

TASK ORDER TO THE AGREEMENT

In accordance with the Utilities Engineering and Design Support Services Agreement, approved by the Board of County Commissioners on July 21, 2020 (the "Agreement") for work within the scope of Solicitation 20Q-074-TO-35 Relocating Salt Springs Water Treatment Plant - Engineering Design, this Task Order to the Agreement (this "Amendment") is made and entered into between Tillman and Associates Engineering, LLC whose address 1720 SE 16th Ave., Bldg. 100, Ocala, FL 34471, and possessing FEIN# 20-3832004 ("CONTRACTOR") and Marion County, a political subdivision of the State of Florida, 601 SE 25th Avenue, Ocala, FL, 34471 ("COUNTY").

WITNESSETH

WHEREAS the parties wish to amend the Agreement as set forth below; and;

IN CONSIDERATION of the mutual covenants and conditions contained herein, the parties do hereby agree as follows:

1. This Amendment shall be deemed to amend and become a part of the Agreement in accordance with the original Solicitation and Agreement for Utilities Engineering and Design Support Services under 20Q-074.
2. CONTRACTOR's services and performance will be in accordance with the Scope of Service and Fee Schedule, Exhibit A hereto. The total cost for the Project will not exceed Five Hundred Twenty-Four Thousand Three Hundred Eighty-Six Dollars and Ten Cents (\$524,386.10). All Work shall proceed in a timely manner without delays. **TIME IS OF THE ESSENCE.** All limitations of time set forth in the Contract Documents are of the essence of this Contractor. The Work may be presumed abandoned after ninety (90) days if CONTRACTOR terminates the Work without just cause or without proper notification to COUNTY, including the reason for termination, or fails to perform Work without just cause for ninety (90) consecutive days.
3. This Amendment adds the following provisions to the Agreement:
 - **Governing Law, Law, Venue, Waiver of Jury Trial, and Attorney's Fees:** This Agreement and all the Contract Documents shall be construed according to the laws of Florida and shall not be construed more strictly against one party than against the other because it may have been drafted by one of the parties. In the event of any legal proceeding arising from or related to this Agreement; (1) venue for state or federal legal proceedings shall be in Marion County, Florida (2) for civil proceedings, the parties consent to trial by the court and waive right to jury trial, (3) the prevailing party shall be entitled to recover all of its costs, including attorney's fees. This section shall survive the termination of the Agreement.

(Remainder of page intentionally left blank. Signature page to follow)

IN WITNESS WHEREOF the parties have entered into this Amendment, as approved by the Marion County Board of County Commissioners, on the date of the last signature below.

ATTEST:

MARION COUNTY, A POLITICAL SUB-DIVISION OF THE STATE OF FLORIDA

GREGORY C. HARRELL, DATE
MARION COUNTY CLERK OF COURT

KATHY BRYANT DATE
CHAIRMAN

FOR USE AND RELIANCE OF MARION COUNTY ONLY, APPROVED AS TO FORM AND LEGAL SUFFICIENCY

BCC APPROVED: May 20, 2025
20Q-074-TO-35 Relocating Salt Springs
Water Treatment Plant - Engineering Design

MATTHEW G. MINTER, DATE
MARION COUNTY ATTORNEY

WITNESS:

Tillman and Associates Engineering, LLC

SIGNATURE

BY: DATE

PRINTED NAME

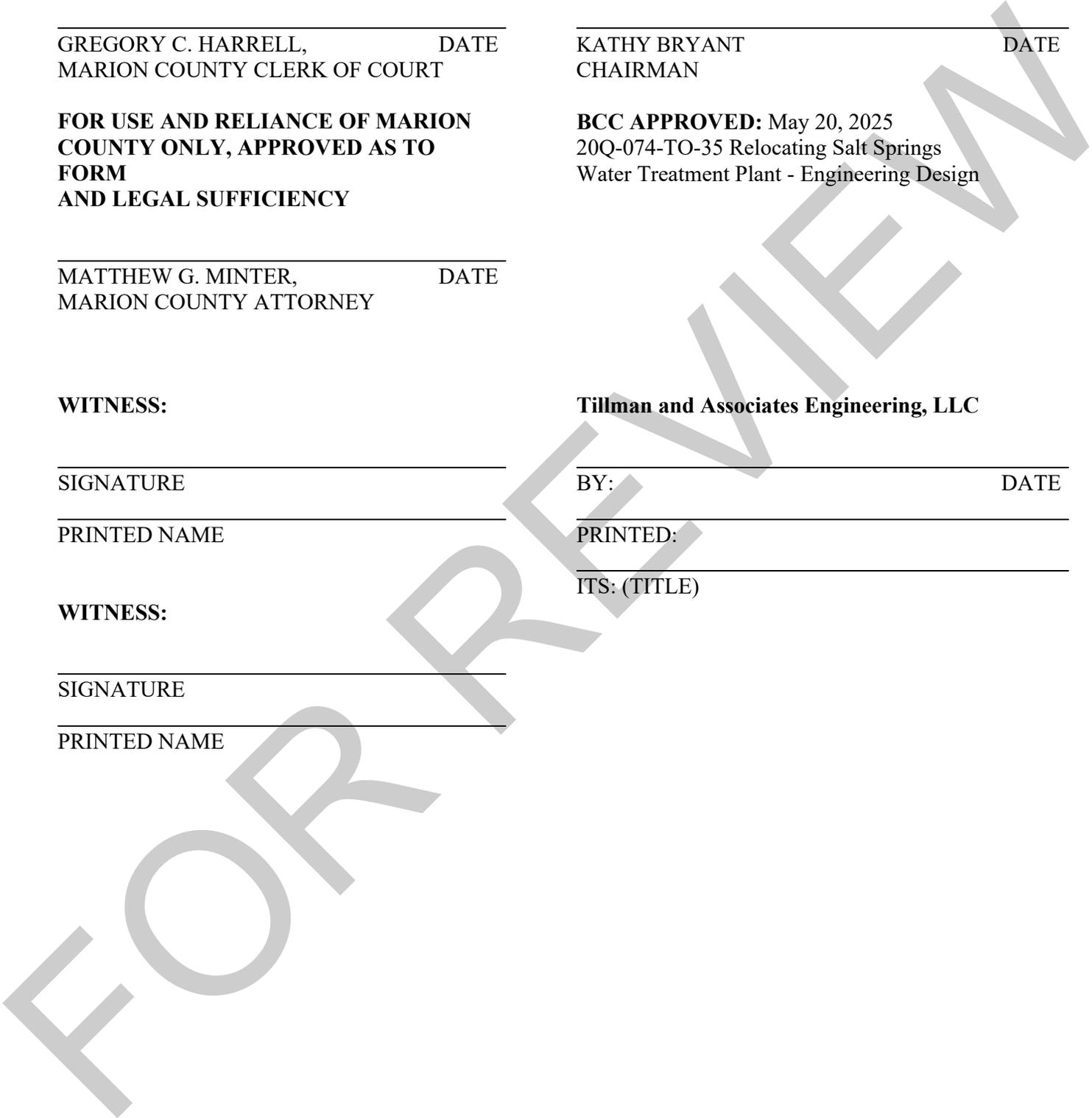
PRINTED:

WITNESS:

ITS: (TITLE)

SIGNATURE

PRINTED NAME



Tillman & Associates
ENGINEERING, LLC.

**Marion County Utilities Department
Salt Springs Water Treatment Plant
(approx. 8.75 +/- acres)
Marion County, FL**

Marion County Utilities Department
11800 South US 441
Belleview, FL 34420
(352) 307-6169

www.tillmaneng.com

PROPOSAL

25-



April 4th, 2025

Marion County Utilities Department
11800 South US 441
Bellevue, FL 34420

RE: Salt Springs Water Treatment Plant
Proposal for Civil Engineering Services

Dear MCUD,

We appreciate the opportunity to be considered for your exciting new project. At Tillman and Associates, we take pride in our multi-disciplinary approach, offering a comprehensive range of services that include Civil Engineering, Landscape, Architecture, Environmental Engineering, Geographical Information Systems (GIS), and Construction Engineering.

Our commitment to excellence extends beyond our individual disciplines. It is our belief that combining these areas of expertise under one roof fosters better collaboration and ensures our clients receive the most comprehensive consulting services available. With a proven track record of success and a team that thrives under pressure, we are confident in our ability to bring your project's vision to life.

Throughout our history, we have demonstrated our dedication to meeting tight scheduling requirements and effectively addressing unforeseen challenges that demand immediate responses. Our adaptability and problem-solving skills have been crucial in achieving project success.

We firmly believe that our team is uniquely qualified to assist your company in achieving its goals for this project. We are enthusiastic about the opportunity to contribute our expertise and look forward to the possibility of working together.

Thank you once again for considering Tillman and Associates. Please feel free to reach out to discuss this project further or if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "J. McPherson", is written over a large, light gray watermark that says "FOR REVIEW".

Jeffrey McPherson

CC: Masterfile w/enclosures
Client w/enclosures

Civil Engineering | Environmental GIS | Land Planning | Landscape Architecture
1720 SE 16th Ave., Bldg. 100 Ocala, FL. 34471
Phone: 352.387.4540 | Fax: 352.387.4545 | Email: mail@tillmaneng.com | Web: www.tillmaneng.com

CONTRACT

Tillman & Associates Engineering, LLC hereafter referred to as **CONSULTANT** is pleased to provide the following Agreement for Professional Engineering Services for the proposed MCUD Salt Springs Water Treatment Plant project in Marion County, Florida.

SCOPE OF WORK:

It is understood in this Agreement that the initial development of the site will be engineered as one set of construction plans consisting of one phase. The services are more fully described in the following sections of this agreement.

