

To: Mayor and City Council
From: Carl Thomas, Stormwater Utility Manager
Re: Funding Authorization for 124 Perimeter Center West (Phase I) Storm Repairs
Date: November 28th, 2022

Action

Authorize the Mayor, City Manager, or designee to approve \$475,144.56 in funding for Stormwater Pipe Repairs at 124 Perimeter Center West.

Summary/Details

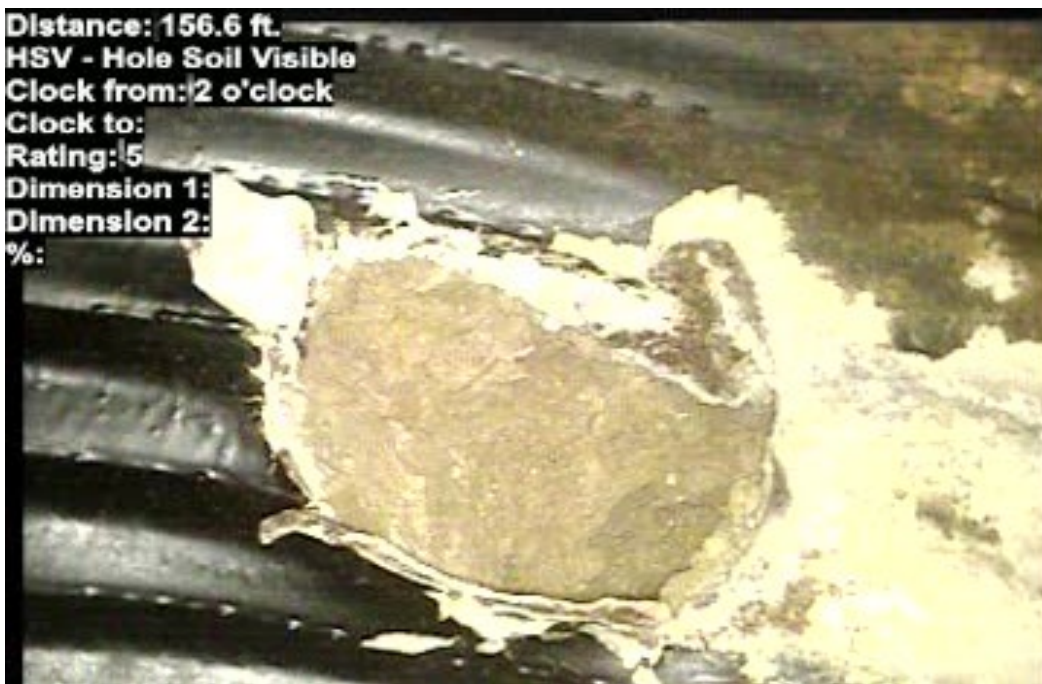
Structural deficiencies to the storm system on Perimeter Center West were identified performing routine inspections on the storm network. The pipe system is composed of +/- 400 linear feet of 78 and 48-inch corrugated metal pipe (CMP) approximately 20 feet deep under a six-lane section of Perimeter Center West. Closed-Caption Television (CCTV) footage discovered corrosion, visible holes and joint separations in the pipe system. CCTV footage also found a possible potable water infiltrating into a 24-inch storm line from a water main leak that is under investigation by DeKalb DWM. Phase two of this project is the cured in place pipe lining of the 24-inch line once the source of the water leak is identified and eliminated. Recommended repairs include:

- Repair 400 LF of 48 and 78 inch CMP with Centrifugal Spin Cast Lining
- 30 LF of internal point repairs
- 80 hours of bypass pumping
- 20 cubic yards (CY) pressure grouting

If approved by Council, this project will be funded from the American Rescue Plan Act (ARPA) budget allocated for stormwater improvement projects.

Recommendation

Staff recommends approval of \$475,144.56 in funding for Stormwater Pipe Repairs at 124 Perimeter Center West.



