



4800 Ashford Dunwoody Road  
Dunwoody, Georgia 30338  
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## **MEMORANDUM**

**To:** Mayor and City Council

**From:** Carl Thomas, Stormwater Manager

**Date:** September 23rd, 2019

**Subject:** **Memorandum – Funding Authorization for 1280 Witham Drive Stormwater Repairs**

### **ITEM DESCRIPTION**

Approval of Funding for Stormwater Pipe Repairs at **1280 Witham Drive**. Estimated cost, plus 20% contingency, is **\$197,962.50**.

### **BACKGROUND**

Structural deficiencies to the storm system on Witham Drive were identified responding to a sinkhole in December of 2018. The pipe system is approximately 48 years old and in poor condition. CCTV footage revealed severe corrosion with multiple voids in the invert. Recommended repairs include:

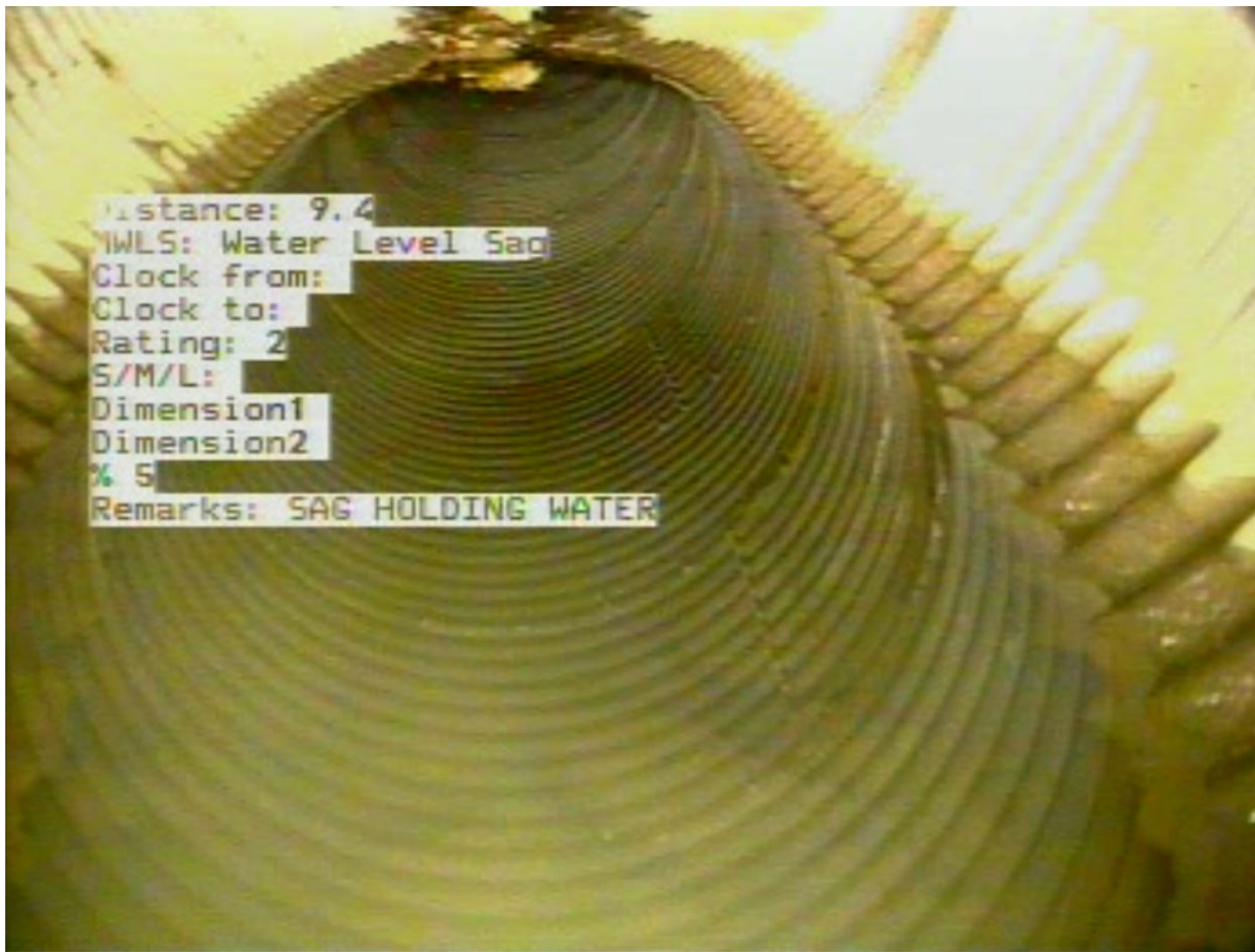
- Lining approximately 670 LF of 24" and 36" Corrugated Metal Pipe
- Locate and Raise 1 buried junction box
- Replacing solid slab tops to standard ring & cover pedestal tops
- Dig & Replace +/- 20 feet of 36 inch CMP