TASK I – SPECIAL USE PERMIUT (SUP)

- 1) Preparation and submittal of necessary documentation to Marion County for a Special Use Permit application.
- 2) Attendance to all meetings including but not limited to, Planning & Zoning Commission, Board of County Commissioners, & Development Review Committee (if necessary).

Fee: \$15,510.00

TASK II – KICK OFF MEETING AND CONCEPTUAL PLANNING

1. Kick-off meeting with the Marion County Utilities (MCUD) to review project scope, overall project design objectives and discuss the work products and deliverables.
2. Preparation of one (1) conceptual plan that depicts the proposed building & site layout to meet Marion County criteria. Task includes all coordination with MCUD during the conceptual plan process. Upon review and approval by the MCUD, the conceptual plan will be converted into AutoCAD format and used for the preparation of the final engineering plans.

Fee: \$4,250.00

TASK III – DATA ACQUISITION & INTIAL SITE INSPECTION

1. Research of all permitted and as-builts plans/data in the vicinity of the proposed project using best available data, i.e. public records, County records, etc.

2. Initial site inspection and observation of the project area.

Fee: \$1,655.00

TASK IV - FINAL ENGINEERING PLANS

- A. Preparation of Construction Drawings for the proposed project; utilizing the information provided by the client include to include the following:
 1. Cover Sheet
 2. Construction Notes, Symbols, and Abbreviations
 3. Aerial Photograph with Proposed Utility Route
 4. Potable Watermain Plans & Profiles
 5. Construction & Utility Details
 6. Code Minimum Erosion Control Plans

Fee: \$24,270.00

TASK V - STORMWATER DESIGN

- A. Stormwater Design
 1. Service to include stormwater pipe design and gutter spread calculations as required by Marion County to route stormwater to one (1) onsite stormwater management facilities.
 2. Service to include Stormwater Quantity and Quality design per St. Johns River Water Management District (SJRWMD) and Marion County criteria.
 3. Preparation and submittal of the required National Pollutant Discharge Elimination System (NPDES) Notice of Intent (NOI) application to the Client's awarded contractor. It is understood that the contractor will be responsible for signing the application and submitting it to FDEP and will be ultimately responsible for erosion and sediment control best management practices and system monitoring during construction.

Fee: \$8,420.00

TASK VI - UTILITY DESIGN & COORDINATION

Services to Include:

1. Coordinate with geotechnical and survey sub-consultants to obtain data as outlined in the sub-consultant tasks of this proposal.
2. Coordinate with local dry utility companies to determine approximate locations of existing utilities along the proposed watermain route.
3. Provide submittals to the MCUD via PDF sets for review and comment at 60% and 90% design stages.

Fee: \$4,240.00

TASK VII – CODE MINIMUM LANDSCAPE DESIGN

Provide the following to meet the tree protection and landscape design code requirements as required by the municipality:

1. Tree preservation / tree removal plan and details. Includes one site visit to ascertain general viability of surveyed trees.
2. Planting plan and details (limited to minimum code required trees, plants, and buffer plantings; excludes non-code required design for buildings, park, courtyard, and off-site DRA).
3. Irrigation plan and details as required.
4. Service to include in-house coordination with civil plan designers.
5. Service to include Two (2) Requests for Additional Information (RAIs).

It is understood that code minimum landscape design is sufficient only to meet minimum code requirements. Additional landscape, irrigation, hardscape, and other landscape architectural services can be provided at the rates outlined in the Professional Services Hourly Rate Schedule, or as an Additional Services Agreement addendum to this contract at the request of the Client.

Fee: \$5,415.00

TASK VIII – PERMITTING

A. Marion County – Major Site Plan:

1. Service to include the preparation and submittal of the necessary Major Site Plan submittal to Marion County for construction plan approval. Please note that this task only includes one (1) approval with Marion County and additional permit

approvals may be necessary. If additional permitting is required, it will be performed at an hourly rate as outlined in the included rate schedule.

2. Service to include two (2) responses to Requests for Additional Information (RAIs).

B. SJRWMD - Environmental Resource Permit (ERP)

1. Service to include the preparation and submittal of the necessary ERP application for submittal to SJRWMD.
2. Service to include Requests for Additional Information (RAIs).

Fee: \$8,120.00

TASK IX - MEETINGS

A. A CONSULTANT principal and/or project managers will prepare for and attend the following meeting during the construction plan approval process:

1. One (1) meeting with MCUD Staff to discuss 60% plans.
2. One (1) meeting with MCUD review staff comments after 90% plan submittal

Fee: \$2,110.00

Sub Consultant Services to include the following:

TASK X – DESIGN AND PERMITTING

Services to include:

1. Execution of JEA proposal dated 03/25/2025.

Fee: \$426,471.10

TASK XI – SURVEY SERVICES

Services to include:

1. Execution of JCH proposal dated 12/16/2024.

Fee: \$19,442.5

TASK XII – ENVIRONMENTAL SERVICES

Services to include:

1. Execution of Modica proposal dated 12/10/2024.

Fee: \$4,482.5

SCHEDULE

Please refer to JEA proposal for anticipated schedule

EXCLUSIONS

The tasks listed within the above proposal do not include the following items:

- Hydraulic Analysis
- NPDES Permitting (by Contractor)
- Marion County Right-of-Way Utilization Permitting (by County)
- Technical Specifications/Provisions
- Project Quantities
- Construction Staking
- MOT Plans
- As-Built Field Surveys for Contractor and/or Lending Institutions
- Application Fees

TASK SUMMARY

Task I	\$15,510.00
Task II	\$4,250.00
Task III	\$1,655.00
Task IV	\$24,270.00
Task V	\$8,420.00
Task VI	\$4,240.00
Task VII	\$5,415.00
Task VIII	\$8,120.00
Task IX	\$2,110.00
Task X	\$426,471.10
Task XI	\$19,442.50
Task XII	\$4,482.50
Total Design & Permitting	\$524,386.10

FOR REVIEW

PROFESSIONAL SERVICES HOURLY RATE SCHEDULE (per 20Q-074)

Principal Engineer	\$200.00 /hour
Sr. Professional Engineer	\$185.00 /hour
Sr. Project Engineer	\$185.00 /hour
Project Manager (Registered)	\$165.00/hour
Staff Architect	\$150.00/hour
Project Engineer (Registered)/Engineer III	\$140.00 /hour
Staff Environmental Engineer	\$120.00 /hour
Engineer Scientist/ Engineer II	\$115.00/hour
Staff Construction Engineer	\$115.00/hour
Engineer Intern/Engineer I	\$95.00/hour
Landscape Architect	\$95.00/hour
Principal (Sr.) CADD Designer	\$95.00/hour
Sr. Inspector	\$85.00/hour
CADD Designer	\$85.00/hour
CADD Tech./GIS Specialist	\$70.00/hour
Inspector	\$65.00/hour
Field Services Technician	\$45.00/hour
Clerical	\$45.00/hour
Permit Coordinator	\$40.00/hour

GENERAL CONDITIONS

A. TERMINATION:

The agreement may be terminated by cause, for either party upon thirty (30) days written notice in the event of substantial failure by the other party to perform in accordance with the Agreement's terms through no fault of the terminating party. Failure to pay Tillman & Associates Engineer, LLC for its services is a substantial failure to perform and a basis for termination.

B. OWNERSHIP OF DOCUMENTS:

All original drawings, computations, details, design calculations, and electronic media that result from Tillman & Associates Engineering, LLC., services are the property of Tillman & Associates Engineering, LLC. So long as Client complies with all terms of this agreement, Tillman & Associates Engineering, LLC grants Client a non-exclusive license to use instruments of professional service for the purpose of constructing, occupying, and maintaining the project. Upon payment in full for services completed, Client may at his or her expense, obtain copies of any documents or reproducible copies of drawings. In doing so, Client agrees that no additions, deletions, changes, or revisions shall be made to same without the express written approval of Tillman & Associates Engineering, LLC.

C. INDEMNIFICATION:

To the fullest extent permitted by law, Tillman & Associates, LLC and Client mutually agree to indemnify and hold harmless each other from all claims, lawsuits, or legal actions that arise out of, pertain to, or relate to damages, losses, and personal injuries resulting from the errors, omissions, negligence, willful misconduct, or fault of the indemnifying party, its contractors, agents, and employees. To the extent Tillman & Associates Engineering, LLC's services are subject to Florida Statute 725.06, liability shall be limited to the lesser of 1) the total amount of compensation under this agreement or 2) limits of current Tillman & Associates Engineering, LLC's insurance coverages. Pursuant to Florida Statute 558.0035, the following disclaimer shall be in 5-point larger font than the rest of the contract.

**PURSUANT TO FS 558.0035, EMPLOYEES OF
CONSULTANT MAY NOT BE HELD INDIVIDUALLY
LIABLE FOR DAMAGES RESULTING FROM NEGLIGENCE
UNDER THIS AGREEMENT.**

The provisions under this section shall survive the termination or expiration of this agreement.

D. DISPUTE RESOLUTION:

Tillman & Associates Engineering, LLC and Client agree to negotiate any dispute between them in good faith for a period of (30) days after notice of dispute. If negotiations are unsuccessful in resolving the dispute, mediation shall be conducted by a mediator selected through mutual agreement by both parties. The process shall be conducted on a confidential basis and shall be completed within one hundred twenty (120) days. If such mediation is unsuccessful in resolving the dispute, then (a) the parties may mutually agree to a dispute resolution of their choice, or (b) either party may seek to have the dispute resolved by a court of competent jurisdiction.

