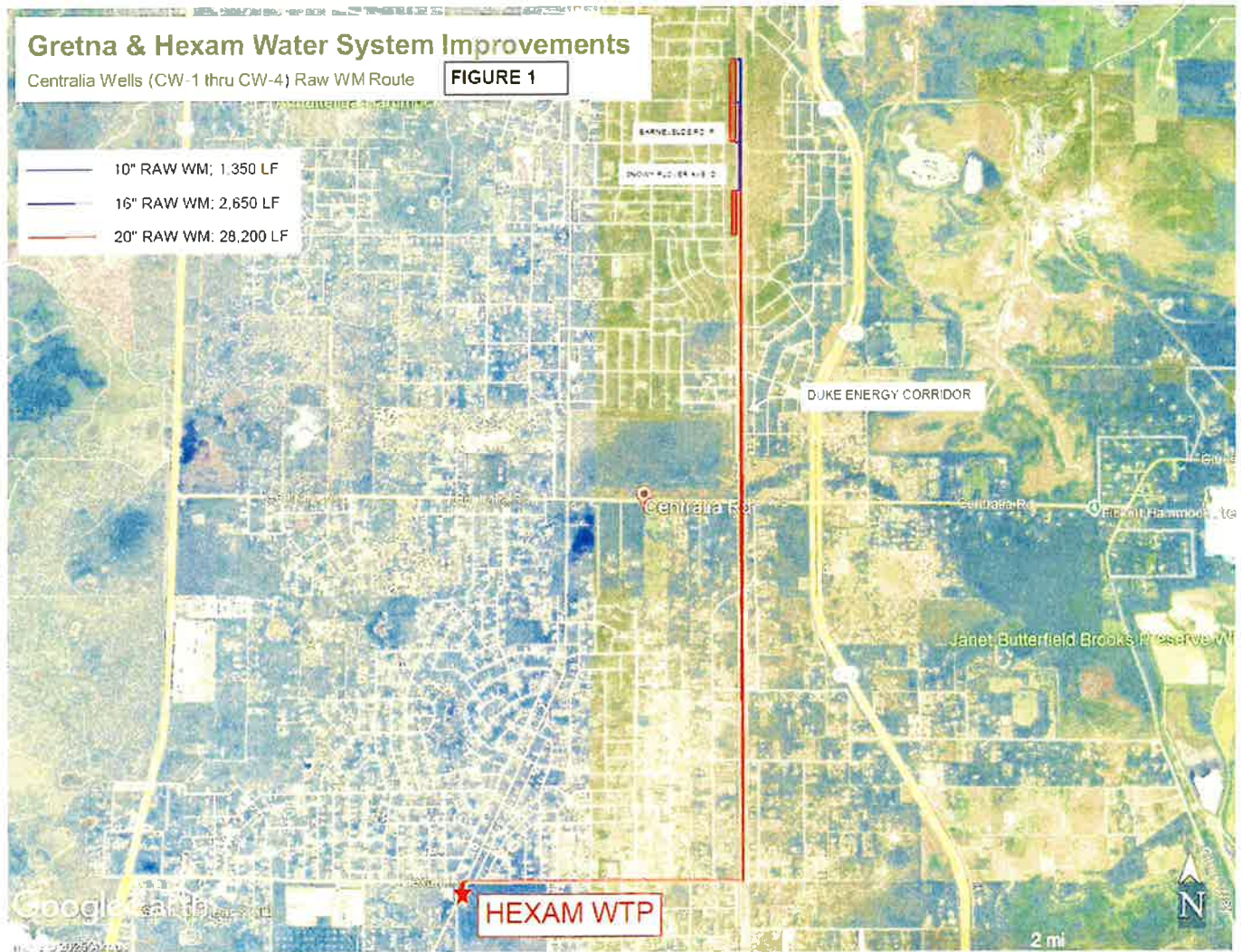
The following items are not included within this scope of services but can be provided as additional services when authorized by the County:

- Gopher tortoise relocation and associated permitting.
- Wetlands delineation
- Wetlands mitigation
- Protected species-specific survey or permitting
- Hydraulic modeling
- Design of a new chemical feed facility
- Radio path survey (for communication with Centralia well field)
- Right-of-Way retracement
- Legal sketches and descriptions for temporary and/or permanent easements
- Payment of permit fees (County to pay all permit fees)
- Environmental Resource Permit (ERP) application(s) for the proposed construction at the Centralia well field and for the construction of the raw and potable water transmission mains

The County shall be responsible for identifying/securing an ADA-compliant facility/venue for public meetings and for preparing/distributing public meeting notifications.