The remaining projects budgeted for completion in FY2019 could generate a deficit in the Stormwater Repairs & Maintenance account if contingencies are needed (see attached summary). As of January 1st, 2019, the Stormwater Reserve Fund balance is \$2,688,155.95. Public Works prefers to keep a balance of \$1,000,000 for emergency repairs, . Staff recommends deducting the cost of this project from the surplus available in this account.

### **RECOMMENDED ACTION**

Staff recommends approving \$197,962.50 in funding for Stormwater Pipe Repairs at 1280 Witham Drive.

## WATER SAG WITH LARGE HOLE IN INVERT



## PARTIAL COLLAPSE OF 36" CMP



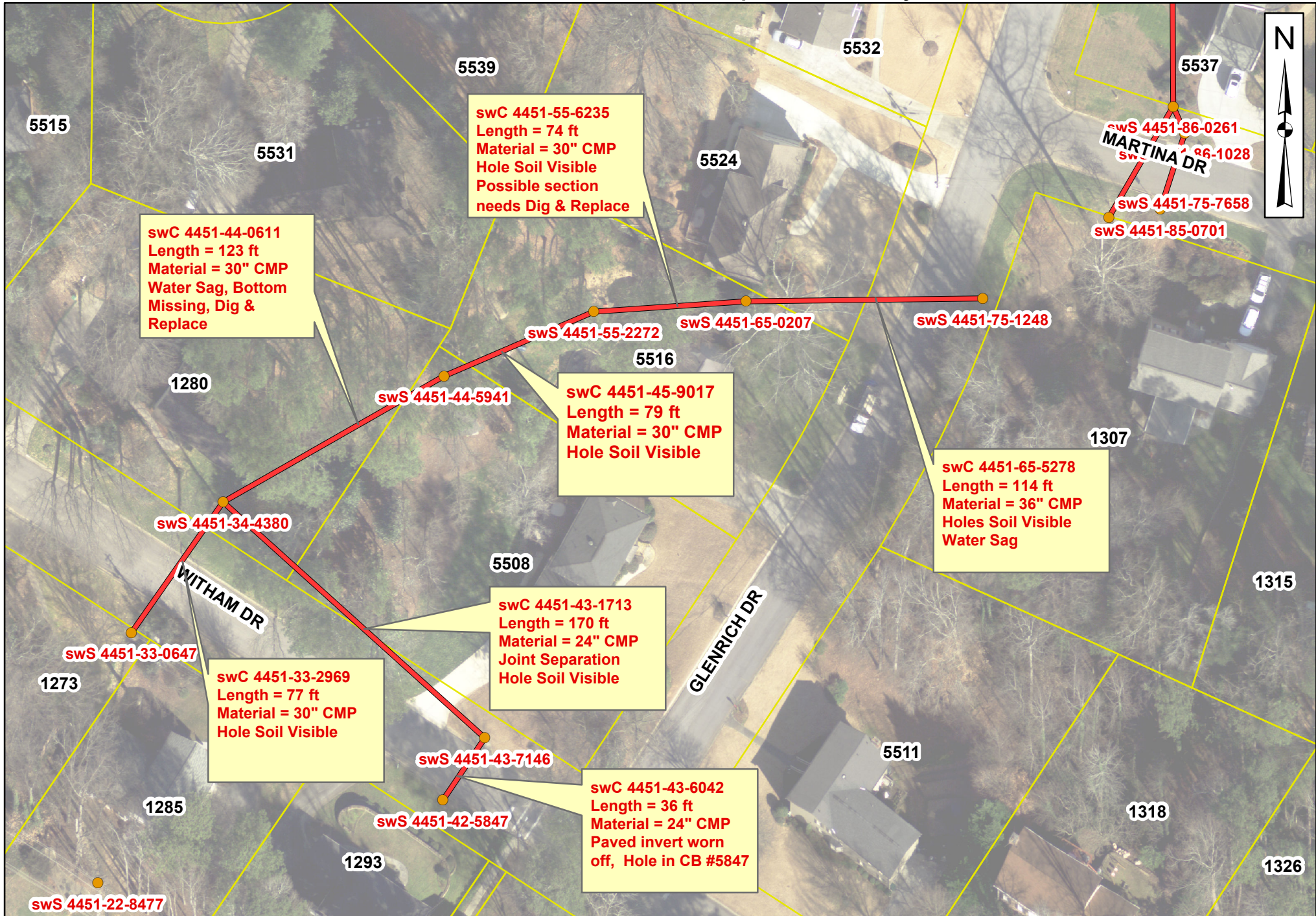


## 5 x 10 FOOT SINKHOLE





## 1280 Witham Dr CCTV Inspection Summary



\*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.



# IPR Southeast LLC

## ESTIMATE - RFP 18-04 2018 STANDBY STORMWATER REPAIR UNIT CONTRACT

<b>PROJECT LOCATION:</b>	<b>1280 Witham Drive Dunwoody, GA 30338</b>
<b>DATE ESTIMATE PREPARED:</b>	<b>10-Sep-19</b>
<b>ESTIMATE PREPARED BY:</b>	<b>Daniel Guse</b>