E. INVOICES:

Monthly invoices will be issued by Tillman & Associates Engineering, LLC., for all services performed under this agreement and reimbursement of out-of-pocket expenses. A retainer, if applicable, will be required prior to initiation of service and will be credited to the final invoice(s) of the Project. Invoices are due and payable within 30 days of receipt. The Client must notify Tillman & Associates, LLC in writing within 30 days of receipt of any disputed charges included in invoice. All unpaid balances after thirty (30) days shall be subject to a finance charge of 1.5% interest (per month). Tillman & Associates Engineering, LLC., reserves the right to withhold submittal of applications until such time that all unpaid balances have been satisfied. Payment disputes, including but not limited to disputes over non-payment or late payment of any charge on any invoice; and any charge identified on an invoice identified by Client as a disputed charge are not subject to the Dispute Resolution section of this contract. Tillman & Associates Engineering, LLC may avail itself of any and all available legal remedies to address such payment disputes, including, but not limited to a lien against real property where project is located. In the event Tillman & Associates Engineering, LLC is required to undertake collection actions, or otherwise incur any costs in connection with the collection of amounts owing under a past-due invoice, all such costs shall be the responsibility of the Client.

Tillman & Associates Engineering, LLC prefers that all payments be made through the Automated Clearing House Network ("ACH"). The following bank account information is provided below for this purpose:

Account Name:

Bank Name:

Account Number:

ABA Number:

Remittance Advice: AP@tillmaneng.com

F. HOURLY RATES:

The hourly rates given in this contract are for construction administration services, as-built certifications, and additional services requested by the client outside the scope of the contract tasks. The hourly rates are applicable through December 31st of the year the contract was executed, and are subject to renegotiation on January 1, each year, thereafter. Contract prices shall remain as quoted for one (1) year after execution of the contract after which, contract prices shall be renegotiated for any remaining tasks.

G. ADDITIONAL SERVICES:

Tillman & Associates Engineering, LLC., will be compensated for additional services, such as:

1. Any changes made outside the scope of services defined in this contract at the Client's request.
2. Revisions caused by changes of governmental requirements after the date of this agreement.
2. Redesign per client after preliminary design has been submitted to the approving agency.

H. OUT-OF-POCKET EXPENSES:

In addition to the fee schedule and any applicable additional services fees, Tillman & Associates Engineering, LLC., shall be reimbursed for invoiced out-of-pocket expenses which include, but are not limited to: Subconsultant markup fees, application fees, blueprints, copies, plots, aerials, express deliveries, specialized postage, and travel outside of the Central Florida area.

I. PERMIT ACQUISITION:

Tillman & Associates Engineering, LLC., cannot guarantee the acquisition of all permits and/or approvals. However, we will do everything possible to achieve this goal. The Client is responsible for payment of all fees due to Tillman & Associates Engineering, LLC., regardless of agency and/or governmental actions.

J. FORCE MAJEURE:

Tillman & Associates Engineering shall not be held responsible for any delay or failure in performance caused by fire, flood, explosion, war, strike, embargo, government requirements, civil or military authority, acts of God, act or omission of contractors, vandalism, or other similar cause that are beyond our control.



K. TOTAL AGREEMENT:

This agreement constitutes the entire agreement between Tillman & Associates Engineering, LLC. And Client and supersedes all prior written or oral understandings. This agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

L. ACCEPTANCE:

Our company mindset is to take each project on as if it were our own. Our own finances, property, and time being leveraged to deliver a successful project. With this mindset, we both continuously develop and maintain long-term relationships with our clients. Thank you for your time and consideration. We look forward to working with you and your company.

Thank you for your time and consideration. We look forward to working with you and your company.

APPROVED AND ACCEPTED THIS _____ DAY OF _____ 2025.

BY _____

TITLE _____

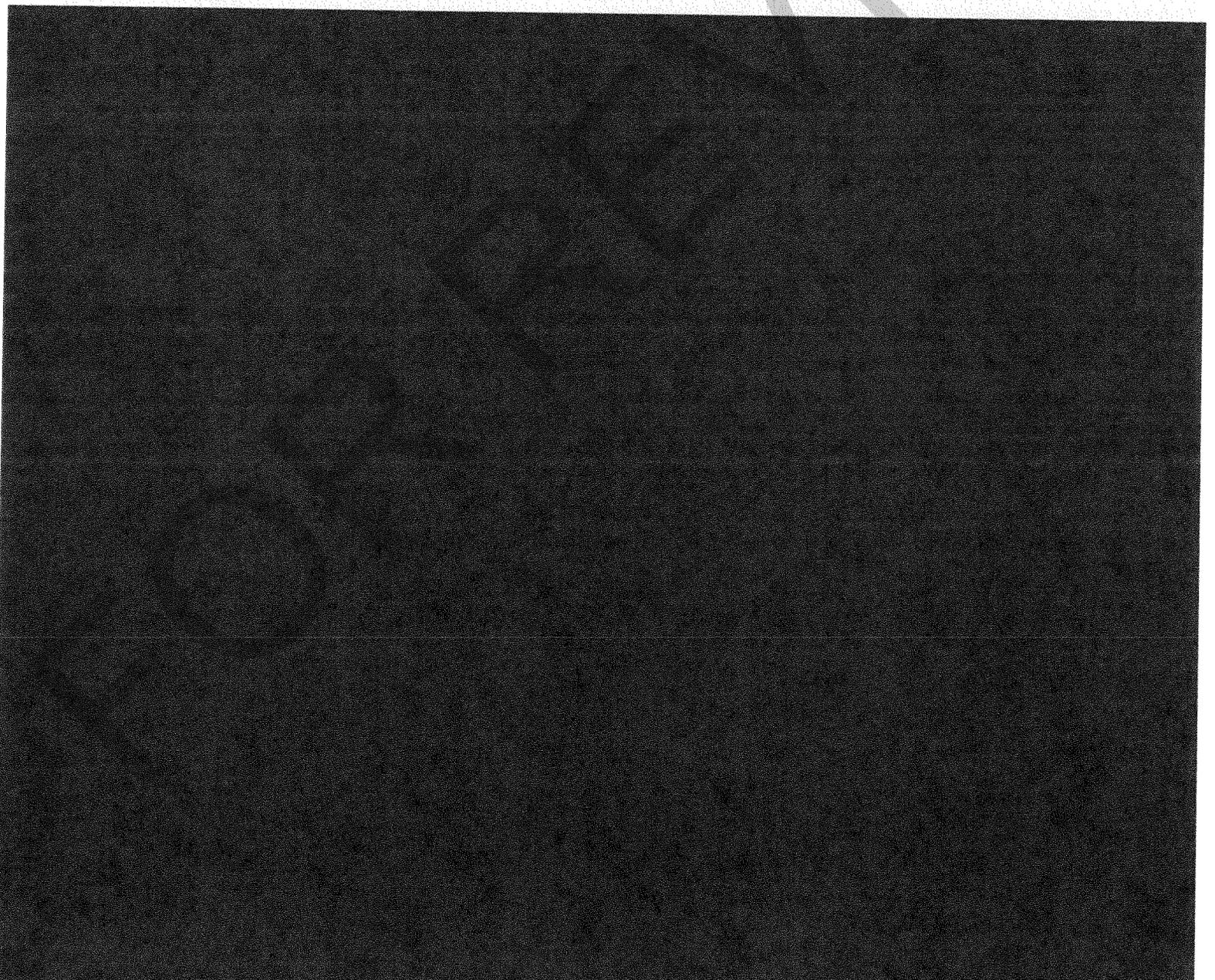
BY _____

Jeffrey McPherson, P.E.
Tillman & Associates Engineering, LLC.

Tillman & Associates
ENGINEERING, LLC.

www.tillmaneng.com
1720 SE 16th Ave., Bldg. 100
Ocala, FL 34471

VIEW



Project: Marion County Utilities Department - Salt Springs WTP
 Date: 4/4/2025

Task	Description	Man-hour Estimate										Expenses	Estimated Fee
		Principal Engineer \$200.00/hr	Sr. Project Engineer \$185.00/hr	Project Engineer (PE) \$140.00/hr	Staff Engineer \$115.00/hr	Landscape Architect \$95.00/hr	Engineer Scientist \$115.00/hr	Principal CADD Designer \$95.00/hr	CADD Designer \$85.00/hr	GIS Specialist \$70.00/hr	Clerical \$45.00/hr		
I	SUP	32			22	0	0	24	40	0	20	\$ -	\$ 15,510.00
	Subtotal	32	0	0	22	0	0	24	40	0	20	\$ -	\$ 15,510.00
II	Kickoff & Planning	0	12	0	8	0	0	0	12	0	2	\$ -	\$ 4,250.00
	Subtotal	0	12	0	8	0	0	0	12	0	2	\$ -	\$ 4,250.00
III	Data & Site Inspection	0	2	0	3	0	0	0	10	0	2	\$ -	\$ 1,655.00
	Subtotal	0	2	0	3	0	0	0	10	0	2	\$ -	\$ 1,655.00
IV	Final Engineering Plans	0	34	0	84	0	0	16	80	0	0	\$ -	\$ 24,270.00
	Subtotal	0	34	0	84	0	0	16	80	0	0	\$ -	\$ 24,270.00
V	Stormwater Design	0	4	0	34	0	0	0	38	0	12	\$ -	\$ 8,420.00
	Subtotal	0	4	0	34	0	0	0	38	0	12	\$ -	\$ 8,420.00
VI	Utility Design	0	4	0	14	0	0	0	18	0	8	\$ -	\$ 4,240.00
	Subtotal	0	4	0	14	0	0	0	18	0	8	\$ -	\$ 4,240.00
VII	Landscape Architecture	0	0	0	0	57	0	0	0	0	0	\$ -	\$ 5,415.00
	Subtotal	0	0	0	0	57	0	0	0	0	0	\$ -	\$ 5,415.00
VIII	Permitting	0	10	0	28	0	0	0	20	0	30	\$ -	\$ 8,120.00
	Subtotal	0	10	0	28	0	0	0	20	0	30	\$ -	\$ 8,120.00
IX	Client Meetings	5	6	0	0	0	0	0	0	0	0	\$ -	\$ 2,110.00
	Subtotal	5	6	0	0	0	0	0	0	0	0	\$ -	\$ 2,110.00
X	WTP Design											\$ -	\$ 426,471.10
XI	Survey											\$ -	\$ 19,442.50
XII	Environmental											\$ -	\$ 4,482.50
Project Total		37	56	0	151	57	0	40	168	0	60	\$ -	\$ 524,386.10

