

STATE OF TEXAS §
 §
COUNTY OF FORT BEND §

**AMENDMENT TO AGREEMENT FOR
PROFESSIONAL ENGINEERING SERVICES**

THIS AMENDMENT, is made and entered into by and between Fort Bend County (hereinafter “County”), a body corporate and politic under the laws of the State of Texas, and Bowman Consulting Group, td., (hereinafter “Consultant”), a company authorized to conduct business in the State of Texas.

WHEREAS, the parties executed and accepted that certain Agreement for Professional Engineering Services on January 3, 2023, for improvements to Watts Plantation from Knight Road to Shipmans Cove Boulevard under Project No. 17210 of the Fort Bend County Mobility Program, pursuant to SOQ 14-025, (hereinafter “Agreement”); and

WHEREAS, the parties desire to amend the Agreement to allow Consultant to provide additional Services under the Agreement and to increase the maximum compensation amount.

NOW, THEREFORE, the parties do mutually agree as follows:

1. County shall pay Consultant an additional amount not to exceed Seventy-Six Thousand Three Hundred and 00/100 Dollars (\$76,300.00) to perform the additional Services, as described in Consultant’s Proposal dated November 6, 2024, attached hereto as Exhibit “A-1” and incorporated herein for all purposes.
2. The Maximum Compensation payable to Consultant for all Services rendered is hereby increased to an amount not to exceed Five Hundred Forty-Five Thousand Two Hundred Seventy 00/100 Dollars (\$545,270.00), authorized as follows:

\$468,970.00 under the Agreement; and
\$ 76,300.00 under this Amendment.
3. In no case shall the amount paid by County for all Services under the Agreement and this Amendment exceed the Maximum Compensation without a written agreement executed by the parties.

4. BY ACCEPTANCE OF AGREEMENT, CONSULTANT ACKNOWLEDGES THAT THE COUNTY IS OPPOSED TO HUMAN TRAFFICKING AND THAT NO COUNTY FUNDS WILL BE USED IN SUPPORT OF SERVICES OR ACTIVITIES THAT VIOLATE HUMAN TRAFFICKING LAWS.

Except as provided herein, all terms and conditions of the Agreement shall remain unchanged.

IN WITNESS WHEREOF, the parties hereto have signed or have caused their respective names to be signed to multiple counterparts to be effective on the date signed by the final party.

FORT BEND COUNTY

KP George, County Judge

Date

ATTEST:

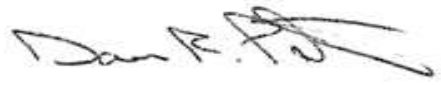
Laura Richard, County Clerk

APPROVED:



J. Stacy Slawinski, P.E., County Engineer

APPROVED AS TO LEGAL FORM:



Darius R. Porter,
Assistant County Attorney
General Counsel Division

BOWMAN CONSULTING GROUP, LTD.



Authorized Agent – Signature

Stephen Garza, P.E.
Authorized Agent – Printed Name

Team Lead Manager
Title

Date

AUDITOR'S CERTIFICATE

I hereby certify that funds are available in the amount of \$ _____
to accomplish and pay the obligation of Fort Bend County under this contract.

Robert Ed Sturdivant, County Auditor

Attachment:

Exhibit A-1 – Consultant's Proposal – November 6, 2024

I:\AGREEMENTS\2025 Agreements\Engineering\Bowman Consulting Group, Ltd. (23-Eng-100370-A1)\Amendment to Agreement for Professional Engineering Services -- Bowman Consulting Group, Ltd.docx. (DRP 12.10.24)

EXHIBIT A-1



November 6, 2024

Mr. Stacy Slawinski, P.E.
Fort Bend County Engineering
301 Jackson Street
Richmond, Texas 77469

Re: **Watts Plantation Extension**
Knight Road to Shipmans Cove Blvd – Additional Drainage Design Services
Fort Bend County, Texas

