

EXHIBIT "C"

WORK ASSIGNMENT WORK ASSIGNMENT NO 1 - GOMESA Project

PROJECT NUMBER: - Kome Drive and Fairway Drive Drainage 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

The scope is identified in the attached conceptual drawings from the Waggoner Engineering study. The scope may vary based on conditions identified during the surveying and design phase of the project.

Task	Fee
Engineering and Design	\$ 70,000.00
Surveying	\$ 72,000.00
Permitting	\$ 28,000.00
Bidding	\$ 10,000.00
Construction Inspection and Administration	\$ 85,000.00

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, 2024, 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 \$265,000.00 (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

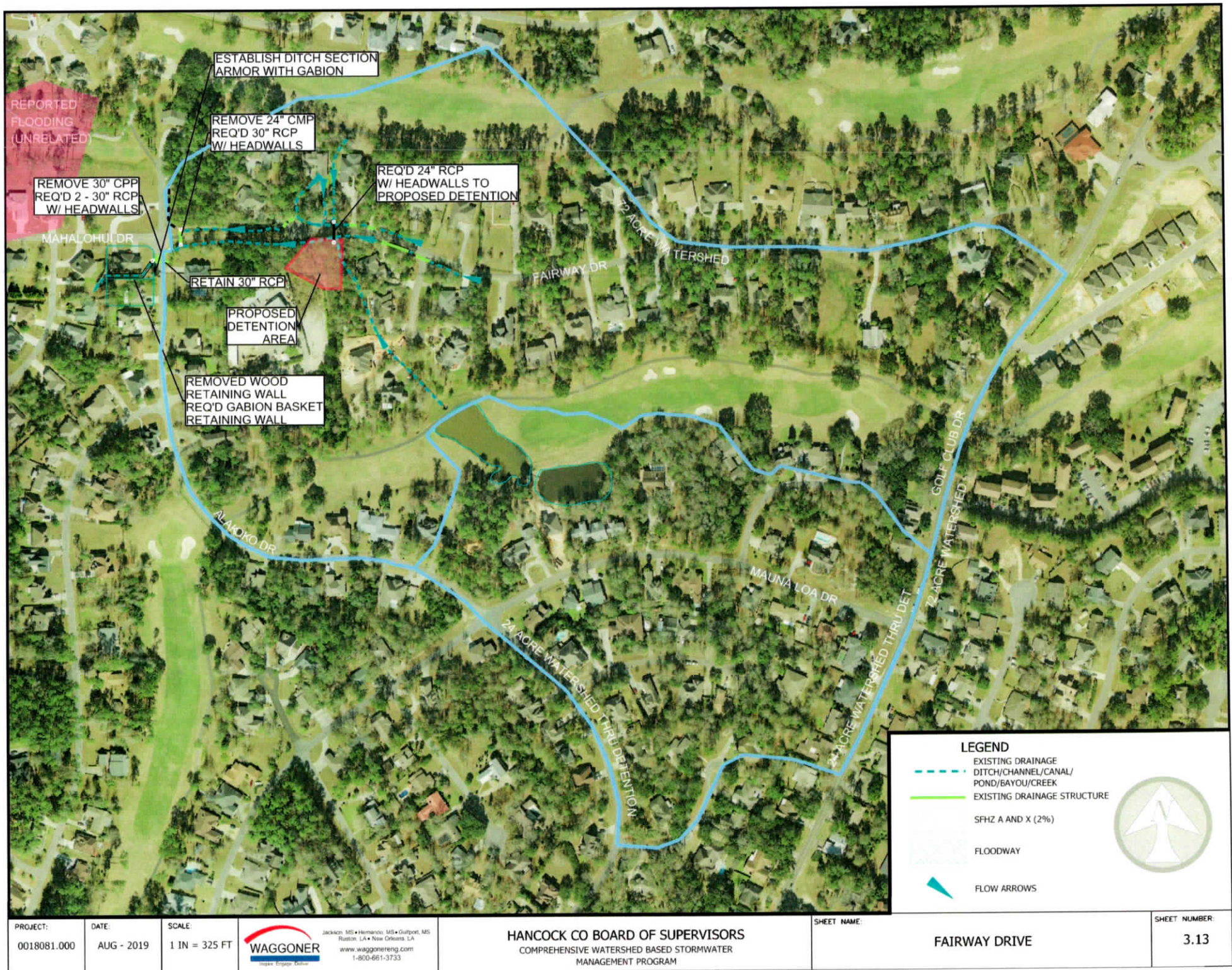


Signature

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

ATTEST: _____

Project Number	3.13
Project Name	Fairway Drive Easement Section
Location Description	This site is picking up drainage from Area 15 within Watershed A as designated on the Diamondhead Master Drainage plan map and serving as outfall for all of Area 16 within Watershed A. The two basins are about 70% built out with two fairways contributing to stormwater volumes. Area 15 is smaller and immediate to the area lying North of Fairway Drive. Area 16 is a larger area with steeper grades and two detention ponds on a fairway. Drainage through the area flows generally Westward exiting through the ditch sections on Fairway Drive then under Alakoko Drive into a constricted bulkhead section.
Project Coordinates	30°23'16"N, 89°22'12"W
HUC12	031700091303 –Rotten Bayou
Project Type	H&H Study, Install Detention, Enlarge Hydrologic Section
Number of residences or businesses benefitted	>100
Anticipated Project Benefits	Improve Flow Characteristics Reduced possibility of flooding of roadways and homes in the area Extend Runoff Times Improve Water Quality downstream
Implementation Period	Study: Complete Design: 12 months Permits: SWPPP, NWP 41 Land Acquisition: Probable Implementation: 2 Yr
Flood Zone	No
Estimated Project Cost	\$378,412.00
Location Problems	 <p>Large portion of these watershed basins are impervious. Area 15, which is immediate to the outfall area includes a lot of hardscaped drainage section that decrease runoff times while increasing volumes. Ditch sections along Fairway drive and thru the easement are not large enough to accommodate the current volumes and there is potential for further development within the basins. Roadway pipes under Alakoko Drive are constricting flow but that may be preventing downstream flooding as the drainage way leaving the pipes appears to be near capacity and in imminent danger of failing structurally.</p>
Recommended Solution	H & H study of the basins for determining full development volumes. Construct additional detention facilities, enlarge hydrologic section along Fairway Drive, remove, replace, install additional drainage structures under the roadway and remove/replace bulkheads with LID options.