SCHEDULE

A preliminary schedule for the design services is attached. The Consultant will provide a final schedule for the project within 2 weeks of the actual Notice to Proceed date.



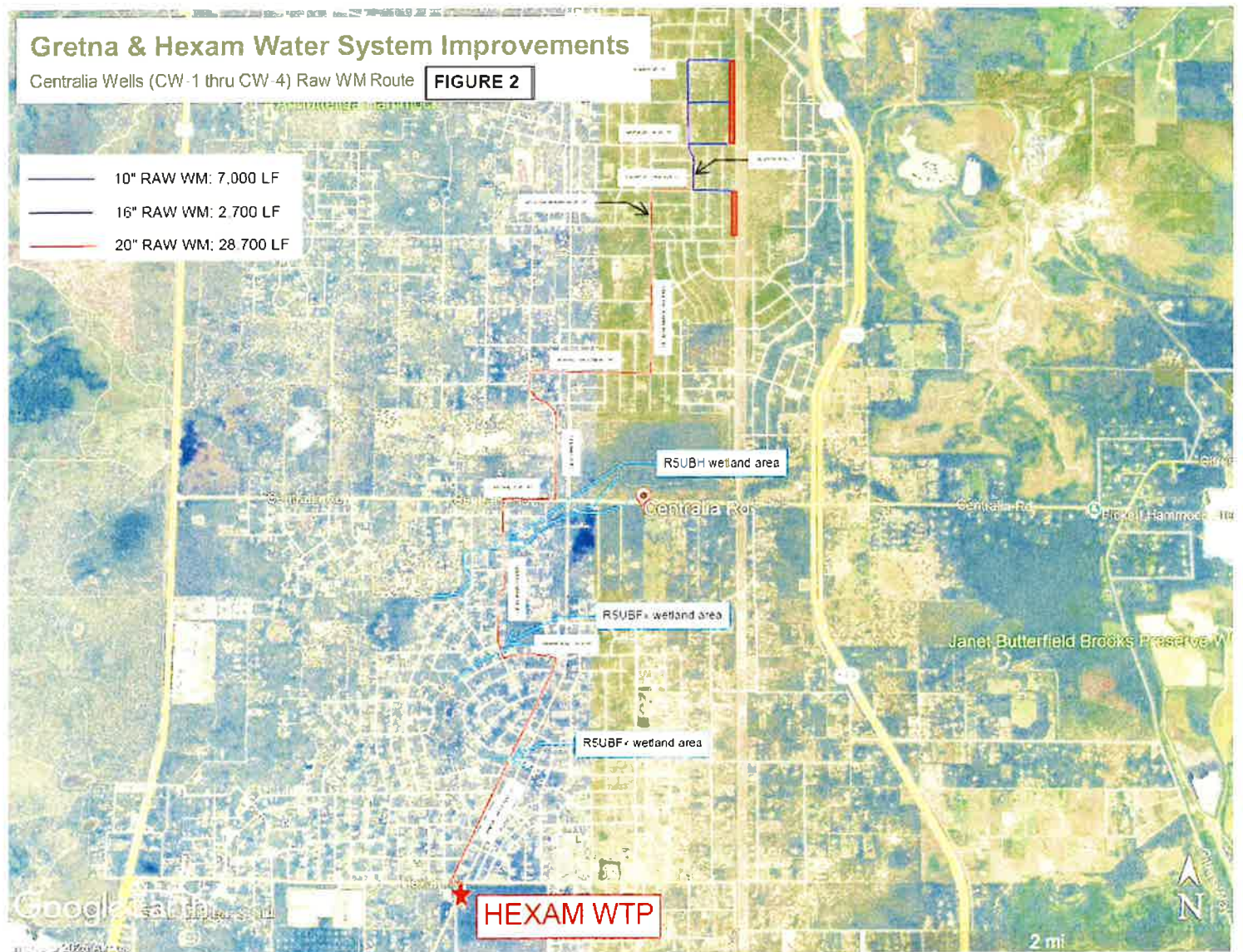




Exhibit "B" Compensation and Method of Payment**Project Summary:**

PROJECT ACTIVITY		Basic Activity	Man Hrs by
Task 1	Project Management, Administration and Meetings	\$324,067.00	1,395
Task 2	Data Collection and Review	\$32,972.00	196
Task 3	Survey	\$203,532.00	476
Task 4	Geotechnical Investigation	\$29,368.00	152
Task 5	SUE Services	\$90,728.00	290
Task 6	Well Construction Observation & Reporting	\$167,988.00	1,256
Task 7	Preliminary Design	\$183,969.00	1,086
Task 8	Design Phase Services	\$1,078,166.00	6,556
Task 9	Permit Assistance	\$47,528.00	308
Task 10	Bidding and Construction Administration	\$647,170.00	3,784
Sub-Total		\$2,805,488.00	15,499
Out-of-Pocket Expenses (actual cost-not to exceed)		\$27,555.00	
Miscellaneous Expenses (Subconsultant)		\$111,405.80	
Total Lump Sum Cost (invoiced monthly based on percent complete)		\$2,944,448.80	

McKim and Creed, Inc.

POSITION CATEGORY	HOURS REQUIRED		BILLABLE RATE		SUB-TOTAL
Sr. Project Manager	1130	x	\$265	=	\$299,450