TBPE Registration # F-14309
TAI Project Number: 0522-2103

Mr. Slawinski,

Bowman appreciates this opportunity to submit this Additional Design Services for surveying, preliminary design services, final design services, geotechnical investigation/report, environmental, and construction phase services as required for the aforementioned project:

Task 1 – Drainage Analysis for Channel to Oyster Creek Channel - We will perform the necessary analysis to identify any storm water drainage impacts associated with the proposed drainage Channel to Oyster Creek. We will recommend appropriate mitigation solutions for drainage and fill mitigation. A report will be prepared providing supporting documentation of the findings of the analysis and recommendations meeting the criteria of the various regulatory agencies for their approval and acceptance. The report will be of sufficient detail such that construction plans can be prepared to reflect the recommended drainage features.

1. The option of relocating the mitigation area further south towards Oyster Creek was deemed a possible and preferable alternative.
 - a. Possibility of routing water through a 3000' channel south from Watts Road to Oyster Creek without providing separate detention rather than using the large fill mitigation area. Oyster Creek was designed with additional capacity to account for future upstream development..
2. Civil consultant to conceptually analyze alternative 4 and provide a cost estimate for design. Additional topographic survey (provided by others not part of this scope) was used to to complete design and drainage district to provide flow line information at the outfall.
3. We have coordinated the design with potential developers and land owners to assist with drainage easements and agreements.

We propose to complete this task for a fixed fee of \$39,500

Task 2 – Additional Environmental Services – Compass Environmental Solutions, LLC (COMPASS) is pleased to provide the following additional scope of work and cost estimate for a water of the U.S., including wetlands, delineation on approximately 60 acres of undeveloped property in Missouri City, Texas. Specifically, COMPASS understands that the construction of Watts Plantation Road will require a large detention basin to be constructed and outfall into Oyster Creek.

This area was not previously included in the study and investigation area of Watts Plantation

Road and will require additional survey. Due to the fact that this area is approximately 60 acres, COMPASS has prepared a separate additional services request. It is likely that some form of Section 404 Clean Water Act permitting will be required to complete the project as currently designed and laid-out.

We propose to complete this task for a fixed fee of \$11,500

Task 3 – Drainage Channel Construction Documents. Based on recent discussions with the County and Drainage District, we are requesting an increase to the Construction documents budget to account for the drainage/detention channel to oyster creek in task 3. We will prepare exhibits, details, and construction plans for the drainage channel.

We propose to complete this task for a fixed fee of \$25,300.

Total Additional Services Fee of \$76,300

Exceptions. This proposal specifically omits any item that is not specifically included in the foregoing paragraphs. Our services will be performed according to our normal procedures of practice. Any services required in addition to our normal procedures are to be considered as extra services which will require additional fee authorization.

Fee. We propose that our compensation for the above described basic services.

Quality Control - A portion of the stated compensation is set-aside for Quality Control/Quality Assurance, which is part of the Bowman Quality Control Policy.

REPROGRAPHIC, COURIER AND OTHER CHARGES

Reprographic, plotting, in-house courier, and archive retrieval services will be invoiced in accordance with Schedule A attached hereto.

CLIENT RESPONSIBILITIES

The Client shall be responsible for obtaining permission for Bowman, its employees, agents, and subcontractors to enter onto the subject property and any properties in the vicinity as reasonably necessary for Bowman to perform the services described herein.

OTHER TERMS

This proposal is based on the scope of services indicated herein and the information available at the time of the proposal preparation. If any additional services are required due to unforeseen circumstances and/or conditions, Client or regulatory requested revisions, additional meetings, regulatory changes, etc., Bowman will notify the Client that additional scope of work and fees are required and will obtain the Client's written approval prior to proceeding with any additional work.

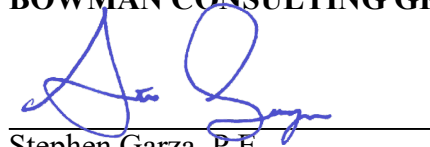
Bowman's Hourly Rate Schedule are attached hereto and incorporated into this Proposal by reference.

