



April 30, 2025

Glenn Whitcomb
Public Works Director
City of Deltona
2345 Providence Blvd.
Deltona, FL 32725

Email: gwhitcomb@deltonafl.gov

**SUBJECT: SCOPE OF SERVICES AND FEE ESTIMATE
ARCHITECTURAL/ENGINEERING SERVICES FOR DESIGN AND
PERMITTING, RFQ #24034
DELTONA LAKES WATER RECLAMATION FACILITY**

Dear Glenn,

It is our pleasure to provide the enclosed scope of services and fee estimate for professional engineering services for a new 1.5 MGD advanced wastewater treatment facility for the Deltona Lakes Service Area. Mead & Hunt is excited to commence design for this important regional project. The enclosed scope, fee estimate, and rate schedule constitutes exhibits A and B, to the above referenced contract under RFQ #24034.

The project scope entails construction of a new 1.5 MGD capacity in the Deltona Lakes service area to be constructed on the Alexander Avenue Water Resources site. Proposed effluent design parameters shall provide for advanced wastewater treatment (AWT) of 5-5-3-1 for CBOD, TSS, TN and TP, respectively. Professional services to be provided include survey, geotechnical, biological, treatment process, mechanical, architectural, structural, electrical and I&C. Supplemental services include grant/funding assistance and CMAR support for guaranteed maximum price (GMP) negotiation. This scope of services does not include construction phase services. Construction phase services are not included within this contract and a scope of services and fee estimate for that task will be submitted upon determination of the final project scope and GMP.

For this project, we have engaged Kimley-Horn as a major subconsultant to provide specific treatment process design phase services. We have also engaged subconsultants for survey, geotechnical, and electrical subconsulting services. The proposed subconsultants are: Southeastern Surveying and Mapping (SSMC), Bechtol Engineering and Testing (BET) and Bailey Engineering Consultants (BEC), respectively.

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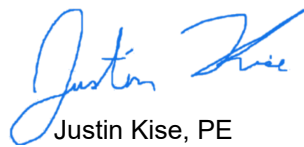
The enclosed scope of services and fee estimate detail the proposed services, deliverables, schedule and fees. Mead & Hunt appreciates this opportunity to be of service. I will be the primary point of contact for Mead & Hunt. I may be reached via e-mail at brad.blais@meadhunt.com. If you have any questions or require additional information, please contact me.

Sincerely,

MEAD & HUNT, Inc.



Brad Blais, PE
Client Manager



Justin Kise, PE
Business Unit Leader

BTB/JK;bf

Enclosure: Scope of Services and Fee Estimate
 Bechtol Engineering and Testing Fee Estimate
 SSMC Scope and Fee Estimate
 Mead & Hunt 2025 Standard Rates and Fees

**CITY OF DELTONA
EXHIBIT A, SCOPE OF SERVICES AND FEE ESTIMATE FOR
DESIGN PHASE SERVICES
ARCHITECTURAL/ENGINEERING SERVICES FOR DESIGN AND PERMITTING, RFQ #24034
DELTONA LAKES WATER RECLAMATION FACILITY**

This Scope of Services is in conformance with the Contract Agreement for **RFQ #24034, 'Water Reclamation Facility Final Design and Permitting Services'** dated _____, between City of Deltona (OWNER) and Mead & Hunt, Inc. (MEAD & HUNT) and is referred to herein as the Contract.

GENERAL

The scope of work includes: planning, research and field investigation; preparation of preliminary and final engineering reports; surveying; final design and construction plans; cost estimation; preparation of bid documents; plans, specifications and addenda; regulatory permit applications preparation, responses to regulatory agency RAIs, and approval support; and other related professional services associated with the design and engagement of Construction Manager at Risk (CMAR) contractor for construction of the Deltona Lakes Water Reclamation Facility.

This proposal is based upon a design concept wherein the existing wastewater treatment plant (WWTP) at the existing 'Fisher' site will be abandoned and demolished. A sewage lift station will be constructed on that site and flow will be pumped to the existing Alexander Ave. RIBS site. The new advanced water reclamation facility (AWRF) will be constructed on this site.

The proposed treatment facility will have an annual average daily flow (AADF) capacity of 1.5 MGD and a peak day flow (PDF) capacity of 3.0 MGD. The treatment process shall be capable of treating domestic sewage to achieve effluent meeting advanced wastewater treatment (AWT) standards of 5-5-3-1 for BOD, TSS, TN and TP, respectively. Facility will meet FDEP requirements for Class 1 reliability and redundancy. Unit processes and structures proposed for construction are as follows:

- Headworks with screening and grit removal.
- Flow equalization, mixing, aeration and pumping.
- Dual train membrane bio-reactor treatment basin and process equipment.
- 1.5 MG Reject Storage Tank.
- Solids Handling Facility.
- Master Pump Station at Fisher WWTP.
- Demolition and Abandonment at Fisher.
- Administration building with lab and breakroom.
- Electrical distribution building and emergency power facilities.
- Associated PC/SCADA control, instrumentation, and monitoring equipment.

Specific Services for this project may include but not be limited to:

Preliminary Evaluation, Analysis and Facility Planning

- Perform an analysis of constructing a new facility at the existing Fisher WWTP site vs. relocating all new facilities to the Alexander Ave. site.
- Value engineering analysis of the MBR treatment method to include capital costs, life cycle costing, and long term operational and maintenance costs.
- Prepare a FDEP Clean Water State Revolving Fund (CWSRF) Facility Plan to support the \$22M Water Quality Improvement/Springs Protection grant and SRF Loan for the City's cost share portion.
- Prepare a Basis of Design Report (BODR) and process design calculations for the treatment works and supporting facilities.
- Develop a preliminary schedule, establish performance standards for the wastewater reclamation treatment processes, and budget estimate for the MBR process and treatment plant components.
- Force Main and Pumping Analysis.

Design, Permitting and CMAR Support Services

- Provide survey and topographical services as necessary.
- Prepare design plans and technical specifications with document review at 30%, 60% and 90% completion for the project site, wastewater treatment facilities, associated buildings, equipment, control and SCADA systems, instrumentation, electrical components, alternative effluent disposal facilities, stormwater facilities, roadways, and ancillary site components.
- Designs and reports shall meet the requirements and be in accordance with FDEP regulations, Chapters 62-600 and 62-610, F.A.C. for the treatment of domestic wastewater and reuse of reclaimed water.
- Provide design schedule details, project scope, establish performance standards as appropriate, and an engineer's preliminary cost estimate.
- Coordinate and manage various design and review meetings.
- Direct oversight of the production and certification of construction documents including plans, specifications, and miscellaneous contract documents.
- Provide geotechnical services as necessary.
- Prepare permit applications and submit all required permits or approvals from regulatory agencies on behalf of the City of Deltona, including but not limited to FDEP, SJRWMD, and EPA.
- Prepare bid documents, including technical specifications, quantities summary, and Engineer's opinion of probable cost of construction.
- Provide design phase CMAR support required for 60%, 90% and final Guaranteed Maximum Price (GMP) determination.

Construction and Contract Management Services

- Not included at this time, a separate Work Authorization (WA) will be executed upon determination of the 90% GMP from the CMAR contractor.

SCOPE OF SERVICES

After receipt of authorization to proceed, MEAD & HUNT will provide the following services:

PHASE 1 – PROJECT MANAGEMENT

Project Coordination

MEAD & HUNT'S Project Manager (PM) will monitor and manage the project budget, schedule, and scope throughout the estimated fifteen (15) month project duration. The PM will manage the development of project work and subconsultant efforts.

Project Kick-Off Meeting

MEAD & HUNT will coordinate and conduct project kick-off meeting with the project team and OWNER staff to review project goals, scope of work, team member roles, lines of communication, project schedule and administrative processes. Following the meeting, MEAD & HUNT will prepare a written summary of the project meeting and distribute it to the attendees.

Quality Assurance / Quality Control

MEAD & HUNT will implement, and the PM will monitor, a quality assurance and control process, which includes independent technical review of project technical work products before their submission to the OWNER.

Deliverables – Project Management

- Kick-Off Meeting Agenda and Summary

PHASE 2 – DATA COLLECTION AND SITE RECONNAISSANCE

Subconsultant Work Coordination

MEAD & HUNT will coordinate with the subconsultants to manage and implement the Project. This phase includes up to two (2) internal project collaboration meetings between MEAD & HUNT and its subconsultants to coordinate and implement work efforts. The subconsultants that will be part of the project team are detailed in Subconsultants and Reimbursables Phase below.

Utility Coordination

MEAD & HUNT will coordinate with existing utilities along the project route by submission of 60% electronic construction drawings to all utility companies identified by the Sunshine 811 Design Ticket and

request markups of existing facilities and resolution of any estimated conflicts with the proposed improvements. MEAD & HUNT will discuss the potential conflicts with the utility company representatives to coordinate the relocation needs as needed. MEAD & HUNT will add information to the construction drawings based on the received utility markups and planned relocations.

Site Reconnaissance

MEAD & HUNT will conduct site visits to verify existing conditions and collect photographic and other data collection needed for the design.

