

MEMORANDUM

To: Mayor and City Council

From: David Elliott

Date: January 8, 2018

Subject: **2567 Briers North Drive funding approval for Stormwater Repairs.**

ITEM DESCRIPTION

Approval of Funding for Stormwater Pipe and Detention Pond Repairs at 2567 Briers North Drive. Estimate for the repairs is \$134,556.26, which includes a 10% contingency.

BACKGROUND

City staff identified needed repairs after resident's report of a sinkhole. This larger diameter pipe repair project would involve the following:

- Replacement of 140' of 60" corrugated metal pipe with high density polyethylene pipe
- Replacement of detention pond outlet control structure
- Removal and demolition of existing piping, headwall and outlet control structure
- Construction of new poured in place headwall
- Erosion control measures
- 14 tree removals (due to access limitations and pond maintenance needs)
- Landscape replacements

This project will be funded with the 2018 Stormwater Maintenance Budget.

RECOMMENDED ACTION

Staff recommends approving \$134,556.26 in funding for Stormwater Culvert and Detention Pond Repairs at 2567 Briers North Drive.

#H.11.



Pipe Joint and Invert Failure Causing Primary Sink Hole



Invert Failure and Poor Alingment Throughout Pipe

#H.11.



Pipe and Headwall Failure at Downstream End of Culvert

Dunwoody On - Call Services
RFP 17-10

2567 Briers North Drive
10/24/2017

Item No.	Description	Quantity	Unit	Unit Cost	Total
	Mobilization	1	EA	\$1,400.00	\$1,400.00
	Traffic Control Minor (two flagmen, barricades etc.)	15	PER DAY	\$950.00	\$14,250.00
	Temporaty Silt Fence, Type C	400	LF	\$3.00	\$1,200.00
	Tree Save Fencing	400	CY	\$2.00	\$800.00
	Bridging Timbers for Pond	1	LS	\$10,278.37	\$10,278.37
	Sod (Bermuda)	550	SY	\$4.95	\$2,722.50
	Demo Existing CMP, Headwall, and OCS Box	1	LS	\$12,838.50	\$12,838.50
	Organic Material Fiber Blanket Installed	550	SY	\$4.90	\$2,695.00
	Remove and Replace Fencing	350	LF	\$33.00	\$11,550.00
	Clearing and Grubbing	1200	SY	\$1.75	\$2,100.00
	Tree Removal 6" - 12"	7	EA	\$616.00	\$4,312.00
	Tree Removal 13" - 23"	7	EA	\$765.00	\$5,355.00
	Debris Removal	300	CY	\$29.00	\$8,700.00
	Bypass Pumping Setup-equipment and hose placement	1	EA	\$1,200.00	\$1,200.00
	4" Pumping Operation Pumping	20	HR	\$50.00	\$1,000.00
	Cast in Place Conc. Headwall - GDOT STD. Det. 1125	9	CY	\$795.00	\$7,155.00
	60" HDPE	140	LF	\$113.60	\$15,904.00
	Additional Depth Invert>8.1' to 12'	140	LF	\$19.00	\$2,660.00
	OCS BOX	1	LS	\$7,647.50	\$7,647.50
	Finish Grading	1200	SY	\$1.95	\$2,340.00
	Haul-in Structural Fill	150	CY	\$20.72	\$3,108.00
	Haul-off Structural Fill	150	CY	\$20.72	\$3,108.00

\$122,323.87

CONTINGENCY 10%

\$12,232.39

Grand Total

\$134,556.26