Please indicate your acceptance of this proposal by executing below and returning a copy to this office.

We appreciate the opportunity to submit this proposal and look forward to assisting you in the development of this project.

Sincerely,

BOWMAN CONSULTING GROUP LTD.

A handwritten signature in blue ink, appearing to read 'Stephen Garza', is written over a horizontal line.

Stephen Garza, P.E.

Team Lead Manager

Phone: (713) 993-0333

Fax: (713) 993-0743

Fort Bend County Fee Estimate Worksheet
Watts Plantation - Knight Road to Shipmans Cove Blvd
Bowman Consulting Group

TASK DESCRIPTION	PRINCIPAL	DEPARTMENT MANAGER	SR. PROJECT MANAGER	PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	ASSOCIATE ENGINEER	GIS SPECIALIST	CAD MANAGER	SENIOR DESIGNER	DESIGNER	SENIOR CADD TECH	CADD TECH	ENVIRONM ENTAL PLANNER	ENVIRONM ENTAL PLANNER	CLERICAL	OTAL HOUR	Task Total	NO OF DWGS	LABOR HRS PER SHEET SHT
1.Drainage Analysis for Channel to Oyster Creek																		\$ 39,500.00		
Drainage Analysis Options	10		12	10		11						0	68				111	\$ 15,640.00		
Revise PER	10		8	10		8						0	8				44	\$ 8,840.00		
Prepare a Construction Cost Estimate	10		8	10		30						0	40				98	\$ 15,020.00		
3. Drainage Channel Construction Documents																		\$ 25,300.00		
Converance Drainage Channel Design	10		20	10		14				26	40		64					\$ 25,300.00		
																		\$ -		
MANHOUR SUBTOTAL	40	0	48	40	0	63	0	0	0	26	40	0	180	0	0	0	253		0	
	16%	0%	19%	16%	0%	25%	0%	0%	0%	10%	16%	0%	71%	0%	0%	0%				
LABOR RATE PER HOUR	\$300.00	\$280.00	\$240.00	\$200.00	\$180.00	\$150.00	\$125.00	\$125.00	\$147.00	\$140.00	\$100.00	\$110.00	\$90.00	\$200.00	\$135.00	\$100.00				
SUBTOTAL LABOR	\$12,000.00	\$0.00	\$11,520.00	\$8,000.00	\$0.00	\$9,450.00	\$0.00	\$0.00	\$0.00	\$3,640.00	\$4,000.00	\$0.00	\$16,200.00	\$0.00	\$0.00	\$0.00				
TOTAL																		\$ 64,800.00		

2. Additional Enviromental Services																		\$ 11,500.00		
Environmental Design Services (Compass)																	0	\$ 11,500.00	100	0.00

MANHOUR SUBTOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		100	
	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
LABOR RATE PER HOUR	\$300.00	\$280.00	\$240.00	\$200.00	\$180.00	\$150.00	\$125.00	\$125.00	\$147.00	\$140.00	\$100.00	\$110.00	\$90.00	\$200.00	\$135.00	\$100.00				
SUBTOTAL LABOR	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00				
TOTAL																		\$ 76,300.00		



March 15, 2024

Mr. Ike Akinwande
Fort Bend County Engineering
301 Jackson, 4th Floor
Richmond, TX 77469

**RE: Request for Additional Environmental Services
Watts Plantation Road Segment #1 Detention Facility
Sugar Land, Fort Bend County, Texas**

Dear Mr. Akinwande:

Compass Environmental Solutions, LLC (COMPASS) is pleased to provide the following additional scope of work and cost estimate for a water of the U.S., including wetlands, delineation on approximately 60 acres of undeveloped property in Missouri City, Texas. Specifically, COMPASS understands that the construction of Watts Plantation Road will require a large detention basin to be constructed and outfall into Oyster Creek.

