

To: Mayor and City Council
From: Carl Thomas, Stormwater Utility Manager
Re: Funding Authorization for 1511 Devonshire Way Storm Repairs
Date: May 8th, 2023

Action

Authorize the Mayor, City Manager, or designee to approve \$148,644.00 in funding for Stormwater Pipe Repairs at 1511 Devonshire Way.

Summary/Details

Structural deficiencies to the storm system on Devonshire Way were identified responding to a sinkhole reported by the homeowner. The pipe system is composed of +/- 320 linear feet (LF) of 30-inch corrugated metal pipe (CMP) that is approximately 60 years old and in poor condition. Closed-Caption Television (CCTV) footage discovered corrosion, visible holes, major deformities, and minor joint separation. Recommended repairs include:

- Repair +/- 320 LF of 30-inch CMP with Cured-In-Place Pipe (CIPP) liner
- 20 LF of point repairs
- 70 SY Fescue Sod replacement

If approved by Council, this project will be funded from the Stormwater Repairs and Maintenance Budget.

Recommendation

Staff recommends approving \$148,644.00 in funding for Stormwater Pipe Repairs at 1511 Devonshire Way.



Corrosion with visible holes
Major deformities to invert and crown

1511 DEVONSHIRE WAY CCTV Map*



*The City of Dunwoody does not warrant the accuracy or currency of the map provided and does not guarantee the suitability of the map for any purpose, expressed or implied.

UNIT PRICE SCHEDULE			Total Project	
Item	Unit	Unit Price	1511 Devonshire Way	
General Conditions			TTL Est Qty	TTL Est \$
Mobilization	EA	\$ 1,525.00	3	\$ 4,575.00
Traffic Control Minor 2 - Includes Cones and Signage	Per Day	\$ 2,200.00	13	\$ 28,600.00
TV Storm Lines (includes DVD & Report)	LF	\$ 5.00	323	\$ 1,615.00
30" PIPE - Cleaning less than 25% full	LF	\$ 7.00	323	\$ 2,261.00
30" Diameter	LF	\$ 375.00	20	\$ 7,500.00
Cast-in-Place Top Only w/Ring & Cover	EA	\$ 2,000.00	2	\$ 4,000.00
Invert Installation , 4' Diameter	EA	\$ 450.00	3	\$ 1,350.00
Flowable Fill Abandonment (Pumping included if	CY	\$ 1,175.00	0.5	\$ 587.50
30" Grout Each End to Structure	EA	\$ 250.00	4	\$ 1,000.00
Grout all joint, cracks & holes, in structures, complete	EA	\$ 625.00	4	\$ 2,500.00
30" PIPE - 13.5mm (.532")	LF	\$ 178.00	323	\$ 57,494.00
Inversion Setup Charge 15"- 36" CIPP	EACH	\$ 1,500.00	3	\$ 4,500.00
Clear & Grubbing	SY	\$ 7.50	11	\$ 82.50
Debris Removal	CY	\$ 60.00	10	\$ 600.00
Sodding Complete-Fescue	SY	\$ 26.00	70	\$ 1,820.00
Straw Mulch	SY	\$ 8.00	20	\$ 160.00
Shrub Replacement: 5 gallon , installed	EA	\$ 145.00	5	\$ 725.00
Removal of Existing Drainage Structure	EA	\$ 2,250.00	2	\$ 4,500.00
		Total Each Segment		\$123,870.00
			20%	\$ 24,774.00
			TTL \$\$	\$148,644.00

To: Mayor and City Council
From: Carl Thomas, Stormwater Utility Manager
Re: Funding Authorization for 5226 Wyntercreek Court Storm Repairs
Date: May 8th, 2023

Action

Authorize the Mayor, City Manager, or designee to approve \$194,555.34 in funding for Stormwater Pipe Repairs at 5226 Wyntercreek Court.