SUB-CONTRACTOR COSTS SUB-CONTRACTOR COSTS SUB-CONTRACTOR COSTS

WTP Design	\$387,701.00	\$426,471.10	\$38,770.10	10%
Survey	\$17,675.00	\$19,442.50	\$1,767.50	10%
Environmental	\$4,075.00	\$4,482.50	\$407.50	10%
SUBCONTRACTOR COSTS	\$409,451.00	\$450,396.10	\$40,945.10	



April 24, 2025

Jeff McPherson, PE
Tillman & Associates Engineering, LLC
1720 SE 16th Avenue, Building 100
Ocala, Florida 34471

RE: Marion County Utilities
Scope of Services for Salt Springs Water Treatment Plant Design
Jones Edmunds Opportunity No. 95625-229-24

Dear Mr. McPherson:

Jones Edmunds is pleased to present this proposal to Tillman & Associates Engineering, LLC, to provide planning, design, permitting, and bidding services to relocate the Salt Springs Village Water Treatment Plant. Jones Edmunds appreciates the opportunity to continue our working relationship with Tillman and to be your engineering partner on this project. Our proposed Scope of Services and Fee are attached.

If you have any questions or comments, please contact us me (352) 377-5821 or via email at jhorvath@jonesedmunds.com.

Sincerely,

A handwritten signature in black ink that reads "John H. Horvath".

John H. Horvath, PE
Senior Project Manager/Vice President
13545 Progress Boulevard, Suite 100
Alachua, FL 32615

Y:\20475-Tillman and Associates\Opportunities\2024\95625-229-24_Salt Springs WTP\Salt Springs WTP Scope (4.24.25).docx



SCOPE OF SERVICES

SALT SPRINGS WATER TREATMENT PLANT DESIGN

MARCH 2025

BACKGROUND

Marion County Utilities (MCU) owns and operates the Salt Springs Village Water Treatment Plant (SSVWTP), which is on Ocala National Forest property at NE 136th Place. The plant operates under the public water system (PWS) shown in the table below.

PWS ID	PWS Type	WTP	Permitted Capacity (gpd)*	Basis
3420408	Community	Salt Springs Village	324,000	Max Day

gpd = gallons per day

MCU requested this Scope of Services to demolish and relocate the SSVWTP to a site approximately 1 mile northwest on the Salt Springs Civic Park property on the west side of East Highway 316. The relocated plant will have a footprint similar to that of the existing plant and is expected to include the following components:

- Two Upper Floridan aquifer wells with 12-inch steel casings including:
 - Vertical turbine well pumps (Weir Floway or Peerless Pump Company) with adjustable speed drives (ASDs) located remotely in a climate-controlled building.
 - Wellhead assembly.
 - Lube lines and heaters.
 - Concrete wellhead pads.
 - Metering with 4-20 signal input/outputs back to the programmable logic controller (PLC)/human-machine interface (HMI).
 - Check valves, isolation valves, flow meters, air/vacuum valves, and associated appurtenances.
 - Well grounding and lightning protection.
 - Instrumentation and controls (I&C).
- Two 10,000-gallon hydropneumatics tanks (initial estimate) with provisions to run in either series or parallel including air lines, compressor, and yard piping.
- One prefabricated concrete electric building with overhang for bulk hypochlorite storage, mini-spilt system for HVAC, and drain for the analyzer. The building will be large enough to include a desk for operations. The drain for the analyzer will use a duplex package lift station to convey the analyzer discharge to a nearby gravity sanitary sewer system (south or west of the project). The offsite piping is assumed to be designed by Tillman.
- A County-standard hypochlorite feed system to disinfect the raw water at the wells.
- One standby generator with sound-proof enclosure and aboveground fuel storage sized for 3 days of fuel storage to power the current plant needs. Consideration will be made regarding using the existing 105-kW generator at SSVWTP.



- Yard piping and master meter with 4-20 signal outputs back to the programmable logic controller (PLC)/human-machine interface (HMI) for compliance reporting.
- Chlorine (Cl₂) and pH analyzers and associated equipment for plant compliance with 4-20 signal input/outputs back to the PLC/HMI and associated equipment capable of producing hard copies for plant compliance.
- Plant water service with a backflow preventer and a flow meter that includes chemical wash down and eyewash, hose bibs, Cl₂ and pH analyzers, water supply at each well, and yard piping for plant water usage and washdown. Above-grade piping will be stainless steel with frost protection and below-grade will use PVC.
- Sample points at various locations such as hydropneumatic tanks, wells, disinfection, and plant finish water for plant compliance.
- Site light-emitting diode (LED) lighting at wells, the property entrance gate, and the exterior of the high-service pump building.
- Site perimeter fencing with entry gates, privacy slats, and three-strand barbed wire.
- Lightning protection including adequate grounding and surge protection to include all wells, tanks, the MCC, transfer switches, electrical equipment, aboveground pipes, etc.
- Electrical service (480V; 3 phase; 60 Hz assumed) to the site.
- Site entrance driveway (designed by Tillman).
- Stormwater management system (designed by Tillman).
- Approximately 900 feet of off-site water main (8-inch assumed) to connect to an existing 8-inch water main just south of NE 250 Avenue (designed by Tillman).

The following components are not included in this Scope of Services but can be added at additional cost:

- Corrosion-inhibitor storage and feed system.
- Design for treating elevated iron, hydrogen sulfide beyond 0.3 mg/L, turbidity, copper, per- and polyfluoroalkyl substances (PFAS), or any other constituents.

The following Scope of Services further defines the tasks to complete the planning, permitting, design, and bidding services for the project components described above.

SCOPE OF SERVICES

TASK 1 – PROJECT MANAGEMENT AND MEETINGS/COORDINATION

PROJECT INITIATION AND MANAGEMENT

Project management throughout this project is included in this task. Also included are coordinating and attending an on-site kickoff meeting with Tillman and MCU. Jones Edmunds will schedule an on-site design kickoff meeting within 30 days of receiving a Notice to Proceed to discuss various topics with the Tillman and MCU, including but not limited to the following:

- Identify the roles and responsibilities of the Design Team and MCU staff.
- Establish the project schedule.
- Discuss project goals and critical success factors.



- Discuss design elements, MCU standards, and level-of-design expectations for each deliverable.
- Determine decommissioning and demolition requirements of the existing WTP including repurposing equipment at the new WTP.

After the kickoff workshop, the Design Team will hold up to four progress meetings with MCU and Tillman for the duration of the design phase. All meetings will be held virtually or in person at MCU's Belleview office. Design coordination meetings will also be held monthly with the Design Team.

Design Review Meetings with Tillman and MCU will be held after the 60%, 90%, and Final submittals via Teams.

Deliverables:

- Kickoff and Design Review Meetings including meeting agendas and minutes for distribution as documentation of the proceedings.

TASK 2 – PRELIMINARY SITE PLAN AND HYDRAULIC MODELING

Jones Edmunds will develop a preliminary site plan to establish approximate locations of the proposed WTP facilities and precise locations of the potable wells needed for Task 3. A desktop hydraulic model of the wells and transmission main will also be developed to determine preliminary sizing of the well pumps and transmission main. The model will be updated after pump tests are performed in new wells described in Task 3. The results of the preliminary site plan and hydraulic modeling will be briefly documented in a technical memorandum. One Teams meeting will be held with Tillman and MCU to review the preliminary site plan and modeling results.

Deliverables:

- Electronic draft and final copies of the technical memorandum.

Key Assumptions:

- MCU will provide the following:
 - Connection pressure requirements at the new transmission system tie-in location.
 - Required fire flow requirements. Fire flow is not guaranteed and depends on well capacity and chlorine contact time.
 - Final approval of the preliminary site plan.
- Well pumps will be designed to meet the permitted maximum day capacity of 324,000-gpd plus fire flow.

TASK 3 – WELL SPECIFICATIONS AND CONSTRUCTION

PERMITTING, DESIGN SPECIFICATIONS, AND BIDDING

Jones Edmunds will prepare a letter modification request for the replacement wells (to be submitted to the St. Johns River Water Management District [SJRWMD] by MCU) and a site



map showing the proposed well location and distances to setbacks listed in Rules 62-532 and 62-555, FAC.

Jones Edmunds will use our standard Construction Standards Institute (CSI) 16-division-format technical specifications (Divisions 1 through 16) for constructing two 12-inch-diameter steel well casings that are expected to be approximately 200 to 300 feet deep. The County will provide bidding and construction Contract Documents (Front Ends/Division 0) for the project. We will review and provide comments on the County's standard bidding and construction Contract Documents. The technical specifications will include the following sections:

- Bid Form.
- Measurement and Payment.
- Water Supply Well Construction – will include requirements for the Well Driller including estimates of total well depth, well casing depth, well capacity, surface casing depth, water quality sampling and testing requirements, aquifer performance testing requirements, and disinfection and final bacteriological clearance sampling requirements.
- Geophysical Logging.
- Well Plugging.

The selected Well Driller will be required to do the following:

- Obtain the well construction permits from SJRWMD.
- Construct the wells in accordance with the Contract Documents and Specifications.
- Perform water quality testing during drilling.
- Perform geophysical logging.
- Develop the wells and perform step-drawdown tests.
- Perform well disinfection and final bacteriological clearance sampling.
- Develop an approved plan for discharging groundwater that is pumped during testing.
- Submit the State of Florida Well Completion Reports (Form LEG-R.005.02).