Sr. Engineer/Eng IV	1765	x	\$253	=	\$446,545
Project Engineer/Eng III	184	x	\$208	=	\$38,272
Staff Engineer/Eng II	254	x	\$190	=	\$48,260
Engineer I	1779	x	\$152	=	\$270,408
Engineer Intern	884	x	\$127	=	\$112,268
Sr. Designer/Designer III	1028	x	\$161	=	\$165,508
Designer II	3675	x	\$149	=	\$547,575
Lead Programmer	96	x	\$202	=	\$19,392
Designer I	56	x	\$109	=	\$6,104
Sr. Hydrogeologist ⁽¹⁾	104	x	\$145	=	\$15,080
Hydrogeologist II ⁽¹⁾	420	x	\$125	=	\$52,500
Hydrogeologist I ⁽¹⁾	604	x	\$120	=	\$72,480
Sr. Project Administrator	394	x	\$121	=	\$47,674
Utility Engineering Project Manager	24	x	\$195	=	\$4,680

Utility Engineering Specialist	40	x	\$146	=	\$5,840
Utility Engineering Analyst	100	x	\$112	=	\$11,200
2-Person Designate Crew	100 ⁽²⁾	x	\$200	=	\$20,000
3-Person Vacuum Excavation Crew	120 ⁽²⁾	x	\$265	=	\$31,800
Survey Project Manager	84	x	\$182	=	\$15,288
Survey CADD Technician	196	x	\$109	=	\$21,364
3-Person Survey Crew	600 ⁽²⁾	x	\$235	=	\$141,000
Sr. Construction Administrator	2560	x	\$159	=	\$407,040
Construction Administrator	40	x	\$144	=	\$5,760

TOTAL HOURS

16,237

FEE ⁽³⁾

\$2,805,488

¹ WSP² Based on 10-hr day³ Fee does not include Geotechnical Engineer, Landscape Architect, Environmental Scientist, and Out-of-Pocket Expenses.

