

EXHIBIT "C"

WORK ASSIGNMENT WORK ASSIGNMENT NO 2 - Federal Projects

PROJECT NUMBER: - Bank Stabilization Project

This Work Assignment is executed in accordance with the Master Services Agreement entered into by the City of Diamondhead, Mississippi and Covington Civil and Environmental, LLC on the 29th day of October 2021.

WHEREAS, each of said parties represents that it continues to have authority to execute this Work Assignment and that all certifications previously made in said Agreement remain in effect;

NOW THEREFORE, the parties hereto do further contract and agree to add the following items of work to the above Agreement under the additional terms and conditions as are hereinafter stated:

SPECIFIC SCOPE OF WORK FOR THIS WORK ASSIGNMENT OR PHASE

Within Drainage Area A are several large natural streams. These streams are generally located between Kome Drive and Apelehama Circle/Road as well as between Apelehama Road and Kalipekona Way. There have been several property owner reports of erosion issues on these streams. These streams are currently heavily vegetated, which is problematic for inspection and maintenance. Lastly, there are locations where there are abrupt changes of direction with minimal to no bank protection. A conceptual hydraulic analysis at the problem locations indicate that reinforced erosion control products, as a minimum, could be used for bank protection. Further investigation is needed in order to specify whether reinforced erosion control products can be used in all cases, or if hard protection (riprap, articulated block, concrete lining) is warranted.

Existing Studies: The following existing studies have been completed and will be utilized in the development of the modeling, plans and specifications for the proposed improvements.

- Covington Civil & Environmental – Stormwater Master Plan – Watershed A – Phase II Drainage Report March 2023

Scope of Work: Covington will complete the following scope of work:

Task 1 - Survey:

Covington will complete a topographic survey along the stream bank corridor identifying the ditch centerline, side slopes, underground utilities marked by MS811 and drainage structures and inverts. In addition, Covington will complete boundary surveying to locate all existing right-of-way and create a property map within the stream corridor. The scope includes a boundary survey and easement layout for each property, one time. Additional surveys and/or easement changes requested by city and/or property owner will be performed under additional scope of work.

Task 2 - Hydrologic and Hydraulic Modeling/Preliminary Design:

Task 2.1 – Update model with survey data. Verify channel cross-sections throughout and final velocity and shear stress values.

Task 2.2 – Preliminary Design: Design cross-sections will be applied to the existing stream centerline. Sections will be connected to existing grading to determine area required for construction. Access will be determined along the length based on stream design and existing features. This will provide the information needed in order to determine the required property acquisition.

Task 3 - Permitting:

Individual Permit Application: Covington will prepare a Joint Application & Notification form (Joint Application) for the impacts to wetlands and waters of the U.S. Services included in this task are:

- Preparation of a Joint Application and submittal to the Mississippi Department of Marine Resources (MDMR). Supporting documentation for the Joint Application will include:
 - Attachment A: Engineering drawings including a plan view depicting wetland boundaries, and a typical cross section of cut or fill in the wetland.
 - Attachment B: Diamondhead will authorize Covington to be the agent for the permit. An agent authorization letter will be provided by Diamondhead to be included as Attachment B in the Joint Application.
 - Attachment C: A brief Environmental Assessment will be included with the Joint Application. The Environmental Assessment will describe the purpose of the project, environmental impacts of the proposed activity, and the project's effects on the wetlands and the species that utilize the area. The environmental assessment will provide a complete description of any

measures to be taken to reduce detrimental offsite effects to the coastal wetlands during and after the proposed activity.

- A Coastal Zone Management Act consistency determination (CZCD) /Attachment D (Variance or Revisions to Mississippi Coastal Program): Covington will draft a CZCD for the project. If a variance to the guidelines in Section 2, Part III or a revision to the Coastal Wetlands Use Plan in Section 2, Part IV of the Rules, Regulations, Guidelines and Procedures of the Mississippi Coastal Program is required for the proposed activity, a request and justification will be provided.
- Preparation of a Project Support Document will also be provided as part of the application and will contain:
 - Project Purpose and Need: A descriptive narrative of the improvements, maps, and the purpose and need for the project.
 - Alternatives: A summary of alternatives that would meet the purpose and need for the project that were considered and the rationale for the selection of the preferred alternative.
- Coordination and attendance of one pre-application meeting and project meetings with the MDMR, USACE, USFWS, MDEQ, MDAH, USEPA and other resource agencies to provide any needed field information/review for the project.
- Attend public meetings associated with USACE or MDMR permitting.
- Attend Commission on Marine Resources Meeting as needed.