PHASE 3 – PRELIMINARY EVALUATION, ANALYSIS AND FACILITY PLAN

Preliminary Design Report

MEAD & HUNT will prepare and provide the following:

- Perform an analysis of constructing new facility at the existing Fisher WWTP site vs. relocating all new facilities to the Alexander Ave. site.
- Value engineering analysis of the MBR treatment method to include capital costs, life cycle costing, and long term operational and maintenance costs.
- Prepare a FDEP Clean Water State Revolving Fund (CWSRF) Facility Plan to support the \$22M Water Quality Improvement/Springs Protection grant and SRF Loan for the City's cost share portion.
- Prepare a Basis of Design Report (BODR) and process design calculations for the treatment works and supporting facilities.
- Develop a preliminary schedule, establish performance standards for the wastewater reclamation treatment processes, and budget estimate for the MBR process and treatment plant components.

PHASE 4 – PROJECT DESIGN

Design concepts developed during the BODR phase will be advanced from 30% to 100% during the Project Design phase. Design documents will be prepared for the following project unit processes and elements:

- <i>Civil/Site/Yard Piping</i>
- <i>Headworks and Flow Equalization</i>
- <i>1.5 MGD Membrane Bioreactor</i>
- <i>Reject Storage</i>
- <i>Residuals Handling</i>
- <i>Administration and Lab Building</i>
- <i>MPS at Fisher (M&H)</i>
- <i>Offsite Force Main Improvements</i>
- <i>Electrical and Instrumentation</i>
- <i>Demolition at Fisher</i>

Task 1 – 30% Design Development

MEAD & HUNT will prepare 30% design level drawings and specifications. The OWNER's standard front-end contract documents will be used and coordinated with MEAD & HUNT's technical specifications.

The 30% submittal package will be submitted to the OWNER for review and comment. The submittal will include the items shown in the deliverable section below. It is assumed the OWNER will conduct their review in a two-week period. At the end of the OWNER's review period, MEAD & HUNT will schedule and attend a 30% design review meeting to review the OWNER's comments on the design drawings and specifications.

Deliverables – 30% Design

- 30% Design Drawings (electronic PDF format)
- 30% Specifications (electronic PDF format)
- 30% EOPCC (electronic PDF format)
- 30% Design Review Meeting Summary (electronic PDF format)

Task 2 – 60% Design Development

Based on the General section above, after OWNER's Preliminary Design Phase review comments received, MEAD & HUNT will prepare 60% design level drawings and specifications. The OWNER's standard front-end contract documents will be used and coordinated with MEAD & HUNT's technical specifications.

The 60% submittal package will be submitted to the OWNER for review and comment. The submittal will include the items shown in the deliverable section below. It is assumed the OWNER will conduct their review in a two-week period. At the end of the OWNER's review period, MEAD & HUNT will schedule and attend a 60% design review meeting to review the OWNER's comments on the design drawings and specifications.

It is assumed that the City's CMAR Contractor will be engaged at this point in the design development phase. MEAD & HUNT will provide 60% plans to the CMAR contractor. The CMAR contractor will provide subsequent pricing from this point forward in the design process.

Deliverables – 60% Design

- 60% Design Drawings (electronic PDF format)
- 60% Specifications (electronic PDF format)
- 60% Design Review Meeting Summary (electronic PDF format)

Task 3 – 90% Design Development

Based on the OWNER's 60% review comments received, MEAD & HUNT will prepare revised design drawings and specifications to 90% design level completion. MEAD & HUNT will prepare an updated EOPCC based upon the 90% submittal documents.

The 90% submittal package will be prepared and submitted to the OWNER and permitting agencies for review and comment. The submittal will include the items shown in the deliverable section below. It is assumed the OWNER will conduct their review in a two-week period. At the end of the OWNER's review period, MEAD & HUNT will schedule and attend a 90% design review meeting to review the OWNER's comments on the design drawings and specifications.

Deliverables – 90% Design

- 90% Design Drawings (electronic PDF format)
- 90% Specifications (electronic PDF format)
- 90% Design Review Meeting Summary (electronic PDF format)

Task 3 – Final Issued for Construction Design

Based on the OWNER's 90% review comments received, MEAD & HUNT will prepare revised design drawings and specifications to final completion. MEAD & HUNT will prepare an updated EOPCC based upon the Issued for Construction (IFC) submittal documents.

The 100% submittal package will be submitted to the OWNER. The submittal will include the items shown in the deliverable section below.

Deliverables – Final Design

- Final Design Drawings (electronic PDF format)
- Final Specifications (electronic PDF format)

PHASE 5 – PERMITTING ASSISTANCE

MEAD & HUNT shall prepare and submit permit applications for the project as detailed below. Permit fees will be paid by MEAD & HUNT and reimbursed by the Owner. The exception to this would relate to any mitigation costs or fees in excess of the permit application fees for the FDEP permits. Certifications of Completion (COC) with respective permitting agencies are not included in this phase.

Environmental Resources Permit

MEAD & HUNT will attend a pre-application meeting with FDEP to discuss permitting requirements. MEAD & HUNT will prepare an agenda and meeting summary. After the pre-application meeting, necessary revisions to the design recommendations will be reviewed with the OWNER and incorporated into the design documents.

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MEAD & HUNT will prepare and submit the permit application in accordance with the permit requirements. Permit applications will be submitted after the 90% design has been reviewed and accepted by the OWNER.

MEAD & HUNT will respond to request for additional information (RAI) as part of the permit application process.

FDEP Wastewater Facility Construction Permit

MEAD & HUNT will attend up to one (1) pre-application meeting with FDEP to discuss permitting requirements. MEAD & HUNT will prepare an agenda and meeting summary. After the pre-application meeting, necessary revisions to the design recommendations will be reviewed with the OWNER and incorporated into the design documents.

MEAD & HUNT will prepare and submit the permit application in accordance with the permit requirements. Permit applications will be submitted after the 90% design has been reviewed and accepted by the OWNER.

MEAD & HUNT will respond to Request for Additional Information (RAI) as part of the permit application process.

County Right-of-Way Use Permit

MEAD & HUNT will prepare and submit the permit application in accordance with the permit requirements. Permit applications will be submitted after the 90% design has been reviewed and accepted by the OWNER.

Site Plan Approval

MEAD & HUNT will attend a pre-application meeting with the OWNER's site planning department to discuss site plan requirements. MEAD & HUNT will prepare an agenda and meeting summary for the meeting.

MEAD & HUNT will prepare and submit the permit application in accordance with the permit requirements. Permit applications will be submitted after the 90% design has been reviewed and accepted by the OWNER.

PHASE 6 – DESIGN PHASE CMAR ASSISTANCE SERVICES

The OWNER will be responsible for the solicitation and selection of the CMAR contractor for this project. Design phase CMAR support services are an integral part of the CMAR process and a key element in development of the final design and negotiation of a Guaranteed Maximum Price (GMP). The final GMP

should represent a good value for the City and an adequate price to properly construct the treatment works in accordance with the plans, specifications, state and federal guidelines.

During this phase of the work, the OWNER, MEAD & HUNT and the CMAR Contractor will participate in a series of meetings during the development of the 60%, 90% and Final construction plans and specifications. MEAD & HUNT will maintain a log of all meetings and contractor's request for information (RFI's) during the plan review and comment period through Final GMP development. Construction phase CMAR support services will be incorporated into the Construction Phase Services Work Authorization.

PHASE 7 – FUNDING ASSISTANCE

MEAD & HUNT will provide funding assistance to the OWNER to assist in managing outside funding sources for this project. This project has already received \$1.5M in Design Phase funding under the terms of LPA0510 and \$22M in funding from the FDEP for Water Quality Improvement and Springs Protection. Assistance will consist of managing existing funding sources through design and searching for additional funding for which the project is eligible, developing a schedule for applying for funding, applying for the funding, and providing compliance assistance for the funding selected.

This assistance includes:

Funding Applications to the Cognizant Agency

Additional funding sources, in addition to those already secured, will be pursued and application packages submitted.

Grant Work Plan Application

MEAD & HUNT will prepare a grant work plan application package. The application package generally consists of a project description, schedules and cost estimate. The completed application package needs to be submitted to the funding agency by May 15, 2025.

Authority to Award Documents

MEAD & HUNT will contact the Project Manager, Engineer, and the OWNER to obtain the following documents and organize all information together to provide to funding agencies:

MEAD & HUNT will review the contractor's proposal for a list of M/WBE subcontractors. If a list is provided within the contractor's proposal MEAD & HUNT will cross-reference SAM.gov for subcontractor's registration and exclusion records. However, if a list is not provided, MEAD & HUNT will request the list from the contractor.

MEAD & HUNT will request from the contractor the recorded efforts to contact M/WBE subcontractors to subcontract portions of the job. Upon receipt of the contractor's documentation of M/WBE solicitation, MEAD & HUNT will fill-out the Certification of Affirmative Steps for M/WBE participation and provide it to the OWNER for review and signature.

Notice to Proceed, Contract Documents, and Certification of Contractor's Insurance and Bonding

The funding agencies generally require a copy of the Notice to Proceed (NTP) issued to the Contractor authorizing the start date of construction.