Exhibit “B” Compensation and Method of Payment - shown as two (2) Projects

Project Summary: Project A – Gretna WTP Improvements and Potable Water Transmission Main

Project Activity		Basic Activity Amount	Manhours by Activity
Task 1	Project Management, Administration and Meetings	\$129,452.00	580
Task 2	Data Collection and Review	\$16,486.00	98
Task 3	Survey ¹	\$95,612.00	224
Task 4	Geotechnical Investigation	\$15,190.00	78
Task 5	SUE Services ¹	\$56,044.00	174
Task 6	Well Construction Observation & Reporting	\$33,432.00	250
Task 7	Preliminary Design	\$74,572.00	448
Task 8	Design Phase Services	\$447,613.00	2,722
Task 9	Permit Assistance	\$21,224.00	134
Task 10	Bidding and Construction Administration	\$262,480.00	1,534
Subtotal (Part A)		\$1,152,105.00	6,242
Out-of-Pocket Expenses (actual cost – not to exceed)		\$8,061.00	
Miscellaneous Expenses (Subconsultants) ²		\$65,800.30	
Total Lump Sum (Project A) (Invoiced monthly based on percent complete)		\$1,225,966.30	

Project Summary: Project B – Hexam WTP/Centralia Wellfield and Raw Water Transmission Main

Project Activity		Basic Activity Amount	Manhours by Activity
Task 1	Project Management, Administration and Meetings	\$194,615.00	815
Task 2	Data Collection and Review	\$16,486.00	98
Task 3	Survey ¹	\$107,920.00	252
Task 4	Geotechnical Investigation	\$14,178.00	74
Task 5	SUE Services ¹	\$34,684.00	116
Task 6	Well Construction Observation & Reporting	\$134,556.00	1,006
Task 7	Preliminary Design	\$109,397.00	638
Task 8	Design Phase Services	\$630,553.00	3,834
Task 9	Permit Assistance	\$26,304.00	174
Task 10	Bidding and Construction Administration	\$384,690.00	2,250
Subtotal (Part B)		\$1,653,383.00	9,257
Out-of-Pocket Expenses (actual cost – not to exceed)		\$19,494.00	
Miscellaneous Expenses (Subconsultants) ²		\$45,605.50	
Total Lump Sum (Project B) (Invoiced monthly based on percent complete)		\$1,718,482.50	

Exhibit "B" Compensation and Method of Payment (continued)

Project Summary: Project A and Project B

Project Activity		Basic Activity Amount	Manhours by Activity
Task 1	Project Management, Administration and Meetings	\$324,067.00	1,395
Task 2	Data Collection and Review	\$32,972.00	196
Task 3	Survey ¹	\$203,532.00	476
Task 4	Geotechnical Investigation	\$29,368.00	152
Task 5	SUE Services ¹	\$90,728.00	290
Task 6	Well Construction Observation & Reporting	\$167,988.00	1,256
Task 7	Preliminary Design	\$183,969.00	1,086
Task 8	Design Phase Services	\$1,078,166.00	6,556
Task 9	Permit Assistance	\$47,528.00	308
Task 10	Bidding and Construction Administration	\$647,170.00	3,784
Subtotal (Part A + Part B)		\$2,805,488.00	15,499
Out-of-Pocket Expenses (actual cost – not to exceed)		\$27,555.00	
Miscellaneous Expenses (Subconsultants) ²		\$111,405.80	
Total Lump Sum (Project A + Project B) (Invoiced monthly based on percent complete)		\$2,944,448.80	

¹ Reflects manhours for management, engineers, designers plus number of days for field crews.

² Geotechnical Engineer, Landscape Architect, Environmental Scientist

FIRM: MCKIM & CREED, INC.

BY: 

Mitch Chavaroli

(Printed Name)

DATE: 12/19/25

WITNESS: Brian Trautman

HERNANDO COUNTY

BY: _____

(Printed Name)

DATE: _____

WITNESS: _____

McKim and Creed, Inc.**Project A – Gretna WTP Improvements and Potable Water Transmission Main**