SERVICES DURING BIDDING AND WELL CONSTRUCTION

After completing the well specifications, Jones Edmunds will provide bidding assistance for an early public solicitation package, construction administration, and limited observation services during construction of the wells. The services described below are based on a 2-month bid phase and 6-month construction schedule. Jones Edmunds will retain Liquid Solutions Group to assist with the following services (see attached scope of work):

- Tabulate and evaluate the bids.
- Attend an on-site pre-construction meeting with the bidder awarded the contract to discuss the contract requirements, lines of communication, and schedule.
- Review up to eight submittals by the Contractor.
- Review up to eight pay applications.
- Provide part-time resident observation services during construction and testing of the new wells. We have included a limited amount of these services that will be required during drilling and testing activities during well construction. A Resident Observer represented by Jones Edmunds will not be on site during activities such as pilot hole reaming, dredging, or Contractor down time. Site visits are included for the following:



- Two site visits to confirm casing lengths and confirm heat stamps match submittal documents.
 - Six site visits to collect lithology data and observe/log drill cuttings.
 - Two site visits to observe geophysical logging.
 - Eight site visits to observe cement grouting of final well casings including two visits per well for the bottom 5 feet and two visits per well for the upper 20 feet.
 - Four site visits to observe well development, collect Rossum sand test readings, and assist the Contractor with setting up data loggers for step-drawdown testing.
 - Four site visits to observe and document the abandonment of the existing wells.
 - Two site visits to observe final water quality sampling of the wells.
 - Four site visits for final video and alignment testing.
- Provide construction administration services during well construction to support the resident observation services. This includes Contractor submittal reviews and other technical support.
 - Prepare summary reports for site visits by the Resident Observer.
 - Propose final casing depths based on geophysical logging and other information provided by the drilling Contractor regarding conditions observed during drilling.
 - Respond to Contractor requests for information (RFIs) (up to six), potential change orders, field orders, and other administrative items to assist the drilling Contractor in completing the contracted drilling and testing activities.
 - Compile the information obtained during drilling and prepare the Well Completion Reports expected as a requirement for the County's consumptive use permit (CUP).

Deliverables:

- Electronic (pdf) draft and final copies of the CUP letter modification request.
- Electronic (pdf) draft and final copies of the Technical Specification package.
- Electronic (pdf) draft and final copies of the Well Completion Report.

Key Assumptions:

- The CUP modification is limited to a request detailing the proposed location and well construction details. Changes in permit allocation, groundwater modeling, and/or other environmental analyses are not included.
- If construction exceeds 6 months or additional site visits are required, a contract amendment will be provided to Tillman for approval before proceeding.
- Front-End Contract Documents will be provided by MCU.
- Water quality sampling and equipment will be provided by others.
- QC for this task will be performed by ASRus, LLC, for a time-and-materials, not-to-exceed fee of \$10,750.
- If a well must be abandoned or re-drilled for any reason, additional oversight and site visits are outside the scope of services.

TASK 4 – WTP DESIGN (60%, 90%, AND FINAL DESIGN)

Jones Edmunds will provide Tillman and MCU with phased design documents for the SSVWTP consisting of three submittals:



- 60% Design Documents
- 90% Design and Permitting Documents
- Construction Documents

Jones Edmunds will participate in a review meeting (virtual or in-person) with Tillman and MCU after the 60% and 90% submittals to obtain comments. Changes agreed to at the meetings will be incorporated into the documents. Electronic copies of the design review meeting minutes will be distributed to meeting attendees by e-mail. The meeting minutes will include responses and dispositions to comments.

A preliminary list of construction plans sheets to be prepared by Tillman and Jones Edmunds is provided below:

- General Sheets (Tillman)
 - Cover Sheet
 - General Notes
 - Abbreviations and Designations
 - Legends
- Civil Sheets (Tillman)
 - Civil Notes
 - Site Plan
 - Site Grading and Drainage Sheets
 - Paving and Details Sheets
 - 8-inch Offsite Water Main Plan and Profile Sheets
 - Erosion Control Sheets
 - Civil Details
- Demolition Sheets for Existing WTP (Jones Edmunds)
 - Overall Plan
 - Details
- Structural Sheets (Jones Edmunds)
 - Structural Notes
 - Well Head
 - Well Slab Plan and Profile
 - Electrical Building Slab and Hypochlorite Storage Overhang
 - Hydropneumatic Tank Support
 - Structural Details
- Mechanical Sheets (Jones Edmunds)
 - Mechanical Legend and Pipe Schedule
 - Yard Piping Plan
 - Well Pump and Piping Plan
 - Well Pump and Piping Cross Section
 - Hypochlorite System Piping
 - Control Header and Sensing Lines
 - Master Meter to the Distribution System
 - Mechanical Details Sheets



- Electrical and Instrumentation Sheets (Jones Edmunds)
 - Electrical Legend and Notes
 - Electrical Site Plan
 - Typical Well Electrical Plan
 - Electrical One-Line Diagrams
 - Control Wiring Diagrams
 - Electrical Building Power and Lighting Plan
 - Schedules
 - HVAC Electrical for Mini-Split System
 - Generator Electrical Plan
 - Generator Site Plan and Details
 - Electrical Details
 - Instrumentation Legend and Notes
 - Instrumentation Diagrams

Jones Edmunds will use MCU standard details and specifications where possible and develop detailed specifications when not covered by the County's standards. Jones Edmunds will coordinate with the County's SCADA integrator (Data Flow Systems) on the process, instrumentation, and controls including determining cabinet requirements.

Jones Edmunds will use our standard CSI 16-division-format technical specifications for this project including Divisions 1 through 16. The County will provide bidding and construction Contract Documents (Front Ends/Division 0) for the project. We will review and provide comments on the County's standard bidding and construction Contract Documents.

Deliverables:

- Electronic (pdf) draft and final copies of 60%, 90%, and Final submittals.

TASK 5 – GEOTECHNICAL SERVICES

Jones Edmunds will retain GSE Engineering & Consulting, Inc., to perform a geotechnical exploration at the proposed project site. The geotechnical exploration will occur after MCU approves the preliminary site plan described in Task 2. The detailed geotechnical scope of services under this task from GSE are included with the attached subconsultant scope of work.

Deliverables:

- One signed-and-sealed electronic PDF copy of the final geotechnical report.

TASK 6 – FDEP PERMITTING AND PRELIMINARY DESIGN REPORT

The following permitting services are included in this task:

- Prepare a Florida Department of Environmental Protection (FDEP) Application for a Specific Permit to Construct PWS Components including a Preliminary Design Report (PDR) meeting the requirements of 62-555.520(4)(a), FAC, for constructing a new WTP with groundwater as the source water.
- Respond to one Request for Additional Information (RAIs) to the application above as applicable.



The Design Team will use the approved 90% Design Drawings and Technical Specifications to prepare the permit applications. We will prepare the permit documents for MCU's signatures and submit the permit applications.

Deliverables:

- Electronic copies of draft and final FDEP PWS Permit Application and PDR in pdf format.

SUBCONSULTANTS' SCOPE OF SERVICES

All subconsultants' Scopes of Services are attached.

SCHEDULE

The following schedule is expected to complete the project:

Deliverable	Time from NTP
Well Bid Documents	2 Months
Well Bidding	4 Months
Well Construction	10 Months
60% WTP Design	12 Months
90% WTP Design	~16 Months or ~4 months after receiving final water quality data
Final WTP Design	~18 Months or ~6 months after receiving final water quality data

COMPENSATION

Jones Edmunds proposes to perform the Scope of Services as described herein for a combined lump-sum (LS) and Time-and-Materials (T&M) fee of \$387,701 as presented in the table below. The T&M fee of \$10,750 is for Task 3 QC performed by ASRus, LLC. An hour and fee estimate breakdown is also attached.

Tasks	Total Cost (\$)
Task 1 – Project Management and Meetings/Coordination (LS)	\$38,324
Task 2 – Preliminary Site Plan and Hydraulic Modeling (LS)	\$21,455
Task 3A – Well Specifications and Construction (LS)	\$140,397
Task 3B – Well Specifications and Construction (T&M)	\$10,750
Task 4 – WTP Design (60%, 90%, and Final Design) (LS)	\$151,378
Task 5 – Geotechnical Services (LS)	\$9,123
Task 6 – FDEP Permitting and Preliminary Design Report (LS)	\$16,275
Totals	\$387,701



EXCLUSIONS AND CONDITIONS

All items included in this Scope of Services are specifically listed in this document. The following are specific exclusions to and conditions of this Scope of Services:

- Bidding and Engineering Services During Construction of the WTP are excluded. A final scope and fee estimate will be submitted toward the end of the design phase.
- Permitting fees are excluded and assumed to be paid directly by MCU.
- MCU will take 2 weeks or less for deliverable reviews.
- Permitting activities related to zoning, comprehensive planning, fire department approvals, building permitting approvals, and easement acquisition will be performed by others.
- SCADA implementation/integration/programming will be performed by the County's SCADA integrator, DFS.
- Disinfection by means other than sodium hypochlorite is not included in this Scope of Services and Fee Estimate.
- Design of natural draft of forces air aerators is not included in this Scope of Services and Fee Estimate.
- Design for other source water other than groundwater is not included in this Scope of Services and Fee Estimate.
- HVAC design beyond specifying a mini-split system is excluded.
- The FDEP General Permit for Construction of Water Main Extensions for PWS will be performed by Tillman.
- Permitting services beyond those specifically included in the Scope of Services are excluded.
- Surveying will be performed by others and is excluded from the Scope of Services and Fee Estimate.
- Environmental investigations for wetlands and endangered species will be performed by others and is excluded from the Scope of Services and Fee Estimate.
- Archaeological surveying and permitting services are excluded from the Scope of Services and Fee Estimate.
- The project site is assumed to be free of soil and groundwater contamination or other unsuitable materials.
- America's Water Infrastructure Act of 2018 (AWIA) Emergency Response Plan revisions or updates are excluded from the Scope of Services and Fee Estimate.
- Spill Prevention, Control, Countermeasure (SPCC) plan preparation, updates, or revisions are excluded from the Scope of Services and Fee Estimate.
- Schedule impacts due to permitting requirements or source water quality may occur and are beyond our control.