MEAD & HUNT will request the NTP from the OWNER and provide to the agencies. MEAD & HUNT will request a copy of the conformed construction contract and provide to the agency upon receipt. Using the conformed construction contract, MEAD & HUNT will use the copy of the contractor's payment and performance bonds contained in the contract to fill out the Certification of Contractor's Insurance and Bonding form and provide to the OWNER for signature.

Once MEAD & HUNT has received the signed form from the OWNER, MEAD & HUNT will provide that document to the funding agency for approval.

PHASE 8 – SUBCONSULTANTS AND REIMBURSABLES

Items under this phase include out-of-pocket direct job expenses such as subconsultants, reproductions, postage, etc. Items included in this phase will be billed at actual cost plus 10%. Kimley-Horn will be billed at actual cost plus 5%.

Kimley-Horn (K-H) – K-H will provide process design services for the Headworks and Flow Equalization basin/pumping systems. They will also provide design services for the proposed 're-pump' station at the Fisher WWTP and demolition plans at the Fisher site. In addition to those process design tasks, K-H will provide preliminary design, peer review and permitting assistance.

Electrical & Instrumentation – Electrical and instrumentation subconsulting services will be provided by Bailey Engineering Consultants (BEC). BEC has experience with the City and their standards and is also providing electrical subconsulting services for the Eastern WRF under K-H.

Geotechnical – Soil borings and geotechnical evaluation will be performed by Bechtol Engineering and Testing. The scope of work included is detailed in their proposal and is included herein.

Biological – Biological assessment will be performed by Harnden Environmental. An allowance is included for their scope of work.

Surveying and SUE – Certified design surveys will be performed by Southeastern Surveying and Mapping. The scope of work included is detailed in their proposal and attached herein.

PHASE 9 – CONTINGENCY

If additional services are identified as needed or required during the duration of the project, MEAD & HUNT will request written approval from the OWNER to utilize contingency funds for any additional work items. Contingency funds will be billed at time and expense. Additional work will be billed per the agreed upon contract hourly rates. MEAD & HUNT will not bill against the contingency funding without prior authorization from the OWNER.

EXCLUSIONS

This scope of services excludes all items not specifically described herein:

SCHEDULE

Mead & Hunt estimates the work included in this task order will be completed in accordance with the following schedule:

Phase/Task	Duration to Complete (calendar days)	Commencing Upon
<i>Phase 1 – Project Management</i>	<i>450 days</i>	<i>Receipt of notice to proceed</i>
<i>Phase 2 – Data Collection and Site Reconnaissance</i>	<i>90 days</i>	<i>Kick-off Meeting</i>
<i>Phase 3 – Preliminary Design</i>	<i>90 days</i>	<i>Completion of data collection and reconnaissance</i>
<i>Phase 4 – Project Design</i>	<i>300 days</i>	<i>Completion of data collection and site reconnaissance</i>
<i>Phase 5 – Permitting Assistance</i>	<i>60 days</i>	<i>OWNER approval of 90% deliverable</i>
<i>Phase 6 – CMAR Assistance</i>	<i>270 days</i>	<i>OWNER approval of 100% deliverable</i>
<i>Phase 7 – Funding Assistance</i>	<i>90 days</i>	<i>Receipt of notice to proceed</i>

The above timeframes *do not* include OWNER and agency review time.

COMPENSATION

The proposed fee is based on the following breakdown:

Phase/Task	Fee/Cost	Basis
<i>Phase 1 – Project Management</i>	<i>\$166,288</i>	<i>Lump Sum</i>
<i>Phase 2– Data Collection and Site Reconnaissance</i>	<i>\$97,672</i>	<i>Lump Sum</i>
<i>Phase 3 – Preliminary Design</i>	<i>\$295,892</i>	<i>Lump Sum</i>
<i>Phase 4 – Project Design</i>		<i>Lump Sum</i>

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- Civil/Site/Yard Piping	\$259,074	
- Headworks and Flow Eq (excludes K-H fees)	\$25,000	
- 1.5 MGD Membrane Bioreactor	\$654,886	
- Reject Storage	\$175,551	
- Residuals Handling	\$171,641	
- Administration and Lab Building	\$234,000	
- MPS at Fisher (excludes K-H fees)	\$10,000	
- Offsite Force Main Improvements	\$150,429	
- Electrical and Instrumentation (excludes BEC)	\$51,731	
- Demolition at Fisher (excludes K-H fees)	\$15,000	
Phase 4 Sub-total	\$1,747,312	Lump Sum
Phase 5 – Permitting Assistance	\$72,220	Lump Sum
Phase 6 – CMAR Assistance	\$59,052	Lump Sum
Phase 7 – Funding Assistance	\$48,300	Lump Sum
Subtotal Phases 1 - 10	\$2,486,736	
Phase 8 – Subconsultants/Reimbursables (assumed)	\$1,411,295	Cost + 5% for K-H and +10% for other subs
Phase 9 – Contingency at 5%	\$124,337	Time & Expense
TOTAL	\$4,022,368	

AUTHORIZATION:

The scope of services and compensation stated in this proposal are valid for a period of thirty (30) days from date of submission. If authorization to proceed is not received during this period, this proposal may be withdrawn or modified by MEAD & HUNT.

Accepted by: CITY OF DELTONA

Approved by: MEAD & HUNT, INC.

By: _____

By:  _____

Name: _____

Name: Brad T. Blais, PE

Title: _____

Title: Vice President/Client Manager

*The above person is authorized to sign for Owner
and bind the Owner to the terms hereof.*

Date: _____

Date: April 29, 2025

PURSUANT TO FLORIDA STATUTE SECTION 558.0035, AN
INDIVIDUAL EMPLOYEE OR AGENT OF MEAD & HUNT INC. MAY NOT
BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

IF THE CONTRACTOR (MEAD & HUNT, INC.) HAS QUESTIONS REGARDING THE APPLICATION
OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S (MEAD & HUNT, INC.'s) DUTY
TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT (PROPOSAL), CONTACT THE
CUSTODIAN OF PUBLIC RECORDS AT CITY HALL, CITY OF DELTONA, 2345 PROVIDENCE
BLVD., FL 32725, City Clerk, Joyce Raftery, (386) 878-8500, jraftery@deltonafl.gov.



April 3, 2025

VIA EMAIL: Brad.Blais@meadhunt.com

Mr. Brad Blais, PE | **Water**
Mead & Hunt, Inc.
4401 Eastport Parkway
Port Orange, Florida 32127
Cell: 386-547-7360

RE: City of Deltona Fisher Drive WWTP –Survey
Fisher Drive, Deltona, FL 32725
Section 06, Township 19 South, Range 31 East, Volusia County, Florida
City of Deltona Alexander Avenue Site
Alexander Avenue, Deltona, FL 32725
Section 31, Township 18 South, Range 31 East, Volusia County, Florida

Dear Mr. Blais,

PROJECT STATEMENT: We are pleased to submit our proposal for Surveying Services on the above-referenced project. It is our understanding that Mead & Hunt, Inc. requires a Topographic Survey to support the design/construction for the City of Deltona. We appreciate the opportunity to provide these services to you. Please contact us if you have any questions.

SCOPE OF WORK:

Provide surveying services as mandated by the local governments, as well as regulations and laws of the Project's State Standards of Practice for Professional Land Surveying Services. The survey will include the following:

Boundary & Topographic Survey

1. Establish the location of all boundary corners and reset any missing corners.
2. Review the initial Title Commitment as provided to address record easements or servitudes and covenants within the subject boundaries with respect to the physical location of any land description therein. We will not state whether Schedule B2 items affect, benefit, encumber, or burden the subject property, as those are legal determinations outside of our expertise. Additional fees may be required for further work due to revisions of the Title Commitment or requests for reviews of non-easement items such as liens, mortgages, agreements, or leases.
3. Locate all improvements and utilities, as evidenced by above-ground features or if designated and marked by the Utility Owners, their designated representative, or a contracted service at the original time of field visit.
4. Obtain spot elevations on natural ground and existing improvements suitable for interpolating one-foot contours to be shown on the final drawing.
5. Establish a minimum of **eight (8)** site benchmarks – four (4) at each site.
6. Topographic coverage will be limited to the areas in **yellow** on the attached **Exhibit "B" excluding the portion of the Pond North of the Tank at the Alexander Site.**
7. Follow all Mead & Hunt – Survey / CAD Requirements referenced in the scope of work on the attached **Exhibit "C"**.

DELIVERABLE

The final product will be three (3) certified prints and a digital (DWG) file for your use.

DELIVERY

All documents will be sent to the client or the client's representative(s) via **USPS**. If overnight shipping is requested or required by the client or the client's representative(s), then said charges would appear as a separate item on our invoice unless we are provided with the client's overnight carrier account number for shipping.

ADDITIONAL SERVICES

Any service not explicitly provided for in the above scope will be billed as additional services and will be performed at our then current hourly rates as provided for in **Exhibit A**.