<b>ESTIMATE AMOUNT:</b>	<b>\$164,968.75</b>
<b>20 % CONTINGENCY:</b>	<b>\$32,993.75</b>
<b>ESTIMATE GRAND TOTAL:</b>	<b>\$197,962.50</b>

### Pre-Lining Work:

	CCTV and Cleaning
	Locate and Raise 1 buried junction box
	Replace Tops with Man Entry Tops
	Convert existing tops to standard pedestal tops
	Pipe Invert Repair
	Open Cut Replace approximately 15 LF of 36" pipe

### Lining Work:

	200 LF of 24" pipe x 10.5 mm
	470 LF of 36" pipe x 16.5 mm

### Post Lining Work:

	Restoration
	Pipe End Seals
	New Inverts in all Structures
	Post CCTV

ITEM #	Description	Unit	Unit Price	Quantity	Total Costs
	<b>General Conditions</b>				
1	Mobilization	EA	\$ 2,000.00	1.00	\$ 2,000.00
2	Out of Scope Work, Foreman	HR	\$ 85.00	10.00	\$ 850.00
3	Out of Scope Work, Laborer	HR	\$ 70.00	30.00	\$ 2,100.00
	<b>Traffic Control</b>				
5	Traffic Control Minor 2 - Includes Cones and Signage	DA	\$ 1,850.00	3.00	\$ 5,550.00
	<b>TV Inspection and Jet-Vac Cleaning</b>				
7	CCTV Storm (w/ DVD & Report)	LF	\$ 2.50	670.00	\$ 1,675.00
	<b>Storm Cleaning (less than 25% full)</b>				

