

MEMORANDUM

To: Mayor and City Council
From: Carl Thomas, Stormwater Manager
Date: April 26th, 2021
Subject: Funding Authorization for 4833 Dunwoody Station Drive Stormwater Repairs

ITEM DESCRIPTION

Approval of Funding for Stormwater Repairs at 4833 Dunwoody Station Drive. Estimated cost, plus 20% contingency, is \$60,819.90.

BACKGROUND

Structural deficiencies to the storm system on Dunwoody Station Drive were identified responding to a sinkhole on 11/3/2020. The entire pipe system is approximately 41.4 years old and in poor condition. CCTV footage discovered visible holes in the pipe, root obstructions, offset joints, and an unstable outlet headwall. Recommended repairs include:

- Repair 382 LF of 18" Corrugated Metal Pipe (CMP) with cured in place pipe
- Dig and Replace 10 LF of 18" CMP
- Replace one solid top junction box with ring and cover
- Reset and stabilize headwall

If approved, this project will be funded from the FY2021 Stormwater Repairs and Maintenance Budget.

RECOMMENDED ACTION

Staff recommends approving \$60,819.90 in funding for Stormwater Pipe Repairs at 4833 Dunwoody Station Drive.

INVERT CORROSION WITH VISIBLE HOLES



PARTIAL COLLAPSE OF OUTLET PIPE



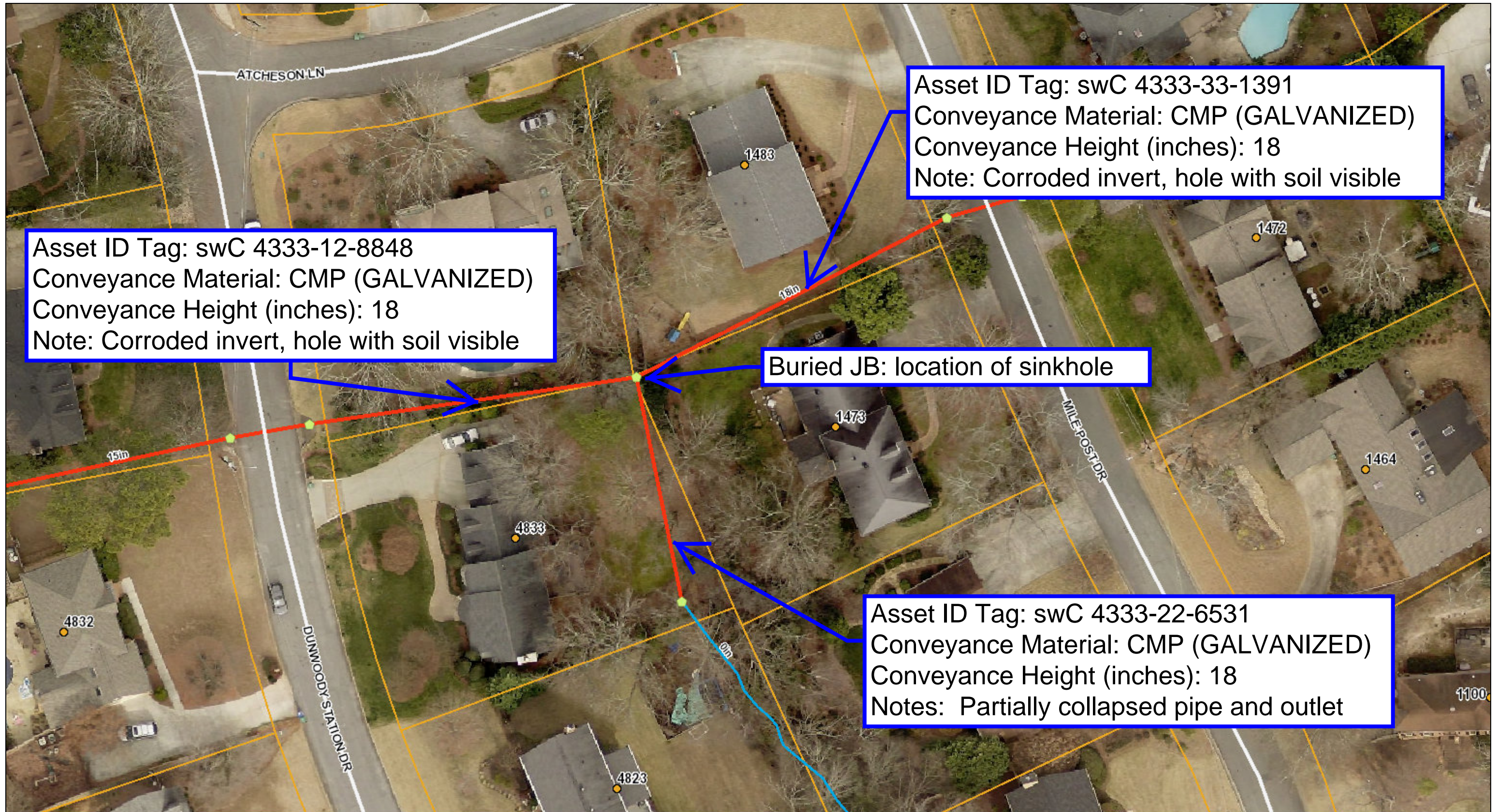
UNSTABLE OUTLET STRUCTURE



Lynn Deutsch Mayor
Eric Linton, ICMA-CM City Manager
Sharon Lowery, CMC City Clerk

Pam Tallmadge City Council Post 1
Jim Riticher City Council Post 2
Tom Lambert City Council Post 3

Stacey Harris City Council Post 4
Joe Seconder City Council Post 5
John Heneghan City Council Post 6
Packet page:...



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.

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IPR Southeast LLC	
ESTIMATE - RFP 18-04 2018 STANDBY STORMWATER REPAIR UNIT CONTRACT	
PROJECT LOCATION:	4833 Dunwoody Station Dr
DATE ESTIMATE PREPARED:	8-Apr-21
ESTIMATE PREPARED BY:	Derek Mierswa
ESTIMATE AMOUNT:	\$50,683.25