INFORMATION PROVIDED BY CLIENT

SSMC shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives. The Client shall provide all information requested by SSMC during the project, including, but not limited to, the following:

- Any previous surveys by others if available
- Any local requirements that may change or affect our scope of work

PROJECT TIMELINE:

We anticipate the completion of the above-described work within **ten (10) weeks** after receipt of an approved permit and a written notice to proceed.

EXPENSES AND FEES

Our fee for the above-referenced work will be as follows:

Boundary & Topographic Survey – Fisher Drive Site:	\$ 60,523.50
Boundary & Topographic Survey – Alexander Ave. Site:	<u>\$ 53,843.25</u>
Total:	\$ 114,366.75

PAYMENT TERMS:

Payment is expected within thirty (30) days from the date of the invoice.

LATE FEES

Late fees will assess to all payments past the 30 day mark. Late fee will be in the amount of \$50.00. Additional late fees will continue to accrue every 30 days past invoice date. Reference invoice number and please remit all payments to 6500 All American Blvd. Orlando, FL 32810.

PAYMENT OPTIONS

SSMC is committed to ensuring our clients have access to various payment options. These options include cash, paper checks, ACH transfers, wire transfers, and credit cards. Credit card payments are subject to a vendor administrative fee of 3.5% of the invoice total.

CLOSURE

In addition to the matters set forth above, our Agreement shall include and be subject to, and only to the attached General Terms and Conditions, which are incorporated by reference. **UPON SIGNATURE, NO OTHER CONTRACTS WILL BE CONSIDERED FOR THIS SCOPE OF WORK.**

Mr. Brad Blais, PE
Deltona – Fisher WWTP/Alexander Ave. Site
April 3, 2025



We look forward to the opportunity to work with you on this project.

Sincerely,

Alex D. Jenkins, CST IV
Project Manager
ADJ:ler

If the above scope, period of service and project fees meets with your approval, please forward the service Work Order along with the client Prime Agreement as per the Master Services Agreement dated 08/09/17 to Southeastern Surveying and Mapping Corporation (SSMC) as notice to proceed along with the notice of commencement. **Fees and times stated in this agreement are valid for six months from the date of the proposal.**

ACCEPTED BY:

/			
Principal / or Corporate Officer	TITLE	Printed Name	Date

EXHIBIT “A”

HOURLY RATES

Surveying and Mapping Services

Labor Code	Category	Day	Night /Weekend
102	Professional Surveyor & Mapper/PSM	\$ 199.00 / per hour	
103	Project Surveyor	\$ 177.00 / per hour	
121	Expert Witness	\$ 360.00 / per hour	
111	Senior Technician	\$ 133.00 / per hour	
113	CAD Technician	\$ 118.00 / per hour	
011	Clerical	\$ 79.00 / per hour	\$ 118.00 / per hour
131	One-Person Field Crew	\$ 133.00 / per hour	
132	Two-Person Field Crew	\$ 178.00 / per hour	\$ 267.00 / per hour
133	Three-Person Field Crew	\$ 233.00 / per hour	\$ 350.00 / per hour
134	Four-Person Field Crew	\$ 289.00 / per hour	\$ 433.00 / per hour
N/A	Sketch of Descriptions (per SD)	\$ 676.00	
N/A	Residential Elevation Certificate	\$ 925.00	
N/A	Commercial Elevation Certificate (per bldg.)	\$ 1,306.00	
N/A	Initial and Second Plat Review (up to two sheets)	\$ 1,150.00 / per plat	
N/A	Initial and Second Plat Review (over two sheets)	\$ 200.00 / per sheet	
N/A	Plat (Third or additional reviews of same plat)	\$ 450.00 / each	

LiDAR/UAV

Labor Code	Category	Day	Night /Weekend
411	LiDAR Technician	\$ 133.00 / per hour	
403	LiDAR Project Manager	\$ 177.00 / per hour	
431	LiDAR One-Person Field Crew	\$ 155.00 / per hour	
432	LiDAR Two-Person Field Crew	\$ 204.00 / per hour	
011	Clerical	\$ 79.00 / per hour	\$ 118.00 / per hour
451	UAS/UAV Photogrammetry Crew	\$ 268.00 / per hour	
441	Mobile Scan Crew	\$ 268.00 / per hour	

Construction Services

Labor Code	Category	Day	Night /Weekend
301	Construction Professional Surveyor & Mapper	\$ 203.00 / per hour	
302	Construction Project Manager	\$ 203.00 / per hour	
311	Construction Senior Technician	\$ 153.00 / per hour	
313	Construction CAD Technician	\$ 136.00 / per hour	
011	Clerical	\$ 79.00 / per hour	\$ 118.00 / per hour
331	Construction One-Person Field Crew	\$ 153.00 / per hour	
332	Construction Two-Person Field Crew	\$ 204.00 / per hour	\$ 306.00 / per hour
333	Construction Three-Person Field Crew	\$ 268.00 / per hour	\$ 402.00 / per hour
334	Construction Four-Person Field Crew	\$ 332.00 / per hour	\$ 498.00 / per hour

GIS Services

Labor Code	Category	Day	Night /Weekend
501	Professional Engineer	\$ 213.00 / per hour	
514	GIS Project Manager	\$ 177.00 / per hour	
511	GIS Analyst	\$ 119.00 / per hour	
512	GIS Technician	\$ 79.00 / per hour	
011	Clerical	\$ 79.00 / per hour	\$ 118.00 / per hour
532	Two-Person GIS Crew	\$ 178.00 / per hour	
531	One-Person GIS Crew	\$ 133.00 / per hour	

Subsurface Utility Engineering (SUE) Services

Labor Code	Category	Day	Night /Weekend
203	Project Manager	\$ 177.00 / per hour	\$ 265.00 / per hour
212	Senior Technician	\$ 133.00 / per hour	\$ 200.00 / per hour
011	Clerical	\$ 79.00 / per hour	\$ 118.00 / per hour
231	One-Person Crew	\$ 178.00 / per hour	\$ 267.00 / per hour
232	Two-Person Crew	\$ 216.00 / per hour	\$ 324.00 / per hour
233	Three-Person Crew	\$ 301.00 / per hour	\$ 451.00 / per hour
211	One-Person Concrete Radar Mapping/Imaging	\$ 217.00 / per hour	\$ 336.00 / per hour
Vacuum Excavation (Per Test Hole)			
N/A	1-3 Test Holes/Dirt	\$ 2,664.00	\$ 3,864.00
N/A	1-3 Test Holes/Asphalt/Concrete	\$ 2,664.00	\$ 3,864.00
N/A	4 or more Test Holes/Dirt (Per Location)	\$ 616.00 / each	\$ 924.00 / each
N/A	4 or more Test Holes/Asphalt/Concrete (Per)	\$ 765.00 / each	\$ 1,148.00 / each
Temporary Traffic Control (TTC)			
N/A	Per Lane Closure	\$ 1,013.00 / each	\$ 1,231.00 / each
N/A	Per Sidewalk Closure	\$ 500.00 / each	\$ 600.00 / each
N/A	Flagman Control (Hourly – Per Flagger)	\$ 100.00	\$ 150.00
Mast Arms (Per Location)			
N/A	Subsurface Utility Locating (QL-B & QL-A)	\$ 1,656.00	
N/A	Concrete/Asphalt Removal & Repair	\$ 436.00	
N/A	Survey Staking of Pole Location	\$ 431.00	

Miscellaneous Services

Labor Code	Category	Day	Night /Weekend
Per Diem/Lodging Expenses			
N/A	Per Day Two Person Crew	\$ 395.00	
N/A	Per Day Three Person Crew	\$ 595.00	

EXHIBIT “B”

Survey Limits



EXHIBIT “B”

Survey Limits



EXHIBIT “C”



Mead & Hunt – Survey / CAD Requirements

SCOPE OF WORK:

Prepare specific purpose survey to establish the apparent right-of-way lines (if route survey) and property lines (if site survey) and locate all improvements including elevations within the apparent right-of-way or property lines, and 10' beyond the apparent right-of-way/property lines, unless otherwise indicated.

The survey will include a minimum of three (3) state plane coordinates (NAVD 88 Vertical, NAD 83 Horizontal) to establish reference points. The survey drawing file (.dwg) shall be delivered in the appropriate coordinate system. Establish apparent right-of-way lines utilizing existing survey monumentation. (Show found I.P. or monuments, etc. on drawings). Show at least 50' of each intersecting side street right-of-way with improvements.

Indicate a survey baseline with stations on drawings including location and direction of baseline related to state plane reference points. Baseline to be coordinated with Mead & Hunt prior to beginning field work. Survey baselines shall be center of right-of-way, center of roadway, right-of-way, etc. When survey alignment is along an FDOT roadway use the established FDOT stationing convention. Surveys adjacent to coastal areas shall include the Coastal Construction Control Line.

Additional information required: All visible above ground fixed improvements to include, but not limited to, pavement, edge of pavement or curb (size & type), parking lots, sidewalks, concrete pads, utility poles, communication boxes, manholes, utility valve boxes, hydrants, storm drainage structures, shorelines, ditches (top, bottom and centerline), walls, fences, trees with type and size (per local code), shrubs, buildings/structures, driveways (and type - concrete, asphalt, dirt, gravel, shell, etc.), signs, mailboxes, water meters/boxes, sewer cleanouts, etc.

