

SPWST

# Special Election March 21, 2023



Visit:

http://fayettecountyga.gov/SPLOST-2023/
for more information.

# **SPLOST 2023**



Justice Center Renovation - Public Safety - Parks, Recreation and Human Services - Stormwater Infrastructure - Transportation













This Project Manual was last updated on May 9, 2022. On this date, the material enclosed within the Project Manual contains 2023 SPLOST information for Fayette County, Peachtree City, Fayetteville, Tyrone, and Brooks.

Fayette County project information is also listed on the County's website. As projects are updated, the Project Manual and website will be updated.

The information within the Project Manual covering Peachtree City, Fayetteville, Tyrone and Brooks was obtained from the governing municipality. The SPLOST information is contained herein for the benefit of public knowledge, and the data is updated to the County's best knowledge. As updates are released, Fayette County will strive to keep the information updated. For more information, please contact the specific municipality.

#### **City of Peachtree City**

151 Willowbend Road

Peachtree City, Georgia 30269

Phone: 770-487-7657

Contact: Email:

Website: http://www.peachtree-

city.org/

#### **Town of Tyrone**

881 Senoia Road

Tyrone, Georgia 30290

Phone: 770-487-4038

Contract:

Email:

Website: <a href="http://tyrone.org/">http://tyrone.org/</a>

#### **City of Fayetteville**

240 S. Glynn Street

Fayetteville, Georgia 30214

Phone: 770-461-6029

Contact: Email:

Website: http://fayetteville-ga.gov/

#### **Town of Brooks**

961 Highway 85 Connector

Brooks, Georgia 30205

Phone: 770-719-7666

Contract:

Email:

Website: http://www.brooksga.com/





# **2023 SPLOST Information**

# **SPLOST 2023**

Justice Center Renovation - Public Safety - Parks, Recreation and Human Services – Stormwater Infrastructure - Transportation

## www.fayettecountyga.gov/SPLOST-2023.htm

Fayette County's Board of Commissioners approved a referendum for a one-cent special purpose local option sales tax (SPLOST) that will fund the Justice Center Renovation, Public Safety, Parks, Recreation, and Human Services, Stormwater Infrastructure, and Transportation projects. If approved by the voters on March 21, 2023, the tax will be collected from July 1, 2023 to June 30, 2029.







# This is an official publication of the Fayette County Board of Commissioners.

Lee Hearn, Chairman – District 2

Edward Gibbons, Vice Chairman – District 3

Eric Maxwell, Commissioner – District 1

Charles Oddo, Commissioner – District 5 (At-Large)

Charles Rousseau, Commissioner – District 4

Steven Rapson, County Administrator

#### Investing in our Quality of Life

- Justice Center Renovation
- Public Safety
- Parks, Recreation, and Human
   Services
- Stormwater
   Infrastructure
- Transportation

#### 2017 SPLOST Stats\*

**Completed Projects:** 

- 47 Stormwater
  - 7 Transportation
  - 3 Fire & EMS

#### In Design/Construction

- 20 Stormwater
- 7 Transportation
- 1 Public Safety
- \*As of 4/22/2022

# 2023 SPLOST Distribution

Fayette County	\$94,728,900
Peachtree City	\$67,380,600
Fayetteville	\$33,398,400
Tyrone	\$13,492,500
Brooks	\$999,600

# 2023 FAYETTE COUNTY SPLOST INTRODUCTION

Fayette County voters will decide whether to approve a 1% (or 1¢) Special Purpose Local Option Sales Tax (SPLOST) during the March 21, 2023, Special Election.

The ballot will ask voters the following question (final language will be determined by the Fayette County Board of Commissioners):

Shall a special 1 percent sales and use tax be imposed in the special district of Fayette County for a period of time not to exceed six years and for the raising of an estimated amount of \$210,000,000 for the purpose of county and municipal capital projects?

()YES

() NO

The language that will appear on the ballot is specified by the State, but terms such as "Facilities", "Public Safety", "Parks, Recreation, and Human Services", "Stormwater Infrastructure", and "Transportation" projects represent a tremendous investment in many projects that impact those who live in Fayette County. This SPLOST project manual details the specific projects proposed by the Board of Commissioners so that the County's voters will know what the investment will yield.

#### **SPLOST Defined**

The acronym SPLOST stands for "Special Purpose Local Option Sales Tax" and is a specific tax rate for a specific period of time. Counties and cities can use SPLOST funds for specific capital projects.

If the 2023 SPLOST is approved by voters, the sales tax in Fayette County will remain at 7¢ given that the existing SPLOST will end in 2023.

In Georgia, the State receives 4¢ of the sales taxes collected in every county. A 1¢ Local Option Sales Tax (LOST) is shared among a County and any of its municipalities based on an agreed-upon formula. LOST funds can be used by local governments as part of their General Fund operating expenses. Fayette County also has a 1¢, voter-approved E-SPLOST, which is invested solely for use by the Board of Education and a voter-approved

SPLOST which will end in 2023. This comprises Fayette County's current 7¢ Local Option Sales Tax.

Of the counties immediately surrounding Fayette County, Clayton and DeKalb Counties collect an 8¢ sales tax whereas Coweta, Spalding, Henry, and Pike Counties all collect 7¢. This is important because the extra penny of sales taxes fund only projects in the counties in which they are collected, no matter where the buyer paying the tax lives.

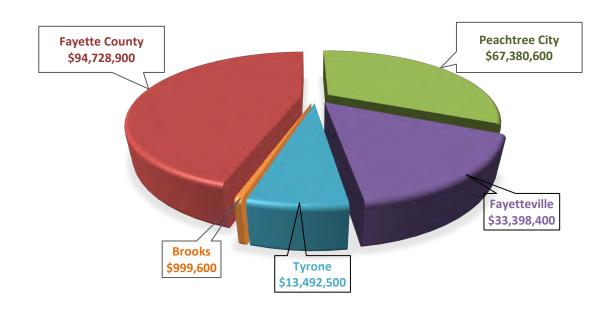
If approved by the voters, the 2023 SPLOST will be invested in capital projects throughout the County in the areas of facilities, public safety, parks, recreation, and human services, stormwater infrastructure, and transportation projects. The projects will be defined in an intergovernmental agreement that includes the specific list of projects for each municipality and the County.

#### **SPLOST Distribution**

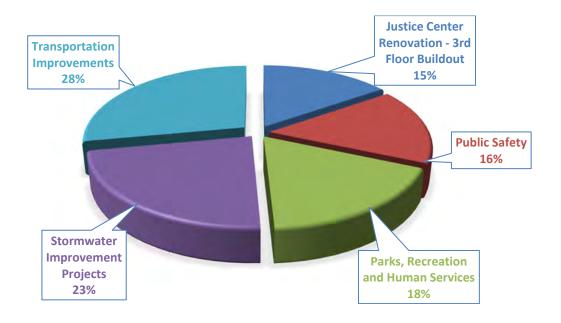
Fayette County and the municipalities of Brooks, Fayetteville, Peachtree City, and Tyrone will share the SPLOST proceeds based on population. Each jurisdiction has identified its own list of projects to be built with the funds raised. An intergovernmental agreement allocated the estimated revenues from a 6-year SPLOST as follows:

**2023 SPLOST Distribution** 

Fayette County	\$94,728,900
Peachtree City	\$67,380,600
Fayetteville	\$33,398,400
Tyrone	\$13,492,500
Brooks	\$999,600
Total	\$210,000,000



Fayette County has compiled a list of projects that represent a significant investment in the facilities and infrastructure that contribute to the County's quality of life. Foremost on the list of projects are Public Safety enhancements, such as the Justice Center Renovation, Sheriff training facility and fire service emergency equipment. Next are Human Service enhancements such as a Parks and Recreation multi-purpose facility and Senior Services enhancements. The remaining capital improvements projects are for transportation and have been requested by the community for intersection and roadway improvements, along with funding of critical stormwater infrastructure projects.



Without a SPLOST, funding these capital projects would require a significant property tax increase, significant cuts in other programs, or multiple simultaneous modifications. The SPLOST allows Fayette County voters to choose whether to make this level of investment in the community, and comes from every shopping and dining in Fayette County, instead of being imposed only on those who own property and pay property taxes here. While property taxes are certainly an option for funding many of these projects, a significant property tax increase would result in Fayette County residents being the sole contributors to the capital projects, when the capital projects in Fayette County are being used daily by residents of other counties.

#### **FAYETTE COUNTY PROJECT SUMMARY**

#### Where Quality is a Lifestyle

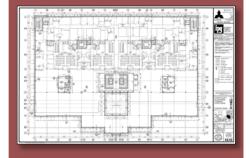
This document outlines Fayette County's 2023 Special Purpose Local Option Sales Tax Projects. A brief description of the projects and anticipated funding requirements are outlined to address the needs of the County in many different departments. If approved, the SPLOST would be in effect for a six (6) year period from June 1, 2023, through June 30, 2029.

#### **BUDGET SUMMARY**

Projects	Cost Estimate
Justice Center Renovation - 3rd Floor Buildout	\$14,500,000
Justice Center Renovation - 3rd Floor Buildout	\$14,500,000
Public Safety	\$15,350,000
Fire/EMS Training Center Buildout	\$2,000,000
Quint Replacement - 2 units	\$3,250,000
Rescue Vehicle Replacement	\$1,900,000
Self-Contained Breathing Apparatus Replacement	\$2,000,000
Ambulance Replacement - 3	\$900,000
Backup 911 center and EOC at South Fayette Treatment Plant	\$1,500,000
Watch Office Reconfiguration with System-wide camera upgrades	\$1,300,000
Sheriff Tactical Driving Course & Mock Village	\$2,500,000
Parks, Recreation and Human Services	\$16,750,000
Recreational Multiuse Facility	\$14,000,000
Senior Services Enhancements - Transport Vehicles, Café & Meals on Wheels	\$1,250,000
Starr's Mill Education Facility	\$1,000,000
Walking Trails and Livestock Building	\$500,000
Stormwater Improvement Projects	\$21,628,900
Category I- Flooding and Safety	\$3,638,000
Category II - Stormwater Infrastructure Preservation	\$17,990,900
Transportation Improvements	\$26,500,000
Infrastructure Preservation and Improvements	\$5,700,000
Corridor Improvements/New Road Construction/Capacity Projects	\$4,000,000
Intersection Improvements	\$11,400,000
Pedestrian, Bicycle, and Multi-Use Path Projects	\$4,400,000
Planning Studies / Concept Reports	\$1,000,000
Grand Total	\$94,728,900



# Project Cost Estimate: \$14,500,000



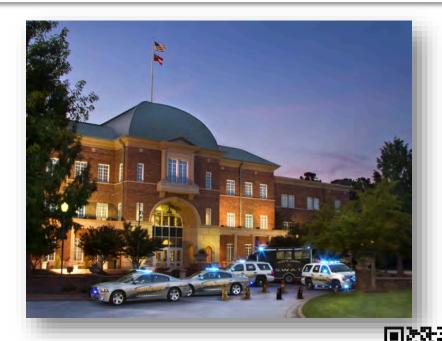


# 2023 SPLOST Justice Center Renovation 1 Center Drive

The Fayette County Justice center was constructed in 2003 and serves as the home for Superior Court, State Court, Probate Court, Juvenile Court, Magistrate Court, the Clerk of Courts, security, and other related services. Since then, case work among and population growth in all the courts has increased to the point where updating the first and second floors and a build-out of the third floor is needed. A Court House Task Force was created in 2022 to start the planning and design process.

The build out will include:

- Public Defender Auxiliary Office.
- Probation Assignment & Accountability.
- Mediation Suites. (Required by some courts)
- Attorney/Client meeting rooms.
- 1 Oversized Courtroom for high profile cases.



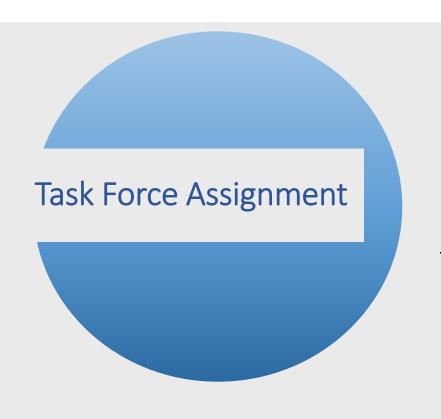
	Project Code:		(for Finance	use only)				
	All fields must be comple	ted for submission. Incomplete	forms will be	rejected				
4	All fields must be completed for submission. Incomplete forms will be rejected.							
1.	Project Name:  Justice Center Final Build	dout						
	Justice Center i Iriai Duli							
2.	Department:	Justice Center						
	Department Contact(s):	David Jeager - Consultant						
		Superior Court Chief Judge Flo	etcher					
3.	Is this a construction pro	ject? Yes/No	Yes	If yes, is a permit required?	Yes			
3a.	If this is a continuation or	add-on to an existing project, p	rovide the fu	II account number (include existin	ng project number):			
4.	Total Requested Project F	Funds by Fiscal Year (\$):		Other Funding Sources:	Other Funding Source Type:			
т.	FY23	2,250,000	FY23	Ctiler I dilding Courses.	Cities I unuming course Type.			
	FY24	2,500,000	FY24					
	FY25	3,500,000	FY25					
	FY26	3,000,000	FY26					
	FY27	3,250,000	FY27					
		0,200,000	[					
5.	Estimated Total Cost (\$):	14,500,000	6.	Estimated Useful Life:	45			
7.	Detailed Project Descripti	on/Cost Breakdown:						
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	Include as much in	formation as possible. If necess		dditional sheets. <u>Requests with in</u>				
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Justice Center Renovation - 3rd Floor Buildout						
Item / Work Description	SF	Cost/SF	Total Cost			
Justice Center Renovation - 3rd Floor Buildout						
3rd Floor Renovation	47,000	\$220.00	\$10,340,000			
1st & 2nd Floor Renovation Allowance	15,000	\$115.00	\$1,725,000			
Site Upgrades - Parking Lot		Allowance	\$250,000			
Voice and Data Cabling		Allowance	\$200,000			
Update Cellular and WIFI systems		Allowance	\$100,000			
Security System Equipment Upgrade		Allowance	\$250,000			
Furniture, Fixtures & Equipment		Allowance	\$750,000			
Sul	ototal		\$13,615,000			
Architectural & Construction Design	6.5%		\$887,950			
Construction Testing & Inspection	1.8%		\$250,000			
Project Management Fee - Fixed \$150,000						
Concept & Pre-Design Phase (20%)		Allowance	\$54,460			
Design Phase (40%)		Allowance	\$108,920			
Construction Phase (40%)		Allowance	\$108,920			
Sul	ototal		\$272,300			
Contingency	4.5%	Allowance	\$612,700			
Т	OTAL		\$14,500,000			

# Justice Center Task Force – Update

Justice Center Build-Out Project

Fayette County Board of Commissioners
May 13, 2022



## **Evaluation of Justice Center Complex**

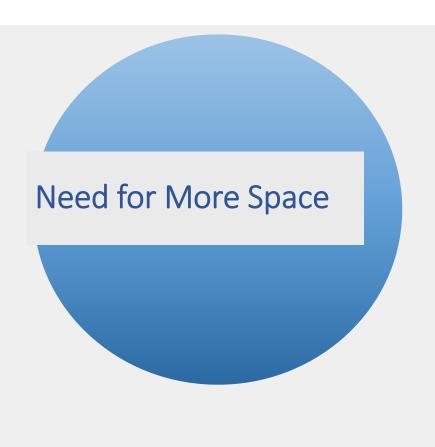
Assessment of Current Facilities.

Review of Current Deficiencies.

Projection of Future Growth.

Buildout Concept for vacant 3<sup>rd</sup> Floor.

Repurposing of vacated spaces.



1997: Superior Court State Court

2 Courtrooms 1 Courtroom

4 Judges 1 Judge

2022: Superior Court State Court Probate Court

3 Courtrooms

5 Judges

1 Visiting Judge

1 Courtroom 1 Hearing Room

1 Judge 2 Judges

**Jury Trials** 

2025: Superior Court State Court Probate Court

5 Courtrooms

6 Judges

1 Visiting Judge

2 Courtrooms 1 Hearing Room

2 Judges 2 Judge

**Jury Trials** 



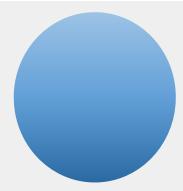
Growth of Griffin Circuit Court caseload = 6<sup>th</sup> Superior Court Judge & Staff. Staffing for D.A. Office.

Fayette County Population Growth = 2<sup>nd</sup> State Court Judge & Staff. Staffing for Solicitor General.

Fayette County Population Growth = Probate Court Jury Trials.

Fayette County Population Growth = 2<sup>nd</sup> Magistrate Courtroom.

Jury Trial Backlog – Jury trials suspended during COVID pandemic.



## **Additional Needs:**

Public Defender Auxiliary Office.

Probation Assignment & Accountability.

Mediation Suites. Required by some courts.

Attorney/Client meeting rooms.

1 Oversized Courtroom for high profile cases.



#### **Departments:**

Superior Court
State Court
Magistrate Court
Juvenile Court
Clerk of Court

District Attorney
Solicitor General
Probate Court
Court Services (Sheriff)
Building Engineer

**Public Defender** 

**Local Bar Association** 

#### **Project Manager:**

David Jaeger, PE Mallett Consulting, Inc.

## **Task Force Meetings:**

Chaired by Superior Court Judge Fletcher Sams.

Roundtable discussion of needs by Department

Needs for Justice Center Complex.

### **Questionnaire – Scope Determination:**

Developed by Project Manager (PM)

Comprehensive evaluation by each Department for current and projected future needs.

## **Departmental Interviews with PM**

In person review of existing spaces and discussion of questionnaire responses.

## **Development of Conceptual Floor Plans by PM**

3<sup>rd</sup> Floor - Superior Court & D.A.

2<sup>nd</sup> Floor - State & Juvenile Courts

Jury Assembly, Grand Jury, Solicitor Gen.

1<sup>st</sup> Floor - Magistrate & Probate Courts
Clerk of Court, Court Services.



# Vacant 3<sup>rd</sup> Floor:

47,000 SF of available space.

Constructed with elevator and stairwell access in place.

Planned to accommodate courtrooms and support offices.

Planned to utilize temporary exterior construction elevator.

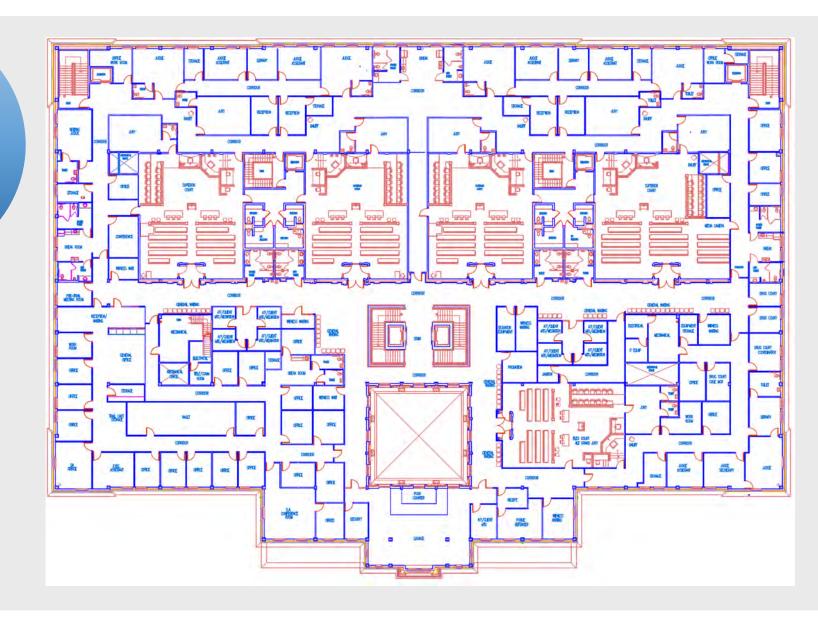


# 3<sup>rd</sup> Floor

# **Superior Courts**

- 3 Std Courtrooms
- 1 Large Courtroom
- 1 Flex Courtroom Judges Chambers (6) Mediation Suites

District Attorney Public Defender



# Concept Floor Plans

# 2nd Floor

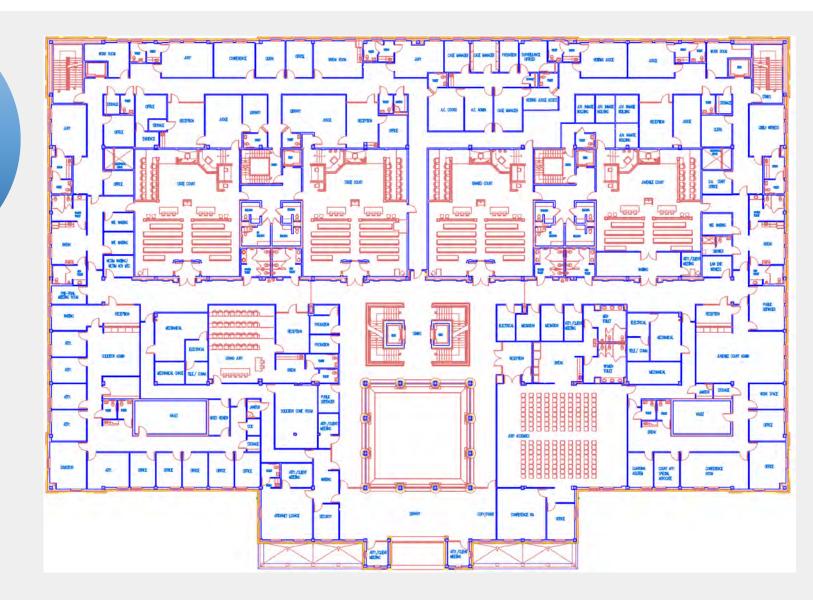
### **State Court**

2 Std Courtrooms 1 Flex Courtroom Judges Chambers (3) Accountability Court Probation Offices Attorney-Client Mtg

# Solicitor General Juvenile Court

1Courtroom (Modified)
Juvenile Holding
Judges Chambers (2)

Jury Assembly Grand Jury



# Concept Floor Plans

# 1st Floor

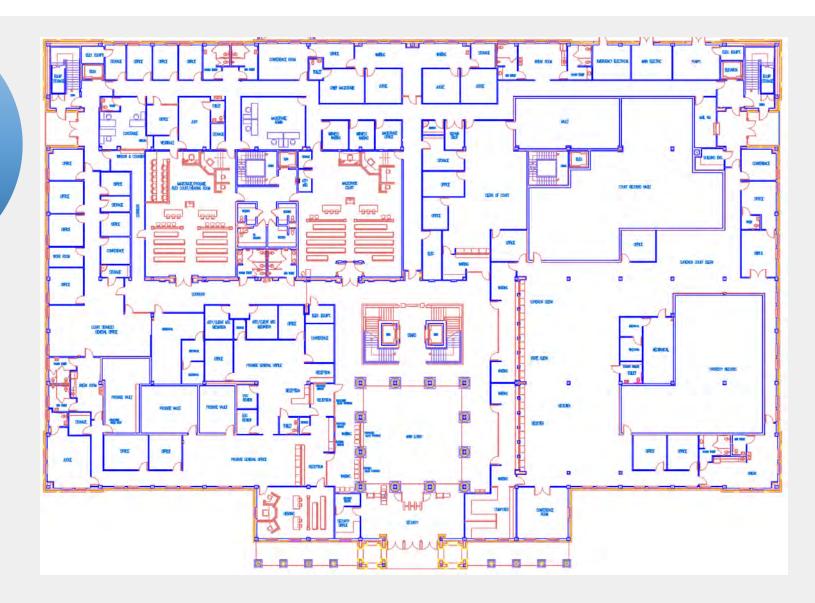
## Magistrate Court

1 Std Courtroom 1 Flex Courtroom Judges Chambers (4) Mediation Suite Constables Office

### **Probate Court**

Existing Hearing Room Use of Flex Courtroom Expanded Receiption Expanded Vault Space

Clerk of Court Court Services





# Needs Assessment Report

- •Finalize Concept Floor Plans.
- •Support Data for future growth.
- •Site/Parking evaluation.

## Concept Phase Approval by BOC.

## Design Phase

- •Selection of Architect of Record.
- Prepare Construction Plans and Specifications.
- Construction Bid Documents.

## Construction Phase

- Selection of General Contractor.
- Construction
- Inspections and Testing.

# Thank you for your consideration.

Any Questions?





# 2023 SPLOST Public Safety Fire/EMS

The training center (located adjacent to the Sheriff countywide public safety training facility), buildout will allow the increase in functionality and efficiency of the facility. To increase the impact of the training, it will be further moved to regional course delivery which will allow the county to train with its' mutual and automatic aid partners and expand course delivery as well as methodology. To achieve this, the department is proposing an outdoor training pavilion located on the edge of the pad where the burn building is located. This will allow environmental protection as well as opportunities for skill practice in inclement weather and evolution recap/regroup upon exiting the building during live fire exercises. Additionally, a small restroom facility with septic tank and fill extension to allow participants to use the facilities without moving to the main classroom structure.

Fayette County currently has two Quint Apparatus. These trucks are the heaviest and most complex units in the fire fleet. Split north and south, one of these units will respond to each residential and commercial structure fire, each accident with entrapment, and high angle rescue situation, which greatly increases their utilization outside of their designated territory. Both units have served their requisite 15-year front line duty and will be replaced with new units with a 105' or better ladder capability.

Fayette County has 1 heavy rescue unit. This is one of the few vehicle types for which there is no reserve apparatus necessitating a high need for reliability. The unit carries extrication equipment, specialty access tools, hazardous material mitigation supplies, portable scene lighting and serves as the SCBA Refill station on an emergency scene. The unit was slated for a 15-year front-line use and will be replaced with a more capable apparatus that can utilize current technology. This apparatus responds to each vehicle/industrial accident with entrapment, each gas leak / CO Alarm, all residential and commercial fires as well as brush fires necessitating a second alarm.

Current SCBA's will reach their suggested end-of-life at the end of calendar year 2026. SCBA's are self-contained breathing apparatus used by fire personnel to enter areas that are noted as Immediately Dangerous to Life and Health. These areas are spaces with atmospheric concentrations of toxic, corrosive, or asphyxiant substances, ie Structure Fires, vehicle fires, gas leaks, confined space rescues, etc. The department maintains 100 SCBA packs, 200 air cylinders, 200 regulators, 200 face pieces, and 5 Rapid Intervention Kits.

The project also includes the replacement of 3 Ambulance which have reached the end of their useful service.



	Project Code:		(for Finance	e use only)		
	All fields must be complete	ted for submission. Incomplete	forms will be	rejected.		
1.	Project Name:					
	Fire/EMS Training Facilit	y Phase II				
2.	Department:	FIRE OPERATIONS				
	Department Contact(s):	Jeff Hill - X5165				
		Mike Pollard - X5492				
3.	Is this a construction proj	ect? Yes/No	Yes	If yes, is a permit required?		
3a.	If this is a continuation or	add-on to an existing project in	rovide the fu	Il account number (include existin	ng project number):	
ou.		30550-541210-21AR5	TOVIGE LITE TO	III addouint mamber (morade existin	ig project number).	
				l " -		
4.	Total Requested Project F FY23	unds by Fiscal Year (\$):	EV22	Other Funding Sources:	Other Funding Source Type:	
	FY24	1,250,000	FY23 FY24			
	FY25	1,230,000	FY25			
	FY26		FY26			
	FY27		FY27			
5.	Estimated Total Cost (\$):	2,000,000	6.	Estimated Useful Life:	40	
7	Datailed Brainet Decerinti	on/Coot Brookdown				
7.	Detailed Project Description		sarv attach a	dditional sheets. Requests with in	nsufficient detail will be returned	
_	service delivery allowing the county to train with its' mutual and automatic aid partners and expand course delivery and methodology. The Fire/EMS Department desires to expand course offerings through its partnerships with Fayette County Board of Education and Southern Crescent Technical College. To support this program, two additional certified Fire/EMS Instructor Officers will be implemented once fully operational.  The proposal includes an outdoor training pavilion located on the edge of the pad where the burn building and tower are located. This will allow environmental protection as well as opportunities for skill practice in inclement weather and evolution recap/regroup upon exiting the building during live fire evolutions. Restroom facility with septic tank and field extension will allow participants to use the facilities without moving to the main classroom structure to complement our cancer prevention initiative by limiting classroom building exposures to toxic fire/smoke byproducts. A Class-A materials storage structure will be built in close proximity to the burn building to allow materials to remain out of the weather to reduce rot and decay which marks them as unusable materials for burning. A Burn/Tower Control Facility will be built with upgraded technology to operate and view the interior of the burn cell during live fire training to eliminate safety issues with students and allow for stop/start functionality of the smoke generation, rapid ventilation of the structure, and closed-circuit monitoring. The training facility would be connected to the nearest access point for fiber cable networking which will allow expansion of course distribution into streamed video, allowing students to attend remotely thereby allowing training opportunities to be delivered by Fayette County as well as our learning partners in the current high call activity environment. Additional training tower accessories allows for increased functionality with movable walls, confined space training, etc.  Separate Detail Sheet A					
8.	Start Date (estimate):	07/01/23	8a.	Completion Date (estimate):	06/30/24	
9.	Project Cost - Budget Line Account D 541110 - Land 541111 - ROW 541210 - Other Improvement 541320 - Building and Structure	escription		\$ Amount		
		Total Project Cost		\$ -		
10.		ict on Operating Budget  Il Fees/Cost to any M&O Account)  Annual Amount (\$)				
	Personnel Costs	Tanadi Tanoditi (ψ)	187,284			
	Maintenance/Repairs					
	Capital Outlay					
	Utilities					

187,284

Total

\$

Fire/EMS Training Facility Phase II - Cost Breakdown					
Item / Work Description	SF	Cost/SF	<b>Total Cost</b>		
Multipurpose Facility					
Outdoor Training Pavilion	1,800	\$300	\$540,000		
Outroot Class-A Materials Storage	1,800	\$300	\$540,000		
Burn/Tower Control Facility	500	\$300	\$150,000		
Training Restroom Facility	500	\$300	\$150,000		
Subtotal			\$1,380,000		
Other:					
Design Phase	3.6%		\$50,000		
Concept & Pre-Deisgn	4.0%		\$55,000		
Architectural & Construction Design	7.0%		\$97,000		
Construction Testing & Inspection	4.0%		\$55,000		
Furniture, Fixtures & Equipment		Allowance	\$85,000		
Information Technology		Allowance	\$100,000		
Training Tower Accessories		Allowance	\$100,000		
Subtotal			\$542,000		
Contingency	5.7%	Allowance	\$78,000		
TOTAL			\$2,000,000		

	Project Code:		(for Financ	e use only)		
	All fields must be complete	ted for submission. Incomplete f	forms will b	e reiected.		
1.	Project Name:	<u> </u>				
••	Quint Replacements - 2 l	Jnits				
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2.	Department:	FIRE OPERATIONS				
	Department Contact(s):	Chief Jeff Hill 5165				
		Chief Mike Pollard 5492				
		Chief Mike Foliatu 5492				
3.	Is this a construction proj	iect? Yes/No	No	If yes, is a permit required?	No	
		•	<u> </u>			
3a.	If this is a continuation or	add-on to an existing project, p	rovide the f	ull account number (include existi	ing project number):	
4.	Total Requested Project F	unds by Fiscal Year (\$):		Other Funding Sources:	Other Funding Source Type:	
	FY23	(4).	FY23		1	
	FY24	1,500,000	FY24			
	FY25		FY25			
	FY26	1,750,000	FY26			
	FY27		FY27			
5.	Estimated Total Cost (\$):	3,250,000	6.	Estimated Useful Life:	10	
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7.	Detailed Project Description			additional about a Democrate with i	in a settle land alada il svill ba madama al	
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				phoon with a 75' Aerial Ladder, F	6, VIN# 4EN6AAA8961001846. Quint	
					while carrying much of the equipment	
					trucks are the heaviest and most	
					outh, one of these units will respond to	
					ie situation, which greatly increases	
					ont line duty and will be replaced with	
	new units with a 105' or better ladder capability. These units will not be placed in reserve but will be traded or sold.					
	Separate Detail Sheet Atta	ached: Yes/No <u>Yes</u>				
8.	Start Date (estimate):	07/01/23	8a.	Completion Date (estimate):	06/30/26	
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	Account Do	escription		\$ Amount	1	
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	541210 - Other Improvemen	nte			f	
	541320 - Building and Struc				1	
	541520 - Ballaling and Otrac	luics				
		Total Project Cost		-	1	
				1 7	4	
10.	Impa	ct on Operating Budget		1		
	(Future Annua	al Fees/Cost to any M&O Account)				
	Budget Line Items	Annual Amount (\$)				
	Personnel Costs					
	Maintenance/Repairs					
	Capital Outlay			4		
	Utilities Other			-		
	Total	\$	_	1		
	1	<del>*</del>		Ī		

	Project Code:		(for Finance	e use only)		
	All fields must be complet	ed for submission. Incomplete	forms will be	rejected.		
1.	Project Name:					
••	Fire/EMS Heavy Rescue	Replacement				
_						
2.	Department:	FIRE OPERATIONS				
	Department Contact(s):	Chief Jeff Hill 5165				
		Chief Mike Pollard 5492				
3.	Is this a construction proj	ect? Yes/No	No	If yes, is a permit required?	No	
3a.	If this is a continuation or	add-on to an existing project,	provide the fu	Il account number (include existi	ng project number):	
4.	Total Requested Project F	unds by Fiscal Voar (\$):		Other Funding Sources:	Other Funding Source Type:	
4.	FY23	ulius by Fiscal Teal (\$).	FY23	Other Fullding Sources.	Other Funding Source Type.	
	FY24		FY24			
	FY25		FY25			
	FY26	1,900,000	FY26			
	FY27	1,900,000	FY27			
	1 127		1 ' '2'			
5.	Estimated Total Cost (\$):	1,900,000	6.	Estimated Useful Life:	10	
7.	Detailed Project Description	on/Cost Breakdown:				
• •			sarv. attach a	dditional sheets. <u>Requests with ir</u>	nsufficient detail will be returned.	
	Fayette County has one Heavy Rescue unit, a 2007 Freightliner FL70 with a custom apparatus body, VIN#1FVACYDJ17HY99870, Fleet ID# 23427. This is one of the few vehicle types for which there is no reserve apparatus necessitating a high need for reliability. The unit carries extrication equipment, specialty access tools, hazardous material mitigation supplies, portable scene lighting and serves as the SCBA Refill station on an emergency scene. The unit was slated for a 15-year front-line use and will be replaced with a more capable apparatus that can utilize current technology. This apparatus responds to each vehicle/industrial accident with entrapment, each gas					
	SCBA Refill station on an apparatus that can utilize	emergency scene. The unit we current technology. This apparent	azardous mat vas slated for aratus respon	terial mitigation supplies, portable a 15-year front-line use and will ds to each vehicle/industrial acc	e scene lighting and serves as the be replaced with a more capable dent with entrapment, each gas	
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9.	SCBA Refill station on an apparatus that can utilize leak/CO Alarm, all reside  Separate Detail Sheet Atta Start Date (estimate):  Project Cost - Budget Line Account De  541110 - Land  541111 - ROW  541210 - Other Improvement 541320 - Building and Struct  Impar (Future Annua)	remergency scene. The unit we current technology. This apparation and commercial fires as we ched:  Yes/No  Yes  07/01/25  Reltems (Object Code) Rescription  Total Project Cost  Ct on Operating Budget  I Fees/Cost to any M&O Account	azardous mai yas slated for aratus respon yell as brush  8a.	terial mitigation supplies, portable a 15-year front-line use and will do to each vehicle/industrial accifires necessitating a second alar Completion Date (estimate):  \$ Amount	e scene lighting and serves as the be replaced with a more capable ident with entrapment, each gas m.	
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9.	SCBA Refill station on an apparatus that can utilize leak/CO Alarm, all reside  Separate Detail Sheet Atta  Start Date (estimate):  Project Cost - Budget Line Account Detail 10 - Land  541110 - Land  541210 - Other Improvement 541320 - Building and Structure Annual Imparature Annual Budget Line Items  Personnel Costs  Maintenance/Repairs  Capital Outlay	remergency scene. The unit we current technology. This apparation and commercial fires as we ched:  Yes/No  Yes  07/01/25  Reltems (Object Code) Rescription  Total Project Cost  Ct on Operating Budget  I Fees/Cost to any M&O Account	azardous mat vas slated for aratus respon vell as brush  8a.	terial mitigation supplies, portable a 15-year front-line use and will do to each vehicle/industrial accifires necessitating a second alar Completion Date (estimate):  \$ Amount	e scene lighting and serves as the be replaced with a more capable ident with entrapment, each gas m.	

	Project Code:		(for Finance	e use only)	
	All fields must be complet	ted for submission. Incomplete	forms will be	e rejected.	
1.	Project Name:		,		
••		Breathing Apparatus (SCBA)	Replacemen	ıt	
_					
2.	Department:	FIRE OPERATIONS			
	Department Contact(s):	Chief Jeff Hill 5165			
		Chief Mike Pollard 5492			
3.	Is this a construction proj	ject? Yes/No	No	If yes, is a permit required?	No
3a.	If this is a continuation or	add-on to an existing project.	provide the fu	ıll account number (include existi	ng project number):
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	I	
4.	Total Requested Project F	unds by Fiscal Year (\$):	7	Other Funding Sources:	Other Funding Source Type:
	FY23		FY23		
	FY24		FY24		
	FY25		FY25		
	FY26		FY26		
	FY27	2,000,000	FY27		
5.	Estimated Total Cost (\$):	2,000,000	6.	Estimated Useful Life:	10
•	(,,	2,000,000			10
7.	Detailed Project Description	on/Cost Breakdown:			
7.	•		sary, attach a	idditional sheets. <u>Requests with ir</u>	nsufficient detail will be returned.
7.	Include as much in Self-Contained Breathing	formation as possible. If neces Apparatus (SCBA) have read	ched their sug	ggested end-of-life at the end of c	calendar year 2026. SCBA's are self-
7.	Include as much in Self-Contained Breathing contained breathing apparents	formation as possible. If neces g Apparatus (SCBA) have read aratus used by fire personnel to	ched their sug to enter areas	ggested end-of-life at the end of c that are noted as Immediately D	calendar year 2026. SCBA's are self- cangerous to Life and Health. These
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<b>7.</b> <b>8.</b>	Include as much in Self-Contained Breathing contained breathing appa areas are spaces with atr confined space rescues, Rapid Intervention Kits.	formation as possible. If neces Apparatus (SCBA) have read aratus used by fire personnel to mospheric concentrations of to etc. The fire department maintain	ched their sug to enter areas oxic, corrosive tains 100 SC	ggested end-of-life at the end of c s that are noted as Immediately D e, or asphyxiant substances, ie S	calendar year 2026. SCBA's are self- cangerous to Life and Health. These structure Fires, vehicle fires, gas leaks,
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### FY2023 CIP / CAPITAL - PROJECT REQUEST FORM

	Project Code:		(for Finance	e use only)		
	All fields must be complet	ed for submission. Incomplete	forms will be	e rejected.		
1.	Project Name:	·				
••	EMS Ambulance Replace	ement - 3 Units				
2.	Department:	Emergency Medical Services				
	Department Contact(s):	Chief Jeff Hill 5165				
	. , ,	Chief Steve Folden 5173				
3.	Is this a construction proj	ect? Yes/No	No	If yes, is a permit required?		
3a.	If this is a continuation or	add-on to an existing project, p	rovide the fu	ıll account number (include existi	ng project number):	
4	Total Daminatad Duniant E	······································		Other Franking Correspon	Other Francisco Course Transc	
4.	Total Requested Project F FY23	unds by Fiscal Year (\$):	FY23	Other Funding Sources:	Other Funding Source Type:	$\neg$
,	FY24		FY24			
	FY25	900.000	FY25			
	_	900,000	FY26			
	FY26		FY27			
	FY27		FYZI			
5.	Estimated Total Cost (\$):	900,000	6.	Estimated Useful Life:	10	
7.	Detailed Project Description	on/Coot Prockdown				
/٠	•		eary attach s	additional shoots Paguests with i	nsufficient detail will be returned.	
				en front line units are out of servi		
					taffing is available. These 2 units are	
					emergency purchase in the 2015-16	
					d economical repair. The 3500 chassi us accomodations in space allocation	
					nit is due by time for replacement and	
				tanding repair. Vehicle 3 is Medic		1
					c 1, Fleet # 13339, VIN # conse capable unit to be deployed in	
					ed cot and Powered Loading system	
				ount includes 1 additional cardia		
		d maintain State Licensure com		ount includes i additional cardiat	c monitor and the BES / AES	
	equipment to demove and	-	ipiidi100.			
	Separate Detail Sheet Atta	ched: Yes/No Yes				
8.	Start Date (estimate):	07/01/24	8a.	Completion Date (estimate):	10/31/25	
Ο.		0.70.72	ou.	,	10,01,120	
^	Burland Oracle Burland Harr	. Harris (OL fact Oc. 45)				
9.	Project Cost - Budget Line	` • •		• •		
	Account De	escription		\$ Amount	1	
	541110 - Land				-	
	541111 - ROW				-	
	541210 - Other Improvemen					
	541320 - Building and Struc	tures				
		Total Project Cost		-	J	
40	_			ī		
10.		ct on Operating Budget				
	·	I Fees/Cost to any M&O Account)		ļ		
	Budget Line Items	Annual Amount (\$)				
	Personnel Costs					
	Maintenance/Repairs					
	Capital Outlay					
	l Itilities			Ī		

Other

Total

\$

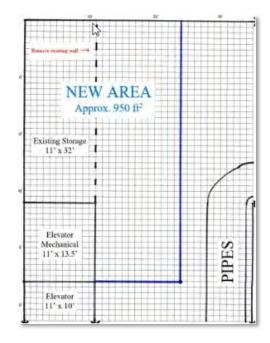




### **2023 SPLOST Public Safety**

Fayette County 911 is currently co-located with the Emergency Operations Center (EOC) on McDonough Rd. The primary backup location for 911 is the existing EOC. Should an event occur which impacted the entire building, neither entity has a designated location equipped to fully support their vital emergency functions. Evacuation of the building could occur for any number of hazards whether natural, manmade, or technological. Storm damage to the building and surrounding areas causing access problems for personnel, fire inside the structure, terrorism whether real or threatened, fiber lines being damaged, and cyber-attacks are all plausible scenarios requiring evacuation. Any of these would impact the efficient delivery of services to the citizens of Fayette County.