This area was not previously included in the study and investigation area of Watts Plantation Road and will require additional survey. Due to the fact that this area is approximately 60 acres, COMPASS has prepared a separate additional services request. It is likely that that some form of Section 404 Clean Water Act permitting will be required to complete the project as currently designed and laid-out.

As submitted to COMPASS via email by TetraTech; the area for investigation is below outlined in yellow.

Property Site Exhibit



TECHNICAL SCOPE

Waters of the U.S. Delineation

COMPASS will assess the project area to map onsite aquatic features potentially regulated by the United States Army Corps of Engineers (USACE) under Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act (RHA). Field efforts will be designed to identify and delineate the boundaries of potentially jurisdictional waters of the U.S. at the project site. Our methods would include:

- Review of topographic maps, aerial photographs, hydric soils lists, public databases, etc.
- Field reconnaissance of the project site for identification of wetlands and other waterbodies
- Use of a Trimble® Global Positioning System (GPS) device with sub-meter accuracy to mark each sampling location and the extent of any wetlands or waterbodies within the project site boundaries per USACE standards

This effort will identify and document the presence of waters of the U.S., including wetlands, within the project site and include a delineation of these resources as specified in the 1987 USACE Wetlands Delineation Manual, the 2010 Regional Supplement to the USACE of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region – Version 2.0, Regulatory Guidance Letter 05-05 – Ordinary High Water Mark (OHWM) Identification, and other applicable industry guidance and standards. All aquatic features will be classified in the field by either simplified United States Fish and Wildlife Department's (USFWS) Cowardin System of Wetland Classification for wetlands, or observable or recorded flow regime per current United States Geologic Survey (USGS) and USACE definitions.

T&E Species and Critical Habitat Assessment

In conjunction with the fieldwork associated with the waters of the U.S. delineation, COMPASS will assess the site for presence or absence of state and federally-listed threatened and endangered species and their critical habitat within the proposed work corridor. Prior to fieldwork, COMPASS will review applicable listings from the United States Fish and Wildlife Service (USFWS) and Texas Parks and Wildlife (TPWD) to determine appropriate species lists and their respective terrestrial and/or aquatic habitat. COMPASS will document existing habitats within the subject property and will perform a potential presence survey for listed species documented to occur in Fort Bend County, Texas. Additionally, COMPASS will photo-document existing habitats within the subject property.

Cultural Resources Desktop Site File Review

A desktop level of investigation will be completed in order to determine the potential for intact, buried resources to be found in the projects' construction footprint/archaeological APE. Site file research will be conducted by consulting online research archives maintained by the THC. Research objectives will be to identify all previously recorded cultural resources that may be located within the project APE and within 1.6 kilometers (1 mile) of the proposed project's APE. A review of the Texas Historic Sites Atlas, the National Register of Historic Places (NRHP) database, the list of State Archaeological Landmarks, and the list of Recorded Texas Historic Landmarks, will be reviewed. In addition, soils maps, topographic maps, and aerial photographs will be inspected in order to determine the potential for previously unrecorded archaeological sites to be present within the project footprint. The TX DOT Potential Archeological Liability Map (PALM) will be reviewed as part of the assessment.

Environmental Document Preparation

Following on-site investigations, an environmental overview report (EOR) will be prepared for the project. This report will include documentation required by the USACE, including, but not limited to: project introduction, background research, methodology, results, findings, COMPASS's professional recommendation on the jurisdictionality of all on-site aquatic features, site maps, a waters of the U.S., including wetlands delineation map, and project site photographs documenting site conditions. All findings presented in this letter report would be based on COMPASS's professional experience with similar projects under similar circumstances. Only the USACE and EPA can make the final jurisdictional determination.

Mapping and GIS

All geographic information data (USACE Routine Data points for waters of the U.S. and uplands, position lines, photo-points, ordinary high water mark points, etc.) from the delineation will be compiled by field crews, downloaded, and corrected via Pathfinder into ArcGIS. Data will be recorded in accordance with the USACE Galveston District's Standard GPS Protocol. COMPASS's GIS analysts will input this data into a master map file for the FBC-ENG and their selected engineer.