For route surveys: Show lot/block and parcel numbers and subdivision names with plat book and page number when applicable. Show approximate lot/property lines based on best available information (i.e., property corners and/or plats). Show addresses of properties along route. Indicate business with name and type of business. Indicate if vacant or undeveloped.

Show topographic cross section elevations at fifty (50) foot stations to 10' outside of right-of-way and more frequently at any sudden change of grade. The topographical information shall be sufficient to generate a surface in Civil 3D. Typically, additional spot elevations shall be shown at street intersections (P.C., P.T., mid-radius) and at driveways. Cross section shall show centerline and edge of pavement elevations, sidewalk elevations and tops and bottoms of any swales or ditches.

Show elevations of sanitary sewer and storm drainage structures. Indicate top and invert or flow line elevations of all pipes at structure. Show pipe sizes, type of material, and direction of flow. Pipes shall be drawn at correct elevation within the survey drawing file (.dwg), and include callouts for pipe size, material, etc. every 200' along alignment. Provide invert of next upstream/downstream structure that falls outside survey limit (top slab, bottom, inverts, surrounding grade). Show existing surface water/stormwater water levels at time of survey.

Coordinate locating additional buried utility facilities with the appropriate entity to establish location of underground telephone, tv, electric, gas, sanitary sewer, storm drainage, potable water, reclaimed water, etc. and indicate on plans. The survey firm shall request a Design Ticket with Sunshine 811 and the ticket information shall be provided to Mead & Hunt.

Specific surveys performed for proposed new gravity sewer project require footprint of structure front and floor slab elevations. Surveys performed for new/replacement water or reclaimed water mains require location of existing meters/service boxes and elevation of top of valve nuts.

Specific surveys performed for Lift Station retrofits/replacements require the surveyor to verify the existing wet well dimensions.

DELIVERABLES:

Survey shall be certified to Mead & Hunt, Inc. and the project client/owner.

- Surveyor shall use Civil 3D template provided by Mead & Hunt to create survey deliverable file.
- Electronic Copy – Surveyor shall deliver drawing file (.dwg). File(s) shall be in Civil 3D 2018 or later format. E-transmit function shall be used to compile electronic files for transmittal.
- Electronic Copy Signed & Sealed – A noneditable electronic version pdf with an image of the seal and electronic signature in accordance with F.A.C. 5J-17.062.

The surveyor shall deliver one (1) contiguous Civil 3D file delivered in "model space" and a Surface file. Any use of these files as an XREF or formatting of sheet templates in "paper space" shall be for surveyors use only and will not affect the "base" files delivered to Mead & Hunt. Survey deliverables are to be created in Civil 3D. Points are to be native Civil 3D points.

The final "base" file shall have all layers turned "on" and thawed" so that all available information is displayed by default. Any construction lines, survey points, etc. and their associated layers that are not directly required by Mead & Hunt shall be removed from the drawing prior to delivery.

Multi-part or amended surveys shall use continuing point number series, to avoid conflicts or duplicate point numbers with other portions of the survey when they are combined into one working file.

Layering shall be in accordance with the Mead & Hunt survey template. If additional layers are created, a descriptive layering scheme shall be used that accurately describes the entities contained in the layer. Duplicate or numbered layers are not acceptable.

Entities shall be on their correct layer. Example: Sewer entities on "sewer" layer associated sewer text on "sewer text" layer. All entities in the drawing shall be "color and line type by layer".

Text size shall be no larger than 10-point font (except street names, title block, etc.). Other text sizes in the drawing shall be relative to the plotted scale. Scale shall be per Mead & Hunt.

Surveyor shall deliver revised files as needed per Mead & Hunt's review and comment.

GENERAL:

All survey work shall be performed in accordance with Standards of Practice for Professional Surveyors and Mappers, Chapter 5J-17, F.A.C. pursuant to Section 472.027, Florida Statutes.

GENERAL TERMS AND CONDITIONS

These standard terms and conditions ("STCS") are incorporated by reference into the Proposal Letter, along with any future modifications or amendments (the "Agreement") between Southeastern Surveying and Mapping Corporation ("SSMC") and its Client ("You" or "Your") for the performance of surveying services ("Services"). These STCS are fully binding upon You as if they were fully outlined in the Proposal Letter and shall supersede any term or provision elsewhere in the Agreement in conflict with these STCS.

SCOPE OF SERVICES

For the fee outlined in the Agreement, You agree that SSMC shall only be obligated to render the Services expressly described in the Agreement. Unless the Agreement explicitly requires, in no event does SSMC have any obligation or responsibility for:

- a. The correctness and completeness of any document prepared by another entity.
- b. The correctness and completeness of any drawing prepared by SSMC, unless it was duly signed and sealed by a registered professional on SSMC's behalf.
- c. Favorable or timely comment or action by any governmental entity on the submission of any construction documents, land use or feasibility studies, appeals, petitions for exceptions or waivers, or other requests or documents of any nature whatsoever.
- d. Taking into account off-site circumstances other than those clearly visible and actually known to SSMC from on-site work.
- e. The actual location (or characteristics) of any portion of a utility that is not entirely visible from the surface.
- f. Site safety or construction quality, means, methods, or sequences.
- g. The correctness of any geotechnical services performed by others, whether or not performed as SSMC's subcontractor.

Should shop drawing review be incorporated into the Services, SSMC shall pass on the shop drawings with reasonable promptness. Checking and approval of shop drawings will be general, for conformance with the design concept of the Project to which this Agreement relates ("Project") and compliance with the information given in the construction documents, and will not include quantities, detailed dimensions, nor adjustments of dimensions to actual field conditions. Approval shall not be construed as permitting any departure from contract requirements, nor as relieving the Contractor of the sole and final responsibility for any error in details, dimensions, or otherwise, that may exist. **SSMC does not provide legal, accounting, or insurance services.**

YOUR DECISIONS

You, or any of Your directors, officers, partners, members, managers, employees, or agents having apparent authority over You, may (a) make decisions relating to Services or the Agreement; (b) request a change in the scope of Services under the Agreement; or (c) request SSMC to render additional services under the Agreement by sending an email to the SSMC Project Manager or the Contracts Department at contracts@ssmc.us. Any oral decisions must be followed up in writing within seven (7) days, or SSMC will consider the oral request binding.

STANDARD OF CARE

The standard of care for all professional services performed by SSMC under this Agreement shall be the skill and care used by members of SSMC's profession practicing under similar circumstances at the same time and in the same locality.

TERM OF CONTRACT

The term of this Agreement shall begin and end based on the Project Timeline provided above unless both Parties agree in writing to extend the Project.

PAYMENT

SSMC may submit invoices to You anytime for Services and reimbursable expenses incurred. Invoices are payable within 30 days of the invoice date. Invoices may be based either upon our estimate of the proportion of the total services completed at the time of billing for lump sum or fixed fee Services or, in the case of hourly Services, upon rendering of the Services. If any invoice is not paid within 30 days of the invoice date, SSMC shall have the right either to suspend the performance of our Services until all invoices more than 30 days past due are fully paid or to terminate the Agreement and to initiate proceedings to recover amounts owed by You. Additionally, SSMC shall have the right to withhold from You the possession or use of any drawings or documents prepared by SSMC for You under this or any other agreement with You until all delinquent invoices are paid in full. You shall not offset payments of our invoices by any amounts due or claimed to be due for any reason.

If You do not give SSMC written notice disputing an invoice within 20 days of the invoice date, the invoice shall conclusively be deemed correct. All payments You make should specify the invoice numbers being paid. If SSMC receives payments that do not specify the invoices being paid, You agree that SSMC may apply payments in our sole discretion. Time is of the essence of Your payment obligations, and Your failure to make full and timely payment shall be deemed a material breach.

PROPRIETARY RIGHTS

The drawings, specifications, and other documents prepared by SSMC under this Agreement are instruments of SSMC's service for use solely for the Project and, unless otherwise provided, SSMC shall be deemed the author of these documents and shall retain all common law, statutory, and other reserved rights, including the copyright and rights to any SSMC trademarks. You shall be permitted to retain copies, including reproducible copies of SSMC's instruments of service, for information and reference for the Project. SSMC's drawings, specifications, or other documents shall not be used by You or others on other projects for any reason or completion of this Project by other professionals unless You enter into a written agreement with SSMC allowing for such use. Submission or distribution of documents to meet official regulatory requirements or for similar purposes in connection with the Project is not to be construed as publication inconsistent with our reserved rights.

TERMINATION

Either Party may terminate the Agreement if the other Party materially breaches the Agreement. You shall immediately pay SSMC for our Services rendered and expenses incurred through the termination date, including fees and expenses that SSMC incurred as a result of the termination.

ASSIGNMENT

Neither Party shall assign or transfer any rights, interests, or claims arising under this Agreement without the written consent of the other. This Agreement shall not confer any benefit or right upon any person or entity other than You, SSMC, and its officers, employees, agents, and subcontractors. SSMC's officers, employees, agents, and subcontractors shall have and shall be entitled to the protections afforded SSMC under this Agreement.