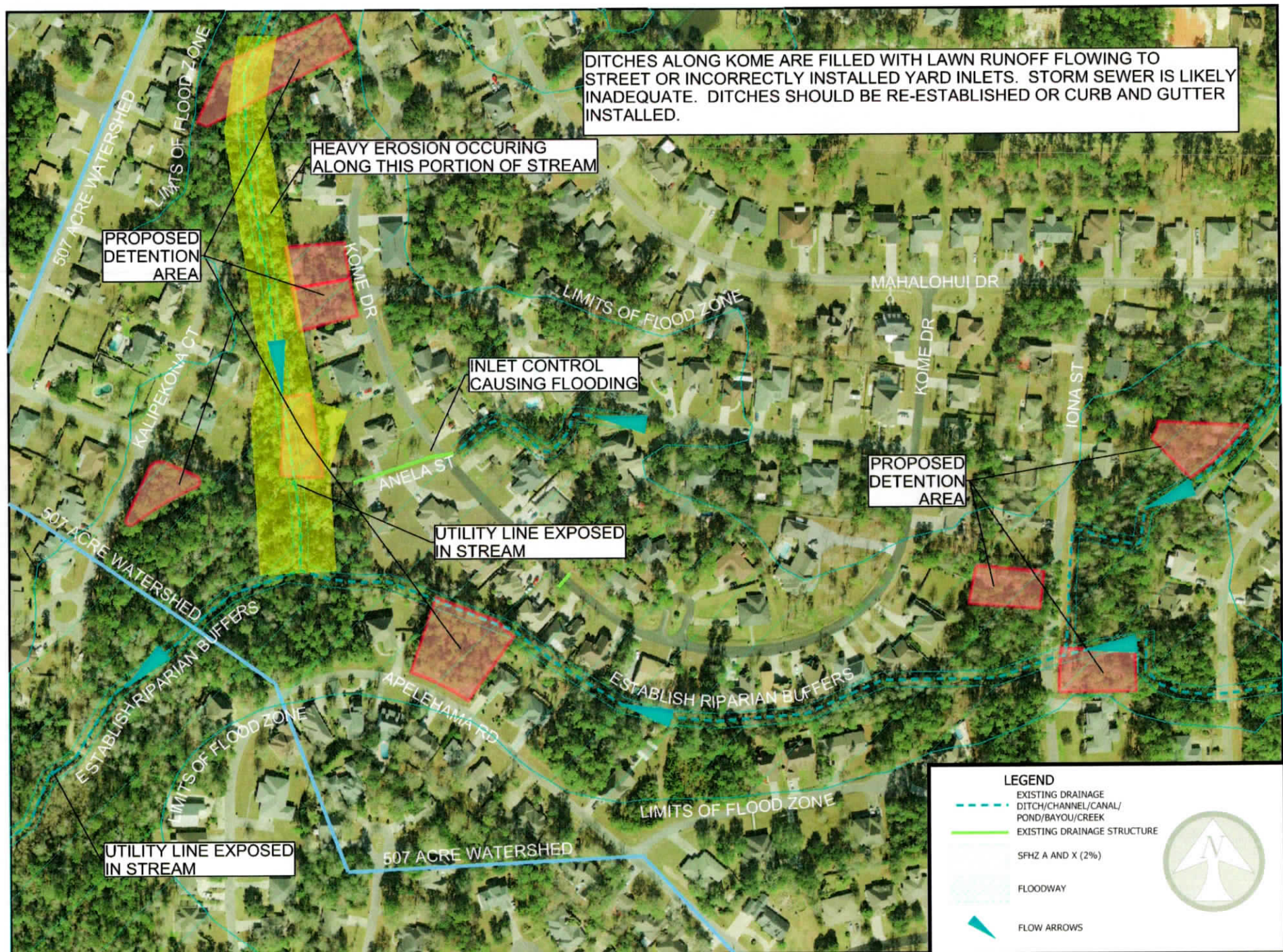
Opinion of Probable Cost

3.13 Fairway Drive

Pay Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$ 18,000.00	\$ 18,000.00
Clearing and Grubbing	LS	1	\$ 6,000.00	\$ 6,000.00
Remove Excess Sediment From Road Ditch	LF	400	\$ 18.00	\$ 7,200.00
Removal of Debris & Vegetation from Ditch	LF	400	\$ 24.00	\$ 9,600.00
Removal of Existing Asphalt	SY	100	\$ 24.00	\$ 2,400.00
Removal of Culvert (All Sizes)	LF	150	\$ 48.00	\$ 7,200.00
Removal of Sediment from Culverts	EA	12	\$ 240.00	\$ 2,880.00
Excess Excavation	CY	150	\$ 18.00	\$ 2,700.00
Crushed Limestone	CY	105	\$ 240.00	\$ 25,200.00
Select Fill	CY	75	\$ 36.00	\$ 2,700.00
Select Bedding Material	CY	25	\$ 36.00	\$ 900.00
Roadway Repair	EA	2	\$ 3,000.00	\$ 6,000.00
24" RCP	LF	50	\$ 72.00	\$ 3,600.00
30" RCP	LF	150	\$ 84.00	\$ 12,600.00