The proposed renovation is located at the Antioch Water Treatment Plant to provide a backup location for 911 operations and the Emergency Operations Center (EOC) which is geographically diverse from the main operations centers. The backup center will include consoles equipped to replicate all major functions available in the 911 center, supporting seamless 911 access and public safety dispatch. In addition, space would be available to house EOC operations should weather or a major incident damage the current location. Both entities work in tandem during events significantly impacting the county's support services. Having 911 and the EOC in close proximity allows for efficient processing of information when it is needed most.





Fayette County 911 is currently co-located with the Emergency Operations Center (EOC) on McDonough Road and this project would provide a primary backup 911 center location at the Antioch Water Treatment Plant equipped to fully support 911 emergency & EOC operations. The primary justification is to avoid downtime due to natural, man-made, or technological disasters. The new backup system will include consoles equipped to replicate all major functions available in the 911 center, supporting seamless 911 access and public safety dispatch and space to house EOC operations should weather or a major incident damage the current location. Currently, 911 calls are received via CAMA trunks (Centralized Automatic Message Accounting) which is analog technology, and this project updates this end-life technology with digital infrastructure CAMA trunks are being phased out, and in many areas are no longer supported. Georgia Emergency Communications Authority (GECA) is in the process of implementing a state-wide ESInet for all 911 centers and this upgrade would pave the way for Fayette County to easily move to ESInet technology.

Session Initiation Protocol (SIP) telephone lines are already being utilized elsewhere in Fayette County, and are voice over internet protocol (VoIP) lines which provide the ability to designate the automatic, multi-layer re-routing of lines before a service interruption takes place, shortening or even eliminating the potential of missed emergency calls.

Separate Detail Sheet Attached: Yes/No Yes

07/01/23 8a. Completion Date (estimate): 06/30/27 8. Start Date (estimate):

9. Project Cost - Budget Line Items (Object Code)

b

1.

2.

4.

5.

7.

**Project Name:** 

Department:

FY23

FY24

FY25

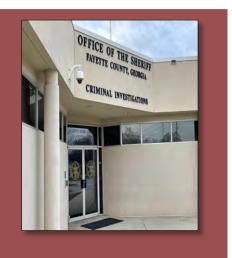
FY26

FY27

**Account Description** \$ Amount 541110 - Land 541111 - ROW 541210 - Other Improvements 541320 - Building and Structures 1,500,000 **Total Project Cost** \$ 1,500,000

10.	Impact on Operating Budget (Future Annual Fees/Cost to any M&O Account)						
	Budget Line Items	Annual Amount (\$)					
	Personnel Costs		-				
	Maintenance/Repairs		-				
	Capital Outlay		-				
	Utilities		191,518				
	Other		3,000				
	Total	\$	194,518				

Backup 911 Center and Emergency Operations Center (EOC)						
Item / Work Description		SF	Cost/SF	<b>Total Cost</b>		
Antioch Water Treatment Plant Renovation						
Fiber Extension			Allowance	\$725,000		
Renovation/Construction		1,000	\$200	\$200,000		
Liebert AC (Technology Enhancement)		,	Allowance	\$50,000		
Comcast CapEx			Allowance	\$20,000		
ATT CapEx			Allowance	\$15,000		
UPS CapEx			Allowance	\$15,000		
HVAC Upgrade			Allowance	\$15,000		
Mitel CapEx			Allowance	\$7,500		
	Subtotal			\$1,047,500		
Item / Work Description		Qty	Cost	Total Cost		
Antioch Water Treatment Plant Renovation Carbyne upgrade (One-time Cost)			Allowance	\$133,900		
Equipment:						
Radio server			Allowance	\$50,000		
EOC equipment			Allowance	\$40,000		
Radio consoles			Allowance	\$25,000		
Computers			Allowance	\$15,000		
Recorder			Allowance	\$12,000		
Network Upgrade			Allowance	\$10,000		
Cellular Upgrade			Allowance	\$7,500		
Furniture/fixtures			Allowance	\$7,500		
	Subtotal			\$300,900		
Contingency		11.2%		\$151,600		
	TOTAL			\$1,500,000		



Project Cost Estimates: Watch Office Upgrades \$1,300,000





# 2023 SPLOST Public Safety Watch Office Upgrades

Watch Office Reconfiguration and Upgrade is estimated to be \$325,815 for the Sheriff's Office. Currently, the Watch Officer must conduct all business with the citizens in the open front lobby while other citizens are coming in for other business. While in the lobby, the Watch Officer is then taken away from their primary duties of answering phones, watching cameras, and answering requests as necessary from deputies on the road. This reconfiguration will provide a more efficient use of space for assigned personnel and the privacy of the citizens seeking guidance. The proposal includes the reconstruction and reconfiguration of the entrances to the Sheriff's Office; construction of a private seating / interview area and counters and/or inquiry windows for both Watch Office and Sheriff's Office; construction of a private seating / interview area and counters and/or inquiry windows for both Watch Office and Records; and remodel of janitor's closet to public unisex bathroom.

The Sheriff's Office is requesting \$974,185 to upgrade and install a robust IP camera monitoring system throughout the Sheriff's Office and its facilities. This would include Buildings A & B which houses the Support Services Division, Criminal Investigations and Field Operations; the Jail facility; and the Justice Center which are spread across three separate buildings located on roughly the same plot. The current system is an analog system which is fifteen-twenty years old and outdated. The overall requested funding would be for the purchase of a new system which would allow sufficient observation of inmate and staff activity maintain the safety of the Sheriff's Office, Jail, Justice Center, as well as external infrastructure and vehicles. An additional twenty (20) 10MP and four (4) Flock cameras is requested in addition to the attached proposal for Sheriff's Office facilities and grounds. This updated system would also allow for a much longer recording capacity (180 days) which is what is currently required for other law enforcement video recordings. The new system has more capability for interaction with cameras positioning which is not available with the current system. The requested system would include Pan-Tilt-Zoom (PTZ) cameras which we would be able to control from Jail Central, the Watch Office and the Justice Center Security Office. We are also looking to have the system that is capable of remote viewing, saving, and recording.



### FY2022 CIP / CAPITAL - PROJECT REQUEST FORM

	Project Code:		(for Finance	e use only)				
	All fields must be complet	ted for submission. Incomplete	forms will be	rejected.				
1.	Project Name:							
	Watch Office Reconfigura	ation and Upgrade						
2.	Requester:	SHERIFF - UNIFORM PATRO	DL					
	Agency Contact(s):	Major Michelle Walker - ext. 4	753					
		Major Brian Eubanks - ext. 48						
3.	Is this a construction proj	ect? Yes/No	Yes	If yes, is a permit required?	Yes			
3a.	If this is a continuation or	add-on to an existing project, p	provide the fu	ıll account number (include existir	ng project number):			
		01 7 71		,	,			
4.	Total Requested Project F	unds by Fiscal Vear (\$).		Other Funding Sources:	Other Funding Source Type:			
٦.	FY22	325,815	FY22	other I unumg oources.	other running dource Type.			
	FY23	·	FY23					
	FY24		FY24					
	FY25		FY25					
	FY26		FY26					
_								
5.	Estimated Total Cost (\$):	325,815	6.	Estimated Useful Life:	40			
7.	Detailed Project Description	on/Cost Breakdown:						
	Include as much in	formation as possible. If necess	sary, attach a	dditional sheets. <u>Requests with in</u>	sufficient detail will be returned.			
	Office seeking answers a civilian Records personne help. The Watch Officer is business or to also meet answering phones, watch more efficient use of spaceconstruction and reconstruction and reconstruction.	and help with various issues. As el who must then call the Watc must conduct all business with with the Watch Officer. While in hing cameras and answering re ce for assigned personnel and figuration of the entrances to the	s it is current th Officer to c the citizens in the lobby, equests as ne the privacy c ne Sheriff's C	cly configured, a citizen comes to come up to the front lobby to asce in the open front lobby while other the Watch Officer is then taken a ecessary from deputies on the roa of the citizens seeking guidance.	way from their primary duties of ad. This reconfiguration will provide a The proposal includes the eating / interview area and counters			
	Separate Detail Sheet Atta	ached: Yes/No Yes	1					
^	Otant Data (antimata)	07/04/04		Completion Data (actimate):	00/00/00			
8.	Start Date (estimate):	07/01/21	8a.	Completion Date (estimate):	06/30/22			
9.	Project Cost - Budget Line Account De			\$ Amount				
	541110 - Land	езсприон		<del>y Amount</del>				
	541111 - ROW							
	541210 - Other Improvemen	nts						
	541320 - Building and Struc			325,815				
		Total Project Cost		\$ 325,815				
10.		ct on Operating Budget  I Fees/Cost to any M&O Account)						
	Budget Line Items	Annual Amount (\$)						
	Dauget Lille itellis	Ailliual Ailliuill (\$)						
	Personnel Costs							
	Personnel Costs Maintenance/Repairs		-					
	Maintenance/Repairs		-					
			-					

Total

\$

### FCSO Watch Office Feasibility Study - Cost Breakdown

Item / Work Description	5	SF Space	Cost/SF	<b>Total Cost</b>
Remodel of existing roll call into new Watch Office				
Work Includes:		1,060	\$128.25	\$135,945
Opening up existing entrance				
New secure doors				
New reception desk \ counter for Watch Office				
Private seating area				
Access through to holding cells				
Creation of reception / inquiry window for Records				\$8,125
Turn existing janitors cloest into public unisex bathroom		156	\$202.50	\$31,590
Remodel existing Records Office into Roll Call		540	\$60.75	\$32,805
External signage, landscaping, flagpole				\$27,000
Sul	btotal			\$235,465
Allow for Design fees / Professional fees				\$35,100
Other Costs				
IT equipment moves				\$6,750
Additional FFE				\$13,500
Contingency				\$35,000
Т	OTAL			\$325,815

### FY2023 CIP / CAPITAL - PROJECT REQUEST FORM

	Project Code:		(for Finance	e use only)					
All fields must be completed for submission. Incomplete forms will be rejected.									
1.	·	ed for submission, incomplete in	OIIIIS WIII DE	Telecteu.					
١.	Project Name:	I recording system upgrade - S	hariff's Offic	e & Justice Center					
	Systemwide Camera and		nenn 3 Onic	e & Justice Center.					
2.	Requestor:	SHERIFF - ADMINISTRATION	١						
	Contact(s):	Major Michelle Walker - ext 47	753						
		Chief Deputy Anthony Rhodes							
		Chief Deputy Anthony Khodes	5 - EXI. 4013						
3.	Is this a construction proj	ect? Yes/No	No	If yes, is a permit required?	No				
3a.	If this is a continuation or	add-on to an existing project, pr	rovide the fu	Il account number (include existing	nroject number):				
ou.		add on to an existing project, pr	OVIGO LIIO IG	1	g project number).				
4.	Total Requested Project F	unds by Fiscal Year (\$):	i	Other Funding Sources:	Other Funding Source Type:				
	FY23	974,185	FY23						
	FY24		FY24						
	FY25		FY25						
	FY26		FY26						
	FY27		FY27						
5.	Estimated Total Cost (\$):	974,185	6.	Estimated Useful Life:	10				
_									
7.	Detailed Project Description				Requests with insufficient detail will be returned.				
	Buildings A & B which ho across three separate bu requested funding would Office, Jail, Justice Cente attached proposal for Shocurrently required for othourent system. The requ	uses the Support Services Divildings located on roughly the spe for the purchase of a new ser, as well as external infrastruceriff's Office facilities and grourer law enforcement video recordested system would include Pa	ision, Crimir same plot. T system which cture and ve nds. This upordings. The re ran-Tilt-Zoom	nal Investigations and Field Opera he current system is an analog sy n would allow sufficient observation hicles. An additional twenty (20) dated system would also allow for new system has more capability for	em throughout the Sheriff's Office and its facilities. This would include ations; the Jail facility; and the Justice Center which are spread yestem which is fifteen-twenty years old and outdated. The overall on of inmate and staff activity maintain the safety of the Sheriff's IOMP and four (4) Flock cameras is requested in addition to the ramuch longer recording capacity (180 days) which is what is or interaction with cameras positioning which is not available with the be able to control from Jail Central, the Watch Office and the Justice ving, and recording.				
	Separate Detail Sheet Atta	ched: Yes/No Yes							
	Other Barta (and annual a)	07/01/22	8a.	Completion Date (estimate):	0/04/00				
8.	Start Date (estimate):	07/01/22	oa.	Completion Date (estimate).	6/31/23				
9.	Project Cost - Budget Line Account De	· • •		\$ Amount					
	541320 - Building and Struct	tures							
	542167 - Surveillance Equip	ment		974,185					
		Total Project Cost		\$ 974,185					
10.		ct on Operating Budget							
	Budget Line Items	Annual Amount (\$)		1					
	Personnel Costs	· ····································		1					
	Maintenance/Repairs		10,000	1					
	Capital Outlay		,,,,,	1					
	Utilities			1					
	Other			1					

10,000

Total



1608 Church Street SE Decatur, AL 35601 P 256.351.2445 F 256.351.1648

January 27, 2022

Fayette Co Justice Complex 145 Johnson Ave Fayetteville, GA 30214 Attn: Randy Kent

Re: Fayette County JC GA-CCTV Upgrade

Sub: Budget proposal for upgrading the CCTV System.

### Randy,

We are pleased to provide this budget per request for replacing the Analog/IP hybrid camera system with Wisenet (Hanwha-Techwin of America) Digital Client Stations, Cameras and Network Video Recorder (NVR). Note the licensing requires no annual renewal or maintenance fees.

### Furnish and Installed by SWC

### Annex

### Replace Headend Equipment with the following.

- (1) NVR recording @ 15FPS for 180 days.
- > (1) Rack mounted UPS for NVR
- > (1) KVM switch with monitor for connection to the NVR.
- > (1) 42" LED Monitor
- (1) 2 channel CCTV client viewing station.
- Network switch as required.
- Licensing as required for cameras.
- Lot of wire and cabling as required.

### **Field Devices**

(Replace = Remove existing and install new)

- (17) Replace existing indoor analog dome with 5MP IP Dome.
- > (3) Replace existing outdoor analog dome with 5MP IP Dome.
- (5) Replace existing outdoor analog PTZ with 4K IP PTZ.

### Jail Annex

### Replace Headend Equipment with the following.

- > (1) NVR recording @ 15FPS for 180 days.
- (1) Rack mounted UPS for NVR
- (1) KVM switch with monitor for connection to the NVR.

www.swc.net



### CCTV Fayette County JC GA-CCTV Upgrade SWC

### January 27, 2020

### Page 2 of 5

- > (1) 42" LED monitor
- > (1) 2 channel CCTV client viewing station.
- Network switch as required.
- Licensing as required for cameras.
- Lot of wire and cabling as required.

### **Field Devices**

(Replace = Remove existing and install new)

(16) Replace existing indoor 2MP IP dome with 5MP IP Dome.

### **New Field Devices**

- > (1) Multi-Sensor IP camera with 4-5MP fixed lenses and 1-2mp PTZ to view safe zone area.
- (1) Multi-Sensor IP camera with 4-5MP fixed lenses and 1-2mp PTZ to view heli-pad and vehicle shop.

### Main Jail

### Replace Headend Equipment with the following.

- (Qty as req'd) NVR to provide recording @ 15FPS for 180 days.
- > (1) KVM switch with monitor for connection to the NVRs.
- (4) 42" LED monitor
- (3) 21" LED monitor
- (2) 2 channel CCTV client viewing station.
- (2) 4 channel CCTV client viewing station.
- Network switch as required.
- Licensing as required for cameras.
- Lot of wire and cabling as required.

### Field Devices

(Replace = Remove existing and install new)

- (56) Replace existing indoor analog dome with 5MP IP Dome.
- (18) Replace existing indoor 2MP IP dome with 5MP IP Dome.
- > (13) Replace existing analog corner with 3MP IP Corner Camera
- (12) Replace existing outdoor analog dome with 5MP IP Dome.
- (8) Replace existing outdoor analog PTZ with 4K IP PTZ.

### **New Field Devices**

- > (1) 42" LED Monitor
- (2) 2 channel CCTV client viewing station.
- (20) 3MP IP corner cell cameras located in medical holding cells.
- (2) 2MP IP domes at nurse's station and waiting.
- > (2) 2MP IP domes looking at parking lot outside main entry
- (2) Multi-Sensor IP Camera w/ 4-5MP fixed lenses & 1-2mp PTZ to view open area at back of jail.

CCTV Fayette County JC GA-CCTV Upgrade SWC January 27, 2020 Page 3 of 5

### **Court House**

### Replace Headend Equipment with the following.

- (Qty as req'd) NVR to provide recording @ 15FPS for 180 days.
- (1) KVM switch with monitor for connection to the NVRs.
- > (3) 42" LED monitor
- > (2) 4 channel CCTV client viewing station.
- Network switch as required.
- Licensing as required for cameras.
- Lot of wire and cabling as required.

### **Field Devices**

(Replace = Remove existing and install new)

- > (22) Replace existing indoor analog dome with 5MP IP Dome.
- > (6) Replace existing analog corner with 3MP IP Corner Camera
- (11) Replace existing outdoor analog PTZ with 4K IP PTZ.
- (16) Replace existing Indoor analog PTZ with 2MP IP PTZ.

### Additional Inclusions:

- Proper project management for on- and off-site management.
- Proper engineering documents for installation, operation and maintenance.
- HMI re-programming for system integration for CC-1, CC-2, and TS-4.
- · Remove existing headend equipment; turn over to Owner for disposal.
- Remove existing CCTV monitors and keyboards; turn over to Owner for disposal.
- System Training as it pertains to the CCTV system upgrade.

### Terms and Conditions:

- Proposal is based on a purchase order from the county having this scope letter attached.
- The new Digital Camera System platforms do not support sequencing of cameras to a monitor like traditional analog systems. However, the Digital Viewing Stations being provided will give you the ability to display multiple cameras in multiple views.
- Proposal is based upon PTZ control from Touchscreen keyboards, no provision is made for Keypads with
  joystick controllers, we have found most facilities do not use CCTV keyboards if provided, they do not
  function as well as Touch screens or CCTV Control monitor keyboard and mouse PTZ control. If required
  these will be at an additional charge.
- Proposal is based on an 8-hour workday with escorts being available to allow installation of products without delay.
- Proposal is contingent upon reuse of existing cable pathways. No conduit, pull strings, pull/junction boxes, fittings, straps, access panels or j-hooks included in proposal.
- Proposal is based on all existing cameras and wiring being sound and functional in nature, no provision is included to bring existing equipment into operational status.
- Proposal is based on the Owner being responsible for Network Security of the CCTV system if Owner decides to tie the CCTV network into facility network.

CCTV Fayette County JC GA-CCTV Upgrade SWC January 27, 2020 Page 4 of 5

- Proposal is based on the existing power circuits being sufficient for the installation of the Client Stations in control rooms and head-end equipment in Equipment Rooms. If power circuits are found to be required these will be provided by Owner.
- Proposal contains no provisions for counter modifications.
- Proposal is contingent upon use of Owners lift, no provision is included for lift rental, if required will be at an additional fee.
- · No finish painting is included.
- Final payment will be remitted upon substantial completion of our scope of work. No retainage is to be withheld.
- Warranty: Equipment and Labor, which may also include additional Services from SWC, will be warranted for a period of one (1) year from substantial completion of SWC's scope of work. Substantial completion normally will indicate the completion of SWC's full scope of work; however as may be dictated by the project size, schedule or Customer-Owner's request, it may mean a specified area or portion thereof. Substantial completion means the degree of completion of SWC's scope of work, or specified area or portion thereof attained of which the same can be used for the intended purpose. Substantial completion and the start of the warranty period is signified by the issuance of SWC's Certificate of Warranty, however the start of the warranty period will begin at any point of occupancy and or use by the Customer-Owner regardless of the issuance of a Certificate of Warranty. Please note that with certain equipment the manufacturer of said equipment may offer warranties beyond one (1) year; these warranties cover equipment only, with some equipment exclusions, and do not cover any labor, freight, stocking, etc. involved with the equipment replacement or repair.
- All local permits, license, inspections and all related cost will be furnished by others.
- Bond Available if required at 1.0% of total contract value to SWC.
- Tax not included.
- Proposal is valid for a period of 60 calendar days. At the end of 60 days pricing must be re-evaluated to incorporate the most current costs of material and labor.

CCTV Fayette County JC GA-CCTV Upgrade SWC January 27, 2020 Page 5 of 5

### Summary

We are pleased to perform all of the work in accordance with the contents of the previous pages containing SWC's scope of work for the sum(s) as follows:

Budget Pricing: \$845,254.00

Pricing DOES NOT include applicable taxes on material...

SWC is a Licensed Contractor in the State of Georgia...

Sec of State Reg #K119560

Low Voltage Alarm Contractor #LVU406207

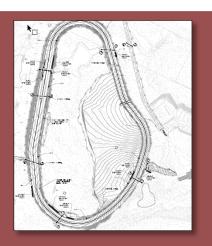
Electrical Contractor #EN215040

Sincerely,

100

Jason Gregory

Jason Gregory-Detention Account Executive SWC – Sales and Estimating E-mailed to: rkent@fayettecountyga.gov



## Project Cost Estimates: Tactical Driving Course \$2,500,000





# 2023 SPLOST Public Safety Tactical Driving Course

### Objective:

To provide additional driver training to Deputies within the County in an effort to reduce the number of vehicular incidents / accidents and so limit one of the highest risk / liability areas.

### **Concept Brief:**

- Approximately 1.5 2.0 miles of driving track
- Curves, Intersections, traffic signals, lighting to simulate County roads
- Straightaway wide enough / long enough to perform PIT maneuvers and threshold braking
- Off road recovery and skid-pad area
- Cone course for low-speed maneuvering, reversing and parking
- Viewing towers minimum of 2 (depending on layout of course)
- Use of existing site contours to provide a road with hills / curves
- Driving Course layout to allow for possible construction of mock town around roads

### TACTICAL DRIVING COURSE PROPOSED LAYOUT

- The planned layout of the driving course maximizes the use of the available space and provides long enough straightaways for PIT maneuvers.
- A new access driveway is needed to the location for both the SO Training Center & FCFD Training Facility.
- The center area of the driving course is being graded to provide fill
  material for the FCFD Training Facility provides a graded area for
  development of future phases (mock village, intersections, etc.)
- Good connection / access to current SO Training Center parking lot (storage of vehicles / access to course).
- Consideration of the impact of the proposed East Fayetteville Parkway an earth berm will shield the driving course.



### FY2023 CIP / CAPITAL - PROJECT REQUEST FORM

Project Code:		(for Finance	use only)					
All fields must be completed for submission. Incomplete forms will be rejected.								
Project Name:								
Sheriff Tactical Course Pl	hase II & Mock Village							
Requester:	SHERIFF - TRAINING							
Agency Contact(s):	Major Michelle Walker - ext. 4	753						
	Major Brian Eubanks - ext. 482	23						
Is this a construction proje	ect? Yes/No	Yes	If yes, is a permit required?	Yes				
If this is a continuation or	add-on to an existing project, p	rovide the ful	l account number (include existin	g project number):				
Total Requested Project F	unds by Fiscal Year (\$):		Other Funding Sources:	Other Funding Source Type:				
FY22	500,000	FY22	3	,,,,				
FY23	750,000	FY23						
FY24	750,000	FY24						
FY25	500,000	FY25						
FY26		FY26						
Estimated Total Cost (\$):	2,500,000	6.	Estimated Useful Life:	40				
Detailed Project Description	on/Cost Brookdown:							
•		sarv attach a	dditional sheets. <u>Requests with ir</u>	sufficient detail will be returned				
				structure and providing a tactical				
				e, the site will be levelled to provide fill				
				eriff Tactical Driving Course & Mock				
			se and mock village/street scene					
			ng frontages, street lighting and t					
conditions encountered b	y Officers. This will be located	on the inside	of tactical driving course on the	area previously graded Phase I				
				so that the whole driving course can				
			afety of the driving course and pro					
				e will need to have security fencing to				
				d illegal entry on to the driving course.				
				ep the track free from debris, providing				
a secure storage area by	the training center and a place	nor the mair	nenance of track verticles.					
		•						
Separate Detail Sheet Atta	ched: Yes/No Yes	,						
Start Date (estimate):	07/01/23	8a.	Completion Date (estimate):	06/30/26				
Project Cost - Budget Line	Items (Object Code)							
Account De	escription		\$ Amount					
541110 - Land								
541111 - ROW								
541210 - Other Improvements								
541320 - Building and Structures 2,500,000								
	Total Project Cost		\$ 2,500,000					
Impa	ct on Operating Budget							
	Fees/Cost to any M&O Account)							
Budget Line Items	Annual Amount (\$)							
Personnel Costs		-						
Maintenance/Repairs		50,000						

25,000

5,000

80,000

Capital Outlay

\$

Utilities

Other

Total

Tactical Track & Mock Village Buildout - Cost Breakdown					
Item / Work Description	LF	Cost/LF	<b>Total Cost</b>		
Tactical Track Mock Village; Observation Towers & Fencing					
Tactical Track:					
Security fencing	6,000	\$25	\$150,000		
Armco Safety barriers	5,000	\$55	\$275,000		
Roads to mock town 1 Mile City style blocks	5,280	\$165	\$871,200		
Item / Work Description	Qty	Cost	Total Cost		
	4.7				
Tactical Track:					
Security gates	2	\$10,000	\$20,000		
Observation Towers	2	\$25,000	\$50,000		
Buildings to mock town	5	\$50,000	\$250,000		
Site lighting/simulated traffic signals		Allowance	\$300,000		
Equipment:					
Gas Truck	1	\$200,000	\$200,000		
Track Blower	1	\$25,000	\$25,000		
Car repair items/storage/mechanical alterations	1	\$35,000	\$35,000		
Subtotal			\$2,176,200		
Allow for Design fees / Professional fees			\$105,000		
Other Costs					
IT equipment moves			\$15,000		
Additional FFE			\$25,000		
Contingency			\$178,800		
TOTAL			\$2,500,000		



# Project Cost Estimates: Parks and Recreation Building \$14,000,000





# 2023 SPLOST Parks Recreations and Human Services Parks and Recreation Building

The primary goal of this project is to provide a new multi-purpose facility which will replace the existing Kiwanis Park facility located at 980 Redwine Road in Fayetteville, Georgia.

The new multi-use facility is envisioned to include sports courts, a walking/jogging track, a community kitchen, community meeting rooms, multipurpose rooms, offices, changing rooms, and support spaces. The new facility will provide infrastructure savings in the long run and allow our residents access to a facility that is housed under one shared location instead of being distributed into multiple facilities and multiple locations. Parking spaces, restrooms, event rooms can all be maximized throughout the course of a year rather than just one primary use during the "in-season" activity. This facility will maximize our limited recreation space while providing residents with the most opportunities for improving well-being by providing a full range of recreation programming for our youth, adult, and senior parks and recreation users. This facility creates the ideal place to implement versatile and safe recreation activities into a single location.





### FY2023 CIP / CAPITAL - PROJECT REQUEST FORM

	Project Code: (for Finance use only)							
	All fields must be completed for submission. Incomplete forms will be rejected.							
1.	Project Name:							
••	Parks and Recreation Mu	Itipurpose Facility						
_								
2.	Department:	PARKS & RECREATION						
	Department Contact(s):	Anita Godbee						
	. ,	770-716-4321						
		110 110 4021						
3.	Is this a construction proj	ect? Yes/No	Yes	If yes, is a permit required?	Yes			
		•		•				
3a.		• • • • •	provide the f	ull account number (include existir	ng project number):			
	315	60110 541320 216AE						
4.	Total Requested Project F	unds by Fiscal Year (\$):		Other Funding Sources:	Other Funding Source Type:			
	FY23	2,500,000	FY23					
	FY24	2,500,000	FY24					
	FY25	3,500,000	FY25					
	FY26	3,500,000	FY26					
	FY27	2,000,000	FY27					
			! 					
5.	Estimated Total Cost (\$):	14,000,000	6.	Estimated Useful Life:	40			
7	Detailed Project Description	on/Cost Brookdown:						
7.			ary attach	additional sheets. Requests with in	sufficient detail will be returned			
		•			cility located at 980 Redwine Road in			
				ude sports courts, a walking/joggin				
					ew facility will provide infrastructure			
	•		•		eation instead of being distributed into			
				event rooms can all be maximized to	,			
	rather than just one primary use during the "in-season" activity. This facility will maximize our limited recreation space while providing							
	residents with the most opportunities for improving well-being by providing a full range of recreation programming for our youth, adult, and							
	senior parks and recreation users. This facility creates the ideal place to implement versatile and safe recreation activities into a single							
	location. Recreation programming revenue will help offset some of these fixed costs. Programming will be designed to allow activities for all our community members, a space for class instruction, club meetings, community presentations, birthday parties, and many other social							
	activities.							
			1					
	Separate Detail Sheet Atta	iched: Yes/No No						
8.	Start Date (estimate):	07/01/23	8a.	Completion Date (estimate):	06/31/2027			
	` ' '				<u></u>			
9.	Drainet Cont Budget Line	Itama (Object Cada)						
Э.	Project Cost - Budget Line Account De	, ,		\$ Amount				
		escription		\$ Alliount				
	541110 - Land							
	541111 - ROW							
	541210 - Other Improvements           541320 - Building and Structures         14,000,000							
Total Project Cont								
	Total Project Cost \$ 14,000,000							
10.	Impact on Operating Budget							
	(Future Annual Fees/Cost to any M&O Account)							
	Budget Line Items	Annual Amount (\$)		1				
	Personnel Costs	Tanada Fano dire (ψ)	250,000	1				
	Maintenance/Repairs		70,000					
	Capital Outlay							
	Utilities 70,000							
	Other		10,000					
	Total	\$	400,000	ĺ				

Recreational Multipurpose Facility - Cost Breakdown						
Item / Work Description	SF	Cost/SF	Total Cost			
Multipurpose Facility						
Construction Cost	33,000	\$300	\$9,900,000			
Architectural, Design & Engineering		Allowance	\$535,000			
Project Management	5.2%	Allowance	\$510,000			
Construction Management	5.2%	Allowance	\$510,000			
Site Upgrades - Parking Lot		Allowance	\$250,000			
Security System Equipment Upgrade		Allowance	\$250,000			
Surveys & Testing		Allowance	\$225,000			
Audio/Visual Enhancements		Allowance	\$200,000			
Update Cellular and WIFI systems		Allowance	\$100,000			
Equipment:						
Furniture, Fixtures & Equipment		Allowance	\$750,000			
Information Technology		Allowance	\$150,000			
Subtota	ı		\$13,380,000			
Contingency	6.3%	Allowance	\$620,000			
TOTA	L		\$14,000,000			

### Parks and Recreation Facility





### Currently Kiwanis Park is home to where the Recreation Department office is located

- 2 small classrooms
- 1 kitchen
- 3 restrooms
- 2 storage areas
- 7 areas for current staff

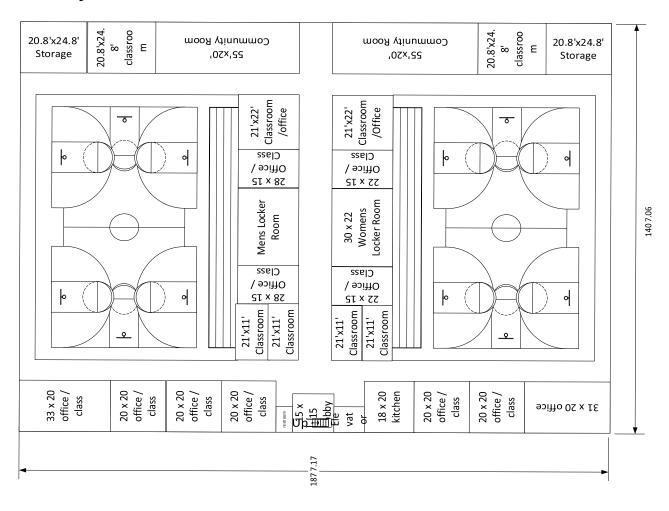


Proposed Multiuse Facility:

### Kiwanis Park where current office is located

- Central location within Fayette County
- Existing property and most infrastructure already in place

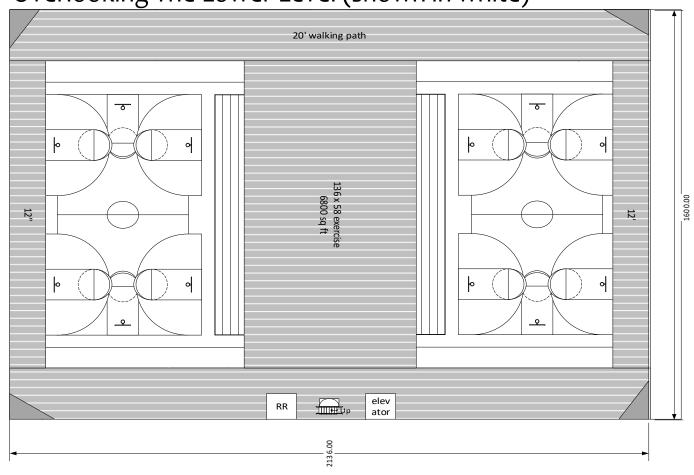
### **Entry/Lower Level**



- multiuse areas/courts
- community rooms
- classrooms of various sizes
- restroom/locker rooms
- storage areas
- offices for staff

### **Upper Level (Shown in Gray)**

Overlooking The Lower Level (shown in white)



- Walking Path
- Exercise Area

### **PROGRESS TO DATE**

- Awarded Contract for Architectural and Engineering Services to Lose Design.
- Held Kickoff meeting to begin discussions between staff and consultant. Communication protocols, project scope, goals, programming (site & building), timelines, budget, and existing known conditions were discussed.
- Staff and consultant toured various recreation facilities to obtain ideas of different facility features and designs.
   Ideas obtained will help staff establish the "Must haves" and "Nice to Haves".

### **Next Steps**

- Site Analysis
- Concept Development Phase
- Public Input Phase
- Revised Concept and opinion of probable cost
- Schematic Design and Engineering Phase
- Design and Engineering Development Phase
- Construction Document Development
- Bid Documents and Bidding
- Contracting and construction begins

**Construction Cost:** \$300 sq. foot x 33,000 sq. feet = \$9,900,000

A & E Service: \$535,000

Project Management: \$510,000

Construction Management: \$510,000

Surveys & Testing: \$225,000

Site Upgrades - Parking Lot: \$250,000

### **Equipment:**

• Furniture, Fixtures, & Equipment: \$750,000

• Information Technology: \$150,000

### **Other Cost:**

Audio/Visual Enhancements: \$200,000

Security System Equipment Upgrade: \$250,000

Update Cellular and WIFI Systems: \$100,000

Contingency: \$620,000

Total: \$14,000,000



Project Cost Estimates: Transport Vehicles \$675,000

> Café \$325,000

Meals on Wheels \$250,000





# 2023 SPLOST Parks Recreations and Human Services Senior Services Enhancements

Fayette County Senior Services is the leading provider of low-cost, flexible transportation for the County's disabled and older adults. To provide better service to the community the senior services vehicles need to be replaced, on average two vehicles are replaced every year.

One is a standard vehicle, and the other is a handicap accessible vehicle.

The Fayette County Senior Services wishes to propose an expansion to the café area. This \$325,000 expansion will double the current café serving options and will allow for a fitness and multipurpose area when cafe is not in use.

Due to the increasing numbers of our senior population, the Meals on Wheels proposes a \$250,000 much needed expansion that includes a walk-in refrigerator and freezer and an enclosed walkway.





### FY2023 CIP / CAPITAL - PROJECT REQUEST FORM

	112023 011 7 07	" =:	NOOLOT NEGOLOT FOR	XIVI				
Project Code: (for Finance use only)								
All fields must be completed for submission. Incomplete forms will be rejected.								
Project Name:								
Senior Services Enhance	Senior Services Enhancements - Transport Vehicles, Café & Meals on Wheels							
Department:	PARKS & RECREATION							
Department Contact(s):	Department Contact(s): Anita Godbee							
	770-716-4321							
Is this a construction pro	Is this a construction project?  Yes/No  Yes  If yes, is a permit required?  Yes							
If this is a continuation or	add-on to an existing project, p	rovide the fu	ll account number (include existing	g project number):				
315	60110 541320 216AE							
Total Requested Project F	unds by Fiscal Year (\$):		Other Funding Sources:	Other Funding Source Type:				
FY23	710,000	FY23		-				
FY24	135,000	FY24						
FY25	135,000	FY25						
FY26	135,000	FY26						
FY27	135,000	FY27						
Estimated Total Cost (\$):	1,250,000	6.	Estimated Useful Life:	40				
Detailed Project Descripti	on/Cost Breakdown:							
Include as much in	formation as possible. If necess	ary, attach a	dditional sheets. Requests with in	sufficient detail will be returned.				
Fayette Senior Services	operates the Senior Life Enrich	ment Center	for all Senior Services. The Cent	ter is a 23,000 square foot facility that				
is the gathering place for	the socialization and recreation	of senior ci	tizens. Facilities include a dining r	room, fitness room, multi-purpose				
rooms, fellowships areas	, card and puzzle room, and a f	ull commerc	ial kitchen and café, and location	for Meals on Wheels program.				
		•	services, in-home services, transp	· · · · · · · · · · · · · · · · · · ·				
			hours to annually serve approxin					
•	•		and transporting seniors 25,000					
			ements requested include three c	omponents: \$675,000 Transport				
	Renovation, and \$250,000 Mea							
	· · · · · · · · · · · · · · · · · · ·			disabled and older adults. This request				
•			•	hhanced transportation services to the				
		•	nclude 35% of trips are dialysis, 1					
		m the Cente	er to meet county obligations unde	er the Older Americans Act. Vehicle				
· ·	, and camera installation.	ot would do	ible the current oofé consing ontic	and allow for a fitness and				
	•		ible the current café serving optio	ed in porch so we can double our				
				ered fitness and multipurpose area.				
	•	•	ing Center capacity of 2,000. Curr	• •				
			. ,	•				
building, plus over 2,000 meals = 8,000 visits per month. This expansion would yield multi-purpose activities and provide café seating useable in all fair weather.								
The Meals on Wheels program demand continues to increase in our senior population and requires an expansion that includes a walk-in								
refrigerator and freezer and an enclosed walkway. The walk-in freezer unit would require an expansion to the existing structure and pantry								
storage. Currently staff uses 4 reach-in double door cooler/freezers with overflow storage kitchen walk-in. Current operations require 100%								
inventory exchange daily due to space limitations. Project would also serve as more refrigerated space and emergency space for Café								
Operations. Over 200 Volunteers supply vehicles & gas & delivery at own expense, to deliver 170-200 daily meal recipients. There is also								
an opportunity to receive 100K per year of additional groceries and nutrition at minimal cost if more cold storage becomes available.								
<u> </u>								
Separate Detail Sheet Attached: Yes/No No								
Start Date (estimate):	07/01/23	8a.	Completion Date (estimate):	12/31/27				
Project Cost - Budget Line	e Items (Object Code)							
Account D			\$ Amount					
541110 - Land								
541111 - ROW								
541210 - Other Improvemen	nts							
541320 - Building and Struc			1,250,000					
	Total Project Cost		\$ 1,250,000					
			1					

Impact on Operating Budget (Future Annual Fees/Cost to any M&O Account)				
Budget Line Items	Annual Amount (\$)			
Personnel Costs				
Maintenance/Repairs		5,000		
Capital Outlay				
Utilities		6,000		
Other		1,000		
Total	\$	12,000		

Item / Work Description	Qty	Cost	Total Cost
Multipurpose Facility			
Transport Vehicles - Replacing 3/over 5 years	15	\$45,000	\$675,000
Café		Allowance	\$325,000
Meals on Wheels			
Walk-In Freezer		Allowance	\$125,000
Enclosure and Walkway		Allowance	\$125,000
TOTAL			\$1,250,000

#### Project Cost Estimates: Starr's Mill Educational Facility \$1,000,000

# 2023 SPLOST Parks Recreations and Human Services Starr's Mill Educational Facility

The Starr's Mill Environmental Education Center will house a variety of exhibits and displays highlighting our region's efforts to conserve, manage and enhance our water resources. Displays will showcase our water system processes, conservation efforts and water partnerships along with artifacts from our Horton Creek excavated during the construction of Lake Horton Water Supply Reservoir. Efforts will be made with Line Creek Nature Preserve and Fayette County School System to conduct educational classes on water ways and their importance to our community.

Starr's Mill public restrooms will be retrofitted from the old Water System Pump House. These restrooms would serve the public who attend meetings and events at this County facility. Currently the Water System rents port-o-potties for public use by the Historical Society and other special events. This construction project includes removal of old pumps in existing pump house to allow for installation of men's and women's restrooms. Restrooms will be serviced by a septic system requiring a pump for sewage to pumped uphill to the septic drain field.