14	24" Pipe - Cleaning less than 25% full	LF	\$ 5.50	200.00	\$ 1,100.00
16	36" Pipe - Cleaning less than 25% full	LF	\$ 6.75	470.00	\$ 3,172.50
	<b>Spiral Rib CMP</b>				
	<b>includes excavation, backfill, &amp; compaction</b>				
50	36" SRCMP	LF	\$ 50.00	45.00	\$ 2,250.00
	<b>Flowable Paved Pipe Invert</b>				
125	36" Diameter	LF	\$ 45.00	75.00	\$ 3,375.00
	<b>Internal Point Repair</b>				
134	36" Diameter	LF	\$ 200.00	15.00	\$ 3,000.00
	<b>Storm Drain Inlets &amp; Manholes</b>				
	<b>New Std Inlet GDOT 1019/1011 or DeKalb Std</b>				
	<b>Brick Square Inlets</b>				
147	5' Square Brick Inlets w/Flush Grte Only	VF	\$ 650.00	3.00	\$ 1,950.00
	<b>Brick Round Inlets</b>				
156	5' Round Brick Inlet w/Flush Grate	VF	\$ 550.00	6.00	\$ 3,300.00
	<b>Round Precast Manholes</b>				
192	5' Round Brick MH w/ Ring & Cover	VF	\$ 550.00	5.00	\$ 2,750.00
	<b>Misc &amp; Special Structures/Components</b>				
198	5' Dia Pedestal Top w MH R/C	EA	\$ 1,100.00	3.00	\$ 3,300.00
210	Invert Installation, 5' Dia	EA	\$ 375.00	8.00	\$ 3,000.00
214	Uncover Buried JB (4'-7.9)	EA	\$ 600.00	1.00	\$ 600.00
	<b>Grout Connection to Structure</b>				
224	24" Grout Each End to Structure	EA	\$ 225.00	4.00	\$ 900.00
227	36" Grout Each End to Structure	EA	\$ 250.00	12.00	\$ 3,000.00
	<b>Lining Requirements</b>				
	<b>CIPP (12' or less in depth)</b>				
	<b>Includes Pre and Post TV during lining</b>				
240	24" - 10.0mm (.3937")	LF	\$ 93.00	200.00	\$ 18,600.00
242	36" - 16.0mm (.6299")	LF	\$ 145.00	470.00	\$ 68,150.00
257	Add Thickness Per 1.5mm -24"	LF	\$ 3.50	200.00	\$ 700.00
259	Add Thickness Per 1.5mm -36"	LF	\$ 5.00	470.00	\$ 2,350.00
	<b>Inversion Setup</b>				
270	Inversion Setup Charge 15-36" CIPP	EA	\$ 900.00	4.00	\$ 3,600.00
	<b>Cast in Place Concrete</b>				
339	Reg. Duty Sidewalk (4" Thick, 3000 psi), <5 length	SY	\$ 65.00	58.00	\$ 3,770.00
	<b>Earthwork &amp; Grading</b>				
362	Tree Removal 6" - 12"	EA	\$ 550.00	4.00	\$ 2,200.00
365	Clear & Grubbing	SY	\$ 12.50	80.00	\$ 1,000.00
369	Haul-Off Soil Material	CY	\$ 50.00	5.00	\$ 250.00
370	Finish Grading	SY	\$ 5.00	275.00	\$ 1,375.00
372	Debris Removal	CY	\$ 60.00	10.00	\$ 600.00

	<b>Erosion Control</b>				
374	Stone Rip Rap Type III In Place	SY	\$ 65.00	15.00	\$ 975.00
379	Install & Remove Type C Silt Fence-ALT	LF	\$ 6.00	50.00	\$ 300.00
382	Install & Remove Orange Tree Save Fence	LF	\$ 30.00	100.00	\$ 3,000.00
388	Sodding Complete - Fescue	SY	\$ 5.75	275.00	\$ 1,581.25
395	Tree Replacment 1-1/2" Harwood, Installed	EA	\$ 275.00	3.00	\$ 825.00
401	Shrub Replacement: 5 gallon, installed	EA	\$ 135.00	5.00	\$ 675.00
	<b>Miscellaneous Items</b>				
407	Debris Removal, Tandem Dump Truck	Load	\$ 800.00	2.00	\$ 1,600.00
409	Removal of Existing Drainage Structure	EA	\$ 850.00	5.00	\$ 4,250.00
410	Removal Existing Pipe all Types and Sizes	LF	\$ 65.00	45.00	\$ 2,925.00
412	Stone #57	Ton	\$ 42.00	10.00	\$ 420.00
414	No.3's and 4' Stone	Ton	\$ 45.00	10.00	\$ 450.00
430	Rem/Rep Existing 6' Wood Fence Residential	LF	\$ 75.00	20.00	\$ 1,500.00
	<b>TOTAL ESTIMATE</b>				<b>\$164,968.75</b>



### YTD Stormwater Repairs & Maintenance Budget

FY 2019 Remaining Balance	\$341,748.60
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Current Stormwater Projects In Progress	Estimated Cost (-w- contingency)
1708 N Houghton Ct (Pipe Lining)	\$56,315.88
4616 Amberly Ct (Pipe Lining)	\$64,288.50
5252 Redfield Ct (Dig & Replace Pipe Repair/Lining)	\$207,519.96
5134 Meadowlake Ln (Pipe Lining)	\$70,275.00
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<b>Estimated Remaining balance</b>	<b>-\$56,650.74</b>

### Stormwater Reserve Fund

Current Balance	\$2,688,155.95
1280 Witham Dr (Dig & Replace Pipe Repair/Lining)	\$197,962.50
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<b>Estimated Remaining balance</b>	<b>\$2,433,542.71</b>