**MANHOUR AND FEE ESTIMATE
SALT SPRINGS WATER TREATMENT PLANT DESIGN**

TASK	PROJECT ACTIVITY Task Name	Project Officer/QC	Sr. Project Manager/Sr. QC Engineer	Sr. Engineer (Mech/Elec)	Project Engineer (registered)	Sr. Scientist	Engineer Intern	Sr. CADD Designer	Technical Editor	Sr. Admin. Assistant	Jones Edmunds Direct Labor Cost	Jones Edmunds Direct Manhours	Subcontractor & Direct Materials/Travel Cost	Total Task Cost	% of Project
1	PROJECT MANAGEMENT AND MEETINGS/COORDINATION	0	62	24	0	0	24	0	0	16	\$ 28,110	126	\$ 10,214	\$ 38,324	9.9%
2	PRELIMINARY SITE PLAN AND HYDRAULIC MODELING	0	14	24	12	0	40	16	2	0	\$ 21,240	108	\$ 215	\$ 21,455	5.5%
3	WELL SPECIFICATIONS AND CONSTRUCTION	0	20	0	0	32	0	0	8	0	\$ 13,100	60	\$ 127,297	\$ 140,397	36.2%
4	WTP DESIGN	40	68	164	80	0	136	200	36	0	\$ 146,540	724	\$ 15,588	\$ 162,128	41.8%
5	GEOTECHNICAL SERVICES	0	4	0	0	0	0	0	0	0	\$ 1,060	4	\$ 8,063	\$ 9,123	2.4%
6	FDEP PERMITTING AND PDR	0	12	20	12	0	32	0	5	0	\$ 16,275	81	\$ -	\$ 16,275	4.2%
	TOTAL	40	180	232	104	32	232	216	51	16	\$ 226,325	1103	\$ 161,376	\$ 387,701	100%

SUBCONTRACTED SERVICES (TOTALS):

Subcontractant	Direct Cost	Markup %	Markup Cost	Total Cost	Task
(A) LSG	\$ 116,967.00	7.5%	\$ 8,772.53	\$ 125,739.53	1 and 3
(B) ASRus (Time and Materials)	\$ 10,000.00	7.5%	\$ 750.00	\$ 10,750.00	3
(C) GSE (Geotechnical)	\$ 7,500.00	7.5%	\$ 562.50	\$ 8,062.50	5
(D) GSE (Structural)	\$ 12,000.00	7.5%	\$ 900.00	\$ 12,900.00	4
(E) CADD, Materials, and Travel (Jones Edmunds)	\$ 3,650.00	7.5%	\$ 273.75	\$ 3,923.75	2, 3, & 4
Sub-Total.....	\$ 150,117.00		\$ 11,258.78	\$ 161,375.78	
Direct Labor Cost (Jones Edmunds).....				\$ 226,325.00	
TOTAL PROFESSIONAL FEE AMOUNT				\$ 387,700.78	

SUBCONTRACTED SERVICES & ODCs (TASK BREAKDOWNS):

Task	LSG	ASRus	GSE (Geotech)	GSE (Structural)	ODCs	Totals
1	\$ 9,301.00	\$ -	\$ -	\$ -	\$ 200.00	\$ 9,501.00
2	\$ -	\$ -	\$ -	\$ -	\$ 200.00	\$ 200.00
3	\$ 107,666.00	\$ 10,000.00	\$ -	\$ -	\$ 750.00	\$ 118,416.00
4	\$ -	\$ -	\$ -	\$ 12,000.00	\$ 2,500.00	\$ 14,500.00
5	\$ -	\$ -	\$ 7,500.00	\$ -	\$ -	\$ 7,500.00
6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 116,967.00	\$ 10,000.00	\$ 7,500.00	\$ 12,000.00	\$ 3,650.00	\$ 150,117.00



January 24, 2025

Mr. John Horvath, PE
Jones Edmunds & Associates, Inc.
13545 Progress Blvd., Ste. 100
Alachua, Florida 32615

SUBJECT: Proposal to Assist Jones Edmunds with Salt Springs Well Design and Construction Oversight

Dear John:

We are pleased to submit this proposal for Liquid Solutions Group, LLC (LSG) to provide Jones Edmunds with professional services to assist with the design and permitting of two new 12-inch potable water supply wells at Marion County's Salt Springs Village Water Treatment Plant (WTP). The scope of services includes a kick-off meeting with the County, assistance with well specifications and siting, and construction oversight.

We look forward to working with you. Please do not hesitate to contact me if you have any questions about the attached proposal.

Sincerely,

A handwritten signature in cursive script that reads "Roberto Denis".

Roberto Denis, PE, BC.WRE
Managing Member



Marion County Salt Springs Well Design and Construction

Background

Marion County Utilities (MCU) owns and operates the Salt Springs Village Water Treatment Plant (SSVWTP) which is located on Ocala National Forest property at NE 136 Place. The plant operates under Florida Department of Environmental Protection Public Water Supply Permit No. 3420408.

Marion County Utilities plans to relocate the SSVWTP approximately one mile northwest of the existing site and replace the two potable supply wells with two new 12-inch potable wells at the new site. The existing wells are permitted to withdrawal water from the Upper Floridan Aquifer under St. Johns River Water Management District (SJRWMD) Consumptive Use Permit No.4578.

The following Scope of Services has been prepared for Liquid Solutions Group, LLC (LSG) to assist with the well permitting, design, and bidding and to provide construction oversight during well construction.

Scope of Services

TASK 1 – Kickoff Meeting and Project Coordination

LSG will participate in a kickoff meeting at WTP No.1 with Jones Edmunds and MCU to discuss the project goals and tour the existing facilities. The kickoff meeting will include a discussion of data needs.

This task also includes time to coordinate with the driller and provide weekly updates to Jones Edmunds for a 6-month construction period.

TASK 1 DELIVERABLES

- Electronic copies of Meeting Minutes.

TASK 2 – Well Specifications and Construction

LSG will provide the following for design and bidding of the replacement well:

- Preparation of a letter modification request for the replacement wells (to be submitted to the St. Johns River Water Management District by MCU).
- Preparation of a site map showing the proposed well location and distances to setbacks listed in in Rules 62-532 and 62-555, FAC.
- Review and comments on the technical specifications.
- Attendance at one pre-bid meeting.
- Preparation of a draft response for two addenda to address questions regarding well construction.

LSG will provide the following services during well construction:

- Attendance at one pre-construction meeting to be held onsite.
- Assist with responses to Requests for Information (RFIs).
- Review of up to 8 submittals by the Contractor (construction schedule, drilling and grouting plan, casing, and cement grout).
- Review of up to 8 pay applications.
- Two site visits to observe surface casing lengths and confirm heat stamps match submittal documents.
- Up to six site visits to observe and log drill cuttings.
- Two site visits to observe geophysical logging.
- Two web-meetings to discuss the final casing depths.
- Up to eight site visits to observe cement grouting of the final well casings (2 visits for the bottom 5 feet and 2 visits for the upper 20 feet).
- Up to four site visits to observe well development, collect Rossum sand test readings, and assist the contractor with set-up of data loggers for step-drawdown testing.
- Up to four site visits to observe and document abandonment of the existing wells.
- Two site visits to observe step-drawdown testing and final water quality sampling of the wells.
- Up to four site visits for final video and well alignment testing.
- Preparation of draft and final copies of the Well Completion Reports.

TASK 2 DELIVERABLES

- Electronic copy of daily logs for each site visit.
- Draft and final copies of the Well Completion Reports.

Schedule

LSG will begin work on this project upon receipt of a signed Task Authorization and Notice to Proceed (NTP) from Jones Edmunds. The final schedule will be coordinated with Jones Edmunds and the Drilling Contractor.

Exclusions and Conditions

The following items are exclusions to or conditions of this Scope of Services.

- The Water Use Permit modification is limited to a request detailing the proposed location and well construction details. Changes in permit allocation, groundwater modeling and/or other environmental analyses are not included.
- We assume all water quality sampling and equipment will be provided by others.
- We assume a construction schedule of 3 months or less for each well.
- We assume that Jones Edmunds will provide a turbidity meter for confirming final water quality.
- We assume that the pressure transducers for the step-drawdown testing will be provided by others.
- We have included time for limited construction oversight detailed above. If the well

must be abandoned or re-drilled for any reason, additional oversight and site visits are outside the scope of services.

Compensation

LSG proposes to complete the work detailed in Tasks 1 and 2 for a not to exceed amount of \$116,967. Payment will be billed on a Time and Materials basis at the hourly rates shown in the fee estimate in Table 1.

**Table 1
Fee Estimate**

Task	LSG Labor		Budget
	Engineer P11	Geologist P8	
	\$254.2	\$194.4	
Task 1 – Kickoff meeting & Project Coordination	6	40	\$9,301
Task 2 – Well Specifications and Construction	32	512	\$107,666
Total Hours and Costs	38	552	\$116,967



Engineering & Consulting, Inc.

January 28, 2025

John H. Horvath, P.E.
Jones Edmunds
13545 Progress Boulevard, Suite 100
Alachua, Florida 32615

Proposal for a Geotechnical Site Exploration
Proposed Salt Springs Water Treatment Plant
Salt Springs, Marion County, Florida
GSE Proposal No. 2025-053

GSE Engineering & Consulting, Inc. (GSE) is pleased to present this proposal for providing a geotechnical exploration to assist with the design of a water treatment plant (WTP) in Salt Springs, Marion County, Florida.