#### FY2023 CIP / CAPITAL - PROJECT REQUEST FORM

	Project Code: (for Finance use only)						
	All fields must be completed for submission. Incomplete forms will be rejected.						
1	Project Name:						
••		al Education Center & Public Re	stroom				
	Is this a construction pro	ject? Yes/No	yes	If yes, is a permit required?	yes		
	If this is a continuation or	- add-on to an existing project in	ovide the	full account number (include exis	ting project number):		
	If this is a continuation or add-on to an existing project, provide the full account number (include existing project number):						
2.	Estimated Total Cost (\$):	1,000,000	3.	Estimated Useful Life:	20+		
4.	Total Requested Funds b		Gra	nt Funding (Federal/State/Other):	Grant/Match Percentage:		
	FY23	450,000	FY20				
	FY24	550,000	FY21				
	FY25		FY22				
	FY23		FY23				
	FY24		FY24				
5.	Detailed Project Descripti	ion/Cost Breakdown:					
			ry, attach	additional sheets. <u>Requests with</u>	insufficient detail will be returned.		
					ghting our region's efforts to conserve,		
	manage and enhance or	ur water resources. Displays wil	l showcas	e our water system processes, c	onservation efforts and water		
				during the construction of Lake			
			nd Fayette	County School System to condu	ct educational classes on water ways		
	and their importance to o						
					rooms would serve the public who		
				Vater System rents port-o-potties	ng pump house to allow for installation		
					o for sewage to pumped uphill to the		
	septic drain field.	estrooms. Restrooms will be se	I viced by	a septic system requiring a pump	Tor sewage to pumped uprim to the		
	Occupants Data'l Obsert Att	and and Man Man					
	Separate Detail Sheet Atta	ached: Yes/No no					
6.	Department:	Water System/Parks Recreation	on				
٥.							
	Department Contact(s):	Vanessa Tigert					
		770-320-6016					
_							
7.	Start Date (estimate):	07/01/24	8.	Completion Date (estimate):	07/30/25		
9.	Project Cost - Budget Lin	e Items					
	Account D	escription		\$ Amount			
	541110 - Land			100,000			
	541111 - ROW						
	541210 - Other Improveme	ents		200,000			
	541320 - Building and Stru	ctures		700,000			
		Total Project Cost		\$1,000,000			
40				1			
10.		ct on Operating Budget ure Annual Fees/Cost)					
		,					
	Budget Line Items	Annual Amount (\$)	40.000				
	Personnel Costs Maintenance/Repairs		40,000 13,000				
	a.rtoriarioo/rtopario		10,000	Ī			

6,000 1,000

60,000

Capital Outlay Utilities

\$

Other

Total

Starr's Mill Environmental Education Center & Public Restroom				
Item / Work Description	LF	Cost/LF	Total Cost	
Starr's Mill Environmental Education Center				
Building & Land Purchase		Allowance	\$458,450	
Parking Improvements		Allowance	\$32,125	
Display Cases		Allowance	\$25,000	
Furniture, Fixtures & Equipment		Allowance	\$75,000	
Starr's Mill Public Restroom				
Pump demolition, septic system install, pump house retrofit		Allowance	\$268,000	
Engineering Design		Allowance	\$58,425	
Construction Management		Allowance	\$33,000	
Subtotal			\$950,000	
Contingency			\$50,000	
TOTAL			\$1,000,000	



Project Cost Estimates:
Animal Shelter Master
Plan Improvements
\$500,000





# 2023 SPLOST Parks Recreations and Human Services Animal Shelter Master Plan

The Masterplan Improvements for the new Animal Shelter Property site includes walking trails and livestock building. The walking path is estimated to be \$415,000 and will encircle the new animal control shelter and will be lined with shade trees, benches and waste stations for dog waste. The purpose of the project would to have a established path at the shelter for volunteers and potential animal adopters to exercise the dogs from the shelter. Not only would the path give a designated area to exercise the animals it would help to make the property that is not the building more attractive and easier to control the area from ticks and other bugs. Additionally, a new \$85,000 600 SF Livestock Building with built in stalls for small livestock that is typically brought to the shelter, like pigs, goats, chickens, there would also be a small pasture fence with the building to allow livestock room to move around. While there would be no need for sewer or heat there will be fencing, water and power to facilitate the operational needs for the livestock building





#### FY2023 CIP / CAPITAL - PROJECT REQUEST FORM

	Project Code:		(for Finance	e use only)		
	All fields must be complet	ed for submission. Incomplete	forms will be	rejected.		
1.	Project Name:			<u> </u>		
•	Animal Control Masterpla	n Improvements				
2.	Department:	ANIMAL CONTROL				
	Department Contact(s):	Jerry J. Collins				
3.	Is this a construction proj	ect? Yes/No	Yes	If yes, is a permit r	equired?	
3a.	If this is a continuation or	add-on to an existing project, p	rovide the fu	II account number	(include existing	project number):
				<b>,</b>		
4.	Total Requested Project F	unds by Fiscal Year (\$):		Other Funding Sou	urces:	Other Funding Source Type:
	FY23	150,000	FY23			J.
	FY24	350,000	FY24			
	FY25		FY25			
	FY26		FY26			
	FY27		FY27			
5.	Estimated Total Cost (\$):	500,000	6.	Estimated Us	seful Life:	999
7.	Detailed Project Description	on/Cost Breakdown:				
	Include as much in	formation as possible. If necess	ary, attach a	dditional sheets. R	Requests with insu	ifficient detail will be returned.
	dog waste. The purpose exercise the dogs from the property that is not the buse SF Livestock Building wit also be a small pasture for	of the project would to have a e e shelter. Not only would the p illding more attractive and easi h built in stalls for small livesto	established path give a de er to control ck that is typ ivestock roo	path at the shelter in the signated area to east the area from ticks incally brought to the move around	for volunteers and exercise the anim s and other bugs. he shelter, like pig . While there wou	
	This project will to be repl	ace what is currently at t No				
8.	Start Date (estimate):	07/01/23	8a.	Completion Date	e (estimate):	07/01/24
9.	Project Cost - Budget Line Account De			\$ Amount		
	541110 - Land					
	541111 - ROW					
	541210 - Other Improvemen	nts			415,000	
	541320 - Building and Struc				85,000	
	o i i o zo z				33,333	
		Total Project Cost		\$	500,000	
				•		
10.		ct on Operating Budget				
	(Future Annua	I Fees/Cost to any M&O Account)				
	Budget Line Items	Annual Amount (\$)				
	Personnel Costs					
	Maintenance/Repairs		2,000			
	Capital Outlay					
	Utilities		6,000			

6,000 1,000

9,000

Other Total

\$



## **Stormwater**



Canterbury Lane

**Grande Court** 





April 2023

#### FAYETTE COUNTY STORMWATER INFRASTRUCTURE IMPROVEMENTS

Fayette County owns and maintains miles of storm drainage pipes and associated drainage infrastructure for managing stormwater flowing under Fayette County Roads. This is comprehensively referred to as the Municipal Separate Storm Sewer System and includes items such as: storm drainage pipes, box culverts, gutters, ditches, swales, catch basins, and inlets.

A portion of the county's storm drainage infrastructure is in need of repair or replacement due to deterioration of corrugated metal pipe that is approaching or exceeding its expected useful life. Deteriorated, damaged, poorly maintained, and/or undersized pipes and structures can result in potentially serious safety, infrastructure, flooding, and environmental problems.

The drainage system improvements identified herein provide for repair and replacement of drainage systems under and adjacent to roadways that have deteriorated to the point where they no longer function as intended.

<u>Category I</u> TOTAL \$3,638,000

**Flooding and Safety:** Replacement or rehabilitation of Stormwater Drainage Systems where failure or improper operation may result in loss of property or probable loss of human life. This includes dams classified by the Georgia Safe Dams program that are within Fayette County right-of-way. All projects listed in this category are in need of immediate replacement.

<u>Category II</u> TOTAL \$17,990,900

**Stormwater Infrastructure Preservation Projects:** Deformation or damage of Stormwater Drainage Systems which may affect the drainage capacity or overall function of the structure. These projects have been subcategorized into three tiers.

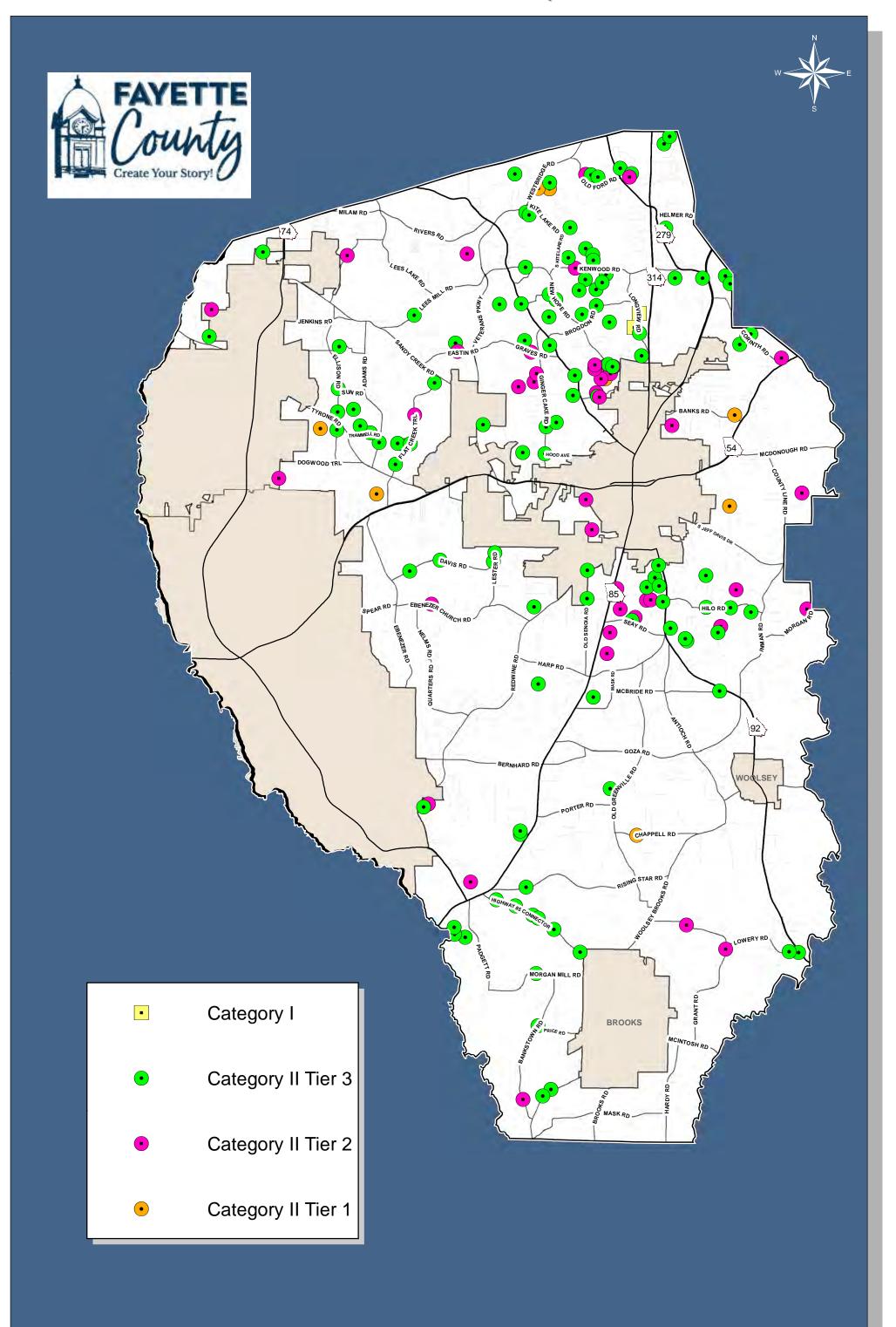
Tier I: In need of immediate attention \$ 3,336,654.78

Tier II: In need of replacement soon \$12,103,103.09

Tier III: Exhibits damage affecting drainage capacity or overall function \$ 2,551,142.13

2023 SPLOST TOTAL \$21,628,900

## SPLOST 2023 Stormwater Improvements



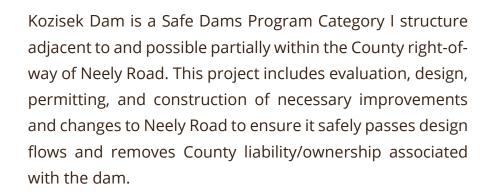
#### **Category I**

Project Name / Location	Projec	t Cost Estimate
KOZISEK DAM	\$	1,437,060.00
LONGVIEW DAM	\$	2,200,940.00
Category I Total Cost Estimate	\$	3,638,000.00

#### Kozisek Dam Category I

REACHTOE WOOLSE WOOLSE

Project Cost Estimate: \$1,437,060







# **Longview Dam**Category I

Project Cost Estimate: \$2,200,940



Longview Dam is a Safe Dams Program Category I structure located within County right-of-way of Longview Road. The project consists of performing the necessary evaluation, design, permitting, and construction to bring the structure into compliance with the Georgia Safe Dams Act of 1978.





#### **Category II, Tier I**

Project Name / Location	Proje	ct Cost Estimate
AVALON DRIVE (#514)	\$	232,484.00
BRANDON MILL CIRCLE-SOUTH (#215)	\$	756,824.84
CALLAWAY ROAD (#266)	\$	937,466.00
CHAPPELL ROAD (#364)	\$	655,206.60
DEER FOREST TRAIL (#120)	\$	246,031.00
SCOTT BLVD. (#160)	\$	155,256.00
WESTBRIDGE DRIVE (#503)	\$	205,869.34
WESTBRIDGE DRIVE (#517)	\$	147,517.00
Category I Total Cost Estimate	\$	3,336,654.78

Diameter: 30"

Length: 300'

Material: Corrugated Metal Pipe (CMP)

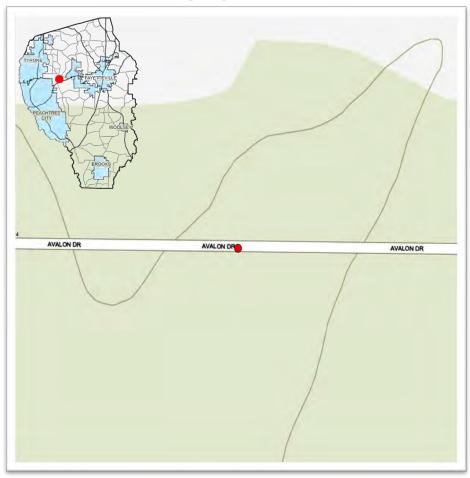
**Project Cost Estimate: \$232,484** 





#### **2023 STORMWATER SPLOST**

**514 Avalon Drive** Category II, Tier I



Project Cost Estimate				
Design / Engineering	\$	22,885		
Right of Way Acquisition	\$	10,000		
Environmental	\$	10,000		
Utility Relocation	\$	10,752		
Construction	\$	178,847		
Total Cost Estimate	\$	232,484		



Roadway Construction Pavement (SF) Curb and Gutter (LF) Drain Inlet (EA) 4" Sidewalk (SY) Guardrail (LF) End Anchorage (EA) Subtotal  Grading Complete (5% of Rwy Items & Drng Total \$)	Removal Unit Cost \$1.47 \$11.25	Installation Unit Cost 9.74 50.00		Total Cost \$6,726.40 \$- \$- \$- \$- \$- \$6,726.40 \$6,156.77
Roadway Total				\$12,883.17
Drainage Trench Excavation (CY) 30" CMP (LF)	Removal Unit Cost \$24.53	Installation Unit Cost 12.98	\$ 300.00	\$7,788.00 \$7,357.50
48" RCP (LF) Class A Conc (CY) Steel (lb)		223.47 1,850.86	\$ 13.70 \$ -	\$67,041.00 \$25,356.78 \$-
Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)		60.75 3.74 7.95	\$ 477.04	\$4,050.00 \$1,781.75 \$3,033.98
Drainage Total				\$116,409.00
Signing and Marking Permanent Striping (LF)		Installation Unit Cost 1.56	Amount \$ -	Total Cost \$-
Signing and Marking Total				\$-
Staging Clearing and Grubbing (Acre) Temporary Pavement		Installation Unit Cost 26,500.00	\$ 0.10	Total Cost \$2,650.00 \$ -
Temporary Drainage (Stream Diversion)		5,064.24	\$ 1.00	\$5,064.24
Staging Total				\$7,714.24
Erosion Control Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)		Installation Unit Cost 5.49 1,061.28 5.50 15.14 1.97 12.22 2,935.65 129.93 7.50 74.85	\$ 766.67 \$ - \$ 600.00 \$ 600.00 \$ 200.00 \$ 200.00 \$ - \$ 66.67 \$ 66.67	Total Cost \$4,209.00 \$- \$3,300.00 \$9,084.00 \$394.00 \$2,444.00 \$- \$8,662.00 \$500.00 \$-
Erosion Control Total				\$28,593.00
Construction Cost Total				\$165,599.41
Traffic Control (8% of Construction Total \$)				\$13,247.95
Construction Cost Grand Total				\$178,847.37
Utility Relocation	Removal Unit Cost	Installation Unit Cost	Amount	Total Cost
Electric Aerial	\$13.75	68.75	\$ -	\$-
Buried	\$20.63	103.13	\$ -	\$-
Wooden Pole Phone	\$103.13	756.25	\$ -	\$-
Aerial	\$13.75	68.75	\$ -	\$-
Buried	\$20.63	103.13		\$-
Wooden Pole	\$103.13	756.25	\$ -	\$-
Cable	640.75	00.75	œ.	¢
Aerial Buried	\$13.75 \$20.63	68.75 103.13		\$- \$-
Wooden Pole	\$103.13	756.25		\$- \$-
Gas				
4" main Water	\$20.63	82.50	\$ -	\$-
vvater 8" main	\$20.63	194.41	\$ 50.00	\$10,751.75
Relocate Fire Hydrant (EA) Sewer		5,665.63	\$ -	\$-
12" main Utility Relocation Total	\$61.65	103.28	\$ -	\$- \$10,751.75
Right of Way (Sq Ft)		Cost/ Sq Ft	Sq Ft	Total Cost
Permanent Easement ROW Total		•	\$ 2,000.00	\$10,000.00 \$10,000.00



Diameter: 72"

Length: 200'

Material: Corrugated Metal Pipe (CMP)

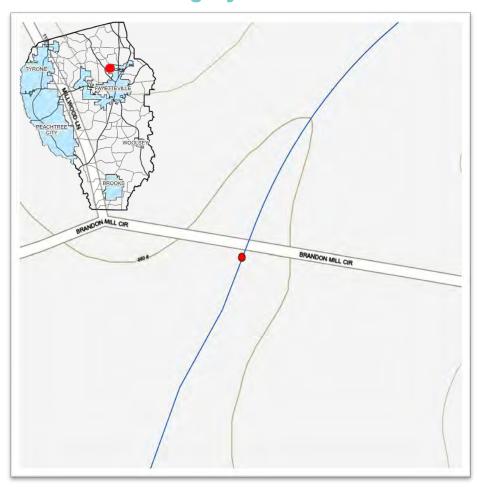
**Project Cost Estimate:** \$756,825





#### **2023 STORMWATER SPLOST**

# 215 Brandon Mill Circle - South Category II, Tier I



Project Cost Estimate				
Design / Engineering	\$	93,214		
Right of Way Acquisition	\$	37,500		
Environmental	\$	12,500		
Utility Relocation	\$	43,971		
Construction	\$	569,640		
Total Cost Estimate	\$	756,825		



Roadway Construction	Removal L	Jnit Cost	Installation Unit Cost	Amount	Total Cost
Pavement (SF)	\$	1.46	\$ 9.74	200.00	\$ 2,240.00
Curb and Gutter (LF)	\$	11.25	\$ 50.00		
Drain Inlet (EA)	*		*		\$ -
. ,	\$	42 7E	¢ 92.03	20.00	
4" Sidewalk (SY)	Ф	43.75	\$ 82.03	20.00	
Guardrail (LF)					\$ -
End Anchorage (EA)					\$ -
Subtotal					\$ 5,980.60
Grading Complete (5% of Rwy Items & Drng Total \$)					\$ 23,555.76
Grading Complete (5% of twy Items & Ding Total 4)					Ψ 20,000.70
D   T					A 00 500 00
Roadway Total					\$ 29,536.36
Drainage	Removal L	Jnit Cost	Installation Unit Cost	Amount	Total Cost
Trench Excavation (CY)			\$ 12.98	814.81	\$ 10,576.23
72" CMP (LF)	\$	78.75		200.00	\$ 47,250.00
	•		\$ -	0.00	
Class A Conc (CY)			\$ 1,850.86		
* ,					
Steel (lb)					\$ 53,495.75
Pipe Bedding (CY)			\$ 60.75		
Trench Backfill (CY)			\$ 3.74	921.50	\$ 3,441.80
Trench Compaction (CY)			\$ 7.95	737.20	\$ 5,860.74
. ,					
Drainage Total					\$ 465,134.59
Drainage Fotal					ψ <del>του, 104.09</del>
Cinning and Madeina			Installation II '10 o	A 1	T-4-1 C 4
Signing and Marking			Installation Unit Cost	Amount	Total Cost
Permanent Striping (LF)			\$ 1.56	0.00	\$ -
Signing and Marking Total					\$ -
Staging			Installation Unit Cost	Amount	Total Cost
Clearing and Grubbing (Acre)			\$ 26,500.00	0.10	
Temporary Pavement					\$ -
Temporary Drainage (Stream Diversion)			\$ 5,064.24	1.00	\$ 5,064.24
Staging Total					\$ 7,714.24
Judging Fotos					Ψ .,
Erosion Control			Installation Unit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)			\$ 5.49	200.00	\$ 1,098.00
Temporary Grassing (AC)			\$ 1,061.28	0.00	\$ -
Type C Silt Fence (LF)			\$ 5.50		
Check Dam Type C Silt Fence (LF)			\$ 15.14		
			ψ 10.14		
			r 4.07		
Erosion Control Mats (SY)			\$ 1.97	266.67	\$ 525.33
Erosion Control Mats (SY) Landscape Mulch (SY)			\$ 12.22	266.67 266.67	\$ 525.33 \$ 3,258.67
Erosion Control Mats (SY)				266.67 266.67	\$ 525.33 \$ 3,258.67
Erosion Control Mats (SY) Landscape Mulch (SY)			\$ 12.22	266.67 266.67 0.00	\$ 525.33 \$ 3,258.67 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY)			\$ 12.22 \$ 2,935.65 \$ 129.93	266.67 266.67 0.00 26.67	\$ 525.33 \$ 3,258.67 \$ - \$ 3,464.80
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY)			\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	266.67 266.67 0.00 26.67 26.67	\$ 525.33 \$ 3,258.67 \$ - \$ 3,464.80 \$ 200.00
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY)			\$ 12.22 \$ 2,935.65 \$ 129.93	266.67 266.67 0.00 26.67 26.67	\$ 525.33 \$ 3,258.67 \$ - \$ 3,464.80 \$ 200.00
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	266.67 266.67 0.00 26.67 26.67	\$ 525.33 \$ 3,258.67 \$ - \$ 3,464.80 \$ 200.00 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY)			\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	266.67 266.67 0.00 26.67 26.67	\$ 525.33 \$ 3,258.67 \$ - \$ 3,464.80 \$ 200.00
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	266.67 266.67 0.00 26.67 26.67	\$ 525.33 \$ 3,258.67 \$ - \$ 3,464.80 \$ 200.00 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	266.67 266.67 0.00 26.67 26.67	\$ 525.33 \$ 3,258.67 \$ - \$ 3,464.80 \$ 200.00 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total			\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	266.67 266.67 0.00 26.67 26.67	\$ 525.33 \$ 3,258.67 \$ - \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total			\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	266.67 266.67 0.00 26.67 26.67	\$ 525.33 \$ 3,258.67 \$ - \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total			\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	266.67 266.67 0.00 26.67 26.67	\$ 525.33 \$ 3,258.67 \$ - \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$)			\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	266.67 266.67 0.00 26.67 26.67	\$ 525.33 \$ 3,258.67 \$ - \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total			\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	266.67 266.67 0.00 26.67 26.67	\$ 525.33 \$ 3,258.67 \$ - \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total			\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85	266.67 266.67 0.00 26.67 26.67 0.00	\$ 525.33 \$ 3,258.67 \$ 200.00 \$ \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation	Removal U	Jnit Cost	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	266.67 266.67 0.00 26.67 26.67	\$ 525.33 \$ 3,258.67 \$ - \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total		Jnit Cost	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85	266.67 266.67 0.00 26.67 26.67 0.00	\$ 525.33 \$ 3,258.67 \$ 200.00 \$ \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation		Jnit Cost 13.75	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85	266.67 266.67 0.00 26.67 26.67 0.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial	\$	13.75	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85	266.67 266.67 0.00 26.67 26.67 0.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried	\$ \$	13.75 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85	266.67 266.67 0.00 26.67 26.67 0.00	\$ 525.33 \$ 3,258.67 \$ 200.00 \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole	\$	13.75	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85	266.67 266.67 0.00 26.67 26.67 0.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone	\$ \$ \$	13.75 20.63 103.13	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 26.67 0.00 Amount	\$ 525.33 \$ 3,258.67 \$ 200.00 \$ 200.00 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial	\$ \$ \$	13.75 20.63 103.13	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	266.67 266.67 0.00 26.67 26.67 0.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone	\$ \$ \$ \$	13.75 20.63 103.13	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 26.67 0.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial	\$ \$ \$	13.75 20.63 103.13	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	266.67 266.67 0.00 26.67 26.67 0.00 Amount 75.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Wooden Pole	\$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	266.67 266.67 0.00 26.67 26.67 0.00 Amount 75.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable	\$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13	266.67 266.67 0.00 26.67 20.00 Amount 75.00	\$ 525.33 \$ 3,258.67 \$ 200.00 \$ 200.00 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 26.67 0.00 Amount 75.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 26.67 0.00 Amount 75.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 26.67 0.00 Amount 75.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 20.00  Amount 75.00	\$ 525.33 \$ 3,258.67 \$ 200.00 \$ 200.00 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 20.00  Amount 75.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Casa 4" main	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 20.00  Amount 75.00	\$ 525.33 \$ 3,258.67 \$ 200.00 \$ 200.00 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Casle Aerial Buried Wooden Pole Casle Aerial Buried Wooden Pole Casle Aerial Buried Wooden Pole Gas 4" main Water	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 8.75 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 26.07 26.07 75.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.41	266.67 266.67 0.00 26.67 26.07 0.00  Amount 75.00 75.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 16,127.63
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA)	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 8.75 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 20.07 20.07 20.00  Amount 75.00 75.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Case Case A'' main Relocate Fire Hydrant (EA) Sewer	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 \$ 74.85 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 26.07 0.00  Amount 75.00 75.00 75.00 0.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 16,127.63
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA)	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.41	266.67 266.67 0.00 26.67 26.07 0.00  Amount 75.00 75.00 75.00 0.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 16,127.63
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Case Case A'' main Relocate Fire Hydrant (EA) Sewer	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 \$ 74.85 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 26.07 0.00  Amount 75.00 75.00 75.00 0.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 16,127.63
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Rerial Buried Wooden Pole Rerial Buried Wooden Pole Rerial Buried Wooden Fole Rerial Buried Wooden Pole Casa 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 \$ 74.85 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 26.07 0.00  Amount 75.00 75.00 75.00 0.00	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ - \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole Cable Aerial Buried Wooden Fole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.28	266.67 266.67 0.00 26.67 26.67 20.07 75.00 75.00 75.00 0.00 0.00	\$ 525.33 \$ 3,258.67 \$ 200.00 \$ 200.00 \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 16,127.63 \$ 16,127.63 \$ 16,127.63
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Aerial Buried Wooden Aerial Buried Wo	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 \$ 74.85 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 26.07 26.07 26.00  Amount 75.00 75.00 0.00 0.00 0.00 Sq Ft	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 16,127.63 \$ 16,127.63 \$ 16,127.63
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.28	266.67 266.67 0.00 26.67 26.07 26.07 26.00  Amount 75.00 75.00 0.00 0.00 0.00 Sq Ft	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 16,127.63 \$ 16,127.63 \$ 43,971.38
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Aerial Buried Wooden Aerial Buried Wo	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85 \$ 74.85 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25	266.67 266.67 0.00 26.67 26.07 26.07 26.00  Amount 75.00 75.00 0.00 0.00 0.00 Sq Ft	\$ 525.33 \$ 3,258.67 \$ 3,464.80 \$ 200.00 \$ 25,058.80 \$ 527,443.99 \$ 42,195.52 \$ 569,639.51 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ 16,127.63 \$ 16,127.63 \$ 16,127.63



Diameter: 60"

Length: 80'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate: \$937,466** 





#### **2023 STORMWATER SPLOST**

**266 Callaway Rd**Category II, Tier I



Project Cost Estimate				
Design / Engineering	\$	88,758		
Right of Way Acquisition	\$	55,000		
Environmental	\$	15,000		
Utility Relocation	\$	16,128		
Construction	\$	762,581		
Total Cost Estimate	\$	937,466		



Roadway Construction Pavement (SF) Curb and Gutter (LF) Drain Inlet (EA) 4" Sidewalk (SY)	Removal Unit Cost \$ 1.46	Installation Unit Cost \$ 9.47	Amount 864.00	Total Cost \$ 9,443.52 \$ - \$ -
Guardrail (LF) End Anchorage (EA) Subtotal		\$ 49.09 \$ 2,028.50	600.00 2.00	\$ 29,455.20 \$ 4,057.00 \$ 42,955.72
Grading Complete (5% of Rwy Items & Drng Total \$)				\$ 31,796.15
Roadway Total				\$ 74,751.87
Drainage Trench Excavation (CY)	Removal Unit Cost	Installation Unit Cost \$ 12.98	Amount 853.33	Total Cost \$ 11,076.27
60" CMP (LF) 84" RCP	\$ 30.75		80.00 0.00	\$ 7,380.00
Class A Conc (CY) Steel (lb)		\$ 1,850.86 \$ 2.45		\$485,739.70 \$74,048.80
Pipe Bedding (CY) Trench Backfill (CY)		\$ 60.75 \$ 3.74	97.20 873.47	\$ 5,904.90
Trench Compaction (CY)		\$ 7.95	698.77	
Drainage Total				\$ 592,967.31
Signing and Marking Permanent Striping (LF)		Installation Unit Cost \$ 1.56	Amount 0.00	Total Cost \$ -
Signing and Marking Total				\$ -
Staging		Installation Unit Cost	Amount	Total Cost
Clearing and Grubbing (Acre) Temporary Pavement		\$ 26,500.00	0.10	\$ 2,650.00 \$ -
Temporary Drainage (Stream Diversion)		\$ 5,064.24	1.00	
Staging Total				\$ 7,714.24
Erosion Control		Installation Unit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)		\$ 5.49	224.00	\$ 1,229.76
Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF)		\$ 5.49 \$ 1,061.28 \$ 5.50	224.00 0.00 640.00	\$ 1,229.76 \$ - \$ 3,520.00
Fine Grading and Seeding (SY) Temporary Grassing (AC)		\$ 5.49 \$ 1,061.28 \$ 5.50 \$ 15.14 \$ 1.97	224.00 0.00	\$ 1,229.76 \$ - \$ 3,520.00 \$ 9,689.60
Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY)		\$ 5.49 \$ 1,061.28 \$ 5.50 \$ 15.14 \$ 1.97 \$ 12.22	224.00 0.00 640.00 640.00 213.33 213.33	\$ 1,229.76 \$ - \$ 3,520.00 \$ 9,689.60 \$ 420.27 \$ 2,606.93
Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY)		\$ 5.49 \$ 1,061.28 \$ 5.50 \$ 15.14 \$ 1.97 \$ 12.22 \$ 2,935.65 \$ 129.93	224.00 0.00 640.00 640.00 213.33 213.33 0.00 96.00	\$ 1,229.76 \$ - \$ 3,520.00 \$ 9,689.60 \$ 420.27 \$ 2,606.93 \$ - \$ 12,473.28
Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC)		\$ 5.49 \$ 1,061.28 \$ 5.50 \$ 15.14 \$ 1.97 \$ 12.22 \$ 2,935.65	224.00 0.00 640.00 640.00 213.33 213.33 0.00	\$ 1,229.76 \$ - \$ 3,520.00 \$ 9,689.60 \$ 420.27 \$ 2,606.93 \$ - \$ 12,473.28 \$ 720.00
Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY)		\$ 5.49 \$ 1,061.28 \$ 5.50 \$ 15.14 \$ 1.97 \$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	224.00 0.00 640.00 640.00 213.33 213.33 0.00 96.00 96.00	\$ 1,229.76 \$ - \$ 3,520.00 \$ 9,689.60 \$ 420.27 \$ 2,606.93 \$ - \$ 12,473.28 \$ 720.00
Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)		\$ 5.49 \$ 1,061.28 \$ 5.50 \$ 15.14 \$ 1.97 \$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	224.00 0.00 640.00 640.00 213.33 213.33 0.00 96.00 96.00	\$ 1,229.76 \$ - \$ 3,520.00 \$ 9,689.60 \$ 420.27 \$ 2,606.93 \$ - \$ 12,473.28 \$ 720.00 \$ -
Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)		\$ 5.49 \$ 1,061.28 \$ 5.50 \$ 15.14 \$ 1.97 \$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	224.00 0.00 640.00 640.00 213.33 213.33 0.00 96.00 96.00	\$ 1,229.76 \$ - \$ 3,520.00 \$ 9,689.60 \$ 420.27 \$ 2,606.93 \$ - \$ 12,473.28 \$ 720.00 \$ - \$ 30,659.84
Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total		\$ 5.49 \$ 1,061.28 \$ 5.50 \$ 15.14 \$ 1.97 \$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	224.00 0.00 640.00 640.00 213.33 213.33 0.00 96.00 96.00	\$ 1,229.76 \$ - \$ 3,520.00 \$ 9,689.60 \$ 420.27 \$ 2,606.93 \$ - \$ 12,473.28 \$ 720.00 \$ - \$ 30,659.84
Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Phone Cable	Removal Unit Cost	\$ 5.49 \$ 1,061.28 \$ 5.50 \$ 15.14 \$ 1.97 \$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50	224.00 0.00 640.00 640.00 213.33 213.33 0.00 96.00 96.00	\$ 1,229.76 \$ 3,520.00 \$ 9,689.60 \$ 420.27 \$ 2,606.93 \$ - \$ 12,473.28 \$ 720.00 \$ - \$ 30,659.84 \$ 706,093.26
Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Phone Cable Gas 4" main	Removal Unit Cost	\$ 5.49 \$ 1,061.28 \$ 5.50 \$ 15.14 \$ 1.97 \$ 12.22 \$ 2,935.65 \$ 7.50 \$ 74.85	224.00 0.00 640.00 640.00 213.33 213.33 0.00 96.00 96.00 0.00	\$ 1,229.76 \$ 3,520.00 \$ 9,689.60 \$ 420.27 \$ 2,606.93 \$ 12,473.28 \$ 720.00 \$ - \$ 30,659.84 \$ 706,093.26 \$ 56,487.46
Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Phone Cable Gas 4" main Water 8" main		\$ 5.49 \$ 1,061.28 \$ 5.50 \$ 15.14 \$ 1.97 \$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85	224.00 0.00 640.00 640.00 213.33 213.33 0.00 96.00 9.00 0.00	\$ 1,229.76 \$ 3,520.00 \$ 9,689.60 \$ 420.27 \$ 2,606.93 \$ 12,473.28 \$ 720.00 \$ - \$ 30,659.84 \$ 706,093.26 \$ 56,487.46 \$ 762,580.72 Total Cost
Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Phone Cable Gas 4" main Water	\$ 20.63	\$ 5.49 \$ 1,061.28 \$ 5.50 \$ 15.14 \$ 1.97 \$ 12.22 \$ 2,935.65 \$ 77.50 \$ 74.85	224.00 0.00 640.00 640.00 213.33 213.33 0.00 96.00 9.00 0.00	\$ 1,229.76 \$ 3,520.00 \$ 9,689.60 \$ 420.27 \$ 2,606.93 \$ -20.00 \$ 720.00 \$ 30,659.84 \$ 706,093.26 \$ 56,487.46 \$ 762,580.72 Total Cost
Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Phone Cable Gas 4" main Water 8" main Relocate Fire Hydrant (EA)	\$ 20.63	\$ 5.49 \$ 1,061.28 \$ 5.50 \$ 15.14 \$ 1.97 \$ 12.22 \$ 2,935.65 \$ 129.93 \$ 7.50 \$ 74.85	224.00 0.00 640.00 640.00 213.33 213.33 0.00 96.00 9.00 0.00	\$ 1,229.76 \$ 3,520.00 \$ 9,689.60 \$ 420.27 \$ 2,606.93 \$ 720.00 \$ 12,473.28 \$ 720.00 \$ 56,487.46 \$ 766,093.26 \$ 56,487.46 \$ 762,580.72 Total Cost \$ 16,127.63 \$ 16,127.63 \$ Total Cost



Diameter: 72"

Length: 70'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate:** \$655,207





#### **2023 STORMWATER SPLOST**

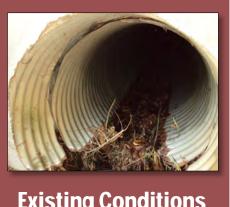
# **364 Chappell Rd**Category II, Tier I



Project Cost Estimate				
Design / Engineering	\$	51,382		
Right of Way Acquisition	\$	81,250		
Environmental	\$	12,500		
Utility Relocation	\$	46,254		
Construction	\$	463,821		
Total Cost Estimate	\$	655,207		



Roadway Construction	Remova	I Unit Cost	Installation U	Init Cost	Amount	To	otal Cost
Pavement (SF)	\$	1.46	\$	9.74	432.00	\$	4,838.40
Curb and Gutter (LF)					0.00	\$	-
Drain Inlet (EA)					0.00	\$	-
4" Sidewalk (SY)					0.00	\$	-
Guardrail (LF)	\$	16.99	\$	61.36	625.00	\$	48,968.75
End Anchorage (EA)			\$	2,028.05	2.00	\$	4,056.10
Subtotal						\$	57,863.25
Grading Complete (5% of Rwy Items & Drng Total \$)						\$	18,493.13
Roadway Total						\$	76,356.38
Drainage	Remova	I Unit Cost	Installation U		Amount		otal Cost
Trench Excavation (CY)			\$	12.88	606.67	\$	7,813.87
72" CMP (LF)	\$	78.75			70.00		16,537.50
72" RCP (LF)			•	4 050 00	0.00		-
Class A Conc (CY)			\$	1,850.86			245,257.46
Steel (lb)			\$	2.45	13,383.00		
Pipe Bedding (CY)			\$	60.75	48.00		2,916.00
Trench Backfill (CY)			\$ \$	3.74	662.33		2,473.82
Trench Compaction (CY)			Ф	7.95	529.87	ф	4,212.44
Drainage Total						\$ 3	311,999.43
Signing and Marking			Installation	Init Cost	Λ mount	т.	otal Cost
Signing and Marking Permanent Striping (LF)			Installation U	1.56	Amount 72.00	\$	112.32
Tomation outping (LF)			Ψ	1.50	12.00	φ	112.32
Signing and Marking Total						\$	112.32
Staging			Installation U	Init Cost	Amount	To	otal Cost
Clearing and Grubbing (Acre)			\$	26,500.00	0.10	\$	2,650.00
Temporary Gravel Road (SY)			\$	19.28	977.78	\$	18,851.56
Temporary Drainage (Stream Diversion)			\$	5,064.24	1.00	\$	5,064.24
Staging Total						\$	26,790.44
Erosion Control			Installation U	Init Cost	Amount	To	otal Cost
Fine Grading and Seeding (SY)			\$	5.49	92.00	\$	505.08
Temporary Grassing (AC)			\$	1,061.28	0.00	\$	-
Type C Silt Fence (LE)			•	5.50	200.00		
Type C Silt Fence (LF)			\$	5.50	280.00	\$	1,540.00
Check Dam Type C Silt Fence (LF)			\$ \$	15.14	280.00		1,540.00 4,239.20
						\$	
Check Dam Type C Silt Fence (LF)			\$ \$ \$	15.14	280.00	\$	4,239.20
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY)			\$ \$ \$	15.14 1.97	280.00 93.33	\$	4,239.20 183.87
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY)			\$ \$ \$ \$	15.14 1.97 12.22	280.00 93.33 93.33	\$ \$ \$	4,239.20 183.87
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC)			\$ \$ \$	15.14 1.97 12.22 2,935.65	280.00 93.33 93.33 0.00	\$ \$ \$ \$	4,239.20 183.87 1,140.53
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY)			\$ \$ \$ \$	15.14 1.97 12.22 2,935.65 129.93	280.00 93.33 93.33 0.00 48.00	\$ \$ \$ \$ \$	4,239.20 183.87 1,140.53 - 6,236.64
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$ \$ \$ \$	15.14 1.97 12.22 2,935.65 129.93 7.50	280.00 93.33 93.33 0.00 48.00 48.00	\$ \$ \$ \$ \$ \$	4,239.20 183.87 1,140.53 - 6,236.64 360.00
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total			\$ \$ \$ \$ \$	15.14 1.97 12.22 2,935.65 129.93 7.50	280.00 93.33 93.33 0.00 48.00 48.00	\$ \$ \$ \$ \$ \$ \$	4,239.20 183.87 1,140.53 - 6,236.64 360.00 - 14,205.32
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$ \$ \$ \$	15.14 1.97 12.22 2,935.65 129.93 7.50	280.00 93.33 93.33 0.00 48.00 48.00	\$ \$ \$ \$ \$ \$ \$	4,239.20 183.87 1,140.53 - 6,236.64 360.00
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total			\$ \$ \$ \$ \$	15.14 1.97 12.22 2,935.65 129.93 7.50	280.00 93.33 93.33 0.00 48.00 48.00	\$ \$ \$ \$ \$ \$ \$ \$	4,239.20 183.87 1,140.53 - 6,236.64 360.00 - 14,205.32 429,463.89
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)			\$ \$ \$ \$ \$	15.14 1.97 12.22 2,935.65 129.93 7.50	280.00 93.33 93.33 0.00 48.00 48.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,239.20 183.87 1,140.53 - 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total			\$ \$ \$ \$ \$ \$ \$ \$	15.14 1.97 12.22 2,935.65 129.93 7.50 74.85	280.00 93.33 93.33 0.00 48.00 0.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation	Remova	l Unit Cost	\$ \$ \$ \$ \$	15.14 1.97 12.22 2,935.65 129.93 7.50 74.85	280.00 93.33 93.33 0.00 48.00 48.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,239.20 183.87 1,140.53 - 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation U	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85	280.00 93.33 93.33 0.00 48.00 0.00	\$\$\$\$\$\$\$\$\$ \$\$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial	\$	13.75	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation U \$	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85	280.00 93.33 93.33 0.00 48.00 0.00	\$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried	\$ \$	13.75 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  Installation U \$	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85	280.00 93.33 93.33 0.00 48.00 0.00	\$\$\$\$\$\$\$\$ \$\$ \$ \$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole	\$	13.75	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation U \$	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85	280.00 93.33 93.33 0.00 48.00 0.00	\$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone	\$ \$ \$	13.75 20.63 103.13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation U \$ \$	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25	280.00 93.33 93.33 0.00 48.00 0.00	\$\$\$\$\$\$\$\$\$ \$ \$ \$ \$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial	\$ \$ \$	13.75 20.63 103.13 13.75	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  Installation U \$ \$ \$ \$	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75	280.00 93.33 93.33 0.00 48.00 0.00	\$\$\$\$\$\$\$\$\$ \$\$ \$ \$ \$ \$ \$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11 463,821.00 otal Cost
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried  Wooden Pole Phone Aerial Buried	\$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  Installation U \$ \$ \$ \$ \$ \$	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75 103.13	280.00 93.33 93.33 0.00 48.00 0.00	\$\$\$\$\$\$\$\$\$\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Buried Wooden Pole	\$ \$ \$	13.75 20.63 103.13 13.75	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  Installation U \$ \$ \$ \$	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75	280.00 93.33 93.33 0.00 48.00 0.00	\$\$\$\$\$\$\$\$\$ \$\$ \$ \$ \$ \$ \$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11 463,821.00 otal Cost
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable	\$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	S S S S Installation U S S S S S S S S S S S S S S S S S S S	15.14 1.97 12.22 2,935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25	280.00 93.33 93.33 0.00 48.00 0.00	\$\$\$\$\$\$\$\$\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11 463,821.00 otal Cost
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial	\$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75	280.00 93.33 93.33 0.00 48.00 48.00 0.00	\$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11 463,821.00 otal Cost - - - 12,375.00
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried	\$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	15.14 1.97 12.22 2,935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75 103.13	280.00 93.33 93.33 0.00 48.00 0.00	\$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11 463,821.00 otal Cost
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial	\$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75	280.00 93.33 93.33 0.00 48.00 48.00 0.00	\$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11 463,821.00 otal Cost - - - 12,375.00
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole	\$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	15.14 1.97 12.22 2,935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75 103.13	280.00 93.33 93.33 0.00 48.00 48.00 0.00	\$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11 463,821.00 otal Cost - - - 12,375.00
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	S S S S S S S S S S S S S S S S S S S	15.14 1.97 12.22 2,935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75 103.13 756.25	280.00 93.33 93.33 0.00 48.00 48.00 0.00	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11 463,821.00 otal Cost - - - 12,375.00
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Casle	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	S S S S S S S S S S S S S S S S S S S	15.14 1.97 12.22 2,935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75 103.13 756.25	280.00 93.33 93.33 0.00 48.00 48.00 0.00	\$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11 463,821.00 otal Cost - - - 12,375.00
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75 103.13 756.25 82.50	280.00 93.33 93.33 0.00 48.00 48.00 0.00	\$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11 463,821.00 otal Cost - - - 12,375.00
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75	280.00 93.33 93.33 0.00 48.00 48.00 0.00	\$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11 463,821.00 otal Cost - - - 12,375.00
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Relocate Fire Hydrant (EA) Sewer 12" main	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25	280.00 93.33 93.33 0.00 48.00 48.00 0.00 Amount  0.00  100.00	\$	4,239.20 183.87 1,140.53 6,236.64 360.00 - 14,205.32 429,463.89 34,357.11 463,821.00 otal Cost - - 12,375.00 - 12,375.00
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Relocate Fire Hydrant (EA) Sewer	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	S S S S S S S S S S S S S S S S S S S	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25 82.50	280.00 93.33 93.33 0.00 48.00 48.00 0.00 Amount  0.00  100.00  100.00  0.00	\$	4,239.20 183.87 1,140.53 6,236.64 360.00 
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	S S S S S S S S S S S S S S S S S S S	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25 82.50	280.00 93.33 93.33 0.00 48.00 48.00 0.00  100.00  100.00  100.00 0.00 0	\$	4,239.20 183.87 1,140.53 6,236.64 360.00  14,205.32 429,463.89 34,357.11 463,821.00 otal Cost  12,375.00  12,375.00  21,503.50  46,253.50
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total  Right of Way (Sq Ft)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	15.14 1.97 12.22 2,935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25 82.50 194.41 5,665.63	280.00 93.33 93.33 0.00 48.00 48.00 0.00  100.00  100.00  100.00 0.00 0	\$	4,239.20 183.87 1,140.53 6,236.64 360.00 14,205.32 429,463.89 34,357.11 463,821.00 otal Cost 12,375.00 21,503.50 21,503.50 46,253.50 otal Cost
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	S S S S S S S S S S S S S S S S S S S	15.14 1.97 12.22 2.935.65 129.93 7.50 74.85 Init Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25 82.50	280.00 93.33 93.33 0.00 48.00 48.00 0.00  100.00  100.00  100.00 0.00 0	\$	4,239.20 183.87 1,140.53 6,236.64 360.00 