Headwalls	EA	6	\$ 1,800.00	\$ 10,800.00
Gabion Baskets	Tons	400	\$ 90.00	\$ 36,000.00
Filter Fabric	SY	150	\$ 6.00	\$ 900.00
Silt Fencing	LF	100	\$ 6.00	\$ 600.00
Wattles	EA	4	\$ 240.00	\$ 960.00
Excelsior Blankets	SY	100	\$ 24.00	\$ 2,400.00
Seeding and Mulch	LS	1	\$ 6,000.00	\$ 6,000.00
Traffic Control (includes Temp. Signage)	LS	1	\$ 6,000.00	\$ 6,000.00
Stormwater Detention Facility	LS	1	\$ 42,000.00	\$ 42,000.00
Topographic Survey	LS	1	\$ 30,000.00	\$ 30,000.00
H & H Analysis - Drainage Study	LS	1	\$ 9,600.00	\$ 9,600.00
<i>Estimated Construction Costs</i>				\$ 252,240.00
<i>Engineering Costs (Design, Inspection, Construction Testing, etc..)</i>				\$ 37,836.00
<i>Right-of-Way/Easement Acquisition</i>				\$ 25,000.00
<i>Legal</i>				\$ 7,500.00
<i>Permitting</i>				\$ 18,000.00
<i>15% Contingency</i>				\$ 37,836.00