This proposal outlines our understanding of the project, presents our proposed scope of services, and contains a schedule and our fees for providing these services.

PROJECT DESCRIPTION

This project will consist of a new WTP. The site is located on the west side of E County Road 316 north of the Marion County Fire Rescue Station No. 15 in Salt Springs, Florida.

The project will consist of a small, prefabricated concrete building, two hydro-pneumatic tanks of approximately 10,000 gallons each set side by side, and driveways and parking. The project may include a stormwater management facility.

GSE reviewed recent aerial photographs of the site. The site is open lawn next to an athletic field. We do not foresee any access constraints.

We propose to perform a geotechnical exploration at the site to provide recommendations to assist with foundation, stormwater management, and pavement designs. The following section outlines our proposed scope of services.

GEOTECHNICAL PROPOSED SCOPE OF SERVICES

The following proposed scope of services is based on our review of the provided information and our experience with similar projects.

- Clear utilities at the site through Sunshine One Call.
- Mobilize to the site with truck mounted or all-terrain drilling equipment.
- Advance two (2) Standard Penetration Test (SPT) borings; one to a depth of 40 feet below land surface (bls) and one to a depth of 15 feet bls.
- Advance two (2) auger borings to a depth of 5 feet bls within the proposed pavement areas.

GSE Engineering & Consulting, Inc.
5590 SW 64th Street, Suite B
Gainesville, Florida 32608
352-377-3233 Phone • 352-377-0335 Fax
www.gseengineering.com

EXHIBIT A - SCOPE OF SERVICES AND FEE SCHEDULE

*Proposal for a Geotechnical Site Exploration
Proposed Salt Springs Water Treatment Plant
Salt Springs, Marion County, Florida
GSE Proposal No. 2025-053*

January 28, 2025

- Advance two (2) auger borings to a depth of 15 feet bls in the stormwater management facility area.
- Perform visual classification of the soil samples obtained from the soil borings to confirm field classifications.
- Perform soil laboratory classification tests on representative samples, as considered appropriate. These tests may include the percent soil fines passing the No. 200 sieve determinations natural moisture content determinations, and constant head permeability tests.

The above scope of services has been determined based upon the information provided about the project at the time of this proposal. If the site plan or project information changes between now and the time of our exploration, we request the opportunity to possibly revise the above scope of services.

Our services will be provided under the direction of a Geotechnical Engineer registered in the State of Florida. The results of the exploration will be presented in a geotechnical engineering report. This report will specifically address the following items:

- Existing site conditions.
- Exploration, testing and sampling methods.
- Subsurface soil conditions encountered and soil classifications, including any unsuitable materials encountered.
- Depth to groundwater at the time of the exploration and estimated seasonal high.
- Foundation design recommendations.
- An estimate of foundation settlement based on available data.
- A review of surface features and site conditions that could affect construction and site preparation.
- Preliminary flexible pavement design recommendations.
- Recommendations for site preparation and construction of compacted fills or backfills for the building and pavement areas.
- Recommendations for earthwork and foundation construction monitoring and testing.
- Recommended soil and groundwater parameters to assist in the stormwater management facility designs. These parameters include the following:
 - Base elevation of effective or mobilized aquifer (feet below land surface).
 - Normal seasonal high groundwater table and actual observed water table at the time of drilling within the pond(s) footprint (feet below land surface).
 - An estimate of the average weighted horizontal hydraulic conductivity and unsaturated vertical infiltration rate (feet/day) for mobilized aquifer.
 - Specific yield or fillable porosity of mobilized aquifer (%).
- A discussion of the suitability of the soils that may be excavated from the site for use as structural fill.

Proposal for a Geotechnical Site Exploration
Proposed Salt Springs Water Treatment Plant
Salt Springs, Marion County, Florida
GSE Proposal No. 2025-053

January 28, 2025

PROJECT SCHEDULE

Based upon our current schedule we can mobilize within 1 week to perform the soil borings. We anticipate completing our exploration and issuing our geotechnical report within 4 weeks of authorization. We will verbally transmit our findings and conclusions as they become available and are developed prior to the report submission.

FEE

Based upon our understanding of the project and scope of work presented above, we can perform the proposed geotechnical scope of services for a lump sum fee of **\$7,500**. If additional services are required, these could be provided as an addendum to this proposal. We will not exceed our fee without your prior authorization for an increase in our scope of services.

AUTHORIZATION

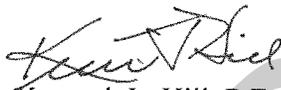
To formally authorize us to proceed with this project please return to us your subcontract agreement for our execution. A fully executed subcontract executed by both parties shall act as a Notice to Proceed.

CLOSURE

We appreciate the opportunity to submit this proposal and we look forward to the possibility of working with you on this and future projects. If you have any questions, or if we can provide any additional information, please call us.

Sincerely,

GSE Engineering & Consulting, Inc.


Kenneth L. Hill, P.E.
Principal Engineer


Kevin P. Fisher, E.I.
Project Engineer

KLH/KPF:tlf
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Distribution: Addressee (1)
File (1)



Engineering & Consulting, Inc.

February 3, 2025

John H. Horvath, P.E.
Jones Edmunds
13545 Progress Boulevard, Suite 100
Alachua, Florida 32615

Proposal for Structural Design Services
Salt Springs Water Treatment Plant
Salt Springs, Marion County, Florida
GSE Proposal No. 2025-054

GSE Engineering & Consulting, Inc. (GSE) is pleased to present this proposal for providing structural design services for the subject project.

This proposal outlines our understanding of the project, presents our proposed scope of services, and contains a schedule and our fees for providing these services.

PROJECT DESCRIPTION

This project consists of the design of slabs and footings for an electrical building, well and above-ground discharge piping, and hydropneumatics tanks, along with designing a concrete base for wells, for a new Water Treatment Plant located on the west side of E County Road 316 north of the Marion County Fire Rescue Station No. 15 in Salt Springs, Florida.

You have requested that GSE provide structural drawings and sketches for the new Water Treatment Plant. GSE proposes providing the following scope of services.

SCOPE OF SERVICES

- Review construction documents (if any).
- Perform initial site visits during design to observe the existing site conditions (if necessary).
- Virtually attend interim team meetings during design.
- Provide structural drawings and sketches, as required for milestone deliverables including any necessary conformance and record documents.
- Provide responses to RFI and Shop Drawing submissions.

GSE Engineering & Consulting, Inc.
5590 SW 64th Street, Suite B
Gainesville, Florida 32608
352-377-3233 Phone • 352-377-0335 Fax
www.gseengineering.com

EXHIBIT A - SCOPE OF SERVICES AND FEE SCHEDULE

Proposal for Structural Design Services
Salt Springs Water Treatment Plant
Salt Springs, Marion County, Florida
GSE Proposal No. 2025-054

February 3, 2025

PROJECT SCHEDULE

We will verbally transmit design criteria throughout the project to ensure efficient design/construction timelines. Our submission of structural sketches and drawings for construction activities will be delivered at established milestones within the project schedule. We will review and answer RFIs, change requests, and shop drawings within 6 working days of receiving them.

FEE

Based upon our understanding of the project, and the scope of the work presented above, we are requesting the following lump sum fees for our services outlined above:

- Design services: **\$12,000**
- Services During Construction: **\$3,000**

If additional field services are required, these could be provided at an additional cost of \$1,000 per site visit. If additional design services are required, that are outside the scope of the services listed above or following the submission of the structural drawings, these could be provided at an additional cost of \$165 per hour. We will not exceed our fee without your prior authorization for an increase in the scope of services.

AUTHORIZATION

To formally authorize us to proceed with this project please return to us your subcontract agreement for our execution. A fully executed subcontract executed by both parties shall act as a Notice to Proceed.

CLOSURE

We appreciate the opportunity to submit this proposal, and we look forward to the possibility of working with you on this and future projects. If you have any questions, or if we can provide any additional information, please call us.

Sincerely,

GSE Engineering & Consulting, Inc.


Everett L. Skipper, E.I.
Staff Engineer


Kenneth L. Hill, P.E.
Principal Engineer

ELS/KLH:tlf
Q:\Proposals\2025 Proposals\2025-054 Salt Springs Water Treatment Plant - STR\2025-054 Structural Proposal.doc

Distribution: Addressee (1)
File (1)

JCH

Consulting Group, Inc.

Surveying & Mapping - G.I.S
Land Development - Planning - Environmental
426 SW 15th Street
Ocala, FL 34471
Phone 352-405-1482

December 16, 2024

Evan Allard, E.I.
Tillman & Associates Engineering, LLC
1720 SE 16th Avenue, Building 100
Ocala, FL 34471

RE: Salt Springs Water Treat Plant

Evan,

Thank you for considering JCH Consulting Group. After reviewing materials from our office, I have determined a fee listed below for the requested services. This will include the following tasks on the project as depicted above in Marion County, Florida:

• **Task #1 Route Survey:**

- NE 143rd Street– right-of-way to right-of-way, starting at the intersection with the southern boundary of Parcel No: 12082-001-00 and heading south approximately 1,800 feet. Shown on Exhibit A.
- Location of any improvements within the routes that will interfere with the design or construction of an underground pipeline (including but not limited to roadways, driveways, above ground improvements, drainage structures, manholes, vaults, underground utilities, trees, etc.).
- Locate all surface evidence of utilities along the route, as well as utility marks as delineated by requesting through Sunshine State One Call.
- Horizontal and Vertical control with appropriate ties to permanent monumentation. Horizontal and Vertical control shall be established at approximately 1,000 foot intervals along the route.