Corrosion with visible holes



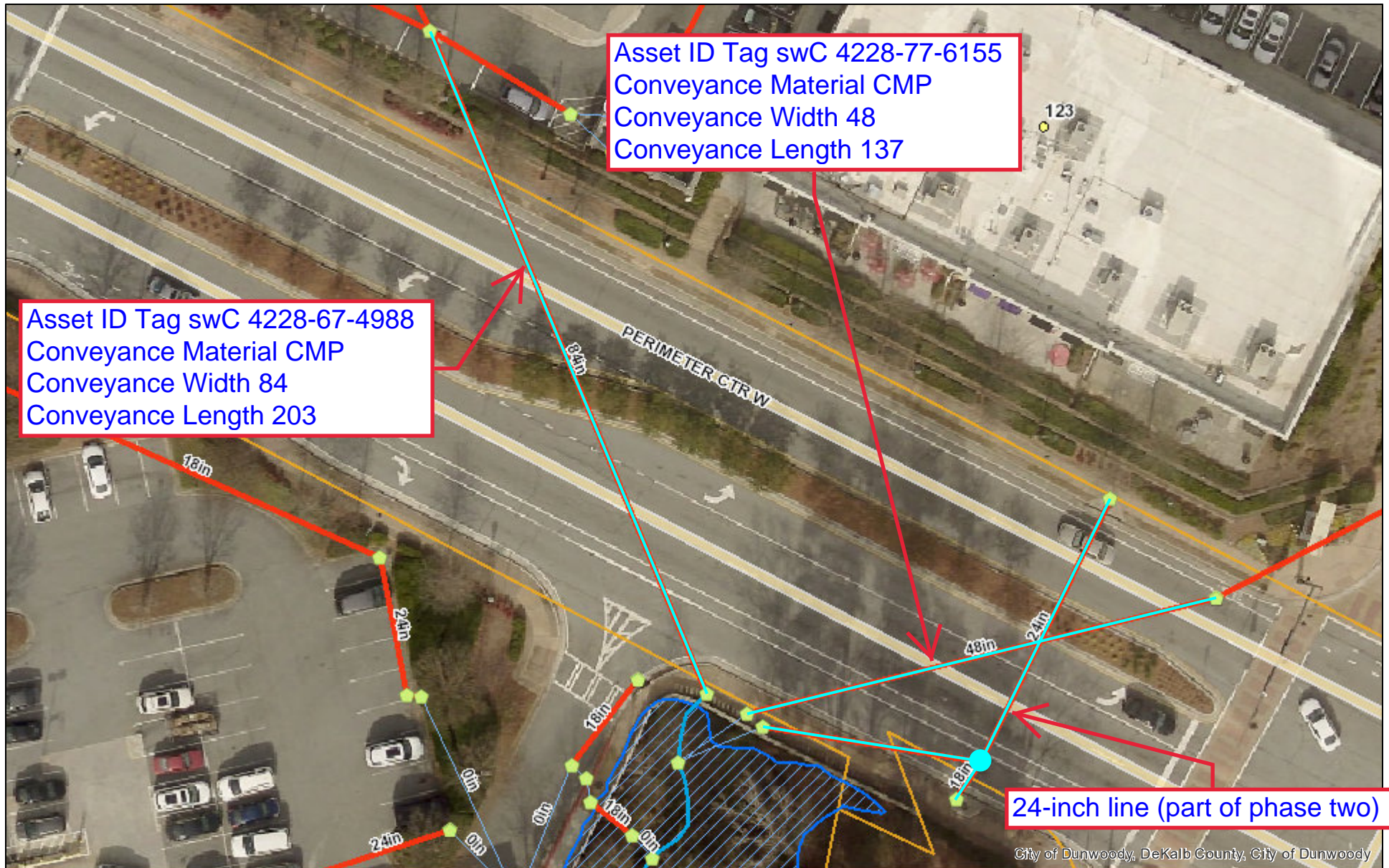
Site Evaluation of Storm System

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

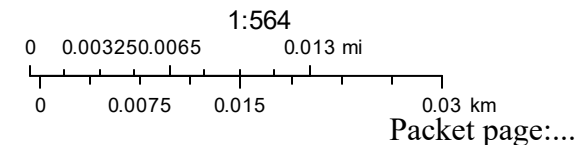
Catherine Lautenbacher City Council Post 1
Rob Price City Council Post 2
Tom Lambert City Council Post 3

Stacey Harris City Council Post 4
Joe Seconder City Council Post 5
John Heneghan City Council Post 6

Packet page:...



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CITY OF DUNWOODY RFP 22-03 STANDBY STORMWATER REPAIR UNIT PRICE CONTRACT

SOUTHERN PREMIER CONTRACTORS, INC. 2022

PROJECT LOCATION:

124 Perimeter Center West

PREPARED BY:

M. Massey

DATE INVOICE PREPARED:

10/28/2022

TOTAL INVOICE

\$ 431,949.60

10%

\$ 43,194.96

\$ 475,144.56

Item#	Item	Quantity	Unit	Unit Price	Total Cost
1ND	Mobilization	1	EA	\$ 2,000.00	\$ 2,000.00
4ND	Traffic Control Minor 1 – Includes Continuous Crew of 2 Flagmen	4	Per Day	\$ 2,000.00	\$ 8,000.00
5ND	Traffic Control Minor 2 – Includes Cones and Signage	21	Per Day	\$ 1,800.00	\$ 37,800.00
9ND	Hydro-Excavation complete (onsite hours only)	10	Per Hour	\$ 375.00	\$ 3,750.00
18ND	48" PIPE - Cleaning less than 25% full	200	LF	\$ 9.00	\$ 1,800.00
23ND	78" PIPE - Cleaning less than 25% full	196	LF	\$ 17.60	\$ 3,449.60
45ND	42" to 96" PIPE	20	LF	\$ 80.00	\$ 1,600.00
136ND	48" Diameter	10	LF	\$ 400.00	\$ 4,000.00
139ND	78" Diameter	16	LF	\$ 400.00	\$ 6,400.00
211ND	Invert Installation, 6' Diameter	1	EA	\$ 500.00	\$ 500.00
212ND	Invert Installation, other configurations	144	SF	\$ 75.00	\$ 10,800.00
	Pressure Grouting (Pumping included if needed)	20	CY	\$ 1,800.00	\$ 36,000.00
229ND	48" Grout Each End to Structure	2	EA	\$ 325.00	\$ 650.00
233ND	78" Grout Each End to Structure	2	EA	\$ 575.00	\$ 1,150.00
276ND	48" Cent. Spin Cast Lining	200	LF	\$ 550.00	\$ 110,000.00
280ND	78" Cent. Spin Cast Lining	196	LF	\$ 975.00	\$ 191,100.00
407ND	Debris Removal, Tandem Dump Truck	3	Per Load	\$ 850.00	\$ 2,550.00
418ND	Bypass pumping setup-equipment and hose placement	2	EA	\$ 1,000.00	\$ 2,000.00
419ND	4" Pumping Operation Time	40	HR	\$ 60.00	\$ 2,400.00
420ND	6" Pumping Operation Time	80	HR	\$ 75.00	\$ 6,000.00