Diameter: 36"

Length: 100'

**Material: Corrugated Metal Pipe (CMP)** 

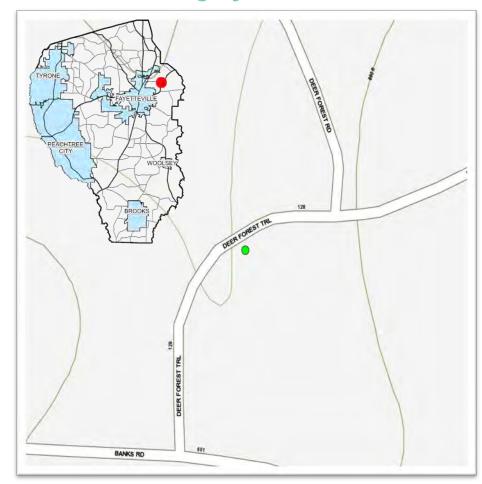
**Project Cost Estimate:** \$246,031





#### **2023 STORMWATER SPLOST**

#### **120 Deer Forest Trial Category II, Tier I**



Project Cost Estimate					
Design / Engineering	\$	21,065			
Right of Way Acquisition	\$	25,000			
Environmental	\$	10,000			
Utility Relocation	\$	29,314			
Construction	\$	160,651			
Total Cost Estimate	\$	246,031			



Roadway Construction	Remov	al Unit Cost	Installation Unit Cost	Amount	Total Cost
Pavement (SF)	\$	1.46	\$ 9.74		\$ 1,612.
, ,					
Curb and Gutter (LF)	\$	11.25	\$ 50.00		\$ 1,225.
Drain Inlet (EA)			\$ 3,625.00	2.00	\$ 7,250.
4" Sidewalk (SY)				0.00	\$ -
,					
Guardrail (LF)				0.00	\$ -
End Anchorage (EA)				0.00	\$ -
Subtotal					\$ 10,087.
Subiolai					φ 10,06 <i>1</i> .
Grading Complete (5% of Rwy Items & Drng Total \$)					\$ 6,114.
Roadway Total					\$ 16,202.
·					. ,
Orainage	Remov	al Unit Cost	Installation Unit Cost	Amount	Total Cost
Trench Excavation (CY)			\$ 12.98	133.33	\$ 1,730.
B6" CMP (LF)	\$	24.53		200.00	\$ 14,718.
B6" RCP \			\$ 165.83	0.00	
Class A Conc (CY)			\$ 1,850.86		\$ 82,566.
• ,					
Steel (lb)				4,295.00	
Pipe Bedding (CY)			\$ 60.75	22.70	\$ 1,379.
Trench Backfill (CY)			\$ 3.74	127.97	\$ 477.
rench Compaction (CY)			\$ 7.95	102.37	\$ 813.
					£ 112 200
Orainage Total					\$ 112,209.
Signing and Marking			Installation Unit Cost	Amount	Total Cost
Permanent Striping (LF)			\$ 1.56	0.00	\$ -
Signing and Marking Total					\$ -
NA			last-llst. II ii o	A	T-4 1 0
Staging			Installation Unit Cost	Amount	Total Cost
Clearing and Grubbing (Acre)			\$ 26,500.00	0.10	\$ 2,650.
Temporary Pavement					\$ -
remporary Drainage (Stream Diversion)			\$ 5,064.24	1.00	\$ 5,064.
			* *******		,
Staging Total					\$ 7,714.
Erosion Control			Installation Unit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)			\$ 5.49		\$ 278.
Геmporary Grassing (AC)			\$ 1,061.28		\$ -
Гуре C Silt Fence (LF)			\$ 5.50	400.00	\$ 2,200.
Check Dam Type C Silt Fence (LF)			\$ 15.14	400.00	\$ 6,056.
Erosion Control Mats (SY)			\$ 1.97		
Landscape Mulch (SY)			\$ 12.22		
. , ,					1 1
Perm Grassing (AC)			\$ 2,935.65		\$ -
Rip Rap Type 3 12" (SY)			\$ 129.93	16.00	\$ 2,078.
Plastic Filter Fabric (SY)			\$ 7.50	16.00	\$ 120.
I" Ditch Paving (SY)			\$ 74.85		
<u> </u>			Ψσ	0.00	
Erosion Control Total					\$ 12,625.
Construction Cost Total					\$ 148,751.
Fraffic Control (8% of Construction Total \$)					\$ 11,900.
Construction Cost Grand Total					\$ 160,651.
Sonstituction Cost Grand Total					Ψ 100,051.
Itility Relocation	Remov	al Unit Cost	Installation Unit Cost	Amount	Total Cost
	\$	13.75	\$ 68.75	5	\$ -
Aerial			\$ 68.75 \$ 103.13		
Aerial Buried	\$	20.63	\$ 103.13	50.00	\$ 6,187.
Aerial Buried Wooden Pole				50.00	
Aerial Buried Wooden Pole Phone	\$ \$	20.63 103.13	\$ 103.13 \$ 756.25	50.00	\$ 6,187. \$ -
Aerial Buried Vooden Pole Phone Aerial	\$ \$	20.63 103.13 13.75	\$ 103.13 \$ 756.25 \$ 68.75	50.00	\$ 6,187. \$ -
Aerial Buried Wooden Pole Phone Aerial Buried	\$ \$ \$	20.63 103.13 13.75 20.63	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	50.00 5 5 5 50.00	\$ 6,187. \$ - \$ 6,187.
Aerial Buried Wooden Pole Phone Aerial Buried	\$ \$	20.63 103.13 13.75	\$ 103.13 \$ 756.25 \$ 68.75	50.00 5 5 5 50.00	\$ 6,187. \$ -
Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole	\$ \$ \$	20.63 103.13 13.75 20.63	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	50.00 5 5 5 50.00	\$ 6,187. \$ - \$ 6,187.
Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial	\$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	50.00 5 5 5 5 5 5 5 5 5	\$ 6,187. \$ - \$ 6,187. \$ -
Aerial Buried Vooden Pole Phone Aerial Buried Vooden Pole Zable	\$ \$ \$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13 13.75	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	50.00 5 5 5 5 5 5 5 5	\$ 6,187. \$ - \$ 6,187. \$ -
Aerial Suried Vooden Pole Phone Aerial Buried Vooden Pole Cable Aerial Buried	\$ \$ \$ \$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	50.00 5 5 50.00 5 50.00	\$ 6,187. \$ 6,187. \$ 6,187. \$ - \$ 6,187.
Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole	\$ \$ \$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13 13.75	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	50.00 5 5 50.00 5 50.00	\$ 6,187. \$ - \$ 6,187. \$ -
Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Carial Buried Wooden Pole Carial Buried Wooden Pole Gasa	\$ \$ \$ \$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25	50.00 5 50.00 6 50.00 6 50.00	\$ 6,187. \$ - \$ 6,187. \$ - \$ 6,187. \$ -
Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Lerial Buried Wooden Pole Carial Buried Wooden Pole Gas Wooden Pole	\$ \$ \$ \$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	50.00 5 50.00 6 50.00 6 50.00	\$ 6,187. \$ 6,187. \$ 6,187. \$ - \$ 6,187.
Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Carial Buried Wooden Pole Gas  "" main	\$ \$ \$ \$ \$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 82.50	50.00 5 50.00 5 50.00 5 50.00	\$ 6,187. \$ - \$ 6,187. \$ - \$ 6,187. \$ -
Aerial Suried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Casle Aerial Buried Wooden Pole Gas I'' main	\$ \$ \$ \$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.15 \$ 756.25 \$ 82.50 \$ 194.41	50.00 5 50.00 5 50.00 5 50.00	\$ 6,187. \$ \$ 6,187. \$ \$ 6,187. \$ \$ 10,751.
Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Wooden Pole Gas I' main Water J' main Relocate Fire Hydrant (EA)	\$ \$ \$ \$ \$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 82.50	50.00 50 50 50 50 50 50 50	\$ 6,187. \$ - \$ 6,187. \$ - \$ 6,187. \$ -
Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Carial Buried Wooden Pole Gas  J' main Water Water S' main Relocate Fire Hydrant (EA)	\$ \$ \$ \$ \$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.44 \$ 5,665.63	50.00 50 50.00 50.00 50.00 50.00	\$ 6,187. \$ 6,187. \$ 6,187. \$ 6,187. \$ 5 6,187. \$ 10,751.
Aerial Buried Vooden Pole Phone Aerial Buried Vooden Pole Cable Aerial Buried Vooden Pole Cable Aerial Buried Vooden Pole Cas Buried Vooden Pole Cas " main Vater " main Relocate Fire Hydrant (EA)	\$ \$ \$ \$ \$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.15 \$ 756.25 \$ 82.50 \$ 194.41	50.00 50 50.00 50.00 50.00 50.00	\$ 6,187. \$ - \$ 6,187. \$ - \$ 6,187. \$ - \$ 10,751. \$ -
Aerial Suried Vooden Pole Phone Aerial Suried Vooden Pole Cable Cerial Suried Vooden Pole Cable Cerial Suried Vooden Pole Cas Cas " main Vater " main Relocate Fire Hydrant (EA)	\$ \$ \$ \$ \$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.44 \$ 5,665.63	50.00 50 50.00 50.00 50.00 50.00	\$ 6,187. \$ 6,187. \$ 6,187. \$ 6,187. \$ 5 6,187. \$ 10,751.
erial uried Vooden Pole hone erial uried Vooden Pole sable erial uried Vooden Pole sable "main vooden Pole ias " main telocate Fire Hydrant (EA) ewer 2" main	\$ \$ \$ \$ \$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.44 \$ 5,665.63	50.00 50 50.00 50.00 50.00 50.00	\$ 6,187. \$ - \$ 6,187. \$ - \$ 6,187. \$ - \$ 10,751. \$ -
Acrial Buried Vooden Pole Phone Rerial Buried Vooden Pole Buried Voode	\$ \$ \$ \$ \$ \$ \$ \$ \$	20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.41 \$ 5,665.63 \$ 82.50	50.00 50 50.00 50.00 50.00 50.00 50.00	\$ 6,187. \$ 6,187. \$ 6,187. \$ 6,187. \$ - \$ 10,751. \$ 29,314.



Diameter: 18"

Length: 45'

Material: Corrugated Metal Pipe (CMP)

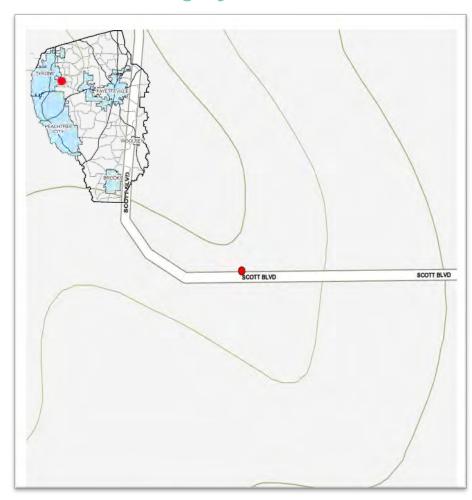
**Project Cost Estimate:** \$155,256





#### **2023 STORMWATER SPLOST**

**160 Scott Blvd.** Category II, Tier I



Project Cost Estimate				
Design / Engineering	\$	20,946		
Right of Way Acquisition	\$	10,000		
Environmental	\$	15,000		
Utility Relocation	\$	24,846		
Construction	\$	84,464		
Total Cost Estimate	\$	155,256		



Roadway Construction Pavement (SF)	Removal Ur	nit Cost 1.46	Installation U	nit Cost 9.74	Amount 126.00	Total Cost \$ 1,411.20
Curb and Gutter (LF) Drain Inlet (EA)	Ť		•	· · ·	0.00	\$ - \$ -
4" Sidewalk (SY)	\$	43.75	\$	82.03	20.00	\$ 2,515.60
Guardrail (LF) End Anchorage (EA)					0.00	\$ - \$ -
Subtotal						\$ 3,926.80
Grading Complete (5% of Rwy Items & Drng Total \$)						\$ 3,005.43
Roadway Total						\$ 6,932.23
Drainage	Removal Ur	nit Cost	Installation U		Amount	Total Cost
Trench Excavation (CY) 18" CMP (LF)	\$	7.17	\$	12.98	150.00 50.00	\$ 1,947.00 \$ 1,075.50
18" RCP	•		\$	98.84	0.00	\$ -
Class A Conc (CY) Steel (lb)			\$ \$	1,850.86 2.45		\$ 45,457.12 \$ 5,363.05
Pipe Bedding (CY)			\$	60.75	11.60	\$ 704.70
Trench Backfill (CY) Trench Compaction (CY)			\$ \$	3.74 7.95	161.90 129.52	\$ 604.70 \$ 1,029.68
Drainage Total						\$ 56,181.75
Signing and Marking			Installation U	nit Cost	Amount	Total Cost
Permanent Striping (LF)			\$	1.56	0.00	\$ -
Signing and Marking Total						\$ -
			Installation I I	nit Cost	Amount	Total Cost
Staging Clearing and Grubbing (Acre)			Installation U \$ 2	26,500.00	Amount 0.10	Total Cost \$ 2,650.00
Temporary Pavement Temporary Drainage (Stream Diversion)			\$	5,064.24	1.00	\$ - \$ 5,064.24
, , , , ,			Ψ	5,004.24	1.00	
Staging Total						\$ 7,714.24
Erosion Control			Installation U	nit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)			\$	5.49	19.33	\$ 106.14
Temporary Grassing (AC) Type C Silt Fence (LF)			\$ \$	1,061.28 5.50	0.00 200.00	\$ - \$ 1,100.00
Check Dam Type C Silt Fence (LF)			\$	15.14	200.00	\$ 3,028.00
Erosion Control Mats (SY)			\$	1.97	66.67	\$ 131.33
Landscape Mulch (SY) Perm Grassing (AC)			\$ \$	12.22 2,935.65	66.67 0.00	\$ 814.67 \$ -
Rip Rap Type 3 12" (SY)			\$	129.93	16.00	\$ 2,078.88
Plastic Filter Fabric (SY)			\$	7.50	16.00	\$ 120.00
4" Ditch Paving (SY)			\$	74.85	0.00	
Erosion Control Total						\$ 7,379.02
Construction Cost Total						\$78,207.24
Traffic Control (8% of Construction Total \$)						\$ 6,256.58
Construction Cost Grand Total						\$84,463.82
Utility Relocation	Removal Ur	nit Cost	Installation U	nit Cost	Amount	Total Cost
Electric Aerial	\$	13.75	\$	68.75	50.00	\$ 4,125.00
Buried	\$	20.63	\$	103.13	0.00	\$ -
Wooden Pole	\$	103.13	\$	756.25	2.00	\$ 1,718.75
Phone Aerial	\$	13.75	\$	68.75	50.00	\$ 4,125.00
Buried	\$	20.63	\$	103.13	0.00	
Wooden Pole	\$	103.13	\$	756.25	0.00	\$ -
Cable Aerial	\$	13.75	\$	68.75	50.00	\$ 4,125.00
Buried	\$	20.63	\$	103.13	0.00	
Wooden Pole	\$	103.13	\$	756.25	0.00	
Gas 4" main	\$	20.63	\$	82.50	0.00	\$ -
Water	œ.	20.02	•	104.44	50.00	¢ 40 754 75
8" main Relocate Fire Hydrant (EA)	\$	20.63	\$ \$	194.41 5,665.63	50.00	\$ 10,751.75 \$ -
Sewer	¢	61 65	¢		0.00	
12" main Utility Relocation Total	\$	61.65	\$	103.28	0.00	\$ 24,845.50
Right of Way (Sq Ft)						
riight or way (oq 1 t)			Cost/ Sa Et		Sa Et	Total Cost
Permanent Easement			Cost/ Sq Ft \$	5.00	Sq Ft 2,000.00	Total Cost \$ 10,000.00



**503 Westbridge Drive Category II, Tier I** 

<b>Project Cost Estimate:</b>	
\$205,869	





Project Cost Estimate						
Design / Engineering	\$	20,252				
Right of Way Acquisition	\$	12,000				
Environmental	\$	12,500				
Utility Relocation	\$	8,601				
Construction	\$	152,516				
Total Cost Estimate	\$	205,869				



#### Roadway Construction, Utility Relocation and ROW Quantity Calculations

Roadway Construction, Utility Relocation and ROW Quantity Calculations								
Roadwa	ay Construction	Re	emoval Unit	ı	nstallation Unit	Amount		Total Cost
Pavement (SF) Curb and Gutter (LF)		\$ \$	1.46 11.25	\$	9.74 50.00	168.00 20.00	\$	1,881.60 1,225.00
Drain Inlet (EA) DWCB			943.06	\$	5,027.02	2.00	\$ \$ \$	- 11,940.16 -
Subtotal							\$ \$	- 15,046.76
Grading Complete (5%	6 of Rwy Items & Drng Total \$)						\$	5,887.28
Roadway Total							\$	20,934.04
	Drainage	Re	emoval Unit Cost	ı	nstallation Unit Cost	Amount		Total Cost
Trench Excavation (C' 48" CMP (LF)	Y)	\$	30.75	\$	12.98	93.33 45.00	\$	1,211.47 4,151.25
18" CMP (LF) Class A Conc (CY) Steel (lb)		\$	7.17	\$	1,850.86 2.45	45.00 47.85 2529.50	\$	967.95 88,563.65 6,197.28
Pipe Bedding (CY)				\$	60.75	12.20	\$	741.15
Trench Backfill (CY) Trench Compaction (C	CY)			\$ \$	3.74 7.95		\$ \$	320.46 545.69
Drainage Total							\$	102,698.89
Signin	g and Marking			ı	nstallation Unit Cost	Amount		Total Cost
Permanent Striping (L	F)			\$	1.56	0	\$	-
Signing a	and Marking Total						\$	=
	Staging			ı	nstallation Unit Cost	Amount		Total Cost
Clearing and Grubbing Temporary Pavement	g (Acre)			\$	26,500.00	0.20	\$	5,300.00 0
Temporary Drainage (	Stream Diversion)			\$	5,064.24	1.00	\$	5,064.24
Staging Total							\$	10,364.24
Eros	sion Control			ı	nstallation Unit Cost	Amount		Total Cost
Fine Grading and See Temporary Grassing (				\$ \$	5.49 1,061.28	16.33 0.00		89.67
Type C Silt Fence (LF	)			\$	5.50	180.00	\$	990.00
Check Dam Type C Si Erosion Control Mats (				\$ \$	15.14 1.97	180.00 60.00		2,725.20 118.20
Landscape Mulch (SY Perm Grassing (AC)	)			\$ \$	12.22 2,935.65	60.00 0.00		733.20
Rip Rap Type 3 12" (S				\$	129.93		\$	2,425.36
Plastic Filter Fabric (S 4" Ditch Paving (SY)	Υ)			\$ \$	7.50 74.85	18.67 0.00	\$ \$	140.00
Erosion Control Tota	ıl						\$	7,221.63
Construction Cost To	otal						\$	141,218.81
Traffic Control (8% o	f Construction Total \$)						\$	11,297.50
Construction Cos	st Grand Total						\$	152,516.31
Utili	ty Relocation	Re	emoval Unit Cost	ı	nstallation Unit Cost	Amount		Total Cost
Aerial	Electric	\$	13.75		68.75		\$	-
Buried Wooden Pole	Phone	\$ \$	20.63 103.13	\$ \$	103.13 756.25		\$ \$	-
Aerial	FIIOIR	\$	13.75		68.75		\$	-
Buried Wooden Pole		\$ \$	20.63 103.13	\$ \$	103.13 756.25		\$ \$	-
Aerial	Cable	\$	13.75		68.75		\$	-
Buried Wooden Pole		\$ \$	20.63 103.13	\$ \$	103.13 756.25		\$ \$	-
4" main	Gas	\$	20.63	\$	82.50		\$	-
8" main	Water	\$	20.63	\$	194.41	40	\$	8,601.40
Relocate Fire Hydrant	(EA) Sewer			\$	5,665.63	0	\$	-
12" main Utility Relocation	Total	\$	61.65	\$	103.28	0.00	\$ <b>\$</b>	8,601.40
Right of Way (Sq Ft)				Со	st/ Sq Ft	Sq Ft	Γota	al Cost
Permanent Easement ROW Total				\$	5.00		\$ <b>\$</b>	12,000.00 12,000.00
							-	,



Diameter: 54"

Length: 45'

**Material: Corrugated Metal Pipe (CMP)** 

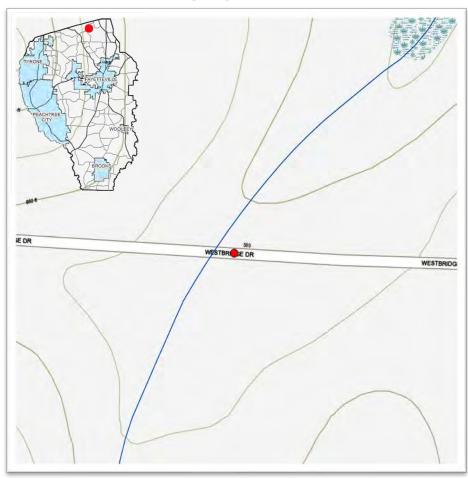
**Project Cost Estimate:** \$147,517





#### **2023 STORMWATER SPLOST**

**517 Westbridge Drive Category II, Tier I** 



Project Cost Estimate						
Design / Engineering	\$	14,006				
Right of Way Acquisition	\$	10,000				
Environmental	\$	10,000				
Utility Relocation	\$	23,451				
Construction	\$	90,060				
Total Cost Estimate	\$	147,517				



Roadway Construction Pavement (SF) Curb and Gutter (LF) Drain Inlet (EA) 4" Sidewalk (SY) Guardrail (LF) End Anchorage (EA) Subtotal	Removal Uni \$ \$	1.46 11.25	Installation Un \$ \$	it Cost 9.74 50.00	Amount 168.00 20.00 0.00 0.00 0.00 0.00	Total Cost \$ 1,881.60 \$ 1,225.00 \$ - \$ - \$ - \$ 3,106.60
Grading Complete (5% of Rwy Items & Drng Total \$)						\$ 3,259.65
Roadway Total						\$ 6,366.25
Drainage Trench Excavation (CY)	Removal Uni	it Cost	Installation Un	it Cost 12.98	Amount 99.17	Total Cost \$ 1,287.18
54" CMP (LF)	\$	30.75			45.00	\$ 1,383.75
54" RCP Class A Conc (CY)			\$ \$	285.05 1,850.86	0.00 27.85	\$ - \$ 51,537.20
Steel (lb) Pipe Bedding (CY)			\$ \$	2.45 60.75	2,529.50 12.20	\$ 6,197.28 \$ 741.15
Trench Backfill (CY)			\$	3.74	93.09	\$ 347.70
Trench Compaction (CY)			\$	7.95	74.47	\$ 592.06
Drainage Total						\$62,086.32
Signing and Marking Permanent Striping (LF)			Installation Un	it Cost 1.56	Amount 0.00	Total Cost \$ -
Permanent Striping (LF)			Φ	1.56	0.00	Φ -
Signing and Marking Total						\$ -
Staging			Installation Un		Amount	Total Cost
Clearing and Grubbing (Acre) Temporary Pavement			\$ 26	5,500.00	0.10	\$ 2,650.00 \$ -
Temporary Drainage (Stream Diversion)			\$	5,064.24	1.00	\$ 5,064.24
Staging Total						\$ 7,714.24
						T
Erosion Control Fine Grading and Seeding (SY)			Installation Un \$	1t Cost 5.49	Amount 16.33	Total Cost \$ 89.67
Temporary Grassing (AC)			\$	1,061.28	0.00	\$ -
Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF)			\$ \$	5.50 15.14	180.00 180.00	\$ 990.00 \$ 2,725.20
Erosion Control Mats (SY)			\$	1.97	60.00	\$ 118.20
Landscape Mulch (SY)			\$	12.22	60.00	\$ 733.20
Perm Grassing (AC) Rip Rap Type 3 12" (SY)			\$ 2 \$	2,935.65 129.93	0.00 18.67	\$ - \$ 2,425.36
Plastic Filter Fabric (SY)			\$	7.50	18.67	\$ 140.00
4" Ditch Paving (SY)			\$	74.85	0.00	\$ -
Erosion Control Total						\$ 7,221.63
Construction Cost Total						\$83,388.43
Traffic Control (8% of Construction Total \$)						\$ 6,671.07
Construction Cost Grand Total						\$ 90,059.51
Utility Relocation	Removal Uni	it Cost	Installation Un	it Cost	Amount	Total Cost
Electric Aerial	\$	13.75	\$	68.75		\$ -
Buried	\$	20.63	\$	103.13	40.00	\$ 4,950.00
Wooden Pole Phone	\$	103.13	\$	756.25		\$ -
Aerial	\$	13.75	\$	68.75		\$ -
Buried	\$	20.63	\$	103.13	40.00	\$ 4,950.00
Wooden Pole Cable	\$	103.13	\$	756.25		\$ -
Aerial	\$	13.75	\$	68.75		\$ -
Buried	\$	20.63	\$	103.13	40.00	\$ 4,950.00
Wooden Pole Gas	\$	103.13	\$	756.25		\$ -
4" main	\$	20.63	\$	82.50		\$ -
Water 8" main	\$	20.63	\$	194.41	40.00	\$ 8,601.40
Relocate Fire Hydrant (EA)	Ψ	20.03		5,665.63		\$ 6,601.40
Sewer 12" main	\$	61.65	\$	103.28	0.00 0.00	\$ -
Utility Relocation Total	<b>*</b>	000	-		5.50	\$ 23,451.40
Right of Way (Sq Ft)			Cost/ Sq Ft		Sq Ft	Total Cost
Permanent Easement			\$	5.00	2,000.00	\$10,000.00
ROW Total						\$ 10,000.00

#### **Category II, Tier II**

Project Name / Location	Proje	ct Cost Estimate
BANKSTOWN ROAD (#654)	\$	737,246.00
BRANDON MILL CIR - EAST (#140)	\$	362,389.00
BRANDON MILL CIR - NORTH (#115)	\$	265,321.00
BRANDON MILL CIR - SW (#225)	\$	648,924.00
BRANDON MILL CIR - WEST (#295)	\$	301,818.00
COASTLINE ROAD	\$	934,833.00
COUNTY LINE CT (#171)	\$	178,802.00
CRABAPPLE LANE (#178)	\$	683,914.00
DEAUVILLE WAY (#308)	\$	290,410.00
DEER TRAIL (#175)	\$	134,379.92
DEERFIELD LANE (#130)	\$	140,161.00
DEERFIELD LANE (#161)	\$	140,019.00
DERBY DRIVE (#325)	\$	255,644.00
FERNWAY DR (#133)	\$	266,401.02
FLAT CREEK TRAIL (#584)	\$	943,178.00
GRANDCHESTER WAY (#165)	\$	235,975.00
GRANT ROAD (#250)	\$	122,525.00
GRANT ROAD (#426)	\$	122,525.00
GRAVES ROAD (#226)	\$	96,320.00
GREENFIELD CIR (#130)	\$	164,625.00
GREENFIELD CIR (#250)	\$	135,799.00
GRISTMILL DRIVE (#110)	\$	265,460.00
HARTFORD PL (#100)	\$	251,996.64
HERITAGE WAY - NORTH (#120)	\$	328,313.00
HILO ROAD (#287)	\$	105,529.00
HUNTERS GLEN (#275)	\$	236,278.97
JANICE DRIVE (#510)	\$	341,319.00
JEFFERSON WOODS DRIVE CREEK (#125)	\$	310,008.84
KENWOOD ROAD (#671)	\$	149,311.00

Project Name / Location	Projec	t Cost Estimate
KINGSWOOD DRIVE (#200)	\$	136,678.00
MARRON RD (#185 & #175)	\$	89,616.00
MERRYDALE DRIVE (#330)	\$	164,606.00
MILLERS OAK WAY (#145)	\$	265,568.00
NANDOVER DR (#120)	\$	47,203.80
NORTH DRIVE (#420)	\$	230,908.00
OAK STREET (#290)	\$	100,384.00
PONDEROSA DRIVE (#190)	\$	148,710.00
RIDGEMONT DRIVE (#545)	\$	153,067.00
ROYAL RIDGE WAY	\$	390,082.00
TRICKUM CREEK ROAD (#261)	\$	589,151.00
WHITE ROAD	\$	597,310.63
YATES DR/ EASTIN RD	\$	40,393.27
Category I Total Cost Estimate	\$	12,103,103.09



Diameter: 72"

Length: 53'

**Material: Corrugated Metal Pipe (CMP)** 

**Project Cost Estimate:** \$737,246





## **2023 STORMWATER SPLOST**

## **654 Bankstown Road Category II, Tier II**



Project Cost Estimate					
Design / Engineering	\$	60,568			
Right of Way Acquisition	\$	36,000			
Environmental	\$	10,000			
Utility Relocation	\$	25,000			
Construction	\$	605,678			
Total Cost Estimate	\$	737,246			



### Roadway Construction, Utility Relocation and ROW Quantity Calculations Bankstown Rd 654

Curb and Gutter (LF)       0.00 \$       -         DWCB       0.00 \$       -         4" Sidewalk (SY)       0.00 \$       -         Guardrail (LF)       \$ 49.09 \$       600.00 \$       29.455.20         End Anchorage (EA)       \$ 2,028.50 \$       2.00 \$       4,057.00         Subtotal       \$ 42,256.20         Grading Complete (5% of Rwy Items & Drng Total \$)       \$ 26,186.85	Roadway Construction, Utility Relocation and ROW Quantity Calculations					Ja	nkstown Ka 654	
Curb and Gutter (LF)  DVC/B  A* Sidewalk (SY)  Suportrail (LF)  S 49.09  Complete (5% of Rwy Items & Drng Total \$)  Readway Total  Brainage  Trennch Excavation (CY)  S 30.75  Trennch Excavation (CY)  S 40.000  S 40.0	Roadway Construction					Amount		Total Cost
DWCB		\$ 1	1.46	\$	9.47			8,744.00
1" Sidewalk (SY) 2 Subardiarial (LF)								-
Submitted   LEP   Submitted								-
Email Authorizage (EA)   \$ 2,028.50   2.00   \$ 4,4577   \$ 2,256.20   \$ 4,4578   \$ 4,256.20   \$ 4,256.20   \$ 5			9	\$	49 09			29 455 20
Second   Complete   C95 of Rwy Items & Dring   Total   S   S   S   S   S   S   S   S   S	` '							
Paramenert Striping (LF)   Signing and Marking Total   Staging and Marking Total   Staging and Marking Total   Staging Total	Subtotal						\$	42,256.20
Parisinage	Grading Complete (5% of Rwy Items & Drng To	otal \$)					\$	26,186.85
Trenofi	Roadway Total						\$	68,443.05
Trench Excavation (CY)	Drainage					Amount		Total Cost
Table   Tabl	French Excavation (CV)	Unit Co				753.00	\$	0 773 0
Class A Conc (CY)		\$ 30		Ψ	12.50			
Class A Conc (CY)   \$ 1,850.86   213.65   \$ 3,954.362   \$ 1,000   \$ 60.2824	. 2 3 (2. )	Ψ 00	0					_,
Pipe Bedding (CY)   \$ 60.75   97.20   \$ 5.904.91   Trench Backfill (CY)   \$ 3.74   755.16   \$ 2.205.02   Trench Compaction (CY)   \$ 7.95   604.13   \$ 4.802.81	Class A Conc (CY)			\$	1,850.86	213.65	\$	395,436.2
Trench Backfill (CY)   \$ 3.74   755.16   \$ 2.820.5     Trench Compaction (CY)   \$ 7.95   604.13   \$ 4.802.8     Drainage Total	Steel (lb)			\$	2.45	24605.09	\$	60,282.4
Signing and Marking	Pipe Bedding (CY)		,	\$	60.75			5,904.9
Signing and Marking								
Signing and Marking	French Compaction (CY)		(	\$	7.95	604.13	\$	4,802.83
Signing and Marking   Signing and Marking   Signing and Marking Total   Signing and Marking Total   Signing and Marking Total   Signing and Marking Total   Signing and Grubbing (Acre)   \$26,500,00   0.25 \$6,625,00	Orainage Total						\$	481,480.90
Signing and Marking Total   Signing and Grubbing (Acre)   Signing Acre)   Signing Acre	Signing and Marking					Amount		Total Cost
Installation   Unit Cost   Unit Cost   Cost/SqFt   Sq. Ft   Total Cost   Cost/Sq. Ft	Permanent Striping (LF)		(			0	\$	-
Unit Cost	Signing and Marking Total						\$	
Unit Cost	Staning			lr	stallation	Amount		Total Cost
Emporary Pavement   Femporary Drainage (Stream Diversion)   \$ 5,064.24   \$ -								
Errosion Control	• • • · · ·		(	\$	26,500.00	0.25	\$	
Erosion Control   Installation   Unit Cost	. ,			\$	5,064.24		\$	-
Linit Cost	Staging Total						\$	6,625.0
Dinit Cost								
Fine Grading and Seeding (SY) Temporary Grassing (AC) Temporary Grassing (AC) Temporary Grassing (AC) Temporary Grassing (AC) Type C Silt Fence (LF) S 5.50 Check Dam Type C Silt Fence (LF) S 15.14 Check Dam Type C Silt Fence (LF) S 15.14 Check Dam Type C Silt Fence (LF) S 15.14 Check Dam Type C Silt Fence (LF) S 15.14 Check Dam Type C Silt Fence (LF) S 15.14 Check Dam Type C Silt Fence (LF) S 12.22 Check Dam Type C Silt Fence (LF) S 12.22 Check Dam Type C Silt Fence (LF) S 12.22 Check Dam Type C Silt Fence (LF) S 12.22 Check Dam Type C Silt Fence (LF) S 12.22 Check Dam Type C Silt Fence (LF) S 12.22 Check Dam Type C Silt Fence (LF) S 12.22 Check Dam Type C Silt Fence (LF) S 12.22 Check Dam Type C Silt Fence (LF) S 12.22 Check Dam Type C Silt Fence (LF) S 12.22 Check Dam Type C Silt Fence (LF) S 16.50 S 12.22 Check Dam Type C Silt Fence (LF) S 16.50 S 10.00 S 1.46.77 S 1.46.42 Check Dam Type C Silt Fence (LF) S 16.50 S 10.00 S 10.00 S 10.00 S 1.46.77 S 1.46.42 Check Dam Type C Silt Fence (LF) S 16.50 S 10.00 S 10.00 S 10.00 Construction Cost Grand Total Cost Dam Total Cost Dam Total Check Dam Type C Silt Sep Ft Total Cost Dam Type Cost Sep Ft Total Cost	Erosion Control					Amount		Total Cost
Type C Silt Fence (LF)	Fine Grading and Seeding (SY)					0.00	\$	-
Check Dam Type C Silt Fence (LF)	Temporary Grassing (AC)				1,061.28	0.00	\$	-
Second Control Mats (SY)	Type C Silt Fence (LF)				5.50	0.00	\$	-
Landscape Mulch (SY) \$ 12.22 0.00 \$ Perm Grassing (AC) \$ 2,935.65 0.50 \$ 1,467.8 Rip Rap Type 3 12" (SY) \$ 129.93 20.00 \$ 2,598.65 Plastic Filter Fabric (SY) \$ 7.50 20.00 \$ 150.00 4" Ditch Paving (SY) \$ 74.85 0.00 \$  Erosion Control Total \$ 4,216.4  Construction Cost Total \$ 560,765.3  Traffic Control (8% of Construction Total \$ 44,912.66    Utility Relocation   Removal Unit Cost   Unit Cost								-
Perm Grassing (AC)       \$ 2,935.655       0.50       \$ 1,467.85         Rip Rap Type 3 12" (SY)       \$ 129.93       20.00       \$ 2,598.61         Plastic Filter Fabric (SY)       \$ 7.50       20.00       \$ 150.00         4" Ditch Paving (SY)       \$ 74.85       0.00       \$ -         Erosion Control Total       \$ 4,216.45         Construction Cost Total       \$ 560,765.36         Traffic Control (8% of Construction Total \$ 560,765.36       \$ 44,912.66         Construction Cost Grand Total       \$ 605,678.00         Utility Relocation       Removal Unit Cost Unit Cost Unit Cost       Amount Total Cost         Electric       \$ 16.50       \$ 82.50       46.77       \$ 4,630.55         Phone       \$ 16.50       \$ 55.00       46.77       \$ 3,344.21         Gas       \$ 16.50       \$ 55.00       46.77       \$ 3,344.21         Water       \$ 16.50       \$ 193.50       46.77       \$ 9,822.33         Willity Relocation Total       \$ 25,000.17       \$ 3,344.21         R" main       \$ 16.50       \$ 193.50       46.77       \$ 9,822.33         Utility Relocation Total       \$ 6.00       \$ 6,000.00       \$ 36,000.00	` '		(	\$				-
Rip Rap Type 3 12" (SY)								
Plastic Filter Fabric (SY)								
#* Ditch Paving (SY)								
Erosion Control Total \$ 4,216.45  Construction Cost Total \$ 560,765.35  Traffic Control (8% of Construction Total \$ 44,912.65  Construction Cost Grand Total \$ 605,678.00  Utility Relocation Removal Unit Cost Unit Cost Unit Cost Electric \$ 16.50 \$ 82.50 \$ 46.77 \$ 4,630.55  Phone \$ 16.50 \$ 55.00 \$ 46.77 \$ 3,344.25  Cable \$ 16.50 \$ 55.00 \$ 46.77 \$ 3,344.25  Gas \$ 16.50 \$ 66.00 \$ 46.77 \$ 3,858.75  Water \$ 16.50 \$ 193.50 \$ 46.77 \$ 9,822.35  Utility Relocation Total \$ 25,000.01  Right of Way (Sq Ft) Cost/ Sq Ft Sq Ft Total Cost Sq Ft Permanent Easement \$ 6.00 \$ 6,000.00 \$ \$ 36,000.00	` ,							150.0
Construction Cost Total   \$ 560,765.3i			,	φ	74.65	0.00		4 040 4
Traffic Control (8% of Construction Total   \$ 44,912.65								
### Construction Cost Grand Total    Construction Cost Grand Total							Þ	560,765.3
Utility Relocation         Removal Unit Cost Unit Cost Unit Cost         Amount Unit Cost         Total Cost           Electric         \$ 16.50 \$ 82.50 \$ 46.77 \$ 4,630.53           Phone         \$ 16.50 \$ 55.00 \$ 46.77 \$ 3,344.27           Cable         \$ 16.50 \$ 55.00 \$ 46.77 \$ 3,344.27           Gas         \$ 16.50 \$ 66.00 \$ 46.77 \$ 3,858.77           Water         \$ 16.50 \$ 193.50 \$ 46.77 \$ 9,822.33           B" main         \$ 16.50 \$ 193.50 \$ 46.77 \$ 9,822.33           Utility Relocation Total         \$ 25,000.17           Right of Way (Sq Ft)         Cost/ Sq Ft Sq Ft Sq Ft Sq Ft Sq,000.00         Total Cost Sq,000.00           Permanent Easement         \$ 6.00 \$ 6,000.00         \$ 36,000.00	•						\$	44,912.62
Unit Cost   Unit Cost   Amount   Total Cost	Construction Cost Grand Total						\$	605,678.00
Cable	Utility Relocation					Amount		Total Cost
Phone \$ 16.50 \$ 55.00 \$ 46.77 \$ 3,344.27 \$							_	
Cable         \$ 16.50 \$ 55.00       \$ 46.77 \$ 3,344.27         Gas       \$ 16.50 \$ 66.00       \$ 46.77 \$ 3,858.77         Water       \$ 16.50 \$ 193.50       \$ 46.77 \$ 9,822.33         Utility Relocation Total       \$ 25,000.17         Right of Way (Sq Ft)       Cost/ Sq Ft Sq Ft Sq Ft Sq Ft Sq.000.00       \$ 36,000.00         Permanent Easement       \$ 6.00 \$ 6,000.00       \$ 36,000.00	Phone	·					·	,
Gas         Water       \$ 16.50 \$ 66.00 \$ 46.77 \$ 3,858.77         B" main       \$ 16.50 \$ 193.50 \$ 46.77 \$ 9,822.33         Utility Relocation Total       \$ 25,000.17         Right of Way (Sq Ft)       Cost/ Sq Ft Sq Ft Sq Ft Sq.000.00       Total Cost Sq.000.00         Permanent Easement       \$ 6.00 \$ 6,000.00       \$ 36,000.00	Cable	\$ 16	.50	\$	55.00	46.77	\$	3,344.27
\$ 16.50 \$ 66.00 \$ 46.77 \$ 3,858.77  Water  3" main \$ 16.50 \$ 193.50 \$ 46.77 \$ 9,822.33  Utility Relocation Total \$ 25,000.17  Right of Way (Sq Ft) \$ Cost/ Sq Ft \$ Sq Ft Total Cost  Permanent Easement \$ 6.00 \$ 6,000.00 \$ 36,000.00	Gas	\$ 16	.50	\$	55.00	46.77	\$	3,344.27
3" main       \$ 16.50       \$ 193.50       46.77       \$ 9,822.33         Utility Relocation Total       \$ 25,000.17         Right of Way (Sq Ft)       Cost/ Sq Ft       Sq Ft       Total Cost         Permanent Easement       \$ 6.00       \$ 6,000.00       \$ 36,000.00		\$ 16	.50	\$	66.00	46.77	\$	3,858.7
Right of Way (Sq Ft)         Cost/ Sq Ft         Sq Ft         Total Cost           Permanent Easement         \$ 6.00 \$ 6,000.00 \$ 36,000.00	3" main	\$ 16	.50	\$	193.50	46.77		
Permanent Easement \$ 6.00 \$ 6,000.00 \$ <b>36,000.0</b> 0	•							
KOW 10tai \$ 36,000.00				Ф	6.00	Ф 6,000.00		
	KOW Total						\$	36,000.00



Diameter: 48"

Length: 500'

Material: Corrugated Metal Pipe (CMP)

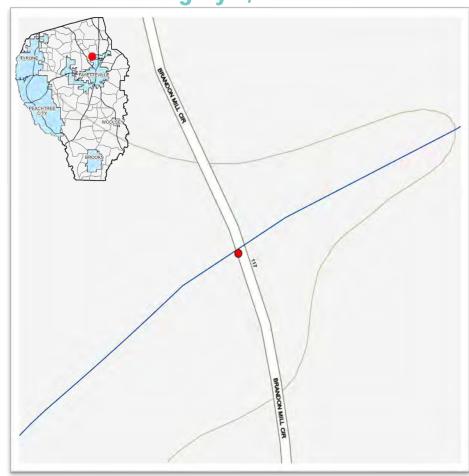
**Project Cost Estimate:** \$362,389





## **2023 STORMWATER SPLOST**

140 Brandon Mill Circle East Category II, Tier II



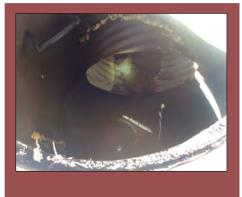
Project Cost Estimate				
Design / Engineering	\$	29,174		
Right of Way Acquisition	\$	37,500		
Environmental	\$	10,000		
Utility Relocation	\$	43,971		
Construction	\$	241,743		
Total Cost Estimate	\$	362,389		



Roadway Construction	Utility Relocation and ROW Quantity Calculations	

Brandon Mill 115

Roadway Construction	Removal Unit	Cost	Installation Unit	Cost	Amount	Total Cost
•				9.74		
Pavement (SF)	\$	1.46	\$		120.00	\$ 1,344.00
Curb and Gutter (LF)	\$	11.25	\$	50.00	20.00	\$ 1,225.00
Drain Inlet (EA)			\$	2.00	3,625.00	\$ 7,250.00
4" Sidewalk (SY)						\$ -
Guardrail (LF)						\$ -
End Anchorage (EA)						\$ -
Subtotal						\$ 9,819.00
Grading Complete (5% of Rwy Items & Drng Total \$)						\$ 5,651.87
Roadway Total						\$ 15,470.87
riouaria, rotai						ψ, σ.σ.
Drainage	Removal Unit	Coot	Installation I Init	Coot	Amaunt	Total Coat
Drainage	Removal Unit	Cost	Installation Unit		Amount	Total Cost
Trench Excavation (CY)			\$	12.98	500.00	\$ 6,490.00
48" CMP (LF)	\$	30.75			250.00	\$ 7,687.50
48" RCP (LF)			\$	223.47	250.00	\$ 55,867.50
Class A Conc (CY)			\$ 1,8	350.86	13.70	\$ 25,356.78
Steel (lb)					0.00	\$ -
Pipe Bedding (CY)			\$	60.75	55.56	
Trench Backfill (CY)			\$	3.74	439.76	\$ 1,644.69
, ,						
Trench Compaction (CY)			\$	7.95	351.80	\$ 2,796.85
Drainage Total						\$ 103,218.32
Signing and Marking			Installation Unit	Cost	Amount	Total Cost
Permanent Striping (LF)			\$	1.56	0.00	
1 3 ( )			-		2.30	
Signing and Marking Total						\$ -
Signing and Marking Total						Ψ -
01 :			1 ( "	<b>^</b> .		T
Staging			Installation Unit		Amount	Total Cost
Clearing and Grubbing (Acre)			\$ 26,	500.00	0.10	\$ 2,650.00
Temporary Pavement						\$ -
Temporary Drainage (Stream Diversion)			\$ 5,0	064.24	1.00	\$ 5,064.24
			-,-			,
Staging Total						\$ 7,714.24
Olaging Total						Ψ 1,117.27
Erosion Control			Installation Unit	Cost	Amount	Total Cost
Fine Grading and Seeding (SY)			\$	5.49	153.33	\$ 841.80
Temporary Grassing (AC)			\$ 1,0	061.28	0.00	\$ -
Type C Silt Fence (LF)			\$	5.50	500.00	\$ 2,750.00
						-,
Check Dam Tyne C Silt Fence (LF)			S	15 14	500.00	\$ 7.570.00
Check Dam Type C Silt Fence (LF)			\$	15.14	500.00 166.67	\$ 7,570.00
Erosion Control Mats (SY)			\$	1.97	166.67	\$ 328.33
Erosion Control Mats (SY) Landscape Mulch (SY)			\$ \$	1.97 12.22	166.67 166.67	\$ 328.33 \$ 2,036.67
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC)			\$ \$ \$	1.97 12.22 935.65	166.67 166.67 0.00	\$ 328.33 \$ 2,036.67 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY)			\$ \$ \$ \$	1.97 12.22	166.67 166.67	\$ 328.33 \$ 2,036.67 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC)			\$ \$ \$	1.97 12.22 935.65	166.67 166.67 0.00	\$ 328.33 \$ 2,036.67 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY)			\$ \$ \$ \$	1.97 12.22 935.65 129.93 7.50	166.67 166.67 0.00 16.00 16.00	\$ 328.33 \$ 2,036.67 \$ - \$ 2,078.88 \$ 120.00
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY)			\$ \$ \$ \$ \$	1.97 12.22 935.65 129.93	166.67 166.67 0.00 16.00	\$ 328.33 \$ 2,036.67 \$ - \$ 2,078.88 \$ 120.00
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$ \$ \$ \$	1.97 12.22 935.65 129.93 7.50	166.67 166.67 0.00 16.00 16.00	\$ 328.33 \$ 2,036.67 \$ - \$ 2,078.88 \$ 120.00 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY)			\$ \$ \$ \$ \$	1.97 12.22 935.65 129.93 7.50	166.67 166.67 0.00 16.00 16.00	\$ 328.33 \$ 2,036.67 \$ - \$ 2,078.88 \$ 120.00
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total			\$ \$ \$ \$ \$	1.97 12.22 935.65 129.93 7.50	166.67 166.67 0.00 16.00 16.00	\$ 328.33 \$ 2,036.67 \$ - \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$ \$ \$ \$	1.97 12.22 935.65 129.93 7.50	166.67 166.67 0.00 16.00 16.00	\$ 328.33 \$ 2,036.67 \$ - \$ 2,078.88 \$ 120.00 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total			\$ \$ \$ \$ \$	1.97 12.22 935.65 129.93 7.50	166.67 166.67 0.00 16.00 16.00	\$ 328.33 \$ 2,036.67 \$ - \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total			\$ \$ \$ \$ \$	1.97 12.22 935.65 129.93 7.50	166.67 166.67 0.00 16.00 16.00	\$ 328.33 \$ 2,036.67 \$ - \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)			\$ \$ \$ \$ \$	1.97 12.22 935.65 129.93 7.50	166.67 166.67 0.00 16.00 16.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total			\$ \$ \$ \$ \$	1.97 12.22 935.65 129.93 7.50	166.67 166.67 0.00 16.00 16.00	\$ 328.33 \$ 2,036.67 \$ - \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total			\$ \$ \$ \$ 2,1	1.97 12.22 935.65 129.93 7.50 74.85	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation	Removal Unit	Cost	\$ \$ \$ \$ \$	1.97 12.22 935.65 129.93 7.50 74.85	166.67 166.67 0.00 16.00 16.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total	Removal Unit (	Cost	\$ \$ \$ \$ 2,1	1.97 12.22 935.65 129.93 7.50 74.85	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation		Cost 13.75	\$ \$ \$ \$ 2,1	1.97 12.22 935.65 129.93 7.50 74.85	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial	\$	13.75	\$ \$ \$ 2,4 \$ \$  Installation Unit \$	1.97 12.22 935.65 129.93 7.50 74.85	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried	\$ :	13.75 20.63	\$ \$ \$ 2,1	1.97 12.22 935.65 129.93 7.50 74.85 Cost 68.75 103.13	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole	\$ :	13.75	\$ \$ \$ 2,1	1.97 12.22 935.65 129.93 7.50 74.85 Cost	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone	\$ \$ \$	13.75 20.63 03.13	\$ \$ \$ \$ 2,5 \$ \$  Installation Unit \$ \$ \$	1.97 12.22 935.65 129.93 7.50 74.85 Cost 68.75 103.13 756.25	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ - \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial	\$ 2 \$ 10 \$	13.75 20.63 03.13	\$ \$ \$ \$ 2,5 \$ \$  Installation Unit \$ \$ \$	1.97 12.22 935.65 129.93 7.50 74.85 Cost 68.75 103.13 756.25 68.75	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried  Wooden Pole Phone Aerial Buried	\$ 2 \$ 10 \$ 5	13.75 20.63 03.13 13.75 20.63	\$ \$ \$ \$ 2,5 \$ \$  Installation Unit \$ \$ \$ \$	1.97 12.22 935.65 129.93 7.50 74.85 Cost 68.75 103.13 756.25 68.75	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial	\$ 2 \$ 10 \$ 2	13.75 20.63 03.13	\$ \$ \$ \$ 2,5 \$ \$  Installation Unit \$ \$ \$ \$	1.97 12.22 935.65 129.93 7.50 74.85 Cost 68.75 103.13 756.25 68.75	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried  Wooden Pole Phone Aerial Buried	\$ 2 \$ 10 \$ 5	13.75 20.63 03.13 13.75 20.63	\$ \$ \$ \$ 2,5 \$ \$  Installation Unit \$ \$ \$ \$	1.97 12.22 935.65 129.93 7.50 74.85 Cost 68.75 103.13 756.25 68.75	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable	\$	13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ 2,5 \$ \$  Installation Unit \$ \$ \$ \$ \$ \$	1.97 12.22 935.65 74.85 Cost 68.75 103.13 756.25	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ 9,281.25 \$ 9,281.25 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Wooden Pole Cable Aerial	\$	13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 3935.65 129.93 7.50 74.85 CCost 68.75 103.13 756.25 68.75 103.13 68.75 68.75	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried	\$ \$ 2 \$ \$ \$ 10 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63	\$ \$ \$ \$ 2,5 \$ \$ \$  Installation Unit \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 935.65 7.50 74.85 Cost 68.75 103.13 756.25 68.75 103.13	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole	\$ \$ 2 \$ \$ \$ 10 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ 2,5 \$ \$ \$  Installation Unit \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 3935.65 129.93 7.50 74.85 CCost 68.75 103.13 756.25 68.75 103.13 68.75 68.75	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas	\$ \$ 10 \$ \$ 10 \$ \$ 10 \$ \$ 10 \$ \$ 10	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ 2,5 \$ \$  Installation Unit \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 935.65 74.85 Cost 68.75 103.13 756.25 68.75 103.13 756.25	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main	\$ \$ 10 \$ \$ 10 \$ \$ 10 \$ \$ 10 \$ \$ 10	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63	\$ \$ \$ \$ 2,5 \$ \$ \$  Installation Unit \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 935.65 7.50 74.85 Cost 68.75 103.13 756.25 68.75 68.75 103.13	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas	\$ \$ 10 \$ \$ 10 \$ \$ 10 \$ \$ 10 \$ \$ 10	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ 2,5 \$ \$  Installation Unit \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 935.65 74.85 Cost 68.75 103.13 756.25 68.75 103.13 756.25	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main	\$ 5 10 5 5 110 5 5 110 5 5 110	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ 2,5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 935.65 74.85 Cost 68.75 103.13 756.25 68.75 103.13 756.25	166.67 166.67 0.00 16.00 16.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main	\$ 5 10 5 5 110 5 5 110 5 5 110	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ 2,5 \$ \$  Installation Unit \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2935.65 74.85 74.85 Cost 68.75 103.13 756.25 68.75 103.13 756.25 82.50	166.67 166.67 0.00 16.00 16.00 0.00 Amount 75.00 75.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 16,127.63
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA)	\$ 5 10 5 5 110 5 5 110 5 5 110	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ 2,5 \$ \$  Installation Unit \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 935.65 2935.65 7.50 74.85 Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25	166.67 166.67 0.00 16.00 16.00 0.00 75.00 75.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ - \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Relocate Fire Hydrant (EA) Sewer	\$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ 3 \$ 3 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13 20.63 20.63	\$ \$ \$ 2,5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 3935.65 129.93 7.50 74.85 CCost 68.75 103.13 756.25 68.75 103.13 3756.25 82.50	166.67 166.67 0.00 16.00 16.00 0.00 75.00 75.00 75.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 16,127.63 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main	\$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 3 \$ 3 \$ 3 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ 2,5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2935.65 74.85 74.85 Cost 68.75 103.13 756.25 68.75 103.13 756.25 82.50	166.67 166.67 0.00 16.00 16.00 0.00 75.00 75.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ 9,281.
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Relocate Fire Hydrant (EA) Sewer	\$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ 3 \$ 3 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13 20.63 20.63	\$ \$ \$ 2,5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 3935.65 129.93 7.50 74.85 CCost 68.75 103.13 756.25 68.75 103.13 3756.25 82.50	166.67 166.67 0.00 16.00 16.00 0.00 75.00 75.00 75.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 16,127.63 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole	\$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ 3 \$ 3 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13 20.63 20.63	\$ \$ \$ 2,5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 3935.65 129.93 7.50 74.85 CCost 68.75 103.13 756.25 68.75 103.13 3756.25 82.50	166.67 166.67 0.00 16.00 16.00 10.00 75.00 75.00 75.00 0.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 16,127.63 \$ - \$ 16,127.63 \$ - \$ 43,971.38
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Case 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	\$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ 3 \$ 3 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13 20.63 20.63	\$ \$ \$ \$ 2,5 \$ \$  Installation Unit \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 3935.65 129.93 7.50 74.85 CCost 68.75 103.13 756.25 68.75 103.13 3756.25 82.50 103.28	166.67 166.67 0.00 16.00 16.00 0.00 75.00 75.00 75.00 0.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 16,127.63 \$ - \$ 43,971.38
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole	\$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ 3 \$ 3 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13 20.63 20.63	\$ \$ \$ 2,5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 3935.65 129.93 7.50 74.85 CCost 68.75 103.13 756.25 68.75 103.13 3756.25 82.50	166.67 166.67 0.00 16.00 16.00 10.00 75.00 75.00 75.00 0.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 16,127.63 \$ - \$ 16,127.63 \$ - \$ 43,971.38
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Case 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	\$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ 3 \$ 3 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13 20.63 20.63	\$ \$ \$ \$ 2,5 \$ \$  Installation Unit \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 3935.65 129.93 7.50 74.85 CCost 68.75 103.13 756.25 68.75 103.13 3756.25 82.50 103.28	166.67 166.67 0.00 16.00 16.00 0.00 75.00 75.00 75.00 0.00 0.00	\$ 328.33 \$ 2,036.67 \$ 2,078.88 \$ 120.00 \$ 15,725.68 \$ 142,129.10 \$ 11,370.33 \$ 153,499.43 Total Cost \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 9,281.25 \$ - \$ 16,127.63 \$ - \$ 43,971.38



Diameter: 48"

Length: 250'

Material: Corrugated Metal Pipe (CMP)

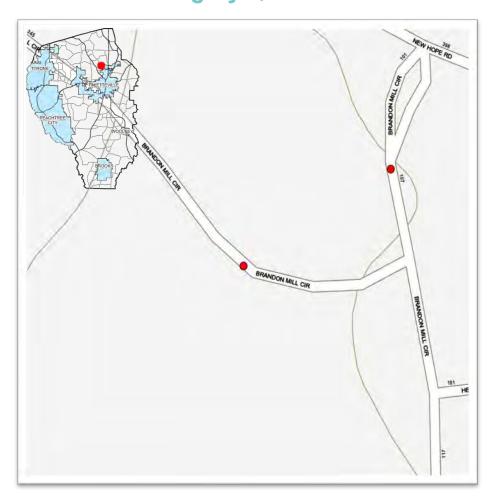
**Project Cost Estimate: \$265,321** 





## **2023 STORMWATER SPLOST**

# 115 Brandon Mill Circle North Category II, Tier II



Project Cost Estimate					
Design / Engineering	\$	20,350			
Right of Way Acquisition	\$	37,500			
Environmental	\$	10,000			
Utility Relocation	\$	43,971			
Construction	\$	153,499			
Total Cost Estimate	\$	265,321			



Brandon	N A HI	110

Roadway Construction Pavement (SF) Curb and Gutter (LF) Drain Inlet (EA) 4" Sidewalk (SY) Guardrail (LF) End Anchorage (EA) Subtotal	Removal Unit \$ \$	1.46 11.25	Installation Un \$ \$ \$	9.74 50.00 2.00	Amount 120.00 20.00 3,625.00		.00 .00 .00
Grading Complete (5% of Rwy Items & Drng Total \$)						\$ 9,551	.45
Roadway Total						\$ 19,370	.45
Drainage	Removal Unit	t Cost	Installation Un		Amount	Total Cost	
Trench Excavation (CY) 48" CMP (LF)	\$	30.75	\$	12.98	1,000.00 500.00	\$ 12,980 \$ 15,375	
48" RCP (LF) Class A Conc (CY)			<b>\$</b>	223.47 1,850.86		\$ 111,735 \$ 25,356	
Steel (lb)					0.00	\$ -	-
Pipe Bedding (CY) Trench Backfill (CY)			\$ \$	60.75 3.74	111.11 892.84	\$ 6,750 \$ 3,334	
Trench Compaction (CY)			\$	7.95	714.28	\$ 5,678	.49
Drainage Total						\$ 181,210	.05
Signing and Marking			Installation Un		Amount	Total Cost	t
Permanent Striping (LF)			\$	0.71	0.00	\$ -	
Signing and Marking Total						\$ -	
Staging Clearing and Grubbing (Acre)			Installation Un \$ 26	it Cost 5,500.00	Amount 0.10	Total Cost \$ 2,650	
Temporary Pavement						\$ -	-
Temporary Drainage (Stream Diversion)			\$ 5	5,064.24	1.00	\$ 5,064	.24
Staging Total						\$ 7,714	.24
Erosion Control Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$ \$	5.49 1,061.28 5.50 15.14 1.97 12.22 2,935.65 129.93 7.50 74.85	Amount  320.00 0.00 500.00 500.00 166.67 0.00 8.00 8.00 0.00	\$ 2,750 \$ 7,570 \$ 328 \$ 2,036 \$ 1,039 \$ 60	.80 - .00 .00 .33 .67
Erosion Control Total						\$ 15,541	.24
Construction Cost Total						\$ 223,835	.98
Traffic Control (8% of Construction Total \$)						\$ 17,906	.88
Construction Cost Grand Total						\$ 241,742	.86
Utility Relocation	Removal Unit	t Cost	Installation Un	it Cost	Amount	Total Cost	t
Electric Aerial	\$	13.75	\$	68.75		\$ -	
Buried	\$	20.63	\$	103.13	75.00	\$ 9,281	.25
Wooden Pole Phone	\$	103.13	\$	756.25		\$	-
Aerial	\$	13.75	\$	68.75		\$ -	-
Buried Wooden Pole	\$ \$	20.63 103.13	\$ \$	103.13 756.25	75.00	\$ 9,281	.25
Cable		100.10	Ψ	700.20		Ψ	
Aerial	\$	13.75	\$	68.75	75.00	\$ -	25
Buried Wooden Pole	\$	20.63 103.13	\$ \$	103.13 756.25	75.00	\$ 9,281 \$ -	.25 -
Gas 4" main	\$	20.63	\$	82.50		\$ -	_
Water	Ψ	20.00	Ψ	02.00		Ψ	
8" main Relocate Fire Hydrant (EA)	\$	20.63	\$ \$	194.41 5,665.63	75.00	\$ 16,127 \$ -	.63 -
Sewer 12" main	\$	61.65	\$		0.00		
Utility Relocation Total	φ	01.00	Ψ	103.28	0.00	\$ 43,971	.38
Right of Way (Sq Ft)			Cost/ Sq Ft		Sq Ft	Total Cost	t
Permanent Easement			\$	5.00	7,500.00	\$ 37,500	.00
ROW Total						\$ 37,500	.00



Diameter: 60"

**Length: 175**"

Material: Corrugated Metal Pipe (CMP)

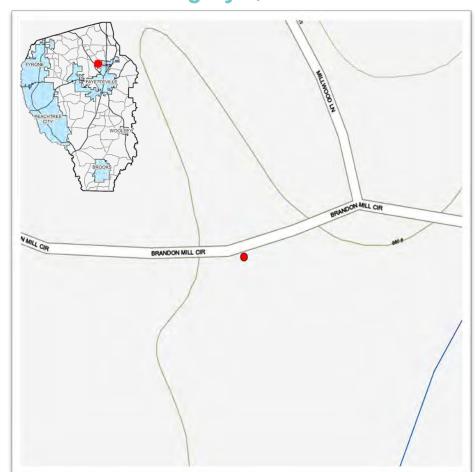
**Project Cost Estimate: \$648,924** 





## **2023 STORMWATER SPLOST**

# **225 Brandon Mill Circle SW**Category II, Tier II



Project Cost Estima	ate	
Design / Engineering	\$	52,950
Right of Way Acquisition	\$	37,500
Environmental	\$	10,000
Utility Relocation	\$	43,971
Construction	\$	479,502
System Evaluation	\$	25,000
Total Cost Estimate	\$	648,924



Poodway Construction	Utility Relocation and ROW Quantity Calculations	

Brandon Mill 225

Roadway Construction Pavement (SF)	_					
	Remova	I Unit Cost	Installation Unit Cost	Amount	Tot	al Cost
avenient (or )	\$	1.46	\$ 9.74			2,240.00
Curb and Cuttor (LE)	\$	11.25	\$ 50.00			,
Curb and Gutter (LF)	Ф	11.25				1,225.00
Orain Inlet (EA)			\$ 2.00	3,625.00	\$	7,250.00
4" Sidewalk (SY)				0.00	\$	-
Guardrail (LF)				0.00	\$	_
. ,						
End Anchorage (EA)				0.00		-
Subtotal					\$	10,715.00
0 " 0 11 (50) (D " 0 D T 110)					•	10 700 0
Grading Complete (5% of Rwy Items & Drng Total \$)					\$	19,700.60
Roadway Total					\$ :	30,415.60
Drainage	Remova	I Unit Cost	Installation Unit Cost	Amount	Tot	al Cost
Trench Excavation (CY)			\$ 12.98	648.15	\$	8,412.96
60" CMP (LF)	\$	30.75	•			16,143.7
* *	Ψ	00.10	\$ 346.63			-
60" RCP (LF)						
Class A Conc (CY)			\$ 1,850.86			00,496.38
Steel (lb)			\$ 2.45		\$ 4	46,966.50
Pipe Bedding (CY)			\$ 60.75	65.60	\$	3,985.20
Trench Backfill (CY)			\$ 3.74	722.36	\$	2,698.03
French Compaction (CY)			\$ 7.95	577.89	\$	4,594.23
Orainage Total					\$ 3	83,297.04
·						
Signing and Marking			Installation Unit Cost	Amount		al Cost
Permanent Striping (LF)			\$ 1.56	40.00	\$	62.40
					_	
Signing and Marking Total					\$	62.40
Staging			Installation Unit Cost	Amount	Tot	al Cost
Clearing and Grubbing (Acre)			\$ 26,500.00	0.10		2,650.00
Femporary Pavement			. 20,000.00	50	\$	_,
Femporary Drainage (Stream Diversion)			\$ 5,064.24	1.00	\$	5,064.2
Simporary Brainage (eardain Birereisin)			φ σ,σστ.Ξ.	1.00	•	0,001.2
Staging Total					\$	7,839.0
Erosion Control			Installation Unit Cost	Amount	Tot	al Cost
Fine Grading and Seeding (SY)			\$ 5.49	172.22	\$	945.50
Femporary Grassing (AC)			\$ 1,061.28			-
Type C Silt Fence (LF)			\$ 5.50			3,850.00
Check Dam Type C Silt Fence (LF)			\$ 15.14			10,598.0
Erosion Control Mats (SY)			\$ 1.97	233.33	\$	459.6
_andscape Mulch (SY)			\$ 12.22	233.33	\$	2,851.3
Perm Grassing (AC)			\$ 2,935.65	0.00	\$	_
Rip Rap Type 3 12" (SY)			\$ 129.93			3,464.80
Plastic Filter Fabric (SY)			\$ 7.50	26.67		200.00
I" Ditch Paving (SY)			\$ 74.85	0.00		-
			\$ 74.85	0.00	\$	- 22,369.30
Erosion Control Total			\$ 74.85	0.00	\$	
4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total			\$ 74.85	5 0.00	\$ \$ 2 \$ 4	43,983.3
Erosion Control Total  Construction Cost Total			\$ 74.85	0.00	\$ \$ 2 \$ 4	43,983.38
Frosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)			\$ 74.85	6 0.00	\$ \$ 4 \$ \$ 1	43,983.38 35,518.6°
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total	Remova	I Unit Cost	\$ 74.85	Amount	\$ \$ 4 \$ \$ 4 \$ \$ \$ 4 \$ \$ \$ \$ 4 \$ \$ \$ \$ \$	43,983.38 35,518.6°
Frosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation	Remova	I Unit Cost			\$ \$ 4 \$ \$ 4 \$ \$ \$ 4 \$ \$ \$ \$ 4 \$ \$ \$ \$ \$	43,983.36 35,518.6 79,502.0
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric	Remova	I Unit Cost 13.75		Amount	\$ \$ 4 \$ \$ 4 \$ \$ \$ 4 \$ \$ \$ \$ 4 \$ \$ \$ \$ \$	43,983.36 35,518.6 79,502.0
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial	\$	13.75	Installation Unit Cost \$ 68.75	Amount	\$ \$ 4 \$ \$ Tot \$	43,983.3i 35,518.6 79,502.0i al Cost
Construction Cost Total Construction Cost Total Fraffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Verial Buried	\$ \$	13.75 20.63	Installation Unit Cost \$ 68.75 \$ 103.13	Amount	\$ \$ 4 \$ 4 Toto \$ \$ \$	43,983.3 35,518.6 79,502.0 al Cost
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole	\$	13.75	Installation Unit Cost \$ 68.75	Amount	\$ \$ 4 \$ \$ Tot \$	43,983.3i 35,518.6 79,502.0i al Cost
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone	\$ \$ \$	13.75 20.63 103.13	Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25	Amount 5 75.00	\$ \$ 4 \$ \$ 4 Toto \$ \$ \$ \$ \$	43,983.3i 35,518.6 79,502.0i al Cost
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial	\$ \$ \$	13.75 20.63 103.13	Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	Amount 6 75.00	\$ \$ 4 \$ \$ \$ 4 Toto \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.3i 35,518.6° 79,502.0i al Cost - 9,281.2:
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried  Wooden Pole Phone Aerial Buried  Buried	\$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	Amount 5 75.00 5 75.00	\$ \$ 4 \$ \$ \$ 4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.3i 35,518.6° 79,502.0i al Cost - 9,281.2:
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried  Wooden Pole Phone Aerial Buried  Wooden Pole Wooden Pole Wooden Pole Wooden Pole	\$ \$ \$	13.75 20.63 103.13	Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	Amount 5 75.00 5 75.00	\$ \$ 4 \$ \$ \$ 4 Toto \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.38 35,518.6 79,502.00 al Cost - 9,281.29
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried  Wooden Pole Phone Aerial Buried  Wooden Pole Wooden Pole Wooden Pole Wooden Pole Wooden Pole Wooden Pole	\$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	Amount 5 75.00 5 75.00	\$ \$ 4 \$ \$ \$ 4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.3i 35,518.6° 79,502.0i al Cost - 9,281.2:
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone	\$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	Amount 5 75.00 5 75.00	\$ \$ 4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.38 35,518.6 79,502.00 al Cost - 9,281.29
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried  Wooden Pole Phone Aerial Buried  Wooden Pole Cable Cable Cable Carial	\$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	Amount 5 75.00 5 75.00	\$ \$ 4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.34 35,518.67 79,502.06 al Cost - 9,281.25
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried  Wooden Pole Phone Aerial Buried  Wooden Pole Cable	\$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75	Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	Amount 5 75.00 5 75.00 6 75.00	\$ \$ 4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	22,369.3( 43,983.38 35,518.6) 79,502.00 al Cost 9,281.28
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried	\$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	Amount 5 75.00 5 75.00 6 75.00	\$ \$ 4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.3i 35,518.6i 79,502.0l al Cost - 9,281.2: - 9,281.2:
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric Aerial  Buried  Wooden Pole Phone Aerial  Buried  Wooden Pole  Cable  Aerial  Buried  Wooden Pole	\$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	Amount 75.00 75.00 75.00	\$ \$ 4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.3i 35,518.6i 79,502.0l al Cost - 9,281.2: - 9,281.2:
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Cable Aerial Buried Wooden Pole Cable C	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	Amount 75.00 75.00 75.00	\$ \$ 4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.3i 35,518.6i 79,502.0i al Cost - 9,281.2i - 9,281.2i - 9,281.2i
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Carial Buried Wooden Pole Casle Casle Carial Car	*** *** ***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50	Amount 75.00 75.00 75.00	\$ \$ 4 \$ \$ 4 Tot \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.3 35,518.6 79,502.0 al Cost 9,281.2 9,281.2
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Cable Carial	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.75 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 103.13 \$ 756.25 \$ 12.50 \$ 194.41	Amount 75.00 75.00 75.00	\$ \$ 4 \$ \$ 4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.3 35,518.6 79,502.0 cal Cost - 9,281.2 - 9,281.2
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cast  "main Water ""main Relocate Fire Hydrant (EA)	*** *** ***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50	Amount 75.00 75.00 75.00 75.00	\$ \$ 4 \$ \$ 4 Tot \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.3 35,518.6 79,502.0 al Cost 9,281.2 9,281.2
Erosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried  Wooden Pole Phone Aerial Buried  Wooden Pole Cable Aerial Buried  Wooden Pole Cable Aerial Buried  Wooden Pole Cass  E' main	*** *** ***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.41 \$ 5,665.63	Amount  75.00  75.00  75.00  75.00  0.00	\$ \$4 \$ \$4 Tot \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.3 35,518.6 79,502.0 al Cost 9,281.2 9,281.2
Construction Cost Total  Construction Cost Total  Construction Cost Grand Total  Construction Cost Grand Total  Utility Relocation Electric Rerial Buried  Vooden Pole Phone Rerial Buried  Vooden Pole Cable Rerial Buried  Vooden Pole Castle Rerial Buried  Relocate Fire Hydrant (EA)  Relocate Fire Hydrant (EA)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.41 \$ 5,665.63	Amount 75.00 75.00 75.00 75.00 0.00	\$ \$ 4 \$ \$ 4 Tot \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.3 35,518.6 79,502.0 al Cost 9,281.2 9,281.2
crosion Control Total Construction Cost Total Construction Cost Total Construction Cost Grand To	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 194.41 \$ 5,665.63 \$ 103.28	Amount  75.00  75.00  75.00  75.00  0.00 0.00	\$ \$ 4 Tot \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.3 35,518.6 79,502.0 sal Cost 9,281.2 - 9,281.2 - 16,127.6 - 43,971.3
Frosion Control Total  Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Berial Buried  Vooden Pole Phone Berial Buried  Vooden Pole Cable Berial Buried  Vooden Pole Cable Buried  Vooden Pole Cable Buried  Vooden Pole Cable Buried  Vooden Pole Cable Buried  Vooden Pole Caster  Timain  Vater  Timain Relocate Fire Hydrant (EA)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.41 \$ 5,665.63	Amount 75.00 75.00 75.00 75.00 75.00 Sq Ft	\$ \$ 4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,983.3 35,518.6 79,502.0 al Cost 9,281.2 9,281.2 - 9,281.2

Diameter: 48"

Length: 350'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate:** \$301,818





## 2023 STORMWATER SPLOST 295 Brandon Mill Circle West Category II, Tier II



Project Cost Estin	nate	
Design / Engineering	\$	25,265
Right of Way Acquisition	\$	37,500
Environmental	\$	10,000
Utility Relocation	\$	26,400
Construction	\$	202,653
Total Cost Estimate	\$	301,818



Brandon	MAIL	205
Brandon	IV/IIII	745

	D   1   14	04	14-11-4: 1 1	-:4 04	A			
Roadway Construction	Removal Unit	1.46	Installation U \$	9.74	Amount	120		tal Cost
Pavement (SF) Curb and Gutter (LF)	э \$	11.25	э \$	50.00		20	\$	1,344.00 1,225.00
Drain Inlet (EA)	φ	11.23	\$ \$	3,625.00		20		7,250.00
4" Sidewalk (SY)			Φ	3,023.00		2	\$	7,230.00
Guardrail (LF)							\$	_
End Anchorage (EA)							\$	-
Subtotal							\$	9,819.00
Subtotal							φ	9,019.00
Grading Complete (5% of Rwy Items & Drng Total \$)							\$	7,560.06
Roadway Total							\$	17,379.06
5 :	5	• •					_	
Drainage	Removal Unit	Cost	Installation U		Amount	070		tal Cost
Trench Excavation (CY)	Φ.	20.75	\$	12.98		972		12,619.44
48" CMP (LF)	\$	30.75	•	223.47		350		10,762.50 78,214.50
48" RCP (LF)			\$ \$					,
Class A Conc (CY) Steel (lb)			Ф	1,850.86		14 0	\$ \$	25,356.78
Pipe Bedding (CY)			\$	60.75		78		4,725.00
Trench Backfill (CY)			\$	3.74		961		3,590.34
Trench Compaction (CY)			\$	7.95		769		6,113.67
Tronon Compaction (CT)			Ψ	7.00		700	Ψ	0,110.07
Drainage Total							\$1	41,382.24
Signing and Marking			Installation U	nit Cost	Amount		To	tal Cost
Permanent Striping (LF)			\$	1.56		0	\$	5001
1 31"/						•	•	
Signing and Marking Total							\$	-
Staging			Installation U		Amount			tal Cost
Clearing and Grubbing (Acre)			\$ 2	26,500.00		0		2,650.00
Temporary Pavement			•	E 004 04			\$	-
Temporary Drainage (Stream Diversion)			\$	5,064.24		1	\$	5,064.24
Staging Total							\$	7,714.24
Erosion Control			Installation U	nit Coot	Amount		То	tal Cost
Fine Grading and Seeding (SY)			\$	5.49	Amount	220	\$	1,207.80
Temporary Grassing (AC)			\$	1,061.28		0	\$	1,207.00
Type C Silt Fence (LF)			\$	5.50		700		3,850.00
Check Dam Type C Slit Fence (LF)			5	15.14		700	\$	10.598.00
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY)			\$ \$	15.14 1.97		700 233		10,598.00 459.67
Erosion Control Mats (SY)			\$				\$	459.67 2,851.33
				1.97		233	\$	459.67
Erosion Control Mats (SY) Landscape Mulch (SY)			\$ \$	1.97 12.22		233 233 0	\$ \$	459.67
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC)			\$ \$ \$	1.97 12.22 2,935.65		233 233 0	\$ \$ \$	459.67 2,851.33 -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY)			\$ \$ \$	1.97 12.22 2,935.65 129.93		233 233 0 16	\$ \$ \$ \$	459.67 2,851.33 - 2,078.88
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50		233 233 0 16 16	\$ \$ \$ \$ \$ \$ \$	459.67 2,851.33 - 2,078.88 120.00
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50		233 233 0 16 16	\$ \$ \$ \$ \$ \$	459.67 2,851.33 - 2,078.88 120.00 - 21,165.68
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50		233 233 0 16 16	\$ \$ \$ \$ \$ \$	459.67 2,851.33 - 2,078.88 120.00
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50		233 233 0 16 16	\$ \$ \$ \$ \$	459.67 2,851.33 - 2,078.88 120.00 - 21,165.68
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50		233 233 0 16 16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	459.67 2,851.33 - 2,078.88 120.00 - 21,165.68 87,641.22
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total	Pamouel 11st	Cont	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85	Amount	233 233 0 16 16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	459.67 2,851.33 2,078.88 120.00 - 21,165.68 87,641.22 15,011.30
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation	Removal Unit	Cost	\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85	Amount	233 233 0 16 16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	459.67 2,851.33 - 2,078.88 120.00 - 21,165.68 87,641.22 15,011.30
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric	-		\$ \$ \$ \$ \$ \$ \$ \$ Installation U	1.97 12.22 2,935.65 129.93 7.50 74.85	Amount	233 233 0 16 16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	459.67 2,851.33 2,078.88 120.00 - 21,165.68 87,641.22 15,011.30
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial	\$	13.75	\$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85	Amount	233 233 0 16 16 0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	459.67 2,851.33 2,078.88 120.00 - 21,165.68 87,641.22 15,011.30 202,652.52 tal Cost
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric	\$		\$ \$ \$ \$ \$ \$ \$ \$ Installation U	1.97 12.22 2,935.65 129.93 7.50 74.85	Amount	233 233 0 16 16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	459.67 2,851.33 2,078.88 120.00 - 21,165.68 87,641.22 15,011.30
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried	\$	13.75 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  Installation U \$	1.97 12.22 2,935.65 129.93 7.50 74.85	Amount	233 233 0 16 16 0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	459.67 2,851.33 2,078.88 120.00 - 21,165.68 87,641.22 15,011.30 202,652.52 tal Cost
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole	\$ \$ \$	13.75 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  Installation U \$	1.97 12.22 2,935.65 129.93 7.50 74.85	Amount	233 233 0 16 16 0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	459.67 2,851.33 2,078.88 120.00 - 21,165.68 87,641.22 15,011.30 202,652.52 tal Cost
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone	\$	13.75 20.63 103.13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation U \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 niit Cost 68.75 103.13 756.25	Amount	233 233 0 16 16 0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	459.67 2,851.33 2,078.88 120.00 - 21,165.68 87,641.22 15,011.30 202,652.52 tal Cost
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial	\$ \$ \$ \$	13.75 20.63 103.13 13.75	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  Installation U \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 nnit Cost 68.75 103.13 756.25 68.75	Amount	233 233 0 16 16 0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	459.67 2,851.33 2,078.88 120.00 21,165.68 87,641.22 15,011.30 02,652.52 tal Cost 3,424.16
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable	\$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 nnit Cost 68.75 103.13 756.25	Amount	233 233 0 16 16 0	\$	459.67 2,851.33 2,078.88 120.00 21,165.68 87,641.22 15,011.30 02,652.52 tal Cost 3,424.16
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial  Wooden Pole Cable Aerial	\$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 nnit Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75	Amount	233 233 0 16 16 0	\$	459.67 2,851.33 2,078.88 120.00 21,165.68 87,641.22 15,011.30 02,652.52 tal Cost 3,424.16
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	s s s s s s s s s s s s s s s s s s s	1.97 12.22 2,935.65 129.93 7.50 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25	Amount	233 233 0 16 16 0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	459.67 2,851.33 2,078.88 120.00 21,165.68 87,641.22 15,011.30 02,652.52 tal Cost 3,424.16
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Wooden Pole Cable Aerial Buried Wooden Pole	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 nnit Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75	Amount	233 233 0 16 16 0	\$	459.67 2,851.33 2,078.88 120.00 21,165.68 87,641.22 15,011.30 02,652.52 tal Cost 3,424.16
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 nnit Cost 68.75 103.13 756.25 68.75 103.13 756.25	Amount	233 233 0 16 16 0	\$	459.67 2,851.33 2,078.88 120.00 21,165.68 87,641.22 15,011.30 02,652.52 tal Cost 3,424.16
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	s s s s s s s s s s s s s s s s s s s	1.97 12.22 2,935.65 129.93 7.50 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25	Amount	233 233 0 16 16 0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	459.67 2,851.33 2,078.88 120.00 21,165.68 87,641.22 15,011.30 02,652.52 tal Cost 3,424.16
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	Installation U  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 niit Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25	Amount	233 233 0 16 16 0	\$	459.67 2,851.33 2,078.88 120.00 - 21,165.68 87,641.22 15,011.30 202,652.52 tal Cost 3,424.16 - 3,424.16
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 82.50	Amount	233 233 0 16 16 0	\$	459.67 2,851.33 2,078.88 120.00 21,165.68 87,641.22 15,011.30 02,652.52 tal Cost 3,424.16
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	Installation U  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 niit Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25	Amount	233 233 0 16 16 0	\$	459.67 2,851.33 2,078.88 120.00 - 21,165.68 87,641.22 15,011.30 202,652.52 tal Cost 3,424.16 - 3,424.16
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 82.50	Amount	233 233 0 16 16 0 28 28 28	\$	459.67 2,851.33 2,078.88 120.00 - 21,165.68 87,641.22 15,011.30 202,652.52 tal Cost 3,424.16 - 3,424.16
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Rooden Pole Cable Aerial Buried	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63 20.63	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 nnit Cost 68.75 103.13 756.25 68.75 103.13 756.25 82.50 194.41 5,665.63	Amount	233 233 0 16 16 0 28 28 28	\$	459.67 2,851.33 2,078.88 120.00 - 21,165.68 87,641.22 15,011.30 202,652.52 tal Cost 3,424.16 - 3,424.16
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole Cable Aerial	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63 20.63	Installation U  S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 nnit Cost 68.75 103.13 756.25 68.75 103.13 756.25 82.50 194.41 5,665.63		233 233 0 16 16 0 28 28 28	\$	459.67 2,851.33 2,078.88 120.00 21,165.68 87,641.22 15,011.30 002,652.52 tal Cost 3,424.16 
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63 20.63	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 nnit Cost 68.75 103.13 756.25 68.75 103.13 756.25 82.50 194.41 5,665.63	Sq Ft	233 233 0 16 16 0 28 28 28	\$	459.67 2,851.33 2,078.88 120.00 
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole Cable Aerial	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63 20.63	Installation U  S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 nnit Cost 68.75 103.13 756.25 68.75 103.13 756.25 82.50 194.41 5,665.63	Sq Ft	233 233 0 16 16 0 28 28 28	\$	459.67 2,851.33 2,078.88 120.00 21,165.68 87,641.22 15,011.30 002,652.52 tal Cost 3,424.16 



Diameter: Five-96"

Length: 60'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate:** \$934,833





## **2023 STORMWATER SPLOST**

Coastline Road
Category II, Tier II



Project Cost Estim	ate	
Design / Engineering	\$	102,374
Right of Way Acquisition	\$	22,500
Environmental	\$	18,000
Utility Relocation	\$	18,219
Construction	\$	773,740
Total Cost Estimate	\$	934,833



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Roadway Construction,	Utility Relocation and ROW Quantity Calculations	Coastline Road

Roadway Constituction, Offility Relocation and ROW Qu	uantity Galcula	1110115	Coastille No	au			
Roadway Construction	Removal L	Jnit Cost	Installation U	Init Cost	Amount	Tot	al Cost
Pavement (SF)	\$	1.46	\$	9.74	1,536.00	\$	17,203.20
Curb and Gutter (LF)					0.00	\$	-
Orain Inlet (EA)					0.00	\$	-
4" Sidewalk (SY)					0.00	\$	-
Guardrail (LF)	\$	16.99	\$	61.36	140.00	\$	10,969.00
End Anchorage (EA)	•		\$	2,028.05	4.00		8,112.20
Subtotal			Ψ	2,020.00	4.00	-	36,284.40
Grading Complete (5% of Rwy Items & Drng Total \$)							30,970.4
Roadway Total						\$ 6	67,254.8°
Drainage	Removal L	Jnit Cost	Installation U		Amount		al Cost
Γrench Excavation (CY)			\$	12.98	888.89		11,537.78
96" CMP (LF)	\$	78.75			300.00	\$ 7	70,875.00
96" RCP					0.00	\$	-
Class A Conc (CY)			\$	1,850.86	232.11	\$ 42	29,603.1°
Steel (lb)			\$	2.45	23,875.00	\$ :	58,493.7
Pipe Bedding (CY)			\$	60.75	61.60	\$	3,742.2
rench Backfill (CY)			\$	3.74	878.84	\$	3,282.48
rench Compaction (CY)			\$	7.95	703.08		5,589.4
Prainage Total							
ŭ .							33,123.78
Signing and Marking			Installation U	-	Amount		al Cost
Permanent Striping (LF)			\$	1.56	0.00	\$	-
Signing and Marking Total						œ	
Signing and Marking Total						\$	_
Staging			Installation U	Init Cost	Amount	Tot	al Cost
Clearing and Grubbing (Acre)			\$	26,500.00	0.50	\$	13,250.0
emporary Pavement						\$	-
emporary Drainage (Stream Diversion)			\$	5,064.24	3.00	\$	15,192.7
staging Total						\$ 2	28,442.7
Erosion Control			Installation U	Init Cost	Amount	Tot	al Cost
Fine Grading and Seeding (SY)			\$	5.49	92.44	\$	507.5
Temporary Grassing (AC)			\$	1,061.28	0.00	\$	-
Type C Silt Fence (LF)			\$	5.50	1,000.00	\$	5,500.0
Check Dam Type C Silt Fence (LF)			\$	15.14	1,000.00	\$	15,140.0
Erosion Control Mats (SY)			\$	1.97	333.33		656.6
andscape Mulch (SY)			\$	12.22	333.33		4,073.3
Perm Grassing (AC)			\$	2,935.65	0.00		-,010.0
Rip Rap Type 3 12" (SY)			\$	129.93	85.33		11,087.3
			\$	7.50			
Plastic Filter Fabric (SY)					85.33		640.0
P Ditch Paving (SY)			\$	74.85	0.00	Ф	-
Erosion Control Total						\$ 3	37,604.8
Construction Cost Total						\$7	16,426.1
raffic Control (8% of Construction Total \$)						\$ :	57,314.0
Construction Cost Grand Total						\$ 7	73,740.2
Itility Relocation	Removal U	Init Cost	Installation U	Init Cost	Amount		al Cost
Electric	Tomoval C	int Oust	motanation C	THE OUSE	Amount	100	u. 0031
verial	\$	13.75	\$	68.75	100.00	\$	8,250.0
Buried	\$	20.63	\$ \$	103.13	0.00		J,200.0
Vooden Pole	\$	103.13	\$	756.25	2.00		1,718.7
Phone	Ψ	100.10	Ψ	100.20	2.00	Ψ	1,7 10.7
	¢	10 75	¢	60.75	100.00	¢	8,250.0
verial	\$	13.75	\$ ¢	68.75	100.00		0,200.0
Buried	\$	20.63	\$	103.13	0.00		-
Vooden Pole Cable	\$	103.13	\$	756.25		\$	-
	œ.	40.75	¢.	CO 75		¢.	
erial	\$	13.75	\$	68.75	2.25	\$	-
Buried	\$	20.63	\$	103.13	0.00		-
Vooden Pole	\$	103.13	\$	756.25		\$	-
Gas " ·		00	•	co ==		•	
" main	\$	20.63	\$	82.50		\$	-
Vater							
" main	\$	20.63	\$	194.41	0.00		-
Relocate Fire Hydrant (EA)			\$	5,665.63		\$	-
Sewer					0.00		
2" main	\$	61.65	\$	103.28	0.00		-
Jtility Relocation Total						\$	18,218.7
Right of Way (Sq Ft)			Cost/ Sq Ft		Sq Ft	Tot	al Cost
ermanent Easement			\$	5.00	4,500.00		22,500.0
ROW Total					,		22,500.00
						Ψ '	,000.0

Diameter: 42"

Length: 85'

Material: Corrugated Metal Pipe (CMP)

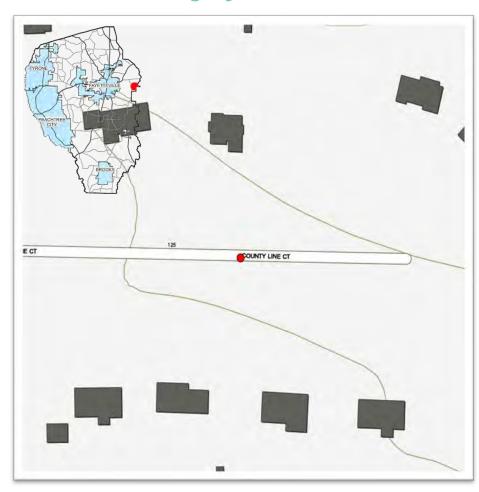
**Project Cost Estimate:** \$178,802





## **2023 STORMWATER SPLOST**

# 171 County Line Court Category II, Tier II



Project Cost Estim	ate	
Design / Engineering	\$	15,770
Right of Way Acquisition	\$	21,780
Environmental	\$	10,000
Utility Relocation	\$	23,547
Construction	\$	107,705
Total Cost Estimate	\$	178,802



Roadway Construction	Removal Un	it Cost	Installation Unit C	ost	Amount		otal Cost
Pavement (SF)	\$	1.46	\$	9.74	132.00	\$	1,478.40
Curb and Gutter (LF)					0.00		-
Drain Inlet (EA)					0.00		-
4" Sidewalk (SY)	•	40.00			0.00		4 000 40
Guardrail (LF)	\$	16.99		31.36	24.00		1,880.46
End Anchorage (EA)			\$ 2,02	28.05	4.00		8,112.20
Subtotal						\$	11,471.06
Grading Complete (5% of Rwy Items & Drng Total \$)						\$	4,216.70
Roadway Total						\$	15,687.76
·	<b>D</b>	0 1					ĺ
Drainage Transh Everystion (CV)	Removal Un	it Cost	Installation Unit C		Amount		otal Cost
Trench Excavation (CY)	\$	30.75	\$ 1	2.98	100.00 85.00		1,298.00 7,841.25
42" CMP (LF) 84" RCP	Φ	30.73			0.00		7,041.25
Class A Conc (CY)			\$ 1,85	50.86	29.93		55,396.24
Steel (lb)			\$		2659.00		6,514.55
Pipe Bedding (CY)				0.75	13.80		838.35
Trench Backfill (CY)			\$	3.74	96.53	\$	360.55
Trench Compaction (CY)			\$	7.95	77.23	\$	613.95
Drainage Total						\$	72,862.89
Signing and Marking			Installation Unit C	ost	Amount	To	otal Cost
Permanent Striping (LF)			\$	1.56	24.00	\$	37.44
,							
Signing and Marking Total						\$	37.44
Staging			Installation Unit C	net	Amount	To	otal Cost
Staging Clearing and Grubbing (Acre)			\$ 26,50				1,325.00
Temporary Pavement			ψ 20,30	0.00	0.03	\$	1,323.00
Temporary Drainage (Stream Diversion)			\$ 5,06	64.24	1.00		5,064.24
Staging Total						\$	6,464.12
Staging Total						Ψ	0,404.12
F : 0 ! !						_	
Erosion Control Fine Grading and Seeding (SY)			Installation Unit C	5.49	Amount 200.00		1,098.00
Temporary Grassing (AC)				3.43	0.00		1,090.00
Type C Silt Fence (LF)			\$	5.50	120.00		660.00
Check Dam Type C Silt Fence (LF)				5.14	120.00		1,816.80
Erosion Control Mats (SY)			\$	1.97	0.00	\$	-
Landscape Mulch (SY)				2.22	0.00	\$	-
Perm Grassing (AC)				35.65	0.00		
Rip Rap Type 3 12" (SY)				29.93	8.00		1,039.44
Plastic Filter Fabric (SY)			\$ \$	7.50 4.85	8.00		60.00
4" Ditch Paving (SY)			<b>\$</b>	4.00	0.00	Ф	-
Erosion Control Total						\$	4,674.24
Construction Cost Total						\$	99,726.45
Traffic Control (8% of Construction Total \$)						\$	7,978.12
Construction Cost Grand Total						œ.	
Construction Cost Grand Total							107,704.57
Utility Relocation Electric	Removal Un	it Cost	Installation Unit C	ost	Amount	To	otal Cost
Aerial	\$	13.75	\$ 6	8.75	100.00	\$	8,250.00
Buried	\$	20.63		3.13	50.00		6,187.50
Wooden Pole	\$	103.13		6.25	1.00		859.38
Phone							
Aerial	\$	13.75		8.75	100.00		8,250.00
Buried	\$	20.63		3.13	0.00		-
Wooden Pole	\$	103.13	\$ 75	6.25	0.00	\$	-
Cable Aerial	\$	13.75	\$ 6	88.75	0.00	æ	
Buried	\$ \$	20.63		3.13	0.00		-
Wooden Pole	\$	103.13		6.25	0.00		-
Gas							
4" main	\$	20.63	\$ 8	32.50	0.00	\$	-
Water						_	
	•	00 00	Α			\$	-
8" main	\$	20.63		94.41	0.00	d.	
Relocate Fire Hydrant (EA)	\$	20.63		94.41 85.63	0.00	\$	-
	\$	20.63	\$ 5,66				-
Relocate Fire Hydrant (EA) Sewer			\$ 5,66	55.63	0.00		23,546.88
Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total			\$ 5,66 \$ 10	55.63	0.00	\$	,
Relocate Fire Hydrant (EA) Sewer 12" main			\$ 5,66	55.63	0.00	\$	otal Cost
Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total Right of Way (Sq Ft)			\$ 5,66 \$ 10 Cost/ Sq Ft	3.28	0.00 0.00 Sq Ft	\$ \$ To	otal Cost 21,780.00



Diameter: 72"

Length: 70'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate: \$683,914** 





## **2023 STORMWATER SPLOST**

# 178 Crabapple Lane Category II, Tier II



Project Cost Estin	nate	
Design / Engineering	\$	68,404
Right of Way Acquisition	\$	15,000
Environmental	\$	15,000
Utility Relocation	\$	26,469
Construction	\$	559,041
Total Cost Estimate	\$	683,914



178	Crahapple	l ane

Roadway Construction Pavement (SF) Curb and Gutter (LF)	Removal Unit					
Curb and Gutter (LF)		Cost	Installation U	Init Cost	Amount	Total Cost
	\$	1.46	\$	9.74	624.00	\$ 6,988.80
						\$ -
Drain Inlet (EA)						\$ -
4" Sidewalk (SY)						\$ -
Guardrail (LF)						\$ -
End Anchorage (EA)						\$ -
Subtotal						\$ 6,988.80
Cubiotai						ψ 0,500.00
Grading Complete (5% of Rwy Items & Drng Total \$)						\$ 22,585.03
Roadway Total						\$ 29,573.83
Noauway Total						φ 29,373.63
Drainage	Removal Unit	Cost	Installation L	Init Cost	Amount	Total Cost
Trench Excavation (CY)			\$	12.98	539.26	\$ 6,999.59
72" CMP (LF)	\$	78.75				\$ 33,075.00
84" RCP					0.00	•
Class A Conc (CY)			\$	1,850.86		\$ 343,297.51
Steel (lb)			\$	2.45		\$ 51,724.40
Pipe Bedding (CY)			\$	60.75	69.30	\$ 4,209.98
Trench Backfill (CY)			\$	3.74	535.44	\$ 1,999.87
Trench Compaction (CY)			\$	7.95	428.35	\$ 3,405.40
Drainage Total						\$ 444,711.75
Ť			1 ( 11 22 )			
Signing and Marking			Installation L		Amount	Total Cost
Permanent Striping (LF)			\$	1.56	0.00	\$ -
Signing and Marking Total						\$ -
Organia dana marking Total						Ψ -
Staging			Installation L	Init Cost	Amount	Total Cost
Clearing and Grubbing (Acre)			\$	26,500.00	0.10	\$ 2,650.00
Temporary Gravel Road (SY)			\$	19.28	69.33	\$ 1,336.75
Temporary Drainage (Stream Diversion)			\$	5,064.24	2.00	\$ 10,128.48
Staging Total						\$ 14,115.23
						ψ 14,110.20
Erosion Control			Installation L		Amount	Total Cost
Fine Grading and Seeding (SY)			\$	5.49	132.89	\$ 729.56
Temporary Grassing (AC)			\$	1,061.28	0.00	\$ -
Type C Silt Fence (LF)			\$	5.50	560.00	
Check Dam Type C Silt Fence (LF)			\$	15.14	560.00	\$ 8,478.40
Erosion Control Mats (SY)			\$	1.97	186.67	\$ 367.73
Landscape Mulch (SY)			\$	12.22	186.67	\$ 2,281.07
Perm Grassing (AC)			\$	2,935.65	0.00	\$ -
Rip Rap Type 3 12" (SY)			\$ \$	129.93 7.50	104.00 104.00	\$ 13,512.72
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$		104.00	\$ 780.00
4 DIICH Paving (ST)			Ф			r r
g (- · /				74.85	0.00	\$ -
Erosion Control Total				74.85		\$ - \$ 29,229.48
Erosion Control Total				74.85		\$ 29,229.48
Erosion Control Total  Construction Cost Total				74.85		\$ 29,229.48 \$ 517,630.28
Erosion Control Total				74.85		\$ 29,229.48
Erosion Control Total  Construction Cost Total				74.85		\$ 29,229.48 \$ 517,630.28
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total	Removal I Init	Coet	Installation !		0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)	Removal Unit	Cost	Installation L			\$ 29,229.48 \$ 517,630.28 \$ 41,410.42
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation		Cost 13.75			0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric	\$		Installation U	Init Cost	0.00 Amount 100.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial	\$ :	13.75	\$	Init Cost 68.75	0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried	\$ :	13.75 20.63	\$ \$	Init Cost 68.75 103.13	0.00  Amount  100.00 0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone	\$ \$ \$	13.75 20.63	\$ \$	Init Cost 68.75 103.13	0.00  Amount  100.00 0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ 1,718.75
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole	\$ 2 \$ 10 \$	13.75 20.63 03.13	\$ \$ \$	Init Cost 68.75 103.13 756.25	0.00  Amount  100.00 0.00 2.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial	\$ 2 \$ 10 \$ 2	13.75 20.63 03.13	\$ \$ \$	68.75 103.13 756.25 68.75	0.00  Amount  100.00  0.00  2.00  100.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried  Wooden Pole Phone Aerial Buried	\$ 2 \$ 10 \$ 5	13.75 20.63 03.13 13.75 20.63	\$ \$ \$ \$	68.75 103.13 756.25 68.75 103.13	0.00  Amount  100.00  0.00  2.00  100.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00 \$ -
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Cable Aerial	\$	13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ \$ \$ \$ \$ \$	68.75 103.13 756.25 68.75 103.13	0.00  Amount  100.00 0.00 2.00  100.00 0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ 1,718.75 \$ 8,250.00 \$ - \$ - \$ 8,250.00
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric Aerial Buried  Wooden Pole Phone Aerial Buried  Wooden Pole Cable Aerial Buried  Buried	\$ \$ 10 \$ \$ 10 \$ \$ 10 \$ \$ 10	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63	\$ \$ \$ \$ \$ \$ \$	68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13	0.00  Amount  100.00 0.00 2.00  100.00 0.00  100.00 0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00 \$ - \$ \$ .
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Wooden Pole	\$ \$ 2 \$ \$ \$ 10 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ \$ \$ \$ \$ \$	68.75 103.13 756.25 68.75 103.13 756.25 68.75	0.00  Amount  100.00 0.00 2.00  100.00 0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00 \$ - \$ \$ .
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas	\$ \$ 10 \$ \$ 10 \$ \$ 10 \$ \$ 10 \$ \$ 10	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25	0.00  Amount  100.00 0.00 2.00  100.00 0.00  100.00 0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00 \$ - \$ - \$ 8,250.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Gas 4" main	\$ \$ 10 \$ \$ 10 \$ \$ 10 \$ \$ 10 \$ \$ 10	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63	\$ \$ \$ \$ \$ \$ \$	68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13	0.00  Amount  100.00 0.00 2.00  100.00 0.00  100.00 0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00 \$ - \$ \$ .
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gabe Aerial Buried Wooden Pole Gas 4" main Water	\$ 5 10 5 5 11 5 5 11 5 5 11 5 5 11 5 5 11	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25 82.50	0.00  Amount  100.00 0.00 2.00  100.00 0.00  100.00 0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00 \$ - \$ 8,250.00 \$ - \$ 8,250.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main	\$ 5 10 5 5 11 5 5 11 5 5 11 5 5 11 5 5 11	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25 82.50	0.00  Amount  100.00 0.00 2.00  100.00 0.00  100.00 0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole Gas 4" main Water 8" main Relocate Fire Hydrant (EA)	\$ 5 10 5 5 11 5 5 11 5 5 11 5 5 11 5 5 11	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25 82.50	0.00  Amount  100.00 0.00 2.00  100.00 0.00 0.00  0.00 0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer	\$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ 3 \$ 3 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13 20.63	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25 82.50 194.41 5,665.63	0.00  Amount  100.00 0.00 2.00  100.00 0.00 0.00 0.0	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00 \$ - \$ - \$ 8,250.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA)	\$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 3 \$ 3 \$ 3 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25 82.50	0.00  Amount  100.00 0.00 2.00  100.00 0.00 0.00  0.00 0.00	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00 \$ - \$ - \$ 8,250.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole Sewer 1" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	\$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ 3 \$ 3 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25 82.50 194.41 5,665.63	0.00  Amount  100.00 0.00 2.00  100.00 0.00 0.00 0.0	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total  Right of Way (Sq Ft)	\$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ 3 \$ 3 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25 82.50 194.41 5,665.63	0.00  Amount  100.00 0.00 2.00  100.00 0.00 0.00 0.0	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00 \$ - \$ - \$ 8,250.00 \$ - \$ - \$ - \$ - \$ 8,250.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole Sewer 1" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	\$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 10 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ \$ 2 \$ 3 \$ 3 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	13.75 20.63 03.13 13.75 20.63 03.13 13.75 20.63 03.13 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25 82.50 194.41 5,665.63	0.00  Amount  100.00 0.00 2.00  100.00 0.00 0.00 0.0	\$ 29,229.48 \$ 517,630.28 \$ 41,410.42 \$ 559,040.70 Total Cost \$ 8,250.00 \$ - \$ 1,718.75 \$ 8,250.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -



Diameter: 18"

**Length: 915**′

Material: Corrugated Metal Pipe (CMP)

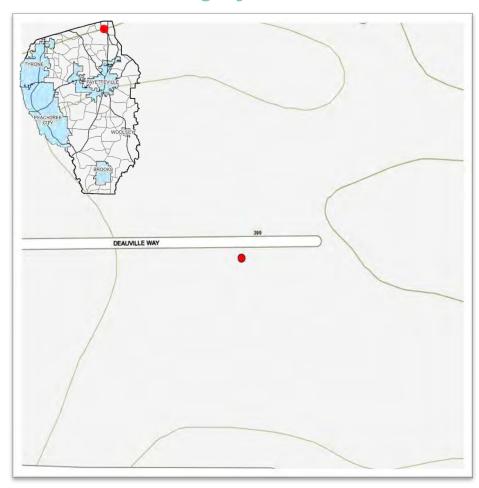
**Project Cost Estimate: \$290,410** 





## **2023 STORMWATER SPLOST**

308 Deauville Way
Category II, Tier II



Project Cost Estimate						
Design / Engineering	\$	22,312				
Right of Way Acquisition	\$	72,600				
Environmental	\$	10,000				
Utility Relocation	\$	12,375				
Construction	\$	173,123				
Total Cost Estimate	\$	290,410				



Deau	

	•			•			
Roadway Construction	Remo	val Unit Cost	Installatio	n Unit Cost	Amount	To	tal Cost
Pavement (SF)					0.00	\$	-
Curb and Gutter (LF)					0.00	\$	-
4" Sidewalk (SY)	\$	43.75	\$	82.03	9.50	\$	1,194.91
Guardrail (LF)					0.00	\$	-
End Anchorage (EA)					0.00	\$	-
Subtotal						\$	1,194.91
Grading Complete (5% of Rwy Items & Drng Total \$)						\$	6,560.07
Roadway Total						\$	7,754.98
Drainage	Remo	val Unit Cost	Installatio	n Unit Cost	Amount	To	tal Cost
Trench Excavation (CY)			\$	12.98	697.55	\$	9,054.15
18" CMP (LF)	\$	7.17			915.00		6,560.55
30" RCP (LF)			\$	135.85			82,868.50
Class A Conc (CY)			\$	1,850.86	9.92		18,360.53
Steel (lb)			\$	2.45	18.04		44.20
Pipe Bedding (CY)			\$	60.75	107.31		6,519.38
Trench Backfill (CY)			\$	3.74	653.72		2,441.63
Trench Compaction (CY)			\$	7.95	522.97	\$	4,157.64
Drainage Total						\$ 1	130,006.58
Olas Inc. and Marking			La contract			_	4.10
Signing and Marking				n Unit Cost	Amount		otal Cost
Permanent Striping (LF)			\$	1.56	0.00	\$	-
Signing and Marking Total						\$	-
Staging				n Unit Cost	Amount		otal Cost
Clearing and Grubbing (Acre)			\$	26,500.00	0.10	\$	2,650.00
Temporary Proinces (Street Diversion)			\$	5,064.24	1.00	\$	5,064.24
Temporary Drainage (Stream Diversion)			φ	5,004.24	1.00	φ	5,004.24
Staging Total						\$	7,714.24
3 3						·	,
Erosion Control				n Unit Cost	Amount		otal Cost
Fine Grading and Seeding (SY)			\$	5.49	406.67	\$	2,232.60
Temporary Grassing (AC)			\$	1,061.28	0.00		
Type C Silt Fence (LF)			\$	5.50	610.00		3,355.00
Check Dam Type C Silt Fence (LF)			\$	15.14	610.00		9,235.40
Erosion Control Mats (SY)			\$	1.97	0.00		-
Landscape Mulch (SY)			\$	12.22	0.00		-
Perm Grassing (AC)			\$ \$	2,935.65	0.00		-
Rip Rap Type 3 12" (SY)			\$ \$	129.93 7.50	0.00	\$ \$	-
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$	7.30	0.00		-
4 Diciri aving (CT)			Ψ	74.00	0.00	Ψ	_
Erosion Control Total						\$	14,823.00
Construction Cost Total						\$ 1	160,298.81
Traffic Control (8% of Construction Total \$)						\$	12,823.90
σ σοιτιστ (σνο σι σοιτοτιαστιστί Total ψ)						Ψ	72,020.00
Construction Cost Grand Total						\$ 1	173,122.71
Utility Relocation	Remo	val Unit Cost	Installatio	n Unit Cost	Amount	To	otal Cost
Electric							
Aerial	\$	13.75	\$	68.75	0.00		-
Buried	\$	20.63	\$	103.13	0.00		-
Wooden Pole	\$	103.13	\$	756.25	0.00	\$	-
Phone			_	_			
Aerial	\$	13.75	\$	68.75	0.00		-
Buried	\$	20.63	\$	103.13	0.00		-
Wooden Pole	\$	103.13	\$	756.25	0.00	ф	-
Cable Aerial	\$	13.75	\$	68.75	0.00	¢	
Buried	\$ \$	20.63	\$ \$	103.13			12,375.00
Wooden Pole	\$ \$	103.13	\$ \$	756.25	0.00		12,313.00
Gas	Ψ	100.10	Ψ	700.20	0.00	Ψ	
4" main	\$	20.63	\$	82.50	0.00	\$	-
Water							
8" main	\$	20.63	\$	194.41	0.00		-
Relocate Fire Hydrant (EA)			\$	5,665.63	0.00	\$	-
Sewer 12" main	\$	61.65	\$	102.20	0.00	¢	
Utility Relocation Total	φ	01.00	Φ	103.28	0.00		12,375.00
,						Ψ	,2,310.00
Right of Way (Sq Ft)			Cost/ Sq		Sq Ft		otal Cost
Permanent Easement			\$	5.00	14,520.00		72,600.00
ROW Total						\$	72,600.00
ROW Total							,



Diameter: 24"

Length: 93'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate:** \$134,380





## **2023 STORMWATER SPLOST**

**175 Deer Trail** Category II, Tier II



Project Cost Estimate						
Design / Engineering	\$	12,375				
Right of Way Acquisition	\$	25,000				
Environmental	\$	12,500				
Utility Relocation	\$	10,752				
Construction	\$	73,753				
Total Cost Estimate	\$	134,380				



Roadway Construction, Utility Relocation and ROW Quantity Calculations	175 Deer Trail

•					
Roadway Construction	Removal U	nit Cost	Installation Unit Cost	Amount	Total Cost
Pavement (SF)	\$	1.46	\$ 9.74	125.00	\$ 1,400.00
Curb and Gutter (LF)	\$	11.25	\$ 50.00	40.00	\$ 2,450.00
Drain Inlet (EA)			\$ 3,625.00	2.00	\$ 7,250.00
4" Sidewalk (SY)	\$	43.75	\$ 82.03	25.00	\$ 3,144.50
Guardrail (LF)				0.00	\$ -
End Anchorage (EA)				0.00	\$ -
Subtotal					\$ 14,244.50
Grading Complete (5% of Rwy Items & Drng Total \$)					\$ 2,565.78
Roadway Total					\$ 16,810.28
Drainage	Removal U	nit Cost	Installation Unit Cost	Amount	Total Cost
Trench Excavation (CY)		0001	\$ 12.98		
36" CMP (LF)	\$	24.53	Ψ 12.00		\$12,363.12
36" RCP	Ψ	24.00	\$ 165.83		\$ 9,286.48
Class A Conc (CY)			\$ 1,850.86		\$ 13,326.19
Steel (lb)			\$ 2.45		
Pipe Bedding (CY)			\$ 60.75		
Trench Backfill (CY)			\$ 3.74		
Trench Compaction (CY)			\$ 7.95		
Drainage Total					\$37,071.11
Signing and Marking			Installation Unit Cost	Amount	Total Cost
Permanent Striping (LF)			\$ 1.56	0.00	\$ -
Signing and Marking Total					\$ -
Staging			Installation Unit Cost	Amount	Total Cost
Clearing and Grubbing (Acre)			\$ 26,500.00	0.10	
Temporary Pavement					\$ -
Temporary Drainage (Stream Diversion)			\$ 5,064.24	1.00	\$ 5,064.24
Staging Total					\$ 7,714.24
3 3					,
Erosion Control			Installation Unit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)			\$ 5.49		
Temporary Grassing (AC)			\$ 1,061.28		
Type C Silt Fence (LF)			\$ 5.50		\$ 1,232.00
Check Dam Type C Silt Fence (LF)			\$ 15.14		\$ 3,391.36
Erosion Control Mats (SY)			\$ 1.97		
Landscape Mulch (SY)			\$ 12.22		
. ,			\$ 2,935.65		
Perm Grassing (AC)					
Rip Rap Type 3 12" (SY)					
Plastic Filter Fabric (SY)			\$ 7.50		
4" Ditch Paving (SY)			\$ 74.85	0.00	\$ -
Erosion Control Total					\$ 6,694.08
Construction Cost Total					\$68,289.71
Traffic Control (8% of Construction Total \$)					\$ 5,463.18
·					
Construction Cost Grand Total					\$73,752.88
Utility Relocation	Removal U	nit Cost	Installation Unit Cost	Amount	Total Cost
Electric	•	40 ==			
Aerial	\$	13.75	\$ 68.75		\$ -
Buried	\$	20.63	\$ 103.13		\$ -
Wooden Pole	\$	103.13	\$ 756.25	1	\$ -
Phone	_			_	_
Aerial	\$	13.75	\$ 68.75		\$ -
Buried	\$	20.63	\$ 103.13		\$ -
Wooden Pole	\$	103.13	\$ 756.25	•	\$ -
Cable	•	40.75			œ.
Aerial	\$	13.75	\$ 68.75		\$ -
Buried	\$	20.63	\$ 103.13		\$ -
Wooden Pole Gas	\$	103.13	\$ 756.25	)	\$ -
Gas 4" main	\$	20.63	\$ 82.50	ı	\$ -
Water	Ψ	20.03	ψ 02.30	•	Ψ -
vvater 8" main	\$	20.63	\$ 194.41	50.00	\$ 10,751.75
Relocate Fire Hydrant (EA)	Ψ	20.03	\$ 5,665.63		\$ 10,751.75
Sewer			ψ 5,005.03	0.00	Ψ -
12" main	\$	16.50	\$ 82.50		\$
Utility Relocation Total	Ψ	10.50	ψ 02.50	0.00	\$ - \$ 10,751.75
					¥ .5,751.75
Right of Way (Sq Ft)			Cost/ Sq Ft	Sq Ft	Total Cost
Permanent Easement			\$ 5.00	•	\$25,000.00
ROW Total				.,	\$25,000.00
					,,,,

Diameter: 36"

Length: 56'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate: \$140,161** 





## **2023 STORMWATER SPLOST**

130 Deerfield Lane Category II, Tier II



Project Cost Estimate						
Design / Engineering	\$	11,441				
Right of Way Acquisition	\$	25,000				
Environmental	\$	10,000				
Utility Relocation	\$	29,314				
Construction	\$	64,406				
Total Cost Estimate	\$	140,161				



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•	•				
Roadway Construction	Removal Un	it Cost	Installation Unit Cost	Amount	Total Cost
Pavement (SF)	\$	1.46	\$ 9.74	125.00	\$ 1,400.00
Curb and Gutter (LF)	\$	11.25	\$ 50.00	40.00	\$ 2,450.00
Drain Inlet (EA)			\$ 3,625.00		
4" Sidewalk (SY)	\$	43.75	\$ 82.03		
Guardrail (LF)	•		02.00	20.00	\$ -
End Anchorage (EA)					\$ -
Subtotal					\$ 14,244.50
Gubiotai					Ψ 14,244.50
Grading Complete (5% of Rwy Items & Drng Total \$)					\$ 2,153.68
Roadway Total					\$ 16,398.18
Drainage	Removal Un	it Cost	Installation Unit Cost	Amount	Total Cost
Trench Excavation (CY)			\$ 12.98	72.59	\$ 942.25
36" CMP (LF)	\$	24.53		168.00	\$ 4,121.04
36" RCP (LF)			\$ 165.83	56.00	\$ 9,286.48
Class A Conc (CY)			\$ 1,850.86	7.20	\$ 13,326.19
Steel (lb)			\$ 2.45		
Pipe Bedding (CY)			\$ 60.75		
Trench Backfill (CY)			\$ 3.74		
Trench Compaction (CY)			\$ 7.95		
Drainage Total					\$ 28,829.09
Signing and Marking			Installation Unit Cost	Amount	Total Cost
Signing and Marking			Installation Unit Cost	Amount	Total Cost
Permanent Striping (LF)			\$ 1.56	0.00	\$ -
Signing and Marking Total					\$ -
Staging			Installation Unit Cost	Amount	Total Cost
Clearing and Grubbing (Acre)			\$ 26,500.00		
0 ( )			\$ 20,500.00	0.10	
Temporary Pavement			\$ 5,064.24	1.00	\$ - \$ 5,064.24
Temporary Drainage (Stream Diversion)			\$ 5,064.24	1.00	\$ 5,004.24
Staging Total					\$ 7,714.24
Erosion Control			Installation Unit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)			\$ 5.49		
Temporary Grassing (AC)			\$ 1,061.28		
Type C Silt Fence (LF)			\$ 5.50		
Check Dam Type C Silt Fence (LF)			\$ 15.14	224.00	\$ 3,391.36
Erosion Control Mats (SY)			\$ 1.97	74.67	\$ 147.09
Landscape Mulch (SY)			\$ 12.22	74.67	\$ 912.43
Perm Grassing (AC)			\$ 2,935.65	0.00	\$ -
Rip Rap Type 3 12" (SY)			\$ 129.93	6.67	\$ 866.20
Plastic Filter Fabric (SY)			\$ 7.50		
4" Ditch Paving (SY)			\$ 74.85		
Erosion Control Total					\$ 6,693.63
Construction Cost Total					\$ 59,635.14
Traffic Control (8% of Construction Total \$)					\$ 4,770.81
Construction Cost Grand Total					\$ 64,405.96
Utility Relocation	Removal Un	it Cost	Installation Unit Cost	Amount	Total Cost
Electric					
Aerial	\$	13.75	\$ 68.75		\$ -
Buried	\$	20.63	\$ 103.13	50.00	\$ 6,187.50
Wooden Pole	\$	103.13	\$ 756.25		\$ -
Phone					
Aerial	\$	13.75	\$ 68.75		\$ -
Buried	\$	20.63	\$ 103.13		
Wooden Pole	\$	103.13	\$ 756.25		\$ -
Cable					
Aerial	\$	13.75	\$ 68.75		\$ -
Buried	\$	20.63	\$ 103.13		
Wooden Pole	\$	103.13	\$ 756.25		\$ -
Gas					•
4" main	\$	20.63	\$ 82.50		\$ -
Water					
8" main	\$	20.63	\$ 194.41	50.00	\$10,751.75
Relocate Fire Hydrant (EA)			\$ 5,665.63		
Sewer					
12" main	•				
	\$	61.65	\$ 103.28	0.00	
Utility Relocation Total	\$	61.65	\$ 103.28	0.00	\$ - \$ 29,314.25
Utility Relocation Total  Right of Way (Sq Ft)	\$	61.65	Cost/ Sq Ft	Sq Ft	
Utility Relocation Total	\$	61.65	Cost/ Sq Ft		\$ 29,314.25

Diameter: 30"

Length: 64'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate: \$140,019** 





## **2023 STORMWATER SPLOST**

# **161 Deerfield Lane**Category II, Tier II



Project Cost Estimate						
Design / Engineering	\$	11,428				
Right of Way Acquisition	\$	25,000				
Environmental	\$	10,000				
Utility Relocation	\$	29,314				
Construction	\$	64,277				
Total Cost Estimate	\$	140,019				



Deerfield	I ana	161
	ııane i	ากา

Treatment of the second of the	ity Gairdia				
Roadway Construction			Installation Unit Cos		Total Cost
Pavement (SF)	\$	1.46	\$ 9.74		
Curb and Gutter (LF)	\$	11.25	\$ 50.00		
Drain Inlet (EA)			\$ 3,625.00	2.00	
4" Sidewalk (SY)					\$ -
Guardrail (LF)					\$ -
End Anchorage (EA)					\$ -
Subtotal					\$ 11,100.00
Grading Complete (5% of Rwy Items & Drng Total \$)					\$ 2,108.19
Roadway Total					\$ 13,208.19
Drainage	Pemov	al Unit Cost	Installation Unit Cos	et Amount	Total Cost
Drainage Trench Excavation (CY)	Itemov	ai Offic Cost	\$ 12.98		\$ 1,076.86
36" CMP (LF)	\$	24.53	ψ 12.30	192.00	
36" RCP (LF)	Ψ	21.00	\$ 165.83		\$ 10,613.12
Class A Conc (CY)			\$ 1,850.86		\$ 13,326.19
Steel (lb)			\$ 2.45		
Pipe Bedding (CY)			\$ 60.75		
Trench Backfill (CY)			\$ 3.74		
Trench Compaction (CY)			\$ 7.95	48.97	\$ 389.28
Drainage Total					\$ 31,063.82
Signing and Marking			Installation Unit Cos	st Amount	Total Cost
Permanent Striping (LF)			\$ 1.56		
			, 1.50	0.00	-
Signing and Marking Total					\$ -
Staging			Installation Unit Cos	st Amount	Total Cost
Stagring Clearing and Grubbing (Acre)			\$ 26,500.00		\$ 2,650.00
Temporary Pavement			φ 20,500.00	0.10	\$ 2,050.00
Temporary Drainage (Stream Diversion)			\$ 5,064.24	1.00	
Temporary Brainage (Greath Biversion)			ψ 0,004.24	1.00	Ψ 0,004.24
Staging Total					\$ 7,714.24
Fracian Control			Installation Unit Co.	at Amount	Total Coat
Erosion Control			Installation Unit Cos		Total Cost
Fine Grading and Seeding (SY)			\$ 5.49 \$ 1,061.28		
Temporary Grassing (AC) Type C Silt Fence (LF)			\$ 1,061.28 \$ 5.50		
Check Dam Type C Silt Fence (LF)			\$ 15.14		
Erosion Control Mats (SY)			\$ 1.97		\$ 168.11
Landscape Mulch (SY)			\$ 12.22		
Perm Grassing (AC)			\$ 2,935.65		
Rip Rap Type 3 12" (SY)			\$ 129.93		\$ 866.20
Plastic Filter Fabric (SY)			\$ 7.50	6.67	\$ 50.00
4" Ditch Paving (SY)			\$ 74.85	0.00	\$ -
Erosion Control Total					\$ 7,529.87
Construction Cost Total					\$ 59,516.13
Traffic Control (8% of Construction Total \$)					\$ 4,761.29
· · · · · · · · · · · · · · · · · · ·					. ,
Construction Cost Grand Total					\$ 64,277.42
Utility Relocation	Remova	al Unit Cost	Installation Unit Cos	st Amount	Total Cost
Electric Aerial	œ.	10 75	¢ 60.75	:	¢
Aeriai Buried	\$ \$	13.75 20.63	\$ 68.75 \$ 103.13		\$ - \$ 6,187.50
Buried Wooden Pole	\$ \$	103.13	\$ 756.25		\$ 6,187.50
Wooden Pole Phone	Ψ	100.10	ψ / 100.25	•	Ψ -
Aerial	\$	13.75	\$ 68.75	;	\$ -
Buried	\$ \$	20.63	\$ 103.13		\$ 6,187.50
Wooden Pole	\$	103.13	\$ 756.25		\$ -
Cable	•				•
Aerial	\$	13.75	\$ 68.75	5	\$ -
Buried	\$	20.63	\$ 103.13	50.00	
Wooden Pole	\$	103.13	\$ 756.25	;	\$ -
Gas					
4" main	\$	20.63	\$ 82.50	)	\$ -
Water					
8" main	\$	20.63	\$ 194.41		\$ 10,751.75
Relocate Fire Hydrant (EA)			\$ 5,665.63		\$ -
Sewer	_			0.00	_
12" main Utility Relocation Total	\$	61.65	\$ 103.28	0.00	\$ - \$ 29,314.25
Ounty NeiOcation Total					ψ 25,314.25
Right of Way (Sq Ft)			Cost/ Sq Ft	Sq Ft	Total Cost
Permanent Easement			\$ 5.00	5,000.00	\$ 25,000.00
ROW Total					\$ 25,000.00

Diameter: 54"

Length: 82'

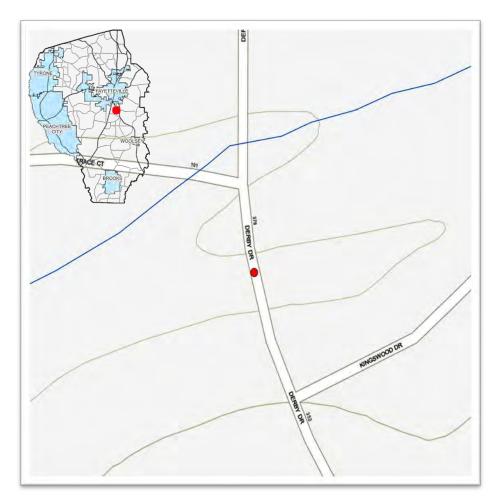
Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate: \$255,644** 





# 2023 STORMWATER SPLOST 325 Derby Drive Category II, Tier II



Project Cost Estim	ate	
Design / Engineering	\$	23,862
Right of Way Acquisition	\$	10,890
Environmental	\$	10,000
Utility Relocation	\$	22,275
Construction	\$	188,617
Total Cost Estimate	\$	255,644



225	Derby	Drive

Roadway Construction		al Unit Cost	Installation		Amount		tal Cost
Pavement (SF)	\$	1.46	\$	9.74	169.00	\$	1,892.80
Curb and Gutter (LF)					0.00	\$	-
Drain Inlet (EA)					0.00	\$	-
4" Sidewalk (SY)					0.00		-
Guardrail (LF)					0.00		-
End Anchorage (EA)					0.00	\$	-
Subtotal						\$	1,892.80
Grading Complete (5% of Rwy Items & Drng Total \$)						\$	6,743.92
Roadway Total						\$	8,636.72
Drainage	Remova	al Unit Cost	Installation		Amount		tal Cost
Trench Excavation (CY)	_		\$	12.98	217.81	\$	2,827.18
54" CMP (LF)	\$	30.75	_		154.00		14,206.50
54" RCP (LF)			\$	281.96			80,373.84
Class A Conc (CY)			\$	1,850.86	17.58		32,538.12
Steel (lb)			\$	2.45	0.00		-
Pipe Bedding (CY)			\$	60.75	18.54		1,126.13
Trench Backfill (CY)			\$	3.74	189.59		708.12
Trench Compaction (CY)			\$	7.95	151.67	\$	1,205.80
Drainage Total						\$ 1	32,985.68
Signing and Marking			Installation	Unit Cost	Amount	To	tal Cost
Permanent Striping (LF)			\$	1.56		\$	-
, , ,							
Signing and Marking Total						\$	-
Staging			Installation	Unit Cost	Amount	ΤΛ	tal Cost
Clearing and Grubbing (Acre)			\$	26,500.00	0.25	\$	6,625.00
Temporary Pavement			Φ	20,500.00	0.25	\$	0,025.00
Temporary Drainage (Stream Diversion)			\$	5,064.24	2.00		10,128.48
remporary Dramage (Stream Diversion)			φ	5,004.24	2.00	φ	10,120.40
Staging Total						\$	16,753.48
Erosion Control			Installation	Unit Cost	Amount	То	tal Cost
Fine Grading and Seeding (SY)			\$	5.49	36.83	\$	202.22
Temporary Grassing (AC)			\$	1,061.28	0.00	\$	-
Type C Silt Fence (LF)			\$	5.50	616.00	\$	3,388.00
Check Dam Type C Silt Fence (LF)			\$	15.14	616.00	\$	9,326.24
Erosion Control Mats (SY)			\$	1.97	68.44	\$	134.84
Landscape Mulch (SY)			\$	12.22	68.44		836.39
Perm Grassing (AC)			\$	2,935.65	0.00		-
Rip Rap Type 3 12" (SY)			\$	129.93	17.33		2,252.12
Plastic Filter Fabric (SY)			\$	7.50	17.33		130.00
4" Ditch Paving (SY)			\$	74.85	0.00	\$	-
Erosion Control Total						\$	16,269.80
Construction Cost Total						<b>¢</b> 1	174,645.69
Traffic Control (8% of Construction Total \$)							13,971.65
Construction Cost Grand Total						\$ 1	188,617.34
Utility Relocation	Remova	al Unit Cost	Installation	Unit Cost	Amount	То	tal Cost
Electric							
Aerial	\$	13.75	\$	68.75	0.00		-
Buried	\$	20.63	\$	103.13	60.00		7,425.00
Wooden Pole	\$	103.13	\$	756.25	0.00	\$	-
Phone	•	40 ==	•	00.75	2.5-	•	
Aerial	\$	13.75	\$	68.75	0.00		7 405 00
Buried Wooden Pole	\$	20.63	\$	103.13	60.00		7,425.00
Wooden Pole Cable	\$	103.13	φ	756.25	0.00	Ф	-
Aerial	\$	13.75	\$	68.75	0.00	Ф	
Buried	э \$	20.63	\$ \$	103.13	60.00		7,425.00
Wooden Pole	Ф \$	103.13	\$ \$	756.25	0.00		1,720.00
Gas	Ψ	100.13	Ψ	100.20	0.00	Ψ	-
4" main	\$	20.63	\$	82.50	0.00	\$	_
Water	•		,		2.30		
8" main	\$	20.63	\$	194.41	0.00	\$	-
Sewer			\$	5,665.63			
12" main					0.00		-
Utility Relocation Total	\$	61.65	\$	103.28		\$	22,275.00
Right of Way (Sq Ft)			Cost/ Sq Ft		Sq Ft	To	tal Cost
Permanent Easement			\$	5.00	2,178.00	\$	10,890.00
ROW Total							10,890.00

# F88 10, Alex at Hathad F8. Jal. Fermony D. Feneta Count of A. Bradigamental Managamen

**Existing Conditions** 

Diameter: 30"

Length: 480'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate: \$266,401** 





# 2023 STORMWATER SPLOST 133 Fernway Drive Category II, Tier II



Project Cost Estin	nate	
Design / Engineering	\$	26,640
Right of Way Acquisition	\$	24,500
Environmental	\$	10,000
Utility Relocation	\$	22,275
Construction	\$	182,986
Total Cost Estimate	\$	266,401



	_					_	
Roadway Construction		al Unit Cost	Installation		Amount		tal Cost
Pavement (SF)	\$	1.46	\$	9.74	161.00	\$	1,803.20
Curb and Gutter (LF)	\$	11.25	\$	50.00	161.00		9,861.25
Catch Basin (EA)	\$	943.06	\$	5,027.02	2.00		11,940.16
Junction Box (EA)			\$	4,990.94	1.00		4,990.94
Guardrail (LF)					0.00		-
End Anchorage (EA)					0.00		- 20 505 55
Subtotal						\$	28,595.55
Grading Complete (5% of Rwy Items & Drng Total \$)						\$	8,104.93
Roadway Total						\$	36,700.48
Drainage	Remov	al Unit Cost	Installation	Unit Cost	Amount	Τn	tal Cost
Trench Excavation (CY)	TOHIOV	ai Onit Oost	\$	12.98	480.00		6,230.40
30" CMP (LF)	\$	30.75	•	12.00	0.00		-
30" RCP (LF)	Ψ	00.70	\$	135.85	480.00		65,208.00
Flowable Fill (CY)			\$	752.80	74.00		55,707.20
Steel (lb)			\$	2.45	0.00		-
Pipe Bedding (CY)			\$	60.75	18.54		1,126.13
Trench Backfill (CY)			\$	3.74	518.22		1,935.54
Trench Compaction (CY)			\$	7.95	414.57		3,295.86
Drainage Total						\$	133,503.13
Signing and Marking			Installation		Amount		tal Cost
Permanent Striping (LF)			\$	1.56		\$	-
Signing and Marking Total						\$	-
Staging			Installation	Unit Cost	Amount	To	tal Cost
Clearing and Grubbing (Acre)			\$	26,500.00	0.10		2,650.00
Temporary Pavement			Ψ	20,300.00	0.10	\$	2,030.00
. ,			\$	E 064 24	0.00		-
Temporary Drainage (Stream Diversion)			Ф	5,064.24	0.00	Ф	-
Staging Total						\$	2,650.00
						_	
Erosion Control			Installation		Amount		tal Cost
Fine Grading and Seeding (SY)			\$	5.49			202.22
Temporary Grassing (AC)			\$	1,061.28	0.00		-
Type C Silt Fence (LF)			\$	5.50	0.00		-
Check Dam Type C Silt Fence (LF)			\$	15.14	0.00		-
Erosion Control Mats (SY)			\$	1.97	0.00		-
Landscape Mulch (SY)			\$	12.22	0.00		700.04
Perm Grassing (AC)			\$	2,935.65	0.25		733.91
Rip Rap Type 3 12" (SY)			\$	129.93	0.00		-
Plastic Filter Fabric (SY)			\$	7.50	0.00	\$	-
4" Ditch Paving (SY)			\$	74.85	0.00	\$	-
Erosion Control Total						\$	936.13
Construction Cost Total						\$	173,789.74
Traffic Control (5% of Construction Total \$)						\$	8,689.49
Construction Cost Grand Total						\$	182,986.00
Hallita Delegation	Damai	al I lait Coat	Installation	Linit Coat	Amount	т.	tal Coot
Utility Relocation Electric	I CHIOV	al Unit Cost	mətallatiON	Orint COSt	Amount	10	tal Cost
Aerial	\$	13.75	\$	68.75	0.00	\$	
Buried	\$	20.63	\$	103.13	0.00		_
Wooden Pole	\$	103.13	\$	756.25	0.00		-
Phone			•			٠	
Aerial	\$	13.75	\$	68.75	0.00	\$	-
Buried	\$	20.63	\$	103.13	46.56		5,761.43
Wooden Pole	\$	103.13		756.25	0.00		-
Cable							
Aerial	\$	13.75	\$	68.75	0.00	\$	-
Buried	\$	20.63	\$	103.13	46.56	\$	5,761.43
Wooden Pole	\$	103.13	\$	756.25	0.00	\$	-
Gas							
4" main	\$	20.63	\$	82.50	0.00	\$	-
Water							
8" main	\$	20.63	\$	194.41	50.00	\$	10,751.75
Sewer			\$	5,665.63			
12" main				,	0.00		-
Utility Relocation Total	\$	61.65	\$	103.28		\$	22,274.61
Right of Way (Sq Ft)			Cost/ Sq Ft		Sq Ft	To	tal Cost
Permanent Easement			\$	5.00	4,900.00	\$	
ROW Total			7	0.00	.,500.00		24,500.00
I COV I OLAI						φ	24,500.00



Diameter: Two - 60" X 84" Elliptical

Length: 80'

Material: Corrugated Metal Pipe (CMP)

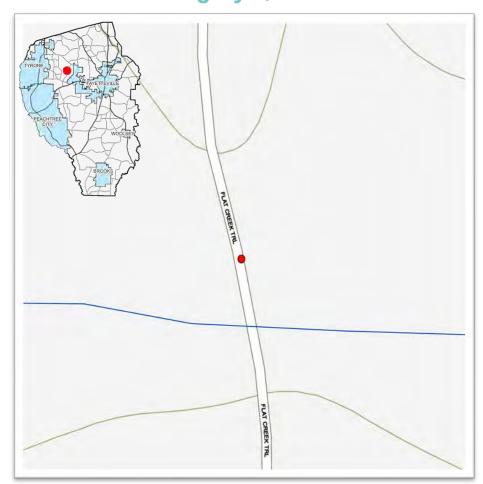
**Project Cost Estimate: \$943,178** 





## **2023 STORMWATER SPLOST**

# **584 Flat Creek Trail**Category II, Tier II



Project Cost Estima	te	
Design / Engineering	\$	89,016
Right of Way Acquisition	\$	52,500
Environmental	\$	15,000
Utility Relocation	\$	21,504
Construction	\$	765,159
Total Cost Estimate	\$	943,178



Roadway Construction	Remov	al Unit Cost	Installation Unit Cost	Amount	Total Cos
Pavement (SF)	\$	1.46	\$ 9.7	4 1,536.00	\$ 17,203
Curb and Gutter (LF)				0.00	
Orain Inlet (EA)				0.00	
,					
4" Sidewalk (SY)	_			0.00	
Guardrail (LF)	\$	16.99	\$ 61.3	600.00	\$ 47,01
End Anchorage (EA)			\$ 2,028.0	5 2.00	\$ 4,056
Subtotal					\$ 68,270
34213141					Ψ 00,27
Grading Complete (5% of Rwy Items & Drng Total \$	5)				\$ 31,696
Roadway Total					\$ 99,967
Drainage	Remov	al Unit Cost	Installation Unit Cost	Amount	Total Cos
French Excavation (CY)			\$ 12.9		\$ 17,498
	\$	78.75	Ψ 12.0	,	
72" CMP (LF)	Ф	70.75			\$ 33,075
72" RCP				0.00	
Class A Conc (CY)			\$ 1,850.8	6 232.53	\$ 430,380
Steel (lb)			\$ 2.4	5 26,567.00	\$ 65,089
Pipe Bedding (CY)			\$ 60.7	5 85.30	\$ 5,18
French Backfill (CY)			\$ 3.7		
French Compaction (CY)			\$ 7.9	,	
					<b>*</b> FCF CF'
Orainage Total					\$ 565,653
Signing and Marking			Installation Unit Cost		Total Cos
Permanent Striping (LF)			\$ 1.5	66 128.00	\$ 199
Signing and Marking Total					\$ 199
Planing			Installation 11 '10'	A 1	Total O
Staging			Installation Unit Cost		Total Cos
Clearing and Grubbing (Acre)			\$ 26,500.0	0.20	\$ 5,300
Геmporary Pavement					\$
remporary Drainage (Stream Diversion)			\$ 5,064.2	2.00	\$ 10,128
Staging Total					\$ 15,827
Erosion Control			Installation Unit Cost	Amount	Total Cos
Fine Grading and Seeding (SY)			\$ 5.4		
Temporary Grassing (AC)			\$ 1,061.2		
Гуре C Silt Fence (LF)			\$ 5.5	560.00	\$ 3,080
Check Dam Type C Silt Fence (LF)			\$ 15.1	4 560.00	\$ 8,478
Erosion Control Mats (SY)			\$ 1.9	7 186.67	\$ 367
_andscape Mulch (SY)			\$ 12.2		
Perm Grassing (AC)			\$ 2,935.6		
			\$ 129.9		
Rip Rap Type 3 12" (SY)					
Plastic Filter Fabric (SY)			\$ 7.5		
I" Ditch Paving (SY)			\$ 74.8	0.00	\$
Erosion Control Total					\$ 26,832
Construction Cost Total					\$ 708,480
Fraffic Control (8% of Construction Total \$)					\$ 56,678
, , , , , , , , , , , , , , , , , , ,					
Construction Cost Grand Total					\$ 765,158
Jtility Relocation	Remov	al Unit Cost	Installation Unit Cost	Amount	Total Cos
Electric	•	40 ==	o ====	· -	•
Aerial	\$	13.75	\$ 68.7		\$
Buried	\$	20.63	\$ 103.1		\$
Vooden Pole	\$	103.13	\$ 756.2	25	\$
Phone					
Aerial	\$	13.75	\$ 68.7	5	\$
Buried	\$	20.63	\$ 103.1		\$
Vooden Pole	\$	103.13	\$ 756.2		\$
Cable	Ψ	100.13	ψ 130.2		Ψ
		40 ==	<b>.</b>	· -	•
	Φ.	13.75	\$ 68.7		\$
Aerial	\$				\$
Aerial Buried	\$	20.63	\$ 103.1		
Aerial			\$ 103.1 \$ 756.2		\$
Aerial Buried	\$	20.63			\$
Aerial Buried Wooden Pole	\$	20.63		25	\$
Aerial Buried Wooden Pole Gas	\$ \$	20.63 103.13	\$ 756.2	25	
Aerial Buried Wooden Pole Gas I" main	\$ \$	20.63 103.13	\$ 756.2 \$ 82.5	50	\$
Aerial Buried Wooden Pole Gas L" main Water B" main	\$ \$	20.63 103.13 20.63	\$ 756.2 \$ 82.5 \$ 194.4	5 60 .1 100.00	\$ \$ 21,503
Aerial Buried Wooden Pole Gas I" main Water 3" main Relocate Fire Hydrant (EA)	\$ \$	20.63 103.13 20.63	\$ 756.2 \$ 82.5	5 50 1 100.00 3	\$
Aerial Buried Wooden Pole Gas I" main Water 3" main Relocate Fire Hydrant (EA) Sewer	\$ \$ \$	20.63 103.13 20.63 20.63	\$ 756.2 \$ 82.5 \$ 194.4 \$ 5,665.6	25 60 .1 100.00 .3 0.00	\$ \$ 21,503 \$
Aerial Buried Wooden Pole Gas L" main Water B'" main Relocate Fire Hydrant (EA) Sewer 12" main	\$ \$	20.63 103.13 20.63	\$ 756.2 \$ 82.5 \$ 194.4	55 50 .1 100.00 3 0.00	\$ 21,500 \$
Aerial Buried Wooden Pole Gas J" main Water J" main Relocate Fire Hydrant (EA) Sewer 2" main	\$ \$ \$	20.63 103.13 20.63 20.63	\$ 756.2 \$ 82.5 \$ 194.4 \$ 5,665.6 \$ 103.2	25 50 21 100.00 33 0.00 28 0.00	\$ 21,500 \$ \$ \$ 21,500
Aerial Buried Wooden Pole Gas I" main Water 3" main Relocate Fire Hydrant (EA) Sewer	\$ \$ \$	20.63 103.13 20.63 20.63	\$ 756.2 \$ 82.5 \$ 194.4 \$ 5,665.6	25 30 41 100.00 33 0.00 88 0.00 Sq Ft	\$ 21,503 \$ \$ 21,503 Total Cos



Diameter: 60"

Length: 80'

Material: Corrugated Metal Pipe (CMP)

Project Cost Estimate: \$235,975





## **2023 STORMWATER SPLOST**

## 165 Grandchester Way Category II, Tier II



Project Cost Estimate					
Design / Engineering	\$	17,682			
Right of Way Acquisition	\$	37,500			
Environmental	\$	10,000			
Utility Relocation	\$	43,971			
Construction	\$	126,821			
Total Cost Estimate	\$	235,975			



Roadway Construction	Removal Uni	t Cost	Installation U	Init Cost	Amount	To	tal Cost
•	\$	1.46				\$	
Pavement (SF)			\$	9.74	168.00		1,881.60
Curb and Gutter (LF)	\$	11.25	\$	50.00	40.00		2,450.00
Drain Inlet (EA)			\$	3,625.00	2.00	\$	7,250.00
Junction Box (EA)			\$	4,990.94	2.00	\$	9,981.88
4" Sidewalk (SY)			*	.,		\$	-,
* *							_
Guardrail (LF)						\$	-
End Anchorage (EA)						\$	-
Subtotal						\$	21,563.48
0 11 0 11 (52) (50 11 0 0 7 110)							
Grading Complete (5% of Rwy Items & Drng Total \$)						\$	4,837.44
Roadway Total						\$	26,400.92
Drainaga	Removal Uni	t Cost	Installation l	Init Cost	Amount	То	tal Cost
Drainage	Removal On	i Cosi					
Trench Excavation (CY)			\$	12.98	186.67	\$	2,422.93
60" CMP (LF)	\$	30.75			80.00	\$	2,460.00
60" RCP (LF)			\$	346.63	80.00	\$	27,730.40
Class A Conc (CY)			\$	1,850.86	21.58	\$	39,941.56
Steel (lb)			\$	2.45	0.00		· -
Pipe Bedding (CY)			\$	60.75	20.74		1,260.00
Trench Backfill (CY)			\$	3.74	135.75		507.02
Trench Compaction (CY)			\$	7.95	108.60	\$	863.36
Drainage Total						\$	75,185.27
Signing and Marking			Installation l		Amount		tal Cost
Permanent Striping (LF)			\$	1.56	0.00	\$	-
Circina and Maddina Tatal						Φ.	
Signing and Marking Total						\$	-
Staging			Installation l	Unit Cost	Amount	To	tal Cost
Clearing and Grubbing (Acre)				26,500.00	0.10	\$	2,650.00
			Ψ	20,000.00	0.10	\$	2,000.00
Temporary Pavement			•	5 004 04	4.00		-
Temporary Drainage (Stream Diversion)			\$	5,064.24	1.00	\$	5,064.24
Staging Total						\$	7,714.24
Erosion Control			Installation l	Unit Cost	Amount	To	tal Cost
Fine Grading and Seeding (SY)			\$	5.49	43.56		239.12
• • · · · ·							200.12
Temporary Grassing (AC)			\$	1,061.28	0.00		-
Type C Silt Fence (LF)			\$	5.50	320.00	\$	1,760.00
Check Dam Type C Silt Fence (LF)			\$	15.14	320.00	\$	4,844.80
Erosion Control Mats (SY)			\$	1.97	0.00	\$	-
Landscape Mulch (SY)			\$	12.22	0.00	\$	_
Perm Grassing (AC)			\$	2,935.65	0.00		_
Rip Rap Type 3 12" (SY)			\$	129.93	9.33		1,212.68
Plastic Filter Fabric (SY)			\$	7.50	9.33		70.00
4" Ditch Paving (SY)			\$	74.85	0.00	\$	-
Erosion Control Total						\$	8,126.60
LIOSION CONTROL TOTAL						Ψ	0,120.00
Construction Cost Total						\$ 1	117,427.03
Traffic Control (8% of Construction Total \$)						\$	9,394.16
Construction Cost Grand Total						\$ 1	126,821.19
Utility Relocation	Removal Uni	ι Cost	Installation l	Unit Cost	Amount	IC	tal Cost
Electric			_				
Aerial	\$	13.75	\$	68.75		\$	-
Buried	\$	20.63	\$	103.13	75.00	\$	9,281.25
Wooden Pole		103.13	\$	756.25		\$	_
Phone	•						
Aerial	\$	13.75	\$	68.75		\$	
					75.00		0.004.05
Buried	\$	20.63	\$	103.13	75.00		9,281.25
Wooden Pole	\$	103.13	\$	756.25		\$	-
Cable	_		_				
Aerial	\$	13.75	\$	68.75		\$	-
Buried	\$	20.63	\$	103.13	75.00	\$	9,281.25
Wooden Pole		103.13	\$	756.25		\$	-
Gas			-	= =		٠	
4" main	\$	20.63	\$	82.50		\$	
Water	Ψ	20.00	<b>~</b>	02.00		Ψ	-
	¢	20.00	œ	101 11	75.00	e	16 407 00
8" main	\$	20.63	\$	194.41	75.00		16,127.63
Relocate Fire Hydrant (EA)			\$	5,665.63		\$	-
Sewer	•		_	,	0.00	_	
12" main		61.65	\$	103.28	0.00		-
Utility Relocation Total	\$	01.00	·				
	\$	01.00	•			\$	43,971.38
Pight of Way (Sg Et)	\$	01.00			Sa Et		
	\$	01.00	Cost/ Sq Ft		Sq Ft	То	otal Cost
Right of Way (Sq Ft) Permanent Easement	\$	01.00		5.00	Sq Ft 7,500.00	To	otal Cost 37,500.00
	\$	01.00	Cost/ Sq Ft			To	otal Cost



Diameter: 60"

Length: 48'

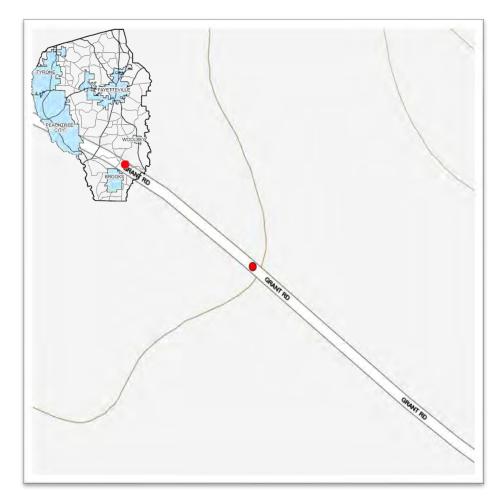
Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate: \$122,525** 





# 2023 STORMWATER SPLOST 250 Grant Road Category II, Tier II



Project Cost Estir	mate	
Design / Engineering	\$	13,798
Right of Way Acquisition	\$	0
Environmental	\$	10,000
Utility Relocation	\$	10,752
Construction	\$	87,976
Total Cost Estimate	\$	122,525



Roadway Construction					
	Remov	al Unit Cost	Installation Unit Cost	Amount	Total Cost
Pavement (SF)	\$	1.46	\$ 9.74	168.00	\$ 1,881.6
, ,	Ψ	1.40	Ψ 5.74	100.00	. ,
Curb and Gutter (LF)					\$ -
Drain Inlet (EA)					\$ -
4" Sidewalk (SY)					\$ -
Guardrail (LF)					\$ -
End Anchorage (EA)					\$ -
Subtotal					\$ 1,881.6
Grading Complete (5% of Rwy Items & Drng Total \$)					¢ 3 152 6
Grading Complete (5% of Rwy items & Ding Total \$)					\$ 3,152.6
Roadway Total					\$ 5,034.2
Drainage	Remov	al Unit Cost	Installation Unit Cost	Amount	Total Cost
Trench Excavation (CY)			\$ 12.98	118 22	\$ 1,534.5
60" CMP (LF)	\$	30.75	.2.00		\$ 1,476.0
	Ψ	30.73	ф 24C C2		
60" RCP (LF)			\$ 346.63		\$ 16,638.2
Class A Conc (CY)			\$ 1,850.86		\$ 39,941.5
Steel (lb)			\$ 2.45	0.00	\$ -
Pipe Bedding (CY)			\$ 60.75	12.44	\$ 756.0
Trench Backfill (CY)			\$ 3.74	81.76	\$ 305.3
Trench Compaction (CY)			\$ 7.95	65.41	\$ 519.9
Drainage Tatal					¢ 61 171 6
Drainage Total					\$61,171.6
Signing and Marking			Installation Unit Cost	Amount	Total Cost
Permanent Striping (LF)			\$ 1.56	0.00	\$ -
Signing and Marking Total					\$ -
Staging			Installation Unit Cost	Amount	Total Cost
Clearing and Grubbing (Acre)			\$ 26,500.00	0.10	
0			φ 20,000.00	0.10	. ,
Temporary Pavement					\$ -
Гетрогагу Drainage (Stream Diversion)			\$ 5,064.24	1.00	\$ 5,064.2
Staging Total					\$ 7,714.2
Francisco Combrell				A	T-4-1 04
Erosion Control			Installation Unit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)			\$ 5.49	18.67	\$ 102.4
Temporary Grassing (AC)			\$ 1,061.28	0.00	\$ -
Type C Silt Fence (LF)			\$ 5.50	192.00	\$ 1,056.0
Check Dam Type C Silt Fence (LF)			\$ 15.14	192.00	\$ 2,906.8
Erosion Control Mats (SY)			\$ 1.97	64.00	
Landscape Mulch (SY)			\$ 12.22	64.00	
. , ,			\$ 2,935.65	0.00	
Perm Grassing (AC)					
Rip Rap Type 3 12" (SY)			\$ 129.93		\$ 2,425.3
Plastic Filter Fabric (SY)			\$ 7.50	18.67	\$ 140.0
4" Ditch Paving (SY)			\$ 74.85	0.00	\$ -
Erosion Control Total					
					\$ 7.538.8
Construction Cost Total  Traffic Control (8% of Construction Total \$)					\$ 7,538.8 \$81,459.0 \$ 6,516.7
Construction Cost Total  Fraffic Control (8% of Construction Total \$)					\$ 81,459.0 \$ 6,516.7
Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total	Pomo	ral Unit Cost	Installation Unit Cost	Amount	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Jtility Relocation	Remov	ral Unit Cost	Installation Unit Cost	Amount	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric				Amount	\$81,459.0 \$ 6,516.7 \$87,975.8 Total Cost
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Jtility Relocation  Electric  Aerial	\$	13.75	\$ 68.75	Amount	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cost
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried	\$ \$	13.75 20.63	\$ 68.75 \$ 103.13	Amount	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cost
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole	\$	13.75	\$ 68.75	Amount	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cost
Construction Cost Total	\$ \$ \$	13.75 20.63	\$ 68.75 \$ 103.13	Amount	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cost \$ - \$ - \$ -
Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone	\$ \$	13.75 20.63	\$ 68.75 \$ 103.13	Amount	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cos \$ - \$ -
Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial	\$ \$ \$	13.75 20.63 103.13 13.75	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	Amount	\$81,459.0 \$ 6,516.7 \$87,975.8 Total Cost \$ - \$ - \$ -
Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Buried	\$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	Amount	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cosi \$ - \$ - \$ - \$ -
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Wooden Pole	\$ \$ \$	13.75 20.63 103.13 13.75	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	Amount	\$81,459.0 \$ 6,516.7 \$87,975.8 Total Cost \$ - \$ - \$ -
Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable	\$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	Amount	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric Aerial  Buried  Wooden Pole Phone Aerial  Buried  Wooden Pole Cable Cable Cable Carial	\$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	Amount	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cosi \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried	\$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	Amount	\$81,459.0 \$ 6,516.7 \$87,975.8 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole	\$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	Amount	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cosi \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	Amount	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cass  4" main	\$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	Amount	\$81,459.0 \$ 6,516.7 \$87,975.8 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cass  4" main Water	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50		\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cos \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Casle Casle Wooden Pole Casle Casle Wooden Pole Casle Casle Wooden Pole Casle	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.41		\$81,459.0 \$ 6,516.7 \$87,975.8 Total Cos \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas  '" main Relocate Fire Hydrant (EA)	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50	50.00	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cos \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas  '" main Relocate Fire Hydrant (EA)	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.41		\$81,459.0 \$ 6,516.7 \$87,975.8 Total Cos \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.41	50.00	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cose \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas L" main Water " main Relocate Fire Hydrant (EA) Gewer		13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.41 \$ 5,665.63	50.00 0.00	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cos \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total		13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.41 \$ 5,665.63 \$ 103.28	50.00 0.00 0.00	\$ 81,459.0 \$ 6,516.7 \$ 87,975.8 Total Cos \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Total  Fraffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric Aerial Buried  Wooden Pole Phone Aerial Buried  Wooden Pole Cable Leerial Buried  Wooden Pole Cable Carial Buried  Wooden Fole Cable Cacherial Buried  Wooden Fole Cable Cacherial Buried  Wooden Fole Cable Cacherial Buried  Seerer  Buried  Wooden Fole Cacherial Buried  Seewer  Buried  Wooden Fole Cacherial Buried  W		13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 82.50 \$ 194.41 \$ 5,665.63	50.00 0.00	\$81,459.0 \$ 6,516. \$87,975.1 Total Cos \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -



Diameter: 60"

Length: 48'

Material: Corrugated Metal Pipe (CMP)

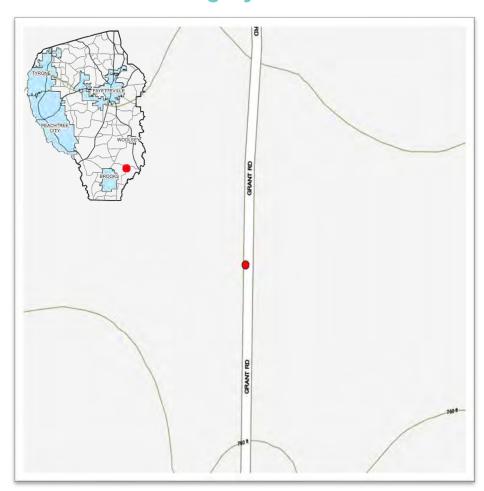
Project Cost Estimate: \$122,525





### **2023 STORMWATER SPLOST**

**426 Grant Road** Category II, Tier II



Project Cost Estimate							
Design / Engineering	\$	13,798					
Right of Way Acquisition	\$	0					
Environmental	\$	10,000					
Utility Relocation	\$	10,752					
Construction	\$	87,976					
Total Cost Estimate	\$	122,525					



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Roadway Construction		I Unit Cost	Installation U		Amount	Total Cost
Pavement (SF)	\$	1.46	\$	9.74	168.00	\$ 1,881.60
Curb and Gutter (LF)						\$ -
Drain Inlet (EA)						\$ -
4" Sidewalk (SY)						\$ - \$ -
Guardrail (LF) End Anchorage (EA)						ъ - \$ -
Subtotal						\$ 1,881.60
						<b>4</b> 1,00 1100
Grading Complete (5% of Rwy Items & Drng Total \$)						\$ 3,152.66
Roadway Total						\$ 5,034.26
Drainage	Remova	al Unit Cost	Installation L	Init Cost	Amount	Total Cost
Trench Excavation (CY)	Ttomove	ii Onii Ooot	\$	12.98		\$ 1,534.52
60" CMP (LF)	\$	30.75	•	.2.00		\$ 1,476.00
60" RCP (LF)			\$	346.63		\$ 16,638.24
Class A Conc (CY)			\$	1,850.86	21.58	\$39,941.56
Steel (lb)			\$	2.45	0.00	\$ -
Pipe Bedding (CY)			\$	60.75	12.44	\$ 756.00
Trench Backfill (CY)			\$	3.74	81.76	
Trench Compaction (CY)			\$	7.95	65.41	\$ 519.99
Drainage Total						\$61,171.69
Signing and Marking			Installation U	Jnit Cost	Amount	Total Cost
Permanent Striping (LF)			\$	1.56	0.00	\$ -
Signing and Marking Total						\$ -
Signing and Marking Total						φ -
Staging			Installation L	Init Cost	Amount	Total Cost
Clearing and Grubbing (Acre)			\$	26,500.00	0.10	\$ 2,650.00
Temporary Pavement						\$ -
Temporary Drainage (Stream Diversion)			\$	5,064.24	1.00	\$ 5,064.24
Staging Total						\$ 7,714.24
Erosion Control			Installation U	Jnit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)			\$	5.49	18.67	\$ 102.48
Temporary Grassing (AC)			\$	1,061.28	0.00	\$ -
Type C Silt Fence (LF)			\$	5.50		\$ 1,056.00
Check Dam Type C Silt Fence (LF)			\$	15.14		\$ 2,906.88
Erosion Control Mats (SY)			\$	1.97	64.00	
Landscape Mulch (SY)			\$ \$	12.22	64.00 0.00	
Perm Grassing (AC) Rip Rap Type 3 12" (SY)			\$ \$	2,935.65 129.93	18.67	\$ 2,425.36
Plastic Filter Fabric (SY)			\$	7.50	18.67	
4" Ditch Paving (SY)			\$	74.85	0.00	
Erosion Control Total						\$ 7,538.88
Construction Cost Total						\$81,459.08
Traffic Control (8% of Construction Total \$)						\$ 6,516.73
Construction Cost Grand Total						\$87,975.80
Utility Relocation	Remova	al Unit Cost	Installation L	Jnit Cost	Amount	Total Cost
Electric	. 10.71076	2 3500		5001	va.it	1111 0300
Aerial	\$	13.75	\$	68.75		\$ -
Buried	\$	20.63	\$	103.13		\$ -
Wooden Pole	\$	103.13	\$	756.25		\$ -
Phone	•		•	00 ==		•
Aerial Buried	\$	13.75 20.63	\$	68.75 103.13		\$ - \$ -
Wooden Pole	\$ \$	103.13	\$ \$	756.25		\$ -
Cable	¥	100.10	Ψ	, 50.20		· -
Aerial	\$	13.75	\$	68.75		\$ -
Buried	\$	20.63	\$	103.13		\$ -
Wooden Pole	\$	103.13	\$	756.25		\$ -
Gas	•	00.00	<b>c</b>	00.50		Φ.
4" main Water	\$	20.63	\$	82.50		\$ -
Water 8" main	\$	20.63	\$	194.41	50.00	\$ 10,751.75
Relocate Fire Hydrant (EA)	Ψ	20.03	\$ \$	5,665.63	50.00	\$ 10,751.75
Sewer			~	3,000.00	0.00	÷ -
12" main	\$	61.65	\$	103.28	0.00	
Utility Relocation Total						\$10,751.75
Right of Way (Sq Ft)			Cost/ Sq Ft		Sq Ft	Total Cost
Permanent Easement			\$	5.00	0.00	\$ -
ROW Total						\$ -



Diameter: 30"

Length: 146'

Material: Corrugated Metal Pipe (CMP)

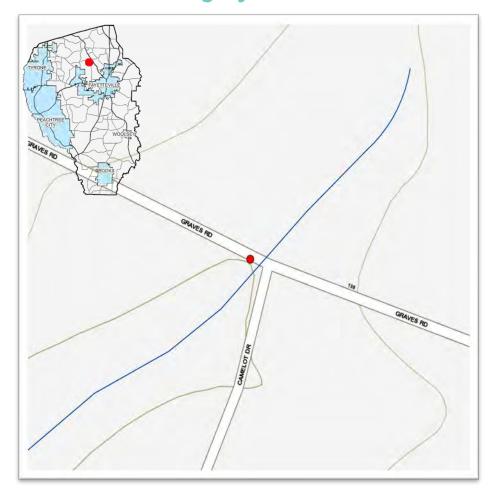
**Project Cost Estimate: \$96,320** 





### **2023 STORMWATER SPLOST**

**226 Graves Road Category II, Tier II** 



Project Cost Estimate						
Design / Engineering	\$	12,393				
Right of Way Acquisition	\$	0				
Environmental	\$	10,000				
Utility Relocation	\$	0				
Construction	\$	73,927				
Total Cost Estimate	\$	96,320				



Roadway Construction Pavement (SF) Curb and Gutter (LF) Drain Inlet (EA) 4" Sidewalk (SY) Guardrail (LF) End Anchorage (EA) Subtotal	Removal Un \$	it Cost 1.46	Installation U \$	Init Cost 9.74	Amount 313.50	Total Cost \$ 3,511.20 \$ - \$ - \$ - \$ - \$ - \$ - \$ 3,511.20
Grading Complete (5% of Rwy Items & Drng Total \$)						\$ 2,279.03
Roadway Total						\$ 5,790.23
Drainage	Removal Un	it Cost	Installation U			Total Cost
Trench Excavation (CY) 30" CMP (LF)	\$	24.53	\$	12.98		\$ 2,630.61 \$ 7,162.76
30" RCP (LF)			\$	135.85		\$19,834.10
Class A Conc (CY) Steel (lb)			\$ \$	1,850.86 2.45	0.00	\$ 9,217.28 \$ -
Pipe Bedding (CY)			\$ \$	60.75 3.74	25.33 166.99	\$ 1,539.00 \$ 623.70
Trench Backfill (CY) Trench Compaction (CY)			\$	7.95		\$ 623.70 \$ 1,062.04
Drainage Total						\$42,069.49
Signing and Marking			Installation U		Amount	Total Cost
Permanent Striping (LF)			\$	1.56	47.50	\$ 74.10
Signing and Marking Total						\$ 74.10
Staging			Installation U		Amount	Total Cost
Clearing and Grubbing (Acre) Temporary Pavement			\$ 2	26,500.00	0.03	\$ 662.50 \$ -
Temporary Drainage (Stream Diversion)			\$	5,064.24	2.00	\$10,128.48
Staging Total						\$10,865.08
Erosion Control			Installation U		Amount	Total Cost
Fine Grading and Seeding (SY) Temporary Grassing (AC)			\$ \$	5.49 1,061.28	41.17 0.00	
Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF)			\$ \$	5.50 15.14	288.00 288.00	
Erosion Control Mats (SY)			\$	1.97	0.00	\$ -
Landscape Mulch (SY) Perm Grassing (AC)			\$ \$	12.22 2,935.65	0.00	\$ - \$ -
Rip Rap Type 3 12" (SY)			\$	129.93	25.33	\$ 3,291.56
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$	7.50 74.85	25.33 0.00	•
Erosion Control Total						\$ 9,651.89
Construction Cost Total						\$68,450.79
Traffic Control (8% of Construction Total \$)						\$ 5,476.06
Construction Cost Grand Total						\$73,926.85
Utility Relocation	Removal Un	it Cost	Installation U	Init Cost	Amount	Total Cost
Electric						
Aerial Buried	\$ \$	13.75 20.63	\$ \$	68.75 103.13	0.00	
Wooden Pole	\$	103.13	\$	756.25	0.00	
Phone Aerial	\$	13.75	\$	68.75	0.00	\$ -
Buried	\$	20.63	\$	103.13	0.00	\$ -
Wooden Pole Cable	\$	103.13	\$	756.25	0.00	\$ -
Aerial	\$	13.75	\$	68.75	0.00	
Buried Wooden Pole	\$ \$	20.63 103.13	\$ \$	103.13 756.25	0.00	
Gas 4" main			\$			
Water	\$	20.63		82.50	0.00	Φ -
8" main Sewer	\$	20.63	\$ \$	194.41 5,665.63	0.00	\$ -
12" main Utility Relocation Total	\$	61.65	\$	103.28	0.00	\$ - \$ -
	•	01.00		100.20		
Right of Way (Sq Ft) Permanent Easement			Cost/ Sq Ft \$	5.00	Sq Ft 0.00	Total Cost \$ -
ROW Total						\$ -



Diameter: 36"

Length: 57'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate:** \$161,775





#### **2023 STORMWATER SPLOST**

# 130 Greenfield Circle Category II, Tier II



Project Cost Estimate							
Design / Engineering	\$	23,887					
Right of Way Acquisition	\$	3,000					
Environmental	\$	10,000					
Utility Relocation	\$	12,375					
Construction	\$	115,363					
Total Cost Estimate	\$	164,625					