GOVERNING LAW, DISPUTES AND ATTORNEY'S FEES

This Agreement shall be interpreted under and governed by the laws of the State of Florida. The parties irrevocably waive all rights to trial by jury in any action, proceeding, or counterclaim arising from or related to this Agreement. The Parties agree that any dispute arising from or related to the Services will be subject to mediation. Mediation will occur in Orlando, Florida. If mediation is unsuccessful, then binding arbitration is to be administered in accordance with the American Arbitration Association in Orlando, Florida. The losing Party shall pay the winning Party's reasonable attorney's fees and expenses for the mediation and/or arbitration of any cause of action, claim, or demand arising under this Agreement.

SEVERABILITY

If any part, term, or provision of this Agreement is held to be illegal or unenforceable, the validity and enforceability of the remaining parts, terms, and provisions of this Agreement shall not be affected, and each Party's rights shall be construed, and enforced as if the Agreement did not contain the illegal or unenforceable part, term, or provision.

LIMITATIONS ON LIABILITY

SSMC's liability for any loss, property damage, or bodily injury of or to You caused in whole or in part by SSMC in the performance of this Agreement, or any supplementary services in any way related to this Agreement, shall be limited in the aggregate to the amount of fees that You have paid to SSMC for the Services. The Parties intend that the preceding limitation on liability shall apply to all claims, whether in tort, contract, warranty or otherwise. You release, waive, and shall not seek contribution from, or indemnification by, SSMC for any claims of any nature made against You by any other person who may suffer any loss, property damage, or bodily injury in any manner associated with SSMC's services, or SSMC's officers, employees, agents and subcontractors under this Agreement, or any supplementary services in any way related to this Agreement. SSMC shall not be liable to You, in any event or for any amount, for delays, consequential, special, incidental, punitive, or exemplary damages.

INDEMNIFICATION

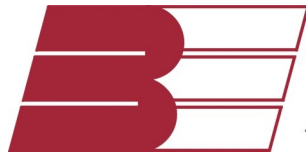
You agree to indemnify and hold SSMC harmless from and against any and all liability, loss, damages, claims, and demands for loss, damages, property damages, or bodily injury arising out of work undertaken on the Project by You, or Your Contractor, subcontractor or other independent company or consultant employed by You to work on the Project, or their respective partners, members, managers, directors, officers, employees, agents or assigns; or arising out of any other operation, no matter by who performed, for and on behalf of You, or such Contractor, subcontractor or other independent company or consultant, whether or not due in part to errors or omissions by us in the performance of this Agreement, or in the performance of any supplementary service in any way related to this Agreement, provided that You are not required to indemnify and hold SSMC harmless under this Paragraph in the event of SSMC's sole negligence.

INSURANCE

SSMC represents that it carries and will continue to carry General Liability in the amount of \$1M per occurrence and \$2M per general aggregate, Worker's Compensation in the amount of \$1M, Automobile Liability in the amount of \$1M, Professional Liability also known as Errors and Omissions in the amount of \$2M per occurrence and general aggregate, and Umbrella Coverage in the amount of \$1M. General Liability, Automobile Liability, and Worker's Compensation are primary and non-contributory with Umbrella following form. Certificates of Insurance shall be provided upon request, listing Your Company as the certificate holder for one (1) year. SSMC and Client shall waive subrogation against one another.

COMPLETE AGREEMENT

This Agreement serves as SSMC's official offer of work. Upon signature, this Agreement and all accompanying exhibits or attachments constitute the entire Agreement between the Parties and will supersede any prior Agreements (whether oral or written) for the associated Services. No prior representations, statements, or inducements made by either SSMC, You, or the respective agents of either that is not contained in the Agreement shall enlarge, modify, alter, or otherwise vary the written terms of the Agreement unless they are made in writing and made a part of the Agreement by attachment, incorporated by reference in the Agreement or signed or initialed on behalf of both Parties. Once the signed Agreement is received, SSMC will NOT accept any additional contractual documents unless it is an amendment to this Agreement. All amendments will be incorporated by reference in the Agreement and signed or initialed on behalf of both Parties.



BECHTOL ENGINEERING AND TESTING, inc.

April 16, 2025
BET Project No. G25159

TO: Mr. Brad Blais, P.E.
Mead & Hunt
4401 Eastport Parkway
Port Orange, Florida 32127

RE: Fee Proposal/Subcontract AGREEMENT - Geotechnical Services
Deltona Lakes Water Reclamation Facility Upgrades
601 Mobley Drive
Deltona, Volusia County, Florida

Dear Mr. Blais:

As requested, Bechtol Engineering and Testing, Inc. (BET) is pleased to submit a Fee Proposal to provide geotechnical services at the above referenced site. The purpose of BET's services would be to evaluate physical and strength characteristics of subsurface materials encountered by test borings within the probable construction areas of a new 1.5 million gallon rejection storage tank, solids handling tank, flow EQ tank, 1.5 million gallon dual train MBR, headworks/de-grit structure, electrical building and administrative building, with special emphasis on the deeper-seated subsurface conditions and general evaluation of sinkhole activity, and based on these characteristics, to render opinions as to the overall site subsurface conditions and the material's potential reaction to proposed construction activities. Based on the results of field and laboratory studies, BET will issue a geotechnical report summarizing their findings and evaluations, and providing earthwork, ground stabilization and/or foundation related recommendations.

BET's proposed scope of services and associated fees are outlined on the attached Technical Plan and Cost Estimate. If the outlined scope of services, fees, and payment terms meet with your approval, please execute the Technical Plan and Cost Estimate and return to BET's office via mail, e-mail or FAX.

BET appreciates the opportunity to submit this proposal and looks forward to working with you in the very near future. If you should have any questions, or whenever BET may be of service, please do not hesitate to call.

Respectfully,

Bechtol Engineering and Testing, Inc.

L. Patel

Love B. Patel, P.E.
Senior Geotechnical Engineer

N:\documents\AA GEO DOCS 2007-Present\Geo 2025\G25159 Geotechnical Proposal.wpd

TECHNICAL PLAN AND COST ESTIMATE - GEOTECHNICAL SERVICES

TO: Mr. Brad Blais, P.E. Mead & Hunt 4401 Eastport Parkway Port Orange, Florida 32127	RE: Deltona Lakes Water Reclamation Facility Upgrades 601 Mobley Drive Deltona, Volusia County, Florida BET Project Number: G25159
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ITEM	UNIT	NO. OF UNITS	UNIT COST	TOTAL COST
1.0 FIELD SERVICES				
1.1 Boring Layout, Utility Locate and Drilling Coordination	hour	4	\$85.00	\$340.00
1.2 Mobilization of Men and Equipment: 5500 Truck-Mounted Drill Rig & Support Truck	site	1	850.00	850.00
1.3 Standard Penetration Test (SPT) Borings: Rejection Storage Tank: 3 @ 75' ; 1 @ 100' Solids Handling Tank: 1 @ 50' ; 1 @ 100' Flow EQ Tank: 1 @ 100' Dual Train MBR: 4 @ 50' ; 1 @ 100' Headworks / De-Grit: 1 @ 50' ; 1 @ 100' Electrical Building: 2 @ 30' Administrative Building: 1 @ 30' ; 1 @ 100'	lineal foot (0 to 50') lineal foot (50 to 100')	840 375	18.00 20.00	15120.00 7500.00
1.4 Grout-Seal Borehole	lineal foot	825	7.00	5775.00
1.5 Casing (Allowance)	lineal foot	500	10.00	5000.00
Subtotal - Field Services				\$34,585.00
2.0 LABORATORY SERVICES				
2.1 Stratification and Visual Classification of Soil Samples	hour	8	\$85.00	\$680.00
2.2 Classification Testing, as required, including Wash 200 Sieve Analysis, Liquid & Plastic Limits, Organic Content	allowance	1	\$1,500.00	\$1,500.00
Subtotal - Laboratory Services				\$2,180.00
3.0 ENGINEERING AND TECHNICAL SERVICES				
3.1 Principal Geotechnical Engineer	hour	12	\$225.00	\$2,700.00
3.2 Senior Project Engineer	hour	16	150.00	2400.00
3.3 Senior Engineering Designer	hour	12	100.00	1200.00
3.4 Clerical Services	hour	2	75.00	150.00
Subtotal - Engineering and Technical Services				\$6,450.00
TOTAL ESTIMATED FEE:				\$43,215.00

SUBMITTED BY: Love B. Patel, P.E. Senior Geotechnical Engineer	APPROVED BY: <div style="border-bottom: 1px solid black; width: 100%;"></div> Date: 04/16/2025
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The above quantities are estimated based on past experiences on similar projects. If additional services are deemed necessary during drilling and/or engineering evaluation, additional services will be billed at the unit prices listed. Signer hereby accepts all general terms and conditions on reverse side of this agreement, and warrants their full authority to bind CLIENT. The above proposal is valid for 60 days from the date of the proposal.