Summary/Details

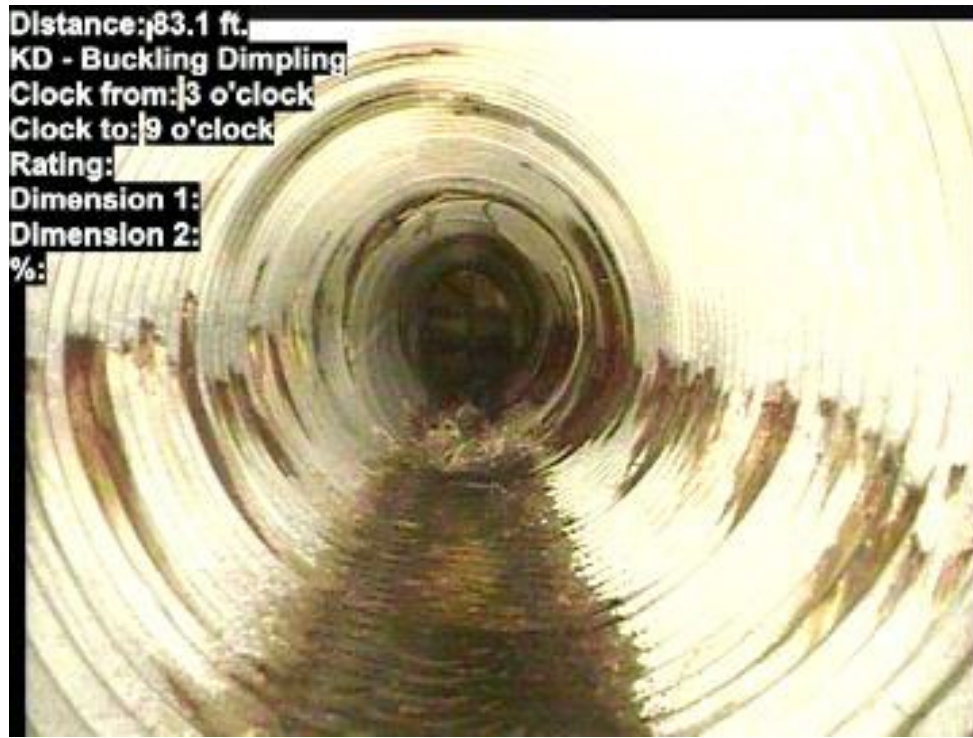
Structural deficiencies to the storm system on 5226 Wyntercreek Court were identified responding to a sinkhole reported by the property owner. The pipe system is composed of +/- 240 linear feet (LF) of 24 and 30-inch corrugated metal pipe (CMP) that is approximately 48 years old and in poor condition. Closed-Caption Television (CCTV) footage discovered corrosion, visible holes, deformities and major joint separation. Recommended repairs include:

- Repair +/- 160 LF of 24-inch CMP with Cured-In-Place Pipe (CIPP) liner
- Replace 80 LF of failed CMP with 30-inch Reinforced Concrete Pipe (RCP)
- Replace 160 square yard driveway
- 500 SY Zoysia Sod replacement

If approved by Council, this project will be funded from the Stormwater Repairs and Maintenance budget allocated for stormwater improvement projects.

