

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:

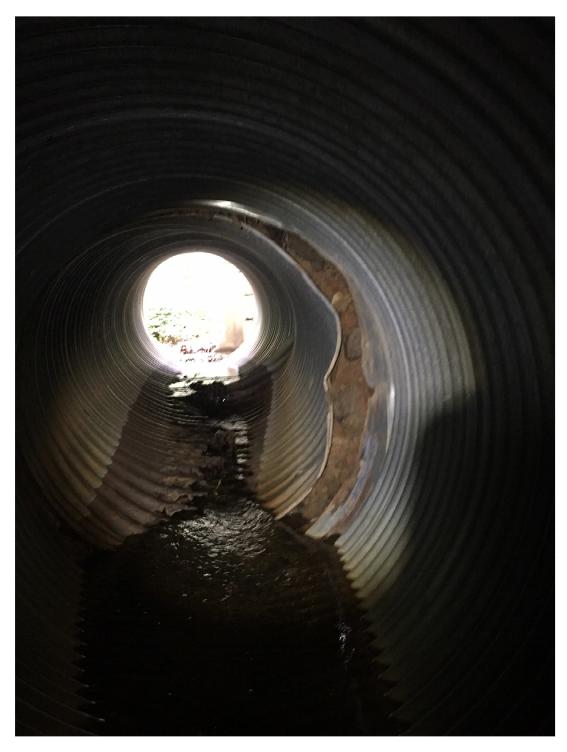
- Replacement of 140' of 60" corrugated metal pipe with high density polyethylene pipe
- Replacement of detention pond outlet control structure
- Removal and demolition of existing piping, headwall and outlet control structure
- Construction of new poured in place headwall
- Erosion control measures
- 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

#H.11.



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
манчания кильниктивалинга	Mobilization	1	EA	\$1,400.00	\$1,400.00
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ota invertivela invertivela antelesta.	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
ма има има вина има вина вина вина в	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
	Addional 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%

Grand Total

\$12,232.39

\$134,556.26