Task 4 – Final Design:

Task 4.1 – Final Design: Covington will prepare final construction drawings, contract specifications, bid schedule, engineer’s estimate. The final design documents will be submitted to the City for review and approval.

The scope may vary based on conditions identified during the surveying and design phase of the project. The work authorization does not include the bidding and construction phase of the project.

Task	Fee
Engineering and Design	\$ 265,000.00
Surveying	\$ 120,000.00
Permitting	\$ 45,000.00

WORK ASSIGNMENT TERM [No new Work Assignments shall be executed after October 28, 2024.]

This WORK ASSIGNMENT shall be effective upon the latest date of execution hereof and

continue until *August 30, 2025*, at 11:59 P.M. CDT. However, the Engineer may not begin work prior to receiving a Notice to Proceed.

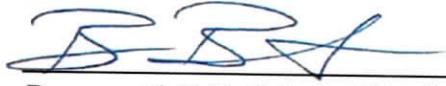
DBEGOAL

The DBE goal established for this Work Assignment shall be 0 %

KEY PERSONNEL

CITY

CONSULTANT PROJECT
MANAGER: (Certified as a
Professional Engineer to do
business in the State of Mississippi)



Ben Benvenuti, P.E., Principal Engineer

MAXIMUM ALLOWABLE COST

Contract Maximums:

Under no circumstances shall the amount payable by the City for this assignment exceed \$430,000.00 (Total of all Charges) without the prior written consent of both parties. Project will be billed monthly based on a percentage complete of the lump sum cost of each phase.

Both parties hereto represent that they have authority to enter into Work Assignment No. 1, as "Exhibit C" of the Agreement executed by and between the City and Engineer to which is now made a part of said Agreement.