May be required depending upon final project plans

Clean Water Act Permitting

If impacts to jurisdictional waters of the U.S. are unavoidable, COMPASS will work to develop the most suitable Clean Water Act permit strategy in order to move forward with development of the Subject Property. Sections 404 of the CWA and 10 of the RHA establish programs to regulate the discharge of dredged or fill material into jurisdictional waters of the U.S. Both sections require a permit, either through application or self-certification, before any fill material may be discharged into waters of the United States, unless the activity is exempt from regulation (e.g., certain farming and forestry activities).

All proposed activities are regulated through a standard permitting process. Four types of permits are generally allowed: Regional General Permits (RGPs), Nationwide Permits (NWP), Standard Individual Permits (SIPs), and Letters of Permission (LOPs). RGPs and NWPs are usually allowed when impacts are minimal and do not exceed specific acreage thresholds. A SIP is generally required for potentially significant impacts greater than 0.50 acres. LOPs are special condition IPs where impacts are significant, require greater scrutiny, or are otherwise out of the ordinary permitting framework. All permits are reviewed by the USACE, which evaluates applications under a public interest review, as well as the environmental criteria set forth in the CWA Section 404(b)(1) Guidelines, and regulations promulgated by United States Environmental Protection Agency (EPA).

Pedestrian Archeological Survey

The objective of the Historical, Cultural, and Archeological Assessment is to evaluate the detectable existence of sites of significant historical, cultural and archeological public value on the subject site. If an applicant is requesting a permit from the USACE to fill jurisdictional wetlands or submit a federal permit (e.g., NWP), the USACE requires that the THC and USACE staff archeologist review the proposed project. The USACE cannot issue a permit to fill wetlands without the THC and USACE staff archeologist's final approval. Based upon the soil conditions and potential for finding cultural resources, the USACE under Section 106 often requires an applicant to conduct an Archeological Cultural Resource Pedestrian Survey to determine if cultural resources or historical structures are present on the property.

If cultural resources are found, COMPASS and the archeologist will coordinate with the client to discuss project options. A physical investigation for the presence of historical, cultural, or archeological indicators will be performed. The cost for artifact curation will be determined as needed and is not included in this scope.

ASSUMPTIONS

COMPASS has prepared this scope and cost estimate based on the following assumptions:

- Project site access will be provided during normal business hours.
- No weather-related delay days are assumed. Any delays due to weather or lack of access may result in additional mobilization costs or field days.
- If the results and findings from any assessment indicate the need for further study beyond the scope of work specifically enumerated herein (i.e., forensic, or atypical delineation efforts), COMPASS will notify Meadowview of the conditions of concern and recommendations for revised services, and additional costs and request a change order.
- The proposed budget is inclusive of professional labor, expenses, materials, contractors, and reporting necessary to complete the proposed scope of services.
- At this time, this proposal does not include Clean Water Act permitting
- Coordination with any federal or state agency is not included in this cost estimate.

COST ESTIMATE

COMPASS proposes to provide the aforementioned services for a not-to-exceed, lump sum fee of **\$11,500.00**. Table 1 below details the cost per task.

Table 1: Cost Estimate by Task

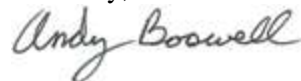
Task	Cost Estimate
Environmental Investigations	\$11,500.00
Grand Total	\$11,500.00

These cost estimates are inclusive of all labor, equipment, and all associated costs to provide said deliverables. This is an estimate based upon current project knowledge, equipment, and rates at the time of this proposal.

CONDITIONS OF ENGAGEMENT

COMPASS greatly appreciates the opportunity to provide this scope of services and cost estimate. If you have any questions or would like any additional information, please feel free to contact me at (832) 612-2874 or sjohnson@compassenvs.com.

Sincerely,



Andy Boswell
Principal
Compass Environmental Solutions, LLC