GENERAL TERMS AND CONDITIONS

PAYMENT TERMS:

Payment is due upon receipt of our invoice. If payment is not received within 30 days from the invoice date, the client agrees to pay a finance charge on the principal amount of the past due account of one and one half percent per month or the maximum amount allowed by law. In the event 1.5% per month exceeds the maximum allowable by law, the charge shall automatically be reduced to the maximum allowable by law. In the event the client should request termination of services prior to completion, the laboratory shall be paid in full for all services performed through the termination date and the client shall be provided with a complete report of the results of testing analysis conducted prior to termination. Client agrees to pay Bechtol Engineering and Testing, inc. all costs and expenses of collection, suit, or other legal action, including a reasonable attorney's fee and shall also pay costs, expenses and attorney's fee incurred on appeal or any administrative proceedings. Further, client agrees that the venue on any action hereunder shall be in Volusia County, Florida.

STANDARD OF CARE:

The only warranty or guarantee made by Bechtol Engineering and Testing, inc. in connection with the services performed hereunder, is that we will use the degree of care and skill ordinarily exercised under similar conditions by reputable members of our profession practicing in the same or similar locality of the project site. No other warranty expressed or implied is made or intended by our proposal for consulting services or by our furnishing oral or written reports.

LIMITATION OF PROFESSIONAL LIABILITY:

Client recognizes that actual conditions may vary from those encountered at the location where borings, surveys, or explorations are made by us and that our data, interpretations and recommendations are based solely on the information available to the client. We will be responsible for those data, interpretations and recommendations, but shall not be responsible for the interpretation by others of the information developed. Should we or any of our professional employees be found to have been negligent in the performance of professional services or to have made and breached any expressed or implied warranty, the client agrees that the maximum aggregate amount of our liability and/or that of said professional employees shall be limited to the amount of the fee paid us for professional services.

RIGHT OF ENTRY:

The client agrees to issue authorization providing free access for the laboratory to the project site and to all shops and yards where materials are prepared or stored. While we take all reasonable precautions to minimize damage to the property, it is understood by client that in the normal course of work some damage may occur, the correction of which is not part of this agreement.

UTILITIES:

In the prosecution of the work, we will take all reasonable precautions to avoid damage or injury to subterranean structures or utilities. The owner agrees to hold us harmless for any damage to subterranean structures which are not called to our attention and correctly shown on the plans furnished.

SAMPLING OR TESTING LOCATION:

The fees included in this proposal do not include costs associated with the surveying of the site or accurate horizontal and vertical locations of tests, field tests or boring locations described in the laboratory's report, shown on sketches, based on specific information furnished by others or estimates made in the field by our technicians. Such dimensions, depths or elevations should be considered as approximate unless otherwise stated in the report.

SAMPLE DISPOSAL AGREEMENT:

Unless otherwise requested, test specimens or samples will be disposed of immediately upon completion of tests and drilling samples or other specimens will be disposed of 60 days after submission of our report. Upon written request, Bechtol Engineering and Testing, inc. will retain test specimens or drilling samples for a mutually acceptable storage charge and period of time.

OWNERSHIP AND RETENTION OF DOCUMENTS:

All documents including, but not limited to drawings, specifications, reports, boring logs, field notes, laboratory test data, calculations and estimates prepared by Bechtol Engineering and Testing, inc. as instruments of service pursuant to this agreement, shall be the sole property of Bechtol Engineering and Testing, inc. The client agrees that all documents of any nature, furnished to the client or client's agents or designees, if not paid for, will be returned upon demand and will not be used by the client for any purpose whatsoever. At the request and expense of the client, Bechtol Engineering and Testing, inc. will provide the client with copies of documents created in the performance of the work for a period not exceeding five (5) years, following the submission of the report contemplated by this agreement. Bechtol Engineering and Testing, inc. will consider all reports to be confidential and distribute reports only to those persons, organizations or agencies specifically designated, in writing, by the client or his/her authorized representative.

SAFETY:

The client agrees that, in accordance with generally accepted construction practices, the Contractor will be solely and completely responsible for all working conditions on the job site, including the safety of all persons and property during the performance of the work and in compliance with OSHA regulations and that these requirements will apply continuously and not be limited to normal working hours. Any monitoring of the Contractor's procedures or methods conducted by Bechtol Engineering and Testing, inc. is not intended to include a review of the adequacy of the Contractor's safety measures in, on, or adjacent to the construction site.

RESPONSIBILITIES:

It is agreed that Bechtol Engineering and Testing, inc. will not assume the liability for the Contractor's means, methods, techniques, sequences or procedures of construction and it is understood that field services provided by the laboratory will not relieve the Contractor of his responsibilities for performing the work in accordance with the plans and specifications. The words supervision, inspection or control are used to mean a periodic observation of the work and the conducting of tests by the laboratory to verify substantial compliance with the plans, specifications and design concepts. Continuous inspection by our employees does not mean that the laboratory is observing the placement of all materials. Full-time inspection means that an employee of the company has been assigned for eight (8) hour days during regular business hours. The laboratory, by the performance of its services covered hereunder, does not in any way assume, abridge, or abrogate any of those duties, responsibilities or authorities with regard to the project, customarily vested in the project architects, design engineers or other design agencies or authorities. The laboratory is not authorized to revoke or to relax, enlarge or release any requirements of the project specifications or other contract documents, nor to approve or accept any portion of the work, unless specifically authorized in writing, by the client or his authorized representative. The laboratory shall not have the right of rejection or the right to stop work, except for such periods as may be required to conduct the sampling, testing or inspection of operations covered by the agreement.

CHANGES:

If the laboratory is required to modify the scope of work as described hereunder at the request of the client or if the laboratory determines during the execution of the work that a modification of scope is required, we will promptly seek a mutually agreeable revision of the scope and the associated fees.

DISCOVERY OF UNANTICIPATED HAZARDOUS MATERIALS:

Hazardous materials or certain types of hazardous materials may exist at a site where there is no reason to believe they could or should be present. Engineer and client agree that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work or termination of services. Engineer agrees to notify client as soon as practically possible should unanticipated hazardous materials be encountered. Client waives any claim against engineer, and agrees to indemnify, defend and hold engineer harmless from any claim or liability for injury or loss arising from engineer's encountering of unanticipated hazardous materials or suspected hazardous materials.

**Deltona Lakes WRF
Deltona, Florida**

Date: 4/29/2025

Estimate of Work Effort & Fee

	Principal		Sr Instrumentation Engineer		Sr Electrical Engineer		Electrcial Engineer		Designer		Totals	
	Hourly Rate	\$325.00	Hourly Rate	\$250.00	Hourly Rate	\$230.00	Hourly Rate	\$180.00	Hourly Rate	\$170.00		
Task 1 – Data Collection, Design Development, and Project Meetings	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total
Project Meetings & Workshops	40	\$ 13,000.00	24	\$ 6,000.00	24	\$ 5,520.00	0	\$ -	0	\$ -	88	\$ 24,520.00
Data Collection and Review	8	\$ 2,600.00	8	\$ 2,000.00	8	\$ 1,840.00	0	\$ -	0	\$ -	24	\$ 6,440.00
Task 1 Subtotal:	48	\$ 15,600.00	32	\$ 8,000.00	32	\$ 7,360.00	0	\$ -	0	\$ -	112	\$ 30,960.00
Task 2 –Preliminary Design Report	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total
Preliminary Engineering Draft Report	24	\$ 7,800.00	24	\$ 6,000.00	16	\$ 3,680.00	0	\$ -	16	\$ 2,720.00	80	\$ 20,200.00
Preliminary Engineering Final Report	12	\$ 3,900.00	12	\$ 3,000.00	12	\$ 2,760.00	0	\$ -	8	\$ 1,360.00	44	\$ 11,020.00
Task 2 Subtotal:	36	\$ 11,700.00	36	\$ 9,000.00	28	\$ 6,440.00	0	\$ -	24	\$ 4,080.00	124	\$ 31,220.00
Task 3 –30% Design	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total
30% Design	24	\$ 7,800.00	24	\$ 6,000.00	40	\$ 9,200.00	80	\$ 14,400.00	80	\$ 13,600.00	248	\$ 51,000.00
30% Review Meeting	8	\$ 2,600.00	8	\$ 2,000.00		\$ -		\$ -		\$ -	16	\$ 4,600.00
Task 3 Subtotal:	32	\$ 10,400.00	32	\$ 8,000.00	40	\$ 9,200.00	80	\$ 14,400.00	80	\$ 13,600.00	264	\$ 55,600.00
Task 4 – 60% Design	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total
60% Submittal	40	\$ 13,000.00	58	\$ 14,500.00	60	\$ 13,800.00	90	\$ 16,200.00	180	\$ 30,600.00	428	\$ 88,100.00
60% Review Meeting	8	\$ 2,600.00	8	\$ 2,000.00	8	\$ 1,840.00	8	\$ 1,440.00	0	\$ -	32	\$ 7,880.00
Task 4 Subtotal:	48	\$ 15,600.00	66	\$ 16,500.00	68	\$ 15,640.00	98	\$ 17,640.00	180	\$ 30,600.00	460	\$ 95,980.00
Task 5 – 90% Design	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total
90% Submittal	40	\$ 13,000.00	58	\$ 14,500.00	60	\$ 13,800.00	90	\$ 16,200.00	180	\$ 30,600.00	428	\$ 88,100.00
90% Review Meeting	8	\$ 2,600.00	8	\$ 2,000.00	8	\$ 1,840.00	8	\$ 1,440.00	0	\$ -	32	\$ 7,880.00
Task 5 Subtotal:	48	\$ 15,600.00	66	\$ 16,500.00	68	\$ 15,640.00	98	\$ 17,640.00	180	\$ 30,600.00	460	\$ 95,980.00
Task 6 – Permitting	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total
Permit Comment Response	12	\$ 3,900.00	4	\$ 1,000.00	16	\$ 3,680.00		\$ -	20	\$ 3,400.00	52	\$ 11,980.00
		\$ -		\$ -		\$ -		\$ -		\$ -	0	\$ -
Task 6 Subtotal:	12	\$ 3,900.00	4	\$ 1,000.00	16	\$ 3,680.00	0	\$ -	20	\$ 3,400.00	52	\$ 11,980.00
Task 7 – 100% Documents	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total	man-hours	Total
100% Submittal	24	\$ 7,800.00	16	\$ 4,000.00	24	\$ 5,520.00	24	\$ 4,320.00	60	\$ 10,200.00	148	\$ 31,840.00
100% Review Meeting	8	\$ 2,600.00	8	\$ 2,000.00	8	\$ 1,840.00	0	\$ -	0	\$ -	24	\$ 6,440.00
Task 7 Subtotal:	32	\$ 10,400.00	24	\$ 6,000.00	32	\$ 7,360.00	24	\$ 4,320.00	60	\$ 10,200.00	172	\$ 38,280.00
Total:	256	\$ 83,200.00	260	\$ 65,000.00	284	\$ 65,320.00	300	\$ 54,000.00	544	\$ 92,480.00	1644	\$ 360,000.00