EXHIBIT A - SCOPE OF SERVICES AND FEE SCHEDULE

- Any monumentation evidence of existing rights-of-way along the route shall be located. The right-of-way and private property boundaries along the route shall be determined by existing field monumentation, plats recorded, right-of-way maps and/or deeds.
 - Topographic survey shall be provided with a surface and 1-foot vertical contours.
 - Survey shall include stationing along the alignment as well as property lines for parcels bordering the rights-of-way. Survey to utilize FDOT/MCTD historic roadway stationing if available.
 - Horizontal & Vertical data will meet or exceed Standards of Practice as set forth by the Florida Board of Professional Surveyors and Mappers in Chapter 5J-17.050-052, Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.
 - State Plane Coordinates
 - Vertical datum will be on NAVD 1988
 - Contours will be collected on a 100' grid
 - Contours will be shown on a 1' for minor, and 5' for major
- **Task #2 Boundary & Topographic Survey:**
 - State Plane Coordinates will be referenced to Florida West State Plane Coordinate System, NAD-83, 2011 adjustment.
 - Horizontal and Vertical data will meet or exceed Standards of Practice as set forth by the Florida Board of Professional Surveyors and Mappers in Chapter 5J-17.050-052, Florida Administrative Code, pursuant to Section 472.027, Florida Statutes
 - Indicate whether or not the property is located in a flood zone(s). Indicate the FEMA flood zone map(s) reference and the specific flood hazard zone in which the property is located (Zone A, B, C, etc.). If property has multiple flood zone classifications, show and identify each flood zone and mark the contour lines of each flood zone on the survey.
 - Locate and provide topography at all above ground improvements
 - Tree's 10" larger
 - Locate existing conditions along contiguous roadways
 - Vertical datum will be on NAVD 1988
 - Contours will be shown on a 1' for minor, and 5' for major

Classification	Rates	Classification	Rates
Professional Surveyor/Mapper	\$130	2 Person Survey Crew	\$110
CAD Technician	\$75	3 Person Survey Crew	\$130
Clerical	\$45	Vvh in pavement	\$550 ea
GIS/Mapping Technician	\$75	Vvh out of pavement	\$400

EXHIBIT A - SCOPE OF SERVICES AND FEE SCHEDULE

	Professional Surveyor / Mapper	CAD Tech	Clerical	2 Person Surveyor Crew	Total
Price / Hr,	\$130.00	\$75.00	\$45.00	\$110.00	
Coordination	12	16	2		
Control		8		32	
Topographic Collection	16	8		32	
QA/QC	16				
Total	\$5,720.00	\$4,800.00	\$90.00	\$7,040.00	\$17,650.00

- **Deliverables:**

Final survey deliverables are as follows:

- 1 compact disc (CD) containing the electronic survey file in AutoCAD Civil 3D 2025 format and PDFs of 24"x36" survey maps. The AutoCAD files shall include the Civil 3D .XML file for existing ground surface and survey baseline and the complete ASCII file of all coordinate data in a comma delimited format.
- 2 copies of the 24"x36" survey maps signed and sealed by a licensed Professional Land Surveyor of the State of Florida.

Once the proposal is authorized, we anticipate a completion date of 30-40 days subsequent to. The requested services will be delivered in an electronic drawing file in Civil 3D 2018 format and plotted 22"x34" maps. Upon completion, an invoice will be delivered with the final map and drawing file. Payment will be due within 30 days of the invoice date.

Terms of this proposal are valid for 30 days from date of proposal. If you have any questions regarding this proposal, or for any further information, please do not hesitate to call.

Sincerely,

Chris Howson

Chris Howson, P.S.M., C.F.M., (FL., MS)
 President
 JCH Consulting Group, Inc.



12082-001-00

Salt Springs WWTF

Private

Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, Maxar, Earthstar Geographics, and the GIS User

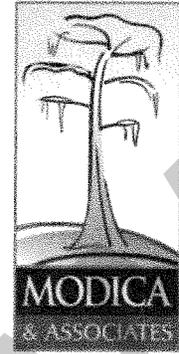
All data, information, and maps are provided "as is" without warranty of any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. Marion County makes no warranties, express or implied, as to the use of the information obtained here. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts all limitations, including the fact that the data, information, and maps are dynamic and in a constant state of maintenance, correction and update. The requester, as to the results and performance of any information obtained from Marion County is solely responsible for the information. Any person who uses any information available from Marion County AGREES THAT THERE ARE NO REMEDIES FOR BREACH OF WARRANTY OR CONTRACT INCLUDING, BUT NOT LIMITED TO CONSEQUENTIAL, INDIRECT, PUNITIVE OR INCIDENTAL DAMAGES.

	User Name: mark.thomas Date: 4/10/2024 Reference Scale: 1" = 400' Approved By: n/a	<h2>Location of Proposed Salt Springs WTP</h2>	Marion County Utilities Water & Sewer Map	
	Marion County Board of County Commissioners Utilities Department			
	User Name: mark.thomas Date: 4/10/2024 Reference Scale: 1" = 400' Approved By: n/a			
	Marion County Utilities Water & Sewer Map			

Via Email: JMcPherson@Tillmaneng.com

December 10, 2024

Jeff McPherson
Project Engineer
Tillman & Associates Engineering
1720 SE 16th Ave., Bldg 100
Ocala, FL 34471



ENVIRONMENTAL
PLANNING
DESIGN &
PERMITTING

**Re: Proposal for Ecological Assessment
NE 250th Avenue – Marion County, Florida**

Dear Jeff:

Attached is a proposal to conduct an Ecological Assessment on the 8.75± acre NE 250th Avenue generally located west of E. Hwy 316 and east of NE 250th Avenue in Marion County, Florida. The Marion County Property Appraiser identifies the property as a small portion of Parcel Identification Number 12082-001-00.

A written report, complete with a GIS map series, will be prepared to detail the project site conditions and to outline environmentally related regulatory agency jurisdiction and development constraints, if any. The report will outline the regulatory permitting process for each local, state and/or federal agency that has jurisdiction over the property and associated natural resources.

Modica & Associates appreciates the opportunity to provide you with our services. Please contact me if you have any questions regarding the attached proposal.

Sincerely,



Clark Modica

PHONE 352.394.2000 FAX 352.394.1159
102 AMBASSADOR ROAD CLEMONT, FLORIDA 34515
WWW.MODICAANDASSOCIATES.COM

**PROPOSAL FOR ECOLOGICAL ASSESSMENT
NE 250TH AVENUE
MARION COUNTY, FLORIDA**

December 10, 2024

SCOPE OF SERVICES

The following Scope of Services is proposed for the 8.75± acre NE 250th Avenue generally located west of E. Hwy 316 and east of NE 250th Avenue in Marion County, Florida. The Marion County Property Appraiser identifies the property as a small portion of Parcel Identification Number 12082-001-00.



Task 2: Ecological Assessment

1. Modica & Associates (M&A) will review all existing publicly available databases and technical information, to include aerial photographs, soils maps, quad maps and existing literature on listed species that could occur within the project corridor, and other ecological constraints that could affect development and/or cost of acquisition of the Property.

A search of Florida's Water Permitting Portal will be conducted to determine if any permits have been issued for the Property. This task also includes review of Marion County's Land Development Code for any Ordinances relevant to wetlands and natural resources. This desktop research will be conducted to prepare for the site inspection.

2. M&A will conduct an on-site inspection to evaluate the different land uses and community types, and to determine the wildlife use of the project site. This evaluation will document the vegetation on the project site and a list of wildlife observed, with specific attention given to the presence of wildlife species "listed" by



the Florida Fish & Wildlife Conservation Commission (FWC) and the U.S. Fish & Wildlife Service (USFWS). The location of any wildlife observations of significance (i.e. gopher tortoise burrows, bald eagle nests, etc.) will be recorded using a hand-held GPS. This site inspection does not constitute a comprehensive 100% gopher tortoise survey. The survey will be general in nature for all listed wildlife. Formal wildlife surveys can be conducted as Additional Services if the initial site inspection documents the need for such surveys.

3. Following completion of the field work, M&A will prepare a written Ecological Assessment report detailing the results of the on-site inspection. This report will discuss the on-site land uses and wildlife observed. A map series of the property will be prepared using ArcGIS software to accompany the report and will include an aerial, soils map, land use map, and a wildlife use map as applicable. This map series will also include a survey transect map as required by the Marion County LDC's. The report will detail permitting requirements and any development constraints associated with wetlands and/or wildlife as applicable. This report will address any requirements associated with local ordinances and will be sufficient to support land development applications with Marion County.

Cost: \$4,000.00

Task 3: Reimbursable Expenses

Mileage will be billed at \$0.67 per mile, or the current rate published by the IRS at the time of work.

Cost Budget: \$75.00

ADDITIONAL SERVICES

Any tasks not detailed in the above Scope of Services can be added at the request of the Client and will be considered Additional Services. Such tasks may include, but are not limited to: wetland delineation, comprehensive wildlife surveys, wildlife impact or relocation permitting, wildlife relocation, meetings with Client and Engineer, Environmental Resource Permitting, mitigation design work, mitigation monitoring, etc.

**PROPOSAL FOR ECOLOGICAL ASSESSMENT
NE 250TH AVENUE
MARION COUNTY, FLORIDA**

December 10, 2024

BILLING

Any work not described in the Scope of Services will only be undertaken after being approved by the Client. Any work performed and billed on this project which remains unpaid after 60 days from initial billing shall be charged 1.5% interest per month. Any balance remaining unpaid after 90 days from the date of the initial billing shall be deemed in default with reasonable collection and attorney's fees due and payable.

AUTHORIZATION TO PROCEED

Accepted by:

Printed Name Title

Person to
receive billing:

Billing address:

Billing phone:

Billing email:

Billing fax:

Date authorized
to begin work:
