

To: Mayor and City Council
From: Carl Thomas, Stormwater Utility Manager
Re: Funding Authorization for 1240 Dunwoody Knoll Drive Storm Repairs
Date: November 28th, 2022

Action

Authorize the Mayor, City Manager, or designee to approve \$357,164.50 in funding for Stormwater Pipe Repairs at 1240 Dunwoody Knoll Drive.

Summary/Details

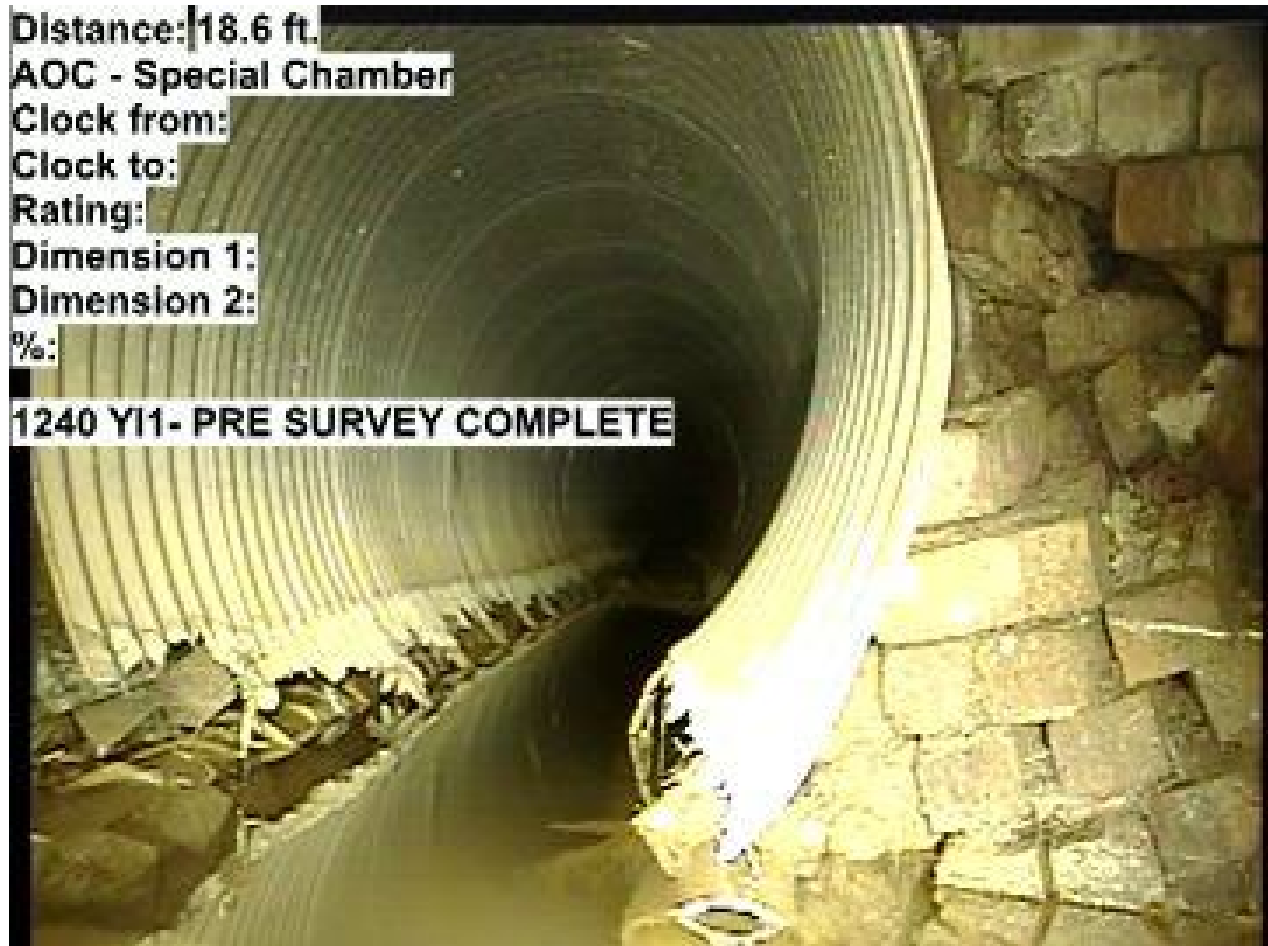
This project is the final phase of storm repairs to the City-maintained portion of the drainage system collecting runoff from multiple developments off Roberts Drive and Chamblee Dunwoody Road. The pipe system is composed of +/- 530 linear feet of 48 and 36-inch corrugated metal pipe that is approximately 46 years old and in poor condition. Closed-Caption Television (CCTV) footage discovered pipe corrosion with visible holes, and manhole failures. Recommended repairs include:

- Repair 530 LF of Corrugated Metal Pipe (CMP) with Cured In Place Pipe (CIPP) liner.
- 20 cubic yards of pressure grouting for invert repairs
- Removal of (5) trees
- Replace two deformed brick inlets with precast concrete pedestal top manholes
- (7) days minor traffic control

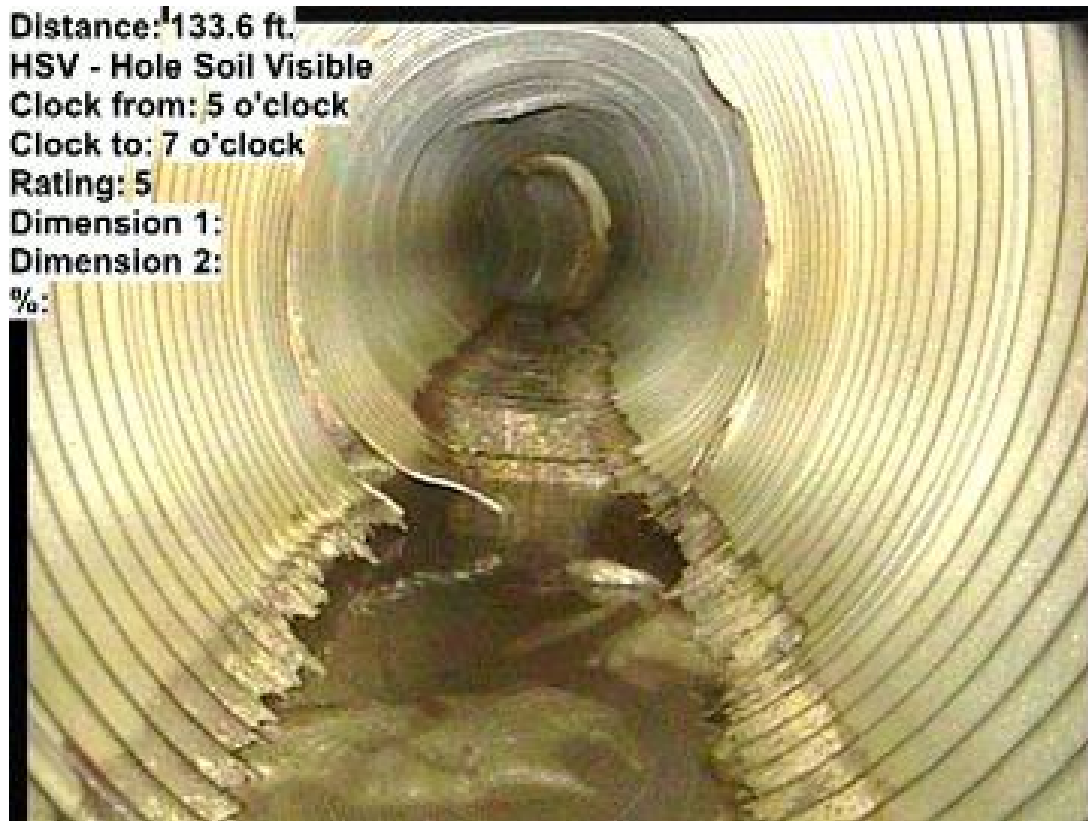
If approved by Council, this project will be funded from the American Rescue Plan Act (ARPA) budget allocated for stormwater improvement projects.

Recommendation

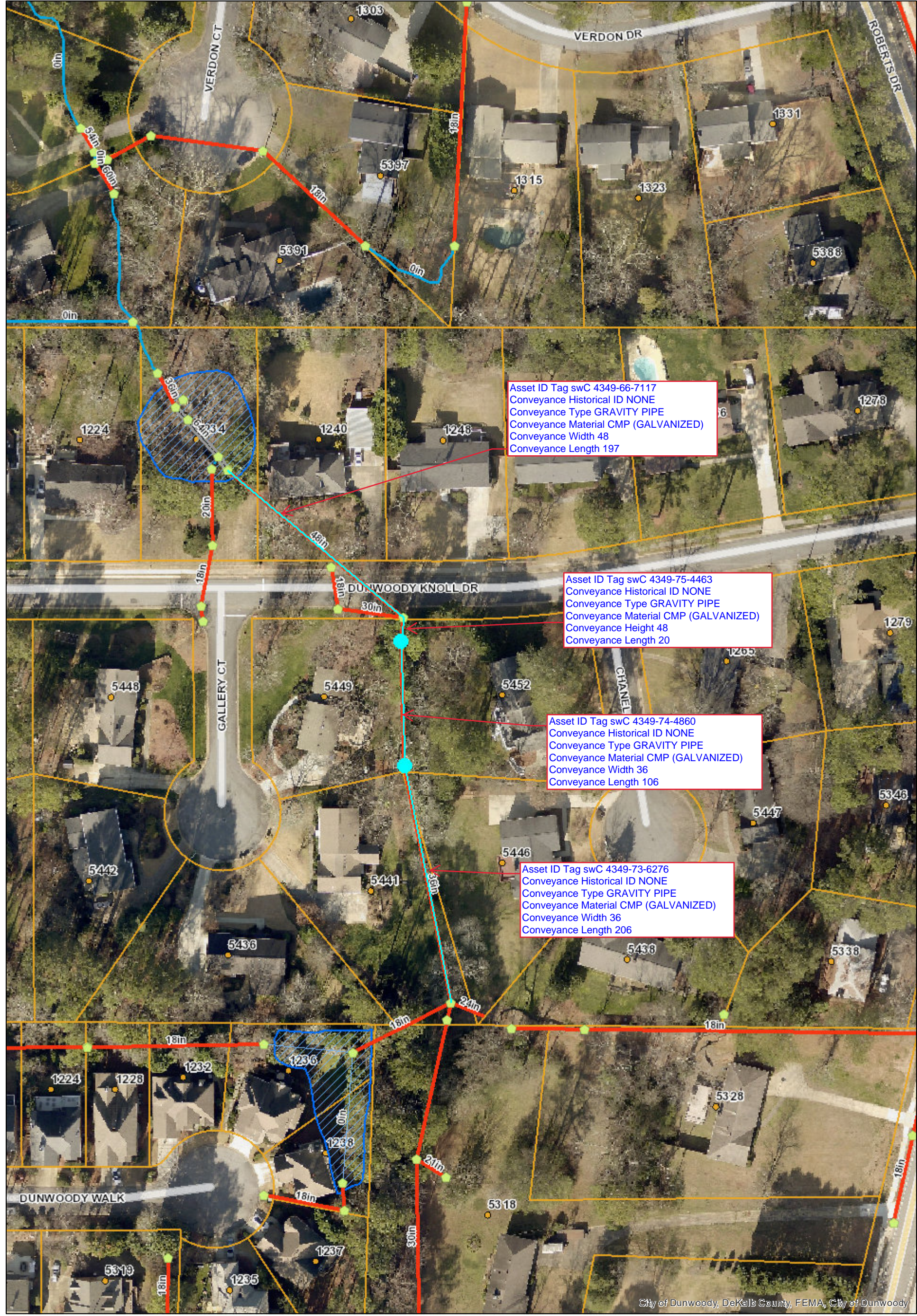
Staff recommends approving \$357,164.50 in funding for Stormwater Pipe Repairs at 1240 Dunwoody Knoll Drive.



Severe Corrosion with Large Voids and deformed brick manhole

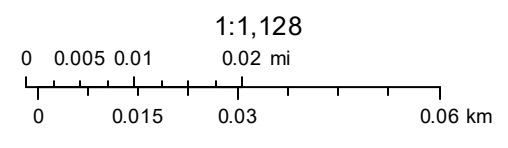


Severe Corrosion with Large Voids



City of Dunwoody, DeKalb County, FEMA, City of Dunwoody

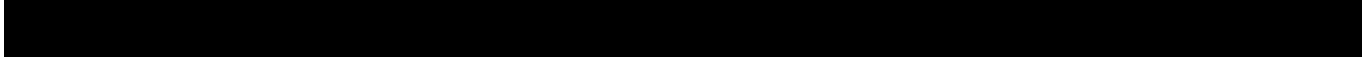
The City of Dunwoody does not warrant the accuracy or currency of the map provided and does not guarantee the suitability of the map for any purpose, expressed or implied.



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

SOUTHERN PREMIER CONTRACTORS, INC. 2022

PROJECT LOCATION:	1240 Dunwoody Knoll Drive
PREPARED BY:	M. Massey
DATE INVOICE PREPARED:	11/18/2022
TOTAL INVOICE	\$ 324,695.00
10%	\$ 32,469.50
	\$ 357,164.50



Scope of Work:
tbd prior to lining

Item#	Item	Quantity	Unit	Unit Price	Total Cost
1ND	Mobilization	1	EA	\$ 2,000.00	\$ 2,000.00
2ND	Out of Scope Work, Foreman	40	HR	\$ 95.00	\$ 3,800.00
3ND	Out of Scope Work, Laborer	80	HR	\$ 80.00	\$ 6,400.00
5ND	Traffic Control Minor 2 – Includes Cones and Signage	7	Per Day	\$ 1,800.00	\$ 12,600.00
9ND	Hydro-Excavation complete (onsite hours only)	3	Per Hour	\$ 375.00	\$ 1,125.00
44ND	12" to 36" PIPE	200	LF	\$ 50.00	\$ 10,000.00
133ND	30" Diameter	10	LF	\$ 500.00	\$ 5,000.00
134ND	36" Diameter	10	LF	\$ 475.00	\$ 4,750.00
136ND	48" Diameter	10	LF	\$ 400.00	\$ 4,000.00
194ND	4' Dia. Pedestal Top with Inlet Frame and Grate	1	EA	\$ 1,600.00	\$ 1,600.00
197ND	4' Dia. Pedestal Top with MH Ring & Cover	1	EA	\$ 1,100.00	\$ 1,100.00
206ND	5'x5' Precast Top w/ MH Ring and Cover	1	EA	\$ 1,200.00	\$ 1,200.00
210ND	Invert Installation, 5' Diameter	2	EA	\$ 475.00	\$ 950.00
211ND	Invert Installation, 6' Diameter	2	EA	\$ 500.00	\$ 1,000.00
212ND	Invert Installation, other configurations	48	SF	\$ 75.00	\$ 3,600.00
213ND	Uncover Buried Junction Box (<4')	1	EA	\$ 650.00	\$ 650.00
	Pressure Grouting (Pumping included if needed)	20	CY	\$ 1,800.00	\$ 36,000.00
226ND	30" Grout Each End to Structure	4	EA	\$ 240.00	\$ 960.00
227ND	36" Grout Each End to Structure	2	EA	\$ 275.00	\$ 550.00
229ND	48" Grout Each End to Structure	2	EA	\$ 325.00	\$ 650.00
234ND	Grout all joint, cracks & holes, in structures, complete (structures 8' deep or less)	4	EA	\$ 800.00	\$ 3,200.00
241ND	30" PIPE - 13.5mm (.532")	138	LF	\$ 225.00	\$ 31,050.00
242ND	36" PIPE - 16.5mm (.650")	140	LF	\$ 275.00	\$ 38,500.00
244ND	48" PIPE - 22.5mm (.886")	191	LF	\$ 450.00	\$ 85,950.00

258ND	Additional Cost Per 1.5mm (.0591") Thickness - 30" PIPE	138	LF	\$ 35.00	\$ 4,830.00
259ND	Additional Cost Per 1.5mm (.0591") Thickness - 36" PIPE	140	LF	\$ 35.00	\$ 4,900.00
261ND	Additional Cost Per 1.5mm (.0591") Thickness - 48" PIPE	191	LF	\$ 35.00	\$ 6,685.00
270ND	Inversion Setup Charge 15"- 36" CIPP	2	EACH	\$ 2,500.00	\$ 5,000.00
271ND	Inversion Setup Charge 42"- 60" CIPP	1	EACH	\$ 6,000.00	\$ 6,000.00
362ND	Tree Removal 6"-12"	1	EA	\$ 1,000.00	\$ 1,000.00
363ND	Tree Removal 13"-23"	4	EA	\$ 1,800.00	\$ 7,200.00
365ND	Clear & Grubbing	50	SY	\$ 15.00	\$ 750.00
370ND	Finish Grading	114	SY	\$ 10.00	\$ 1,140.00
382ND	Install & Remove Orange Tree Save Fence	100	LF	\$ 10.00	\$ 1,000.00
388ND	Sodding Complete-Fescue	114	SY	\$ 15.00	\$ 1,710.00
393ND	Pine Straw	25	EA	\$ 9.00	\$ 225.00
406ND	Connect to Existing Structures	1	EA	\$ 1,950.00	\$ 1,950.00
407ND	Debris Removal, Tandem Dump Truck	3	Per Load	\$ 850.00	\$ 2,550.00
409ND	Removal of Existing Drainage Structure	3	EA	\$ 2,250.00	\$ 6,750.00
410ND	Remove Existing Pipe all Types and Sizes	50	LF	\$ 85.00	\$ 4,250.00
412ND	Stone #57	8	TON	\$ 90.00	\$ 720.00
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
434ND	Adjust Manhole Cover in soil (complete, includes removal or modification of old s	4	EA	\$ 1,750.00	\$ 7,000.00