SO EXECUTED AND AGREED THIS THE _____ DAY OF _____ -

City of Diamondhead

Signature

Covington Civil and Environmental



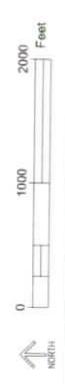
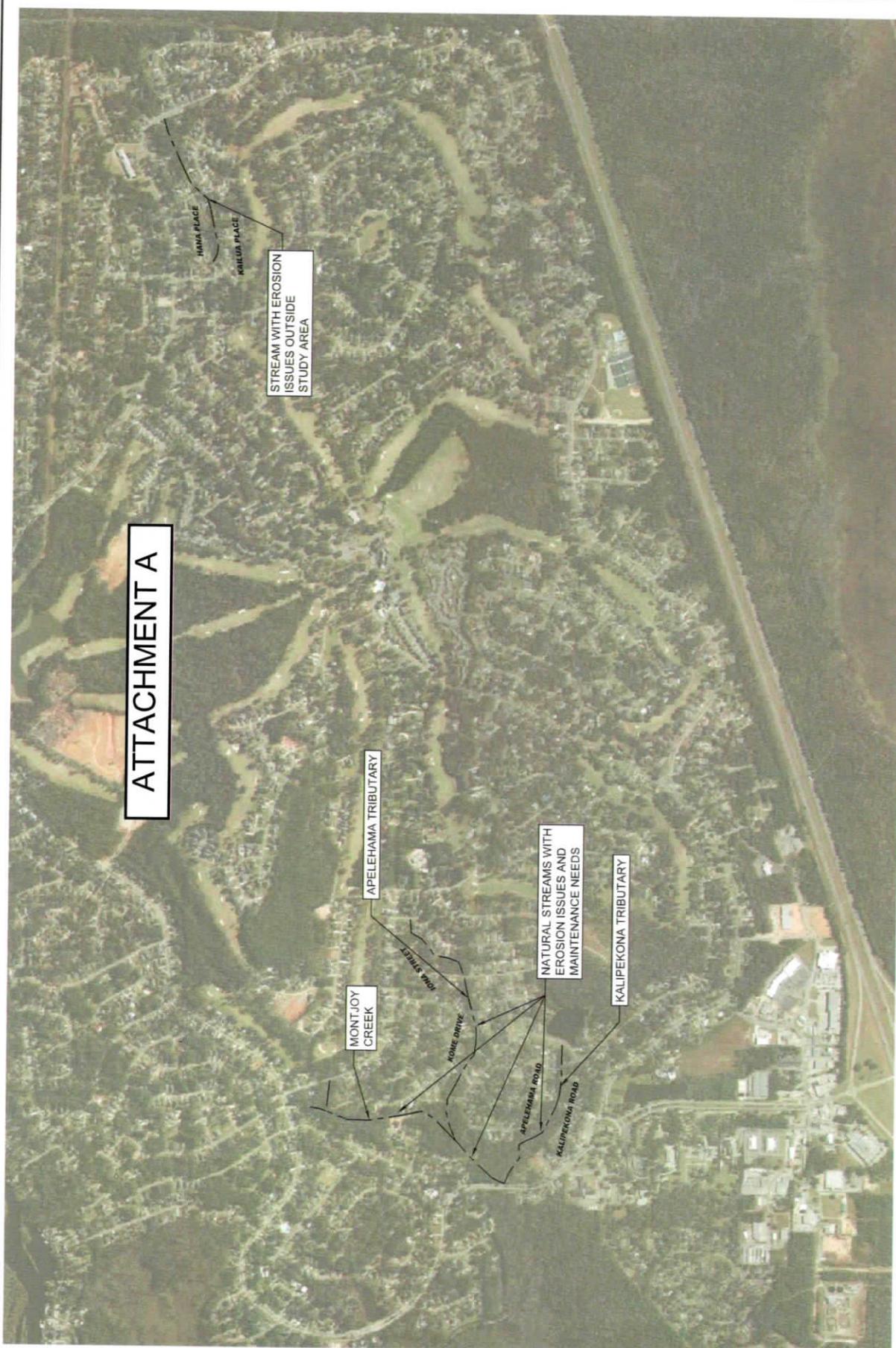
Signature

WITNESS this my signature in execution hereof, this the _____ day of _____.

ATTEST: _____

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NO	DATE	REVISION/ISSUE



BANK STABILIZATION IMPROVEMENTS
 SCALE 1" = 500'

City of Diamondhead Stormwater Master Plan

Preliminary Opinion of Probable Cost

Bank Stabilization

Pay Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$ 130,000.00	\$ 130,000.00
Clearing and Grubbing	AC	12	\$ 5,000.00	\$ 60,000.00
Hydroseeding	AC	12	\$ 2,500.00	\$ 30,000.00
Structural Stream Bank Improvements	LS	1	\$ 850,000.00	\$ 850,000.00
Non-Structural Stream Bank Improvements	LS	1	\$ 250,000.00	\$ 250,000.00
Silt Fence	LF	18,600	\$ 5.00	\$ 93,000.00
Check Dams	LS	1	\$ 30,000.00	\$ 30,000.00
Fence Relocation	LF	4,650	\$ 25.00	\$ 116,250.00
Excess Excavation	CY	9,300	\$ 30.00	\$ 279,000.00

	Contingency	\$ 275,000.00
	Estimated Construction Costs	\$ 2,113,250.00
Engineering Costs 15% (Design, Inspection, Construction Oversight, Geotechnical Investigations, etc.)		\$ 317,000.00
	Boundary Surveying and Land Acquisition Support Documents	\$ 120,000.00
	Right-of-Way/Easement Acquisition	\$ 300,000.00
	Legal Support (ROE, Easement/ROW Acquisiton)	\$ 144,000.00
	Permitting	\$ 45,000.00

Total Estimated Project Cost \$ 3,039,250.00