POSITION CATEGORY	HOURS REQUIRED		BILLABLE RATE		SUB-TOTAL
Sr. Project Manager	408	x	\$265	=	\$108,120
Sr. Engineer/Eng IV	703	x	\$253	=	\$177,859
Project Engineer/Eng III	120	x	\$208	=	\$24,960
Staff Engineer/Eng II	118	x	\$190	=	\$22,420
Engineer I	711	x	\$152	=	\$108,072
Engineer Intern	472	x	\$127	=	\$59,944
Sr. Designer/Designer III	666	x	\$161	=	\$107,226
Designer II	1263	x	\$149	=	\$188,187
Lead Programmer	48	x	\$202	=	\$9,696
Designer I	28	x	\$109	=	\$3,052
Sr. Hydrogeologist ⁽¹⁾	20	x	\$145	=	\$2,900
Hydrogeologist II ⁽¹⁾	84	x	\$125	=	\$10,500
Hydrogeologist I ⁽¹⁾	122	x	\$120	=	\$14,640
Sr. Project Administrator	169	x	\$121	=	\$20,449
Utility Engineering Project Manager	16	x	\$195	=	\$3,120
Utility Engineering Specialist	24	x	\$146	=	\$3,504
Utility Engineering Analyst	68	x	\$112	=	\$7,616
2-Person Designate Crew	60 ⁽²⁾	x	\$200	=	\$12,000
3-Person Vacuum Excavation Crew	80 ⁽²⁾	x	\$265	=	\$21,200
Survey Project Manager	40	x	\$182	=	\$7,280
Survey CADD Technician	88	x	\$109	=	\$9,592
3-Person Survey Crew	280 ⁽²⁾	x	\$235	=	\$65,800
Sr. Construction Administrator	1024	x	\$159	=	\$162,816
Construction Administrator	8	x	\$144	=	\$1,152

HOURS (PROJECT A)**6,620****FEE ⁽³⁾ (PROJECT A)****\$1,152,105**¹ WSP² Based on 10-hr day³ Fee does not include Geotechnical Engineer, Landscape Architect, Environmental Scientist, and Out-of-Pocket Expenses.

McKim and Creed, Inc.

Project B – Hexam WTP/Centralia Wellfield and Raw Water Transmission Main

POSITION CATEGORY	HOURS REQUIRED		BILLABLE RATE		SUB-TOTAL
Sr. Project Manager	722	x	\$265	=	\$191,330
Sr. Engineer/Eng IV	1062	x	\$253	=	\$268,686
Project Engineer/Eng III	64	x	\$208	=	\$13,312
Staff Engineer/Eng II	136	x	\$190	=	\$25,840
Engineer I	1068	x	\$152	=	\$162,336
Engineer Intern	412	x	\$127	=	\$52,324
Sr. Designer/Designer III	362	x	\$161	=	\$58,282
Designer II	2412	x	\$149	=	\$359,388
Lead Programmer	48	x	\$202	=	\$9,696
Designer I	28	x	\$109	=	\$3,052
Sr. Hydrogeologist ⁽¹⁾	84	x	\$145	=	\$12,180
Hydrogeologist II ⁽¹⁾	336	x	\$125	=	\$42,000
Hydrogeologist I ⁽¹⁾	482	x	\$120	=	\$57,840
Sr. Project Administrator	225	x	\$121	=	\$27,225
Utility Engineering Project Manager	8	x	\$195	=	\$1,560
Utility Engineering Specialist	16	x	\$146	=	\$2,336
Utility Engineering Analyst	32	x	\$112	=	\$3,584
2-Person Designate Crew	40 ⁽²⁾	x	\$200	=	\$8,000
3-Person Vacuum Excavation Crew	40 ⁽²⁾	x	\$265	=	\$10,600
Survey Project Manager	44	x	\$182	=	\$8,008
Survey CADD Technician	108	x	\$109	=	\$11,772
3-Person Survey Crew	320 ⁽²⁾	x	\$235	=	\$75,200
Sr. Construction Administrator	1536	x	\$159	=	\$244,224
Construction Administrator	32	x	\$144	=	\$4,608

HOURS (PROJECT B)	9,617
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FEE ⁽³⁾ (PROJECT B)	\$1,653,383
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HOURS (PROJECT A + PROJECT B)	16,237
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FEE ⁽³⁾ (PROJECT A + PROJECT B)	\$2,805,488
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¹ WSP

² Based on 10-hr day

³ Fee does not include Geotechnical Engineer, Landscape Architect, Environmental Scientist, and Out-of-Pocket Expenses.