Department of Engineering Dan Gaillet, P.E., County Engineer 3137 South Liberty Street, Canton, MS 39046 Office (601) 790-2525 FAX (601) 859-3430

## **MEMORANDUM**

January 30, 2018

To:

Sheila Jones, Supervisor, District I Trey Baxter, Supervisor, District II Gerald Steen, Supervisor, District III David Bishop, Supervisor, District IV Paul Griffin, Supervisor, District V

From: Dan Gaillet, P.E. County Engineer

Re:

Sink Hole

118 Bridgewater Drive

Lake Caroline

A sink hole has formed due to the failure of an 18" pipe that carries roadway storm water from Bridgewater Drive across private property to Lake Caroline.

The Engineering Department suspects that the pipe has separated which is causing water to back up on Bridgewater Drive and creating a dangerous sink hole. Repairs have been quoted at \$3,400.

It is the recommendation of the Engineering Department that the Board approve a temporary construction easement and authorize repairs to ensure that storm water is moved from point-to-point to prevent damage to the roadway and further damage to the storm water system.

Therefore, it is in the best interest of the County and the public's health, safety and welfare to make the repairs, due to:

- Pipe has failed restricting flow off the roadway; and
- A dangerous sink hole has formed due to pipe failure.

SHEILA JONES District One

TREY BAXTER **District Two** 

**GERALD STEEN** District Three

DAVID BISHOP District Four

PAUL GRIFFIN District Five

LOCATION: 118 Bridge SINKHOLE FLOW CHART DATE: Yes Fix Sinkhole. Approximate Is sinkhole within County ROW? Is the sinkhole due to Repair Date \_\_\_\_\_ Yes failure of stormwater system? Sign\_ Date No No Determine problem, Is the sinkhole a threat County is not authorized to remove or replace who is responsible, to public streets or and handle damaged drainage infrastructure on private accordingly. property? landowners lot nor restore the property to its No prior condition. Sign \_ MS AG OP., Adams (March 4, 2011) Yes MS AG OP., Carnathan (February 16, 2010) No Date \_ Would repair of sinkhole benefit the public welfare as a whole and not individual land Date owner(s)? Yes Make factual determination of correction Has factual determination been made as to action with estimate costs (with pictures). No the repair of sinkhole (with pictures). \_ Date \_ Yes No Acquire temporary construction easement Is the failure within an existing easement? (to be submitted to Board) Yes < Present to Board on No Has Board been presented that such work and/or expenses (and temporary easement) are necessary in order to promote the public health, safety and welfare of the County? Yes Issue PO or Work Order Yes Board Approval Sign \_\_\_ No Date\_ Inform property owner Inform property owner that repair shall be made: \_ Date \_ Sign \_\_ (approx. date)



P.O. Box 1936 \* Madison, MS 39130 126 Weisenberger Road \* Madison, MS 39110 Phone: (601) 853-4242 \* Fax: (601) 853-4202

To:

Madison County

Date:

12/28/2017

Expires:

30 Days

Attn:

**Andrew Grant** 

RE:

Misc. Repairs with Polyurethane Foam

ITEM#	DESCRIPTION	QTY	UNIT PRICE	ITEM TOTAL
1	118 Bridegwater Dr. (Lake Caroline):	400/lbs. *	\$8.50	\$3,400.00
	Inject Polyurethane Foam Behind Seawall			
	at Pipe Intersection and Backfill	ansa (19. 18. 18. 18. 18. 18.)	1. V	
7,000,000,000,000,000,000		of countries and countries of		Day of said by publicate team of a Charles
20), (31) (7) (9), (6) (8)				
rangon (A.V.) Alle Anticong Comp				O MATERIA NE PROPERTO NO P
	and the second of the second o			
		protectives was allowed		and the state of t
			TOTAL	\$3,400.00

<u>EXCL</u>	USI	on	S:

Backfill with Dirt

No Irrigation Work

No Utility Work

No Sod or Landscape

NOTES:

NCFI 24-003 TerraThane™ Geotechnical Polyurethane Foam

BCC Not Responsible for Any Unknown Existing Conditions Not Reported Prior to Start of Work.

\* Quote is an Estimate Only. Actual Billings are Based on Amount of Foam Used. \*

\*\* Quantites Based on Visual Inspection Only.

Questions: Trey Jackson (601) 624-8739

## W.B.E. CERTIFIED

Quote Acceptance:	Date:	
parting found formal		