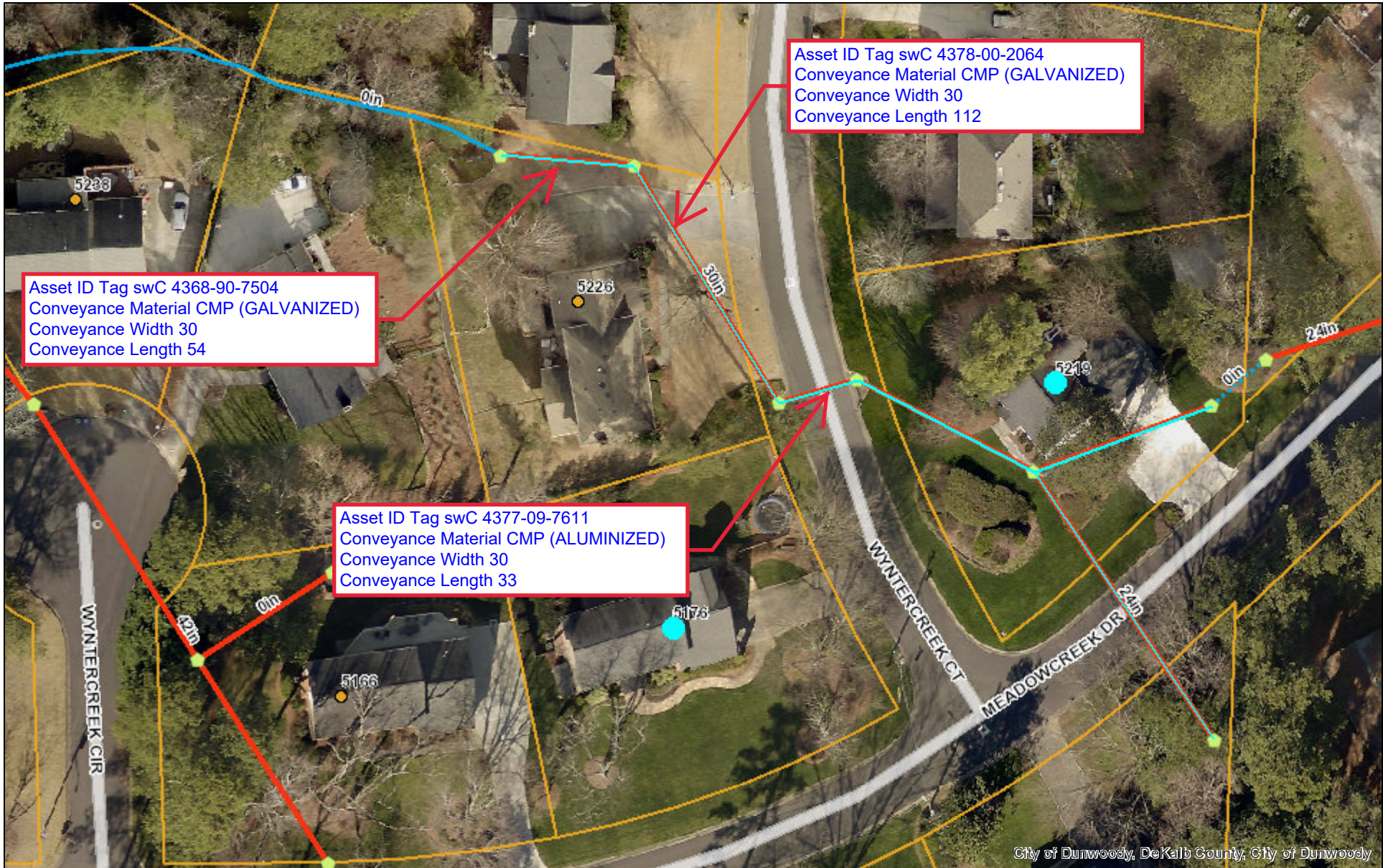
Recommendation

Staff recommends approving \$194,555.34 in funding for Stormwater Pipe Repairs at 5226 Wyntercreek Court.