Total Estimated Project Cost \$ 378,412.00

Project Number	3.15
Project Name	Kome Drive
Location Description	Site is a low area where runoff is collected and transferred off the surface to underground infrastructure. Flow collected at the site is local, but feeds into to a sizeable arterial drainage ditch. The stream exiting the area drains 500 plus heavily developed hilly acres.
Project Coordinates	30°23'18"N, 89°22'37"W
HUC12	031700091303 –Rotten Bayou
Project Type	H&H Study, Remove Inlet control, Re-establish Hydrologic section, Erosion Control, Detention
Number of residences or businesses benefitted	51-75
Anticipated Project Benefits	Improve Flow Characteristics Reduced possibility of flooding of roadways and homes in the area
Implementation Period	Study: Complete Design: 12 months Permits: SWPPP, NWP 41 Land Acquisition: Probable Implementation: 2 Yr
Flood Zone	Yes
Estimated Project Cost	\$844,240.00
Location Problems	 <p>Water has been reported on the roadway during storm events. Underground drainage system was not investigated to determine adequacy. Inlet control issues are likely the cause of back up, due to the local nature of the reported problems.</p>
Recommended Solution	Topographic survey of the immediate area to determine the storm sewer infrastructure and where inlet control is constricting flow. Re-establish ditch sections where feasible and armor to prevent erosion. Replace inadequate infrastructure with properly sized channels and culverts. Investigate detention possibilities and alternate ways of removing surface drainage. Establish riparian buffers along all streams in the area.



PROJECT:
0018081.000

DATE:
AUG - 2019

SCALE:
1 IN = 250 FT



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HANCOCK CO BOARD OF SUPERVISORS
COMPREHENSIVE WATERSHED BASED STORMWATER
MANAGEMENT PROGRAM

SHEET NAME:

KOME DRIVE - DIAMONDHEAD

SHEET NUMBER:

3.15

Opinion of Probable Cost

3.15 Kome Drive

Pay Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$ 60,000.00	\$ 60,000.00
Clearing and Grubbing	LS	2	\$ 18,000.00	\$ 36,000.00
Remove Excess Sediment From Road Ditch	LF	300	\$ 18.00	\$ 5,400.00
Removal of Debris & Vegetation from Ditch	LF	1200	\$ 18.00	\$ 21,600.00
Removal of Sediment from Culverts	EA	7	\$ 600.00	\$ 4,200.00
Modified Inlets	EA	4	\$ 3,000.00	\$ 12,000.00
Headwalls	EA	2	\$ 1,800.00	\$ 3,600.00
Gabion	Tons	900	\$ 90.00	\$ 81,000.00
Filter Fabric	SY	1200	\$ 6.00	\$ 7,200.00
Silt Fencing	LF	1000	\$ 6.00	\$ 6,000.00
Seeding and Mulch	LS	2	\$ 6,000.00	\$ 12,000.00
Solid Sodding	SY	200	\$ 12.00	\$ 2,400.00
Traffic Control (includes Temp. Signage)	LS	1	\$ 12,000.00	\$ 12,000.00
Stormwater Detention Facility	LS	8	\$ 30,000.00	\$240,000.00
Utility Relocation	LS	1	\$ 30,000.00	\$ 30,000.00
Topographic Survey	LS	1	\$ 42,000.00	\$ 42,000.00
H & H Analysis - Drainage Study	LS	1	\$ 14,400.00	\$ 14,400.00
<i>Estimated Construction Costs</i>				\$589,800.00
<i>Engineering Costs (Design, Inspection, Construction Testing, etc..)</i>				\$ 88,470.00
<i>Right-of-Way/Easement Acquisition</i>				\$ 45,000.00
<i>Legal</i>				\$ 7,500.00
<i>Permitting</i>				\$ 25,000.00
<i>15% Contingency</i>				\$ 88,470.00

Total Estimated Project Cost **\$844,240.00**