April 29, 2025



Mr. Brad Blais, P.E.
Mead & Hunt
4401 Eastport Parkway
Port Orange, Florida 32127

Re: Deltona Lakes WRF
Deltona, Florida

Dear Mr. Blais:

We are pleased to submit our proposal for engineering services for the above project. The following serves to provide an overview of the engineering services Bailey Engineering Consultants, Inc. (BEC) intends to furnish on the above referenced project to Mead & Hunt (MH). The following represents an overview of the work and provides our lump sum fee amount. Our scope of work shall include electrical, instrumentation and controls Improvements associated with the following:

- Headworks/De-grit
- Flow EQ
- Dual Train 1.5 MGD MBR
- Solids Handling
- Electrical Bldg/Gen
- City Standard Lift Station at existing Deltona Lakes Facility & Demo specs at that site

Task 1 – Data Collection, Design Development, and Project Meetings

The Task 1 scope of services includes general project management, internal and external project meetings, data gathering, project coordination, project accounting, project administration, project status reports, and other management and administrative tasks related to Project.

1. Attend an in-person Project initiation “kick-off” meeting and workshop with MH and City engineering and operations staff
2. Visit site and obtain as constructed information.

Task 2 – Preliminary Design Report

Task 2 includes the preparation of the Preliminary Engineering Report (PER). Services will include review of available as-built documentation, and review of operational data where applicable.

1. Conduct an electrical site visit to develop preliminary electrical design parameters. Preliminary electrical design will be included in the BODR, and detail electrical power and instrumentation needs for the WWTF; as well as operational controls for SCADA integration to control pump(s), blower(s), mixers (if needed), actuated valves, and chemical feed pumps.
2. Deliverables
 - a. Preliminary Engineering Draft Report
 - b. Preliminary Engineering Final Report

Task 3 – 30% Design

1. Prepare 30% Drawings for electrical and instrumentation. The following preliminary drawings are proposed to be prepared:
 - a. Electrical Site Plan
 - b. Power Single Line Diagrams
 - c. Electrical Building Layouts
 - d. Instrumentation overview PID
 - e. Plant Wide network concept
2. Prepare 30% level Cost Estimate.
3. Deliverables
 - a. 30% completion Project Drawings
 - b. 30% OPCC

Task 4 – 60% Design

1. Prepare 60% Drawings and technical specifications for electrical and instrumentation.
2. Prepare 60% level Cost Estimate.
3. Attend meeting to present the 60% Design deliverable in a workshop with City staff to confirm City objectives, design details, and design decisions needed to advance the design.
4. Deliverables
 - a. 60% completion Project Drawings and technical specifications
 - b. 60% OPCC

Task 5 - 90% Design

1. Prepare 90% Drawings and technical specifications for electrical and instrumentation.
2. Prepare 90% level Cost Estimate.
3. Attend meeting to present the 90% Design deliverable in a workshop with City staff to confirm City objectives, design details, and design decisions needed to advance the design.
4. Deliverables
 - a. 90% completion Project Drawings and technical specifications
 - b. 90% OPCC

Task 6 – Permitting

1. BEC shall submit plans to MH to obtain required permits from the CITY, regulatory agencies, and authorities having jurisdiction, for this project.

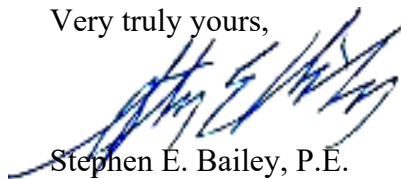
Task 7 - Final Design

1. Prepare 100% Drawings and technical specifications for electrical and instrumentation.
2. Prepare 100% level Cost Estimate.
3. Deliverables
 - a. 100% completion Project Drawings and technical specifications
 - b. 100% OPCC

Construction phase services are not included. Compensation for all services, materials, supplies, and any other items or requirements necessary to complete the work defined in this Task Assignment will be based upon a Lump Sum Amount of \$360,000.00. At no time shall work fees exceed the amount of compensation stated without an executed amendment. Services not specifically outlined above are excluded. Our fee for this work shall be payable as follows:

Task 1 - Data Collection, Design Dev, & Project Meetings	\$	30,960.00
Task 2 - Preliminary Design Report	\$	31,220.00
Task 3 - 30% Design	\$	55,600.00
Task 4 - 60% Design	\$	95,980.00
Task 5 - 90% Design	\$	95,980.00
Task 6 - Permitting	\$	11,980.00
<u>Task 7 - Final Design</u>	<u>\$</u>	<u>38,280.00</u>
Total:	\$	360,000.00

Very truly yours,



Stephen E. Bailey, P.E.

ACCEPTED _____ DATE _____

MEAD & HUNT, Inc.
One Water Standard Billing Rate Schedule
Effective January 1, 2025

Standard Billing Rates

Archaeologist/Historian Technician, Project Assistant I, Technical Editor I	\$84.00 / hour
Archaeologist/Historian I	\$89.00 / hour
Archaeologist/Historian II	\$95.00 / hour
Archaeologist/Historian III, Project Assistant II, Technical Editor II, Technician I	\$100.00 - \$110.00/ hour
Project Assistant III, Technical Editor III, Technician II	\$126.00 / hour
Engineer I, Architect I, Interior Designer I, Planner I, Scientist I	\$130.00 - \$146.00/ hour
Senior Archaeologist/Historian, Project Assistant IV, Technical Editor IV, Technician III	\$146.00 / hour
Registered Land Surveyor	\$177.00 / hour
Engineer II, Architect II, Interior Designer II, Planner II, Scientist II	\$155.00 - \$165.00/ hour
Project Archaeologist/Historian, Technician IV	\$158.00 / hour
Senior Technician	\$189.00 / hour
Engineer III, Architect III, Interior Designer III, Planner III, Scientist III	\$189.00 / hour
Senior Engineer, Architect, Interior Designer, Planner and Scientist	\$227.00 / hour
Project Engineer, Architect, Interior Designer, Planner and Scientist	\$205.00 / hour
Senior Project Engineer, Architect, Interior Designer, Planner and Scientist	\$240.00 / hour
Senior Associate, Senior Client/Project Manager	\$265.00 - \$330.00/ hour
Principal	\$340.00 / hour

Expenses

Geographic Information or GPS Systems	\$110.00 / day
Total Station Survey Equipment	\$220.00 / day
Charges for other equipment may appear in a proposal	
Out-Of-Pocket Direct Job Expenses	cost plus 15%
Such as reproductions, sub-consultants / contractors, etc.	

Travel Expense

Company or Personal Car Mileage	IRS rate / mile
Air and Surface Transportation	cost plus 15%
Lodging and Sustenance	cost plus 15%

Billing & Payment

Travel time is charged for work required to be performed out-of-office.

Invoicing is on a monthly basis for work performed. Payment for services is due within 30 days from the date of the invoice. An interest charge of 1.5% per month is made on the unpaid balance starting 30 days after the date of invoice.

This schedule of billing rates is effective January 1, 2025, and will remain in effect until December 31, 2025, unless unforeseen increases in operational costs are encountered. We reserve the right to change rates to reflect such increases.