20 % CONTINGENCY:	\$10,136.65
ESTIMATE GRAND TOTAL:	\$60,819.90

Pre-Lining Work:	
	Pre CCTV and Cleaning
	New CB ring and cover for swS 4333-33-8645
	10 LF point repair on pipe swC 4333-22-6531
Lining Work:	
	CIPP Lining - 382 LF of 18"x9.0mm
Post Lining Work:	
	Post CCTV
	New inverts in all structures
	Restoration

ITEM #	Description	Unit	Unit Price	Quantity	Total Costs
General Conditions					
1	Mobilization	EA	\$ 2,000.00	1.00	\$ 2,000.00
Traffic Control					
5	Traffic Control Minor 2 - Includes Cones and Signage	DA	\$ 1,850.00	1.00	\$ 1,850.00
TV Inspection and Jet-Vac Cleaning					
7	CCTV Storm (w/ DVD & Report)	LF	\$ 2.50	441.00	\$ 1,102.50
Storm Cleaning (less than 25% full)					
12	18" Pipe - Cleaning less 25% full	LF	\$ 4.75	441.00	\$ 2,094.75
Internal Point Repair					
131	18" Diameter	LF	\$ 375.00	10.00	\$ 3,750.00
Misc & Special Structures/Components					
207	Cast in Place Top w/R/C	CY	\$ 1,150.00	1.00	\$ 1,150.00
209	Invert Installation, 4' Dia	EA	\$ 275.00	2.00	\$ 550.00
210	Invert Installation, 5' Dia	EA	\$ 375.00	1.00	\$ 375.00
Grout Connection to Structure					
222	18" Grout Each End to Structure	EA	\$ 185.00	6.00	\$ 1,110.00
234	Grout all jnt, crcks & holes (8'deep or less)	EA	\$ 500.00	4.00	\$ 2,000.00
Lining Requirements					
CIPP (12' or less in depth)					
Includes Pre and Post TV during lining					
238	18" - 8.0mm (.315")	LF	\$ 65.00	382.00	\$ 24,830.00

255	Add Thickness Per 1.5mm -18"	LF	\$ 3.00	382.00	\$ 1,146.00
Inversion Setup					
270	Inversion Setup Charge 15-36" CIPP	EA	\$ 900.00	2.00	\$ 1,800.00
Earthwork & Grading					
368	Haul-In Structural Fill Material	CY	\$ 50.00	60.00	\$ 3,000.00
370	Finish Grading	SY	\$ 5.00	300.00	\$ 1,500.00
Erosion Control					
389	Sodding Complete - Bermuda	SY	\$ 5.75	300.00	\$ 1,725.00
393	Pine Straw	SY	\$ 2.50	100.00	\$ 250.00
Miscellaneous Items					
432	Reset Existing Headwall	EA	\$ 450.00	1.00	\$ 450.00
TOTAL ESTIMATE					\$50,683.25