Pipe Corrosion, Major Joint Separation, Visible Holes, Minor Buckling

CITY OF DUNWOODY RFP 22-03 STANDBY STORMWATER REPAIR UNIT PRICE CONTRACT					
SOUTHERN PREMIER CONTRACTORS, INC. 2022					
PROJECT LOCATION:			5226 Wyntercreek		
PREPARED BY:			M. Massey		
DATE ESTIMATE PREPARED:			4.26.23		
TOTAL ESTIMATE (PLUS 20% CONTINGENCY)			\$ 194,555.34		
Item#	Item	Quantity	Unit	Unit Price	Total Cost
1	Mobilization	1	EA	\$ 2,000.00	\$ 2,000.00
5	Traffic Control Minor 2 – Includes Cones and Signage	8	Per Day	\$ 1,800.00	\$ 14,400.00
15	24" PIPE - Cleaning less than 25% full	157	LF	\$ 6.85	\$ 1,075.45
49	24" SRCMP	30	LF	\$ 75.00	\$ 2,250.00
61	30" RCP	80	LF	\$ 170.00	\$ 13,600.00
78	Invert >8.1' to 12'	50	LF	\$ 75.00	\$ 3,750.00
103	Precast Headwall for 30" Pipe	1	EA	\$ 1,350.00	\$ 1,350.00
129	24" Diameter	10	LF	\$ 550.00	\$ 5,500.00
188	4' Round Precast Manhole w/ Manhole Ring & Cover	10	VF	\$ 800.00	\$ 8,000.00
204	Cast-in-Place Top Only w/Ring & Cover	1	EA	\$ 2,500.00	\$ 2,500.00
206	Invert Installation, 4' Diameter	3	EA	\$ 450.00	\$ 1,350.00
211	Uncover Buried Junction Box (4'-7.9')	1	EA	\$ 800.00	\$ 800.00
217	Pressure Grouting (Pumping included if needed)	1	CY	\$ 1,800.00	\$ 1,800.00
222	24" Grout Each End to Structure	4	EA	\$ 225.00	\$ 900.00
224	30" Grout Each End to Structure	2	EA	\$ 240.00	\$ 480.00
232	Grout all joint, cracks & holes, in structures, complete (structures 8' deep or less)	2	EA	\$ 800.00	\$ 1,600.00
233	Grout all joint, cracks & holes, in structures, complete (structures greater than 8')	1	EA	\$ 1,550.00	\$ 1,550.00
	24" PIPE - 11.0mm (.433")	157	LF	\$ 190.00	\$ 29,830.00
	Inversion Setup Charge 15"- 36" CIPP	2	EACH	\$ 2,500.00	\$ 5,000.00
335	Driveway 6" Concrete (Commercial w/6" of GAB included)	100	SY	\$ 95.00	\$ 9,500.00
346	Curb & Gutter 6"x24"x12" High Back	21	LF	\$ 52.00	\$ 1,092.00
360	Tree Removal 6"-12"	1	EA	\$ 1,000.00	\$ 1,000.00
362	Tree Removal >23"	1	EA	\$ 3,200.00	\$ 3,200.00
363	Clear & Grubbing	20	SY	\$ 15.00	\$ 300.00
364	Channel Excavation	10	CY	\$ 25.00	\$ 250.00
367	Haul-Off Soil Material	51	CY	\$ 85.00	\$ 4,335.00
372	Stone Rip Rap Type III In Place	18	TN	\$ 95.00	\$ 1,710.00
377	Install & Remove Type C Silt Fence - Alternative	50	LF	\$ 8.00	\$ 400.00
385	Seed & Straw (Temporary Grassing)	500	SY	\$ 6.00	\$ 3,000.00
388	Sodding Complete-Zoyzia	504	SY	\$ 18.00	\$ 9,072.00
391	Pine Straw	15	EA	\$ 9.00	\$ 135.00
398	Shrub Replacement: 3 gallon, installed	5	EA	\$ 125.00	\$ 625.00
401	Shrub Replacement: 15 gallon, installed	1	EA	\$ 500.00	\$ 500.00
402	Shrub Replacement: 30 gallon, installed	1	EA	\$ 700.00	\$ 700.00
404	Irrigation Line Replacement	5	LF	\$ 3.00	\$ 15.00
405	Irrigation Head Replacement (Builder Grade)	100	EA	\$ 60.00	\$ 6,000.00
407	Debris Removal, Tandem Dump Truck	3	Per Load	\$ 850.00	\$ 2,550.00
408	Removal of Existing Non Drainage Structure	1	EA	\$ 2,500.00	\$ 2,500.00
409	Removal of Existing Drainage Structure	2	EA	\$ 2,250.00	\$ 4,500.00
410	Remove Existing Pipe all Types and Sizes	90	LF	\$ 85.00	\$ 7,650.00
411	Saw Cut Existing Pavements	100	LF	\$ 5.00	\$ 500.00
412	Stone #57	54	TON	\$ 90.00	\$ 4,860.00
	TOTAL INVOICE				\$ 162,129.45



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