Roadway Construction	Removal	Unit Cost	Installation Unit Co	st Amo	unt	Total	Cost
Pavement (SF)	\$	1.46	\$ 9	.74 175	5.00	\$ 1	,960.00
Curb and Gutter (LF)	\$	11.25	\$ 50	.00 40	0.00	\$ 2	,450.00
Drain Inlet (EA)			\$ 3,625	5.00 2	2.00	\$ 7	,250.00
4" Sidewalk (SY)						\$	_
Guardrail (LF)						\$	_
End Anchorage (EA)						\$	_
Subtotal							,660.00
Subtotal						ا ب	,000.00
Grading Complete (5% of Rwy Items & Drng Total \$)						\$ 4	,409.32
Roadway Total						\$ 16	,069.32
Drainage	Removal	Unit Cost	Installation Unit Co			Total	
Trench Excavation (CY)	_		\$ 12				,438.62
36" CMP (LF)	\$	24.53			.00		,194.63
54" RCP (LF)					0.00		-
Class A Conc (CY)			\$ 1,850		3.07		,198.69
Steel (lb)				.45 3149			,717.26
Pipe Bedding (CY)				).75 15	5.30	\$	929.48
Trench Backfill (CY)			\$ 3	3.74 103	3.80	\$	387.68
Trench Compaction (CY)			\$ 7	.95 83	3.04	\$	660.15
Desire and Total						e 70	
Drainage Total						\$ 76	5,526.50
Signing and Marking			Installation Unit Co			Total	Cost
Permanent Striping (LF)			\$ 1	.56 21	.00	\$	32.76
Signing and Marking Total						\$	32.76
Staging			Installation Unit Co	st Amo	unt	Total	Cost
Clearing and Grubbing (Acre)			\$ 26,500				,325.00
Clearing and Grubbing (Acre)  Temporary Pavement			ψ 20,300	(	,.03	\$	,020.00
• •			\$ 5,064	24 4	.00		-
Femporary Drainage (Stream Diversion)			φ 5,064	.24	.00	<b>\$</b> 0	,064.24
Staging Total						\$ 6	,422.00
Erosion Control			Installation Unit Co	st Amo	unt	Total	Cost
Fine Grading and Seeding (SY)						\$	136.64
Temporary Grassing (AC)			\$ 1,061		0.00		
Type C Silt Fence (LF)			•		3.00		,254.00
Check Dam Type C Silt Fence (LF)					3.00	\$ 3	,451.92
Erosion Control Mats (SY)			\$ 1	.97 25	5.33	\$	49.91
Landscape Mulch (SY)			\$ 12	22 25	5.33	\$	309.57
Perm Grassing (AC)			\$ 2,935	i.65 C	0.00	\$	-
Rip Rap Type 3 12" (SY)				.93 18	3.67	\$ 2	,425.36
Plastic Filter Fabric (SY)					3.67		140.00
4" Ditch Paving (SY)					0.00		-
+ Ditorr aving (CT)			Ψ /-	.00	7.00	Ψ	
Erosion Control Total						\$ 7	,767.40
Construction Cost Total							817 08
						\$ 106	,017.50
Troffic Control (9% of Construction Total \$)							
Traffic Control (8% of Construction Total \$)							3,545.44
Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total						\$ 8	3,545.44
Construction Cost Grand Total	Removal	Unit Cost	Installation Unit Co	st Amo	unt	\$ 8	5,545.44 5,363.42
Construction Cost Grand Total  Utility Relocation		Unit Cost	Installation Unit Co	st Amo	unt	\$ 8 \$ 115	5,545.44 5,363.42
Construction Cost Grand Total  Utility Relocation Electric	Removal	Unit Cost 13.75			ount	\$ 8 \$ 115 Total	5,545.44 5,363.42
Construction Cost Grand Total Utility Relocation Electric Aerial			\$ 68	3.75 (		\$ 8 \$ 115 Total \$	3,545.44 5,363.42
Construction Cost Grand Total  Jtility Relocation Electric Aerial Buried	\$ \$	13.75	\$ 68 \$ 103	3.75 C	0.00	\$ 8 \$ 115 Total \$	5,545.44 5,363.42
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole	\$	13.75 20.63	\$ 68 \$ 103	3.75 C	0.00	\$ 8 \$ 115 Total \$	5,545.44 5,363.42
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone	\$ \$ \$	13.75 20.63 103.13	\$ 68 \$ 103 \$ 756	i.75 ( i.13 ( i.25 (	0.00 0.00 0.00	\$ 8 \$ 115 Total \$ \$	5,545.44 5,363.42
Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial	\$ \$ \$	13.75 20.63 103.13	\$ 68 \$ 103 \$ 756 \$ 68	3.75 ( 3.13 ( 3.25 ( 3.75 (	0.00 0.00 0.00	\$ 8 \$ 115 Total \$ \$ \$	3,545.44 5,363.42
Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried	\$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103	3.75 C 3.13 C 3.25 C 3.75 C	0.00 0.00 0.00 0.00	\$ 8 \$ 115 Total \$ \$ \$	3,545.44 5,363.42
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Wooden Pole	\$ \$ \$	13.75 20.63 103.13	\$ 68 \$ 103 \$ 756 \$ 68	3.75 C 3.13 C 3.25 C 3.75 C	0.00 0.00 0.00	\$ 8 \$ 115 Total \$ \$ \$	3,545.44 5,363.42
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Overland Wooden Pole Cable	\$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756	3.75 (3.13 (3.25 (3.75 (3.13 (3.25 (3.75 (3.13 (3.25 (	0.00 0.00 0.00 0.00 0.00 0.00	\$ 8 \$ 115 Total \$ \$ \$ \$ \$	3,545.44 5,363.42
Construction Cost Grand Total  Utility Relocation Electric Aerial Suried Wooden Pole Phone Aerial Suried Wooden Pole Aerial Suried Wooden Pole Cable Cable Carial	\$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 68	3.75 (3.13 (3.25 (3.13 (3.25 (3.13 (3.25 (3.13 (3.25 (3.13 (3.25 (3.15 (	0.00 0.00 0.00 0.00 0.00 0.00	\$ 8 \$ 115 Total \$ \$ \$ \$ \$ \$	5,545.44 5,363.42 Cost - - - -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Buried Buried	\$\$\$ \$\$\$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 68 \$ 103	3.75 C 3.13 C 3.25 C 3.75 C 3.13 C 3.25 C 3.75 C 3.13 100	0.00 0.00 0.00 0.00 0.00 0.00	\$ 8 \$ 115 Total \$ \$ \$ \$ \$ \$ \$ \$	5,545.44 5,363.42 Cost - - - -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole	\$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 68	3.75 C 3.13 C 3.25 C 3.75 C 3.13 C 3.25 C 3.75 C 3.13 100	0.00 0.00 0.00 0.00 0.00 0.00	\$ 8 \$ 115 Total \$ \$ \$ \$ \$ \$ \$ \$	5,545.44 6,363.42 Cost - - - -
Construction Cost Grand Total  Jtility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas	\$\$\$ \$\$\$ \$\$\$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 103 \$ 756	3.75 (3.13 (3.25 (3.13 (3.25 (3.13 (3.25 (3.25 (3.13 (3.25 (3.13 (3.25 (	0.00 0.00 0.00 0.00 0.00 0.00 0.00	\$ 8 \$ 115 Total \$ \$ \$ \$ \$ \$ \$ \$ \$	5,545.44 6,363.42 Cost - - - -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Cable Aerial Buried Wooden Pole Cable Aerial Suried Wooden Pole Cable Aerial Suried Wooden Pole Gas 4" main	\$\$\$ \$\$\$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 103 \$ 756	3.75 (3.13 (3.25 (3.13 (3.25 (3.13 (3.25 (3.25 (3.13 (3.25 (3.13 (3.25 (	0.00 0.00 0.00 0.00 0.00 0.00	\$ 8 \$ 115 Total \$ \$ \$ \$ \$ \$ \$ \$ \$	5,545.44 6,363.42 Cost - - - -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756	1.75 C 1.13 C 1.25 C 1.75 C 1.13 C 1.13 C 1.13 C 1.13 10C 1.13 10C 1.25 C	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	\$ 8 \$ 115 Total \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,545.44 6,363.42 Cost - - - -
Construction Cost Grand Total  Jitility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Carlo Buried Wooden Pole Carlo Buried Wooden Pole Gas U'' main Water U'' main	\$\$\$ \$\$\$ \$\$\$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 82	1.75 (1.13 (1.25 (	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	\$ 8 \$ 115 Total \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,545.44 6,363.42 Cost - - - -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Cable Wooden Pole Caster Carlon Common Comm	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756	1.75 (1.13 (1.25 (	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	\$ 8 \$ 115 Total \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,545.44 6,363.42 Cost - - - -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas L" main Water " main Relocate Fire Hydrant (EA) Gewer	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 103 \$ 756 \$ 103 \$ 756 \$ 104 \$ 5,666	1.75 (1.13 (1.25 (	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	\$ 8 8 \$ 115 Total \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,545.44 5,363.42
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Lerial Buried Wooden Pole Cable Lerial Buried Wooden Pole Cable Lerial Buried Wooden Fole Casle Ler	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 103 \$ 756 \$ 103 \$ 756	1.75 (1.13 (1.25 (	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	\$ 8 8 \$ 115 Total \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,545.44 6,363.42 Cost - - - - - 2,375.00
Dilitity Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole Cable	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 82 \$ 194 \$ 5,665 \$ 103	1.75 (1.13 (1.25 (	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	\$ 8 8 \$ 115 Total \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,545.44 5,363.42 Cost - - - - 2,375.00 - - - - - - - - - - - - - - - - - -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Cable Aerial Buried Wooden Pole Cable Y' main Water Y' main Relocate Fire Hydrant (EA)	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 68 \$ 103 \$ 756 \$ 68 \$ 103 \$ 756 \$ 103 \$ 756 \$ 82 \$ 194 \$ 5,665 \$ 103	1.75 C 1.13 C 1.25 C 1.75 C 1.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	\$ 8 8 \$ 115 Total \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,545.44 5,363.42 Cost - - - - 2,375.00 - - - - - - - - - - - - - - - - - -

Diameter: 36"

**Length: 108**′

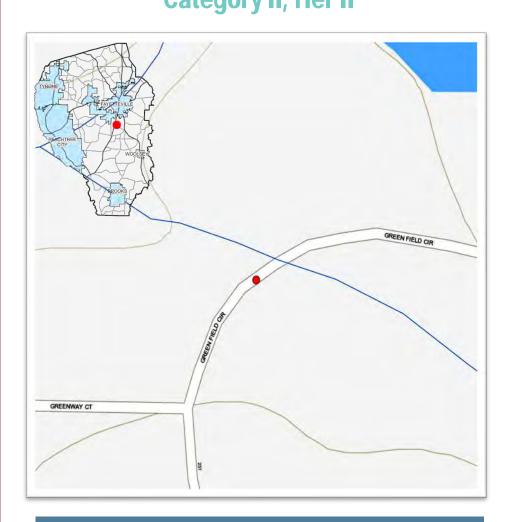
Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate:** \$135,799





# 2023 STORMWATER SPLOST 250 Greenfield Circle Category II, Tier II



Project Cost Estimate							
Design / Engineering	\$	22,345					
Right of Way Acquisition	\$	0					
Environmental	\$	15,000					
Utility Relocation	\$	0					
Construction	\$	98,454					
Total Cost Estimate	\$	135,799					



Roadway Construction		Unit Cost	Installation Unit C		Amount	Total Cos
Pavement (SF)	\$	1.46	\$	9.74		\$ 3,225.6
Curb and Gutter (LF)	\$	11.25		50.00		\$ 2,450.0
Drain Inlet (EA)			\$ 3,63	25.00		\$ 7,250.0
4" Sidewalk (SY)					0.00	
Guardrail (LF)					0.00	
End Anchorage (EA)					0.00	
Subtotal						\$ 12,925.6
Grading Complete (5% of Rwy Items & Drng Total \$)						\$ 3,681.1
Roadway Total						\$ 16,606.7
Drainage	Removal	Unit Cost	Installation Unit C	Cost	Amount	Total Cos
Trench Excavation (CY)			\$	12.98	237.50	\$ 3,082.7
36" CMP (LF)	\$	24.53			108.00	\$ 7,947.7
42" RCP (LF)				75.75		\$ 18,981.0
Class A Conc (CY)				50.86		\$ 27,133.6
Steel (lb)			\$	2.45	0.00	
Pipe Bedding (CY)				60.75		\$ 1,518.7
Trench Backfill (CY)			\$	3.74		\$ 752.1
French Compaction (CY)			\$	7.95	161.11	\$ 1,280.8
Drainage Total						\$60,696.8
Signing and Marking			Installation Unit C		Amount	Total Cos
Permanent Striping (LF)			\$	1.56	0.00	\$ -
Signing and Marking Total						\$ -
			Installation Unit O	Cost	Amount	Total Car
Staging Clearing and Grubbing (Acre)				00.00	Amount 0.15	Total Cos \$ 3,975.0
Temporary Pavement			\$ 20,5	00.00	0.15	\$ 3,975.0
Femporary Drainage (Stream Diversion)			\$ 5,0	64.24	1.00	\$ 5,064.2
, , , , , , , , , , , , , , , , , , ,						
Staging Total						\$ 9,039.2
Erosion Control			Installation Unit (	Cost	Amount	Total Cos
Fine Grading and Seeding (SY)			\$	5.49		\$ 219.6
Temporary Grassing (AC)				61.28	0.00	
Type C Silt Fence (LF)			\$	5.50	108.00	\$ 594.0
Check Dam Type C Silt Fence (LF)				15.14	108.00	
Erosion Control Mats (SY)			\$	1.97	12.00	\$ 23.6
Landscape Mulch (SY)				12.22	12.00	\$ 146.6
Perm Grassing (AC)				35.65		\$ -
Rip Rap Type 3 12" (SY)				29.93	16.00	
Plastic Filter Fabric (SY)			\$	7.50	16.00	
4" Ditch Paving (SY)			\$	74.85	0.00	\$ -
Erosion Control Total						\$ 4,817.8
Construction Cost Total						\$91,160.7
Traffic Control (8% of Construction Total \$)						\$ 7,292.8
Construction Cost Grand Total						\$ 98,453.5
Itility Relocation	Removal	Unit Cost	Installation Unit C	Cost	Amount	Total Cos
Electric						
Aerial	\$	13.75		68.75	0.00	
Buried	\$	20.63		03.13	0.00	
Vooden Pole				56.25	0.00	\$ -
	\$	103.13	\$ 75	30.23	0.00	
						•
Aerial	\$	13.75	\$	68.75	0.00	
Aerial Buried	\$ \$	13.75 20.63	\$ 1	68.75 03.13	0.00 0.00	\$ -
Aerial Buried Wooden Pole	\$	13.75	\$ 1	68.75	0.00	\$ -
Aerial Buried Wooden Pole Cable	\$ \$ \$	13.75 20.63 103.13	\$ 11 \$ 75	68.75 03.13 56.25	0.00 0.00 0.00	\$ - \$ -
Aerial Buried Wooden Pole Cable Aerial	\$ \$ \$	13.75 20.63 103.13	\$ 11 \$ 75	68.75 03.13 56.25 68.75	0.00 0.00 0.00	\$ - \$ - \$ -
Aerial Buried Wooden Pole Cable Aerial Buried	\$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ 11 \$ 75 \$ 16	68.75 03.13 56.25	0.00 0.00 0.00 0.00	\$ - \$ - \$ - \$ -
Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole	\$ \$ \$	13.75 20.63 103.13	\$ 11 \$ 75 \$ 16	68.75 03.13 56.25 68.75 03.13	0.00 0.00 0.00	\$ - \$ - \$ - \$ -
Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas U'' main	\$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ 11 \$ 7: \$ 11 \$ 7:	68.75 03.13 56.25 68.75 03.13	0.00 0.00 0.00 0.00	\$ - \$ - \$ - \$ - \$ -
Aerial Buried Vooden Pole Cable Aerial Buried Vooden Pole Gas I' main Vater	* * * * * * *	13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 11 5 75 5 75 5 11 5 75 5	68.75 03.13 56.25 68.75 03.13 56.25	0.00 0.00 0.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ - \$ - \$ -
Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas I" main	\$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	\$ 11 \$ 75 \$ 11 \$ 75 \$ 15 \$ 15 \$ 15 \$ 15	68.75 03.13 56.25 68.75 03.13 56.25 82.50	0.00 0.00 0.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ - \$ - \$ -
Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas I" main Water B" main Relocate Fire Hydrant (EA)	* * * * * * *	13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 11 \$ 75 \$ 11 \$ 75 \$ 15 \$ 15 \$ 15 \$ 15	68.75 03.13 56.25 68.75 03.13 56.25	0.00 0.00 0.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ - \$ - \$ -
Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas L" main Water B" main Relocate Fire Hydrant (EA)	*** *** *	13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 11 \$ 75 \$ 11 \$ 75 \$ 11 \$ 75 \$ 15 \$ 5,60	68.75 03.13 56.25 68.75 03.13 56.25 82.50 94.41 65.63	0.00 0.00 0.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ - \$ - \$ - \$ -
Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas L" main Water L" main Relocate Fire Hydrant (EA) Sewer 12" main	* * * * * * *	13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 11 \$ 75 \$ 11 \$ 75 \$ 11 \$ 75 \$ 15 \$ 5,60	68.75 03.13 56.25 68.75 03.13 56.25 82.50	0.00 0.00 0.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ - \$ - \$ - \$ -
Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas "" main Water Brimain Relocate Fire Hydrant (EA) Sewer 12" main	*** *** *	13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 11 \$ 75 \$ 11 \$ 75 \$ 11 \$ 75 \$ 15 \$ 5,60	68.75 03.13 56.25 68.75 03.13 56.25 82.50 94.41 65.63	0.00 0.00 0.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ \$ - \$ - \$ - \$ -
Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 3" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total Right of Way (Sq Ft) Permanent Easement	*** *** *	13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 11 \$ 73 \$ 16 \$ 17 \$ 73 \$ 11 \$ 5,66	68.75 03.13 56.25 68.75 03.13 56.25 82.50 94.41 65.63	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	\$



Diameter: 48"

Length: 80'

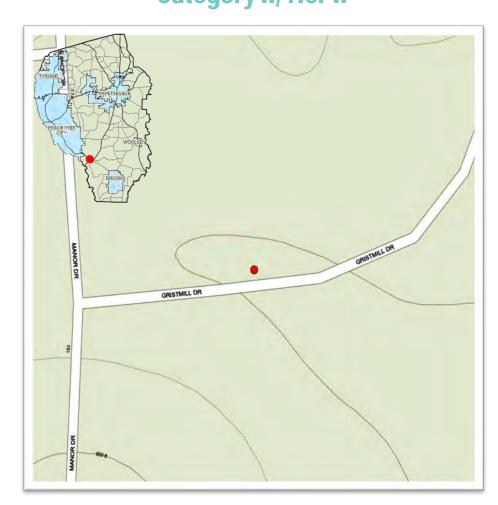
Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate: \$265,460** 





# 2023 STORMWATER SPLOST 110 Gristmill Drive Category II, Tier II



Project Cost Estimate							
Design / Engineering	\$	22,977					
Right of Way Acquisition	\$	10,000					
Environmental	\$	10,000					
Utility Relocation	\$	42,717					
Construction	\$	179,766					
Total Cost Estimate	\$	265,460					



Roadway Construction	Utility Relocation and ROW Quantity Calculations	

110 Gristmill Drive

Roadway Constituction, Othicy Relocation and ROW Qua	irility Calci	ulations	110 Gristifili	Dilve			
Roadway Construction		al Unit Cost	Installation U		Amount		otal Cost
Pavement (SF)	\$	1.46	\$	9.74	192.00		2,150.40
Curb and Gutter (LF)	\$	11.25	\$	50.00	30.00		1,837.50
Drain Inlet (EA)			_			\$	·
4" Sidewalk (SY)	\$	43.75	\$	82.03	30.00		3,773.40
Guardrail (LF)					0.00		-
End Anchorage (EA)					0.00		7 761 20
Subtotal						\$	7,761.30
Grading Complete (5% of Rwy Items & Drng Total \$)						\$	7,017.03
Roadway Total						\$	14,778.33
Drainage	Remov	/al Unit Cost	Installation U	Init Cost	Amount	To	otal Cost
Trench Excavation (CY)	1 (0	. d. 01111 0001	\$	12.98	325.93	\$	4,230.52
18" CMP (LF)	\$	30.75	•	.2.00	160.00		14,760.00
18" RCP	Ψ	000			0.00		-
Class A Conc (CY)			\$	1,850.86			95,578.41
Steel (lb)			\$				12,882.10
Pipe Bedding (CY)			\$	60.75	24.30	\$	1,476.23
French Backfill (CY)			\$	3.74	361.77	\$	1,351.23
Trench Compaction (CY)			\$	7.95	289.42	\$	2,300.88
Drainage Total						\$ 1	132,579.36
Signing and Marking			Installation U	Init Cost	Amount	To	otal Cost
Permanent Striping (LF)			\$	1.56	0.00		-
						•	
Signing and Marking Total						\$	-
Staging			Installation U	Init Cost	Amount		otal Cost
Clearing and Grubbing (Acre)			\$	26,500.00	0.10		2,650.00
Temporary Pavement			Φ.	E 004 04	4.00	\$	-
Femporary Drainage (Stream Diversion)			\$	5,064.24	1.00	ф	5,064.24
Staging Total						\$	7,714.24
						_	
Erosion Control			Installation U		Amount		otal Cost
Fine Grading and Seeding (SY)			\$	5.49	59.73		327.94
Femporary Grassing (AC)			\$	1,061.28	0.00		4 700 00
Type C Silt Fence (LF)			\$ \$	5.50	320.00		1,760.00
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY)			Ф \$	15.14 1.97	320.00 106.67		4,844.80 210.13
Landscape Mulch (SY)			\$	12.22	106.67		1,303.47
Perm Grassing (AC)			\$	2,935.65	0.00		-
Rip Rap Type 3 12" (SY)			\$	129.93	21.33		2,771.84
Plastic Filter Fabric (SY)			\$	7.50	21.33		160.00
I" Ditch Paving (SY)			\$	74.85	0.00		-
Erosion Control Total						\$	11,378.18
Construction Cost Total						œ.	166 450 11
							166,450.11
Traffic Control (8% of Construction Total \$)						\$	13,316.01
Construction Cost Grand Total						\$ 1	179,766.12
Jtility Relocation	Remov	al Unit Cost	Installation U	Init Cost	Amount	To	otal Cost
Electric Norial	¢	10 75	¢	60 75		æ	
Aerial Buried	\$ \$	13.75	\$	68.75 103.13	50.00	\$ \$	6 107 50
Buried Wooden Pole	\$ \$	20.63 103.13	\$ \$	756.25	50.00	\$	6,187.50
Phone	Ψ	100.10	4	, 50.25		Ψ	-
Aerial	\$	13.75	\$	68.75		\$	_
Buried	\$	20.63	\$	103.13	50.00		6,187.50
Vooden Pole	\$	103.13	\$	756.25		\$	-
Cable							
Aerial	\$	13.75	\$	68.75		\$	-
Buried	\$	20.63	\$	103.13	50.00		6,187.50
Vooden Pole	\$	103.13	\$	756.25		\$	-
Gas !" main	\$	20.63	\$	82.50	50.00	\$	5,156.25
	Ψ.	20.00	7	32.00	55.50	¥	5,.00.20
Vater	\$	20.63	\$	194.41	50.00	\$	10,751.75
	φ		\$	5,665.63		\$	-
8" main Relocate Fire Hydrant (EA)	Ψ		Ψ	0,000.00			
3" main Relocate Fire Hydrant (EA) Sewer					0.00		
3" main Relocate Fire Hydrant (EA) Sewer I2" main	\$	61.65	\$	103.28	0.00 50.00		
" main Relocate Fire Hydrant (EA) Sewer 2" main		61.65					
Water 3" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total Right of Way (Sq Ft) Permanent Easement		61.65		103.28		\$ To	8,246.50 42,717.00 otal Cost 10,000.00



Diameter: 36"

**Length: 484**′

Material: Corrugated Metal Pipe (CMP)

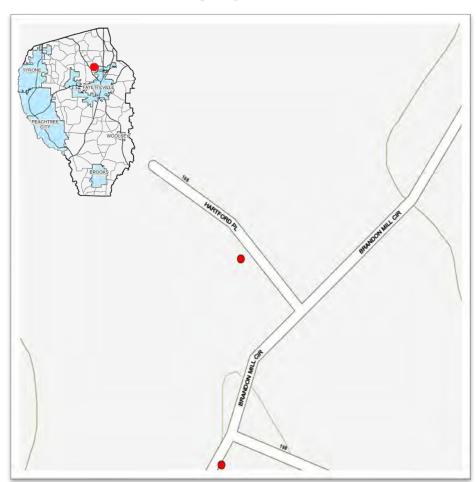
Project Cost Estimate: \$251,997





### **2023 STORMWATER SPLOST**

# 100 Hartford Place Category II, Tier II



Project Cost Estimate							
Design / Engineering	\$	26,640					
Right of Way Acquisition	\$	24,500					
Environmental	\$	10,000					
Utility Relocation	\$	22,275					
Construction	\$	168,582					
Total Cost Estimate	\$	251,997					



#### 100 Hartford Place

36" RCP

**GAB** 

Tack

Grassing

Grading

#57 Stone

Junction Box

Catch Basins

Pipe Delivery

9.5mm Ty 2 Asphalt

Temporary Flaggers

Curb and Gutter

Design/Engineering

**Environmental Permits** 

**Utility Relocation** 

ROW/Easements

Seal off connection to private pipe system, run new line down to pipes on Brandon Mill Cr. Replace 28' of 36" CMP with 36" RCP between Catch Basins. Replace CB tops. No additional work on the system outside ROW.

**UNIT** 

LF

EA

EA

LS

TN

TN

TN

**GAL** 

HR

LS

LS

LF

LS

LS

LS

SF

1.00

4,900

**ITEM DESCRIPTION** 

ESTIMATED COST UNIT QUAN TOTAL COST PRICE 484.00 \$190.36 \$92,134.24 \$4,990.94 \$14,972.82 3.00 2.00 \$5,027.02 \$10,054.04 1.00 \$2,000.00 \$2,000.00 136.00 \$33.42 \$4,545.12 \$42.90 \$514.80 12.00 \$1,575.00 \$525.00 3.00 3.00 \$6.00 \$18.00 120.00 \$20.00 \$2,400.00 1.00 \$3,000.00 \$3,000.00 1.00 \$7,722.88 \$7,722.88 484.00 \$61.25 \$29,645.00 1.00 \$26,640.10 \$26,640.10 1.00 \$22,275.00 \$22,275.00

ESTIMATED COST \$251,997.00

\$10,000.00

\$24,500.00

\$10,000.00

\$5.00



Diameter: 48"

Length: 400'

Material: Corrugated Metal Pipe (CMP)

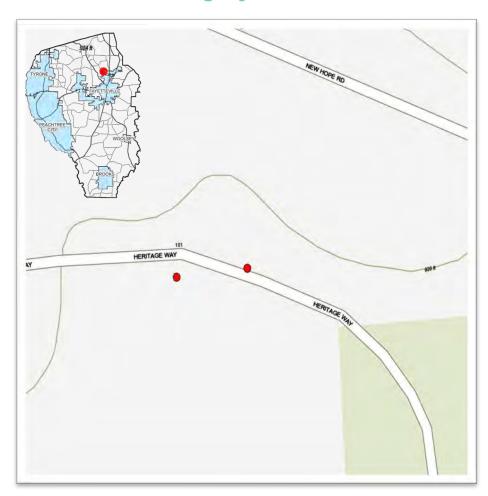
**Project Cost Estimate:** \$328,313





#### **2023 STORMWATER SPLOST**

120 Heritage Way - North Category II, Tier II



Project Cost Estir	mate	
Design / Engineering	\$	26,077
Right of Way Acquisition	\$	37,500
Environmental	\$	10,000
Utility Relocation	\$	43,971
Construction	\$	210,765
Total Cost Estimate	\$	328,313



	ntity Calcula		Heritage Way - North	120	_	
Roadway Construction		Unit Cost	Installation Unit Cost	Amount		tal Cost
Pavement (SF)	\$ \$	1.46	\$ 9.74			1,344.0
Curb and Gutter (LF)	ф	11.25	\$ 50.00 \$ 2.00	20.00		1,225.0
Orain Inlet (EA) !" Sidewalk (SY)			\$ 2.00	3,625.00	\$	7,250.0
Guardrail (LF)					\$	-
End Anchorage (EA)					\$	_
Subtotal					\$	9,819.0
Grading Complete (5% of Rwy Items & Drng Total \$)					\$	8,219.1
Roadway Total					\$	18,038.1
Prainage	Remova	Unit Cost	Installation Unit Cost	Amount		tal Cost
rench Excavation (CY)	_		\$ 12.98			12,691.5
8" CMP (LF)	\$	30.75		400.00		12,300.0
18" RCP (LF)			\$ 223.47			89,388.0
Class A Conc (CY)			\$ 1,850.86			25,356.7
Steel (lb)			\$ 2.45			- 400.0
Pipe Bedding (CY)			\$ 60.75			5,400.0
rench Backfill (CY) rench Compaction (CY)			\$ 3.74 \$ 7.95			3,487.8 5,939.1
Prainage Total					\$ 1	54,563.3
igning and Marking			Installation Unit Cost	Amount	To	tal Cost
Permanent Striping (LF)			\$ 1.56	0.00	\$	-
igning and Marking Total					\$	-
staging			Installation Unit Cost	Amount	To	tal Cost
Clearing and Grubbing (Acre)			\$ 26,500.00	0.10	\$	2,650.0
emporary Pavement emporary Drainage (Stream Diversion)			\$ 5,064.24	1.00	\$ \$	5,064.2
Staging Total			, ,,,,,,,		\$	7,714.2
					•	.,
rosion Control			Installation Unit Cost	Amount	To	tal Cost
ine Grading and Seeding (SY)			\$ 5.49	253.33	\$	1,390.8
emporary Grassing (AC)			\$ 1,061.28	0.00	\$	-
ype C Silt Fence (LF)			\$ 5.50	400.00	\$	2,200.0
heck Dam Type C Silt Fence (LF)			\$ 15.14	400.00	\$	6,056.0
rosion Control Mats (SY)			\$ 1.97			262.6
andscape Mulch (SY)			\$ 12.22			1,629.3
Perm Grassing (AC)			\$ 2,935.65			-
Rip Rap Type 3 12" (SY)			\$ 129.93			3,118.3
Plastic Filter Fabric (SY)			\$ 7.50			180.0
" Ditch Paving (SY)			\$ 74.85	0.00	\$	-
rosion Control Total					\$	14,837.1
onstruction Cost Total					\$ 1	95,152.8
raffic Control (8% of Construction Total \$)					\$	15,612.2
construction Cost Grand Total					\$2	210,765.0
tility Relocation	Remova	Unit Cost	Installation Unit Cost	Amount	To	tal Cost
Electric	•			_	_	
verial	\$	13.75	\$ 68.75		\$	- 0.001
Buried	\$	20.63	\$ 103.13			9,281.2
Vooden Pole Phone	\$	103.13	\$ 756.25	,	\$	-
rnone verial	\$	13.75	\$ 68.75		\$	
	э \$	20.63	\$ 103.13			9,281.2
		103.13	\$ 756.25		\$	J,2U1.2
uried		100.10	7 700.20	•	Ψ	-
uried Vooden Pole	\$				_	
uried Vooden Pole able		13.75	\$ 68.75	5	\$	-
uried Vooden Pole Bable erial	\$ \$	13.75 20.63	\$ 68.75 \$ 103.15			9,281.2
uried Vooden Pole :able erial uried	\$			75.00		9,281.2 -
uried Vooden Pole able erial uried Vooden Pole	\$	20.63	\$ 103.13	75.00	\$	9,281.2 -
uried Vooden Pole :able :erial uried Vooden Pole :as	\$	20.63	\$ 103.13	3 75.00 5	\$	9,281.2 - -
turied Vooden Pole Jable Jerial turied Vooden Pole Jas " main Vater	\$ \$ \$	20.63 103.13	\$ 103.13 \$ 756.25	3 75.00 5	\$	9,281.2 - -
duried Vooden Pole Jable Jable Jable Jable Vooden Pole Jas Jable Jab Jable Jable Jable Jable Jable Jable Jable Jable Jable Jable Jable Jable Jable Jab Jab Jab Jab Jab Jab Jab Jab Jab Jab	\$ \$ \$	20.63 103.13	\$ 103.13 \$ 756.25	3 75.00 5	\$ \$	9,281.2 - - 16,127.6
uried Vooden Pole sable sable serial uried Vooden Pole sass " main Vater	\$ \$	20.63 103.13 20.63	\$ 103.13 \$ 756.25 \$ 82.50	75.00 75.00	\$ \$	-

Cost/ Sq Ft \$

Sq Ft Total Cost
5.00 7,500.00 \$ 37,500.00
\$ 37,500.00

Right of Way (Sq Ft) Permanent Easement ROW Total

Diameter: 18" and 24"

Length: 70'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate:** \$105,529





### **2023 STORMWATER SPLOST**

**287 Hilo Road** Category II, Tier II



Project Cost Estima	te	
Design / Engineering	\$	12,011
Right of Way Acquisition	\$	0
Environmental	\$	10,000
Utility Relocation	\$	13,407
Construction	\$	70,111
Total Cost Estimate	\$	105,529



Roadway Construction, Utility Relocation and ROW (	Quantity Calculations 287 Hilo Road

Second   Complete (\$%) of Ray) tiems & Dring Total \$   \$ 2,442.72	Roadway Construction Pavement (SF) Curb and Gutter (LF) Drain Inlet (EA) 4" Sidewalk (SY) Guardrail (LF) End Anchorage (EA) Subtotal	Removal Uni \$ \$	1.46 11.25		st Amount .74 450.00 .00 12.00	
Drainage	Grading Complete (5% of Rwy Items & Drng Total \$)					\$ 2,424.72
Tench Excavation (CY)	Roadway Total					\$ 8,199.72
24" CMP (LF)	Drainage	Removal Uni	t Cost	Installation Unit Cos	st Amount	Total Cost
24°RCP (F)		\$	16.38	\$ 12		
Steel (b)	24" RCP (LF)				.31 186.00	\$ 19,401.66
Trench Backfill (CY)         \$ 3.74         124.69         \$ 4573.9         \$ 783.04           Drainage Total         \$42,719.37         \$193.04         \$193.04         \$193.04         \$193.04         \$193.04         \$1,50         \$242,719.37                Signing and Marking              Installation Unit Cost              Amount              Total Cost                Staging              Installation Unit Cost              Amount              Total Cost                Staging              Installation Unit Cost              Amount              Total                Staging              Installation Unit Cost              Amount              Total                Erosion Control              Installation Unit Cost              Amount              Total                Erosion Control              Installation Unit Cost              Amount              Total                     Erosion Control              Installation Unit Cost              Amount              Total                     Erosion Control Mats (SY)              \$ 193.04	, ,					
Trench Compaction (CY)   S						
Signing and Marking   Installation Unit Cost   Amount   Total Cost   Signing and Marking Total   Signing and Marking Total   Signing and Marking Total   Signing and Grubbing (Acre)   \$26,500 0	, ,					
Permanent Striping (LF)	Drainage Total					\$42,719.37
Signing and Marking Total   Staging						-
Staging   Installation Unit Cost   Amount   Total Cost   Clearing and Grubbing (Acre)   \$ 26,500.00   0.05   \$ 1,325.00   Temporary Pavement   \$ 5,064.24   1.00   \$ 5,065.25   1.00   \$	Permanent Striping (LF)			\$ 1	.56 36.00	\$ 56.16
Clearing and Grubbing (Acre)	Signing and Marking Total					\$ 56.16
Temporary Pawement						
Temporary Drainage (Stream Diversion)   \$ 5,064.24   1.00 \$ 5,064.24				\$ 26,500	.00 0.05	
Erosion Control         Installation Unit Cost         Amount         Total Cost           Fine Grading and Seeding (SY)         \$ 5.49         32.67         \$ 179.34           Temporary Grassing (AC)         \$ 1,061 28         -         -         1,061 28         -         -         1,790 CS III Fence (LF)         \$ 5.50         248.00         \$ 1,364.00         \$ 1,364.00         \$ 1,364.00         \$ 1,262 20.00         \$ 1,262 20.00         \$ 2,336.55         0.00         \$ -         -				\$ 5,064	.24 1.00	\$ 5,064.24
Fine Grading and Seeding (SY)   \$ 1,061.28   0.00   \$ 1.79.42     Temporary Grassing (AC)   \$ 1,061.28   0.00   \$ 1.304.00     Type C Silf Fence (LF)   \$ 15.14   248.00   \$ 3,754.72     Check Dam Type C Silf Fence (LF)   \$ 15.14   248.00   \$ 3,754.72     Check Dam Type C Silf Fence (LF)   \$ 15.14   248.00   \$ 3.754.72     Check Dam Type C Silf Fence (LF)   \$ 15.14   248.00   \$ 3.754.72     Landscape Mulch (SY)   \$ 12.22   0.00   \$ - 1.00     Landscape Mulch (SY)   \$ 12.29   0.00   \$ - 2.00     Landscape Mulch (SY)   \$ 12.29   0.00   \$ - 2.00     Rip Rap Type 3 12" (SY)   \$ 12.993   16.00   \$ 2.078.88     Plastic Filter Fabric (SY)   \$ 12.993   16.00   \$ 120.00     Filter Fabric (SY)   \$ 74.85   0.00   \$ 120.00     Filter Fabric (SY)   \$ 74.85   0.00   \$ 120.00     Fresion Control Total   \$ 1.00     Fresion Control Total   \$ 1.00     Fresion Control Total   \$ 1.00     Fresion Control (8% of Construction Total \$ 1.00	Staging Total					\$ 6,445.40
Fine Grading and Seeding (SY)   \$ 1,061.28   0.00   \$ 1.79.42     Temporary Grassing (AC)   \$ 1,061.28   0.00   \$ 1.304.00     Type C Silf Fence (LF)   \$ 15.14   248.00   \$ 3,754.72     Check Dam Type C Silf Fence (LF)   \$ 15.14   248.00   \$ 3,754.72     Check Dam Type C Silf Fence (LF)   \$ 15.14   248.00   \$ 3.754.72     Check Dam Type C Silf Fence (LF)   \$ 15.14   248.00   \$ 3.754.72     Landscape Mulch (SY)   \$ 12.22   0.00   \$ - 1.00     Landscape Mulch (SY)   \$ 12.29   0.00   \$ - 2.00     Landscape Mulch (SY)   \$ 12.29   0.00   \$ - 2.00     Rip Rap Type 3 12" (SY)   \$ 12.993   16.00   \$ 2.078.88     Plastic Filter Fabric (SY)   \$ 12.993   16.00   \$ 120.00     Filter Fabric (SY)   \$ 74.85   0.00   \$ 120.00     Filter Fabric (SY)   \$ 74.85   0.00   \$ 120.00     Fresion Control Total   \$ 1.00     Fresion Control Total   \$ 1.00     Fresion Control Total   \$ 1.00     Fresion Control (8% of Construction Total \$ 1.00	Faraday Control			+-  -+:  :+ O		T-4-1 04
Construction Cost Total   \$64,917.59	Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ 1,061 \$ 5 \$ 15 \$ 1 \$ 12 \$ 2,935 \$ 129 \$ 7	.28 0.00 .50 248.00 .14 248.00 .97 0.00 .22 0.00 .65 0.00 .93 16.00 .50 16.00	\$ 1,364.00 \$ 3,754.72 \$ - \$ - \$ 2,078.88 \$ 120.00 \$ -
Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Viiilty Relocation Electric Aerial \$ 13.75 \$ 68.75 0.00 \$ - Buried \$ 20.63 \$ 103.13 0.00 \$ - Phone Aerial \$ 13.75 \$ 68.75 0.00 \$ - Phone Aerial \$ 13.75 \$ 68.75 0.00 \$ - Phone Aerial \$ 13.75 \$ 68.75 0.00 \$ - Buried \$ 103.13 \$ 756.25 0.00 \$ - Phone Aerial \$ 13.75 \$ 68.75 0.00 \$ - Buried \$ 20.63 \$ 103.13 0.00 \$ - Buried \$ 103.13 \$ 756.25 0.00 \$ -  Cable Aerial \$ 13.75 \$ 68.75 0.00 \$ - Buried \$ 20.63 \$ 103.13 0.00 \$ -  Wooden Pole \$ 103.13 \$ 756.25 0.00 \$ -  Cable Aerial \$ 13.75 \$ 68.75 0.00 \$ -  Cable Aerial \$ 13.75 \$ 68.75 0.00 \$ -  Cable Aerial \$ 13.75 \$ 68.75 0.00 \$ -  Cable Aerial \$ 20.63 \$ 103.13 0.00 \$ -  Buried \$ 20.63 \$ 103.13 0.00 \$ -  Wooden Pole \$ 103.13 \$ 756.25 0.00 \$ -  Wooden Pole \$ 20.63 \$ 103.13 0.00 \$ -  Gas 4" main \$ 20.63 \$ 82.50 0.00 \$ -  Water 8" main \$ 20.63 \$ 194.41 36.00 \$ 7,741.26 Relocate Fire Hydrant (EA) \$ 5,665.63 1.00 \$ 5,665.63  Sewer 12" main \$ \$ 61.65 \$ 103.28 0.00 \$ -  Utility Relocation Total  Right of Way (Sq Ft) Permanent Easement \$ 5,00 0.00 \$ -						
Construction Cost Grand Total   \$70,111.00     Utility Relocation   Removal Unit Cost   Installation Unit Cost   Amount   Total Cost						
Utility Relocation         Removal Unit Cost         Installation Unit Cost         Amount         Total Cost           Electric           Aerial         \$ 13.75         \$ 68.75         0.00         \$ -           Buried         \$ 20.63         \$ 103.13         0.00         \$ -           Wooden Pole         \$ 103.13         \$ 756.25         0.00         \$ -           Phone         \$ 13.75         \$ 68.75         0.00         \$ -           Aerial         \$ 20.63         \$ 103.13         0.00         \$ -           Buried         \$ 103.13         \$ 756.25         0.00         \$ -           Cable         \$ 103.13         \$ 756.25         0.00         \$ -           Aerial         \$ 13.75         \$ 68.75         0.00         \$ -           Buried         \$ 103.13         \$ 756.25         0.00         \$ -           Buried         \$ 103.13         \$ 68.75         0.00         \$ -           Buried         \$ 20.63         \$ 103.13         0.00         \$ -           Buried         \$ 20.63         \$ 103.13         0.00         \$ -           Wooden Pole         \$ 20.63         \$ 82.50         0.00         \$ -           Water </td <td>Traffic Control (8% of Construction Total \$)</td> <td></td> <td></td> <td></td> <td></td> <td>\$ 5,193.41</td>	Traffic Control (8% of Construction Total \$)					\$ 5,193.41
Electric	Construction Cost Grand Total					\$70,111.00
Aerial         \$         13.75         \$         68.75         0.00         \$           Buried         \$         20.63         \$         103.13         0.00         \$           Wooden Pole         \$         103.13         \$         756.25         0.00         \$           Phone         **         13.75         \$         68.75         0.00         \$         -           Buried         \$         20.63         \$         103.13         0.00         \$         -           Wooden Pole         \$         103.13         756.25         0.00         \$         -           Cable         **         103.13         756.25         0.00         \$         -           Aerial         \$         13.75         \$         68.75         0.00         \$         -           Aerial         \$         13.75         \$         68.75         0.00         \$         -           Buried         \$         20.63         \$         103.13         0.00         \$         -           Gas         **         20.63         \$         82.50         0.00         \$         -           Water         **         \$		Removal Uni	t Cost	Installation Unit Cos	st Amount	Total Cost
Wooden Pole       \$       103.13       \$       756.25       0.00       \$         Phone       Aerial       \$       13.75       \$       68.75       0.00       \$       -         Buried       \$       20.63       \$       103.13       0.00       \$       -         Wooden Pole       \$       103.13       \$       756.25       0.00       \$       -         Buried       \$       20.63       \$       103.13       0.00       \$       -         Buried       \$       20.63       \$       103.13       0.00       \$       -         Wooden Pole       \$       103.13       \$       756.25       0.00       \$       -         Wooden Pole       \$       103.13       \$       756.25       0.00       \$       -         Gas       \$       20.63       \$       82.50       0.00       \$       -         Water       \$       20.63       \$       194.41       36.00       \$       7,741.26         Relocate Fire Hydrant (EA)       \$       5,665.63       1.00       \$       5,665.63         Sewer       1       100.00       \$       100.00       \$ </td <td>Aerial</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Aerial					
Phone         Aerial       \$ 13.75       \$ 68.75       0.00       \$ -         Buried       \$ 20.63       \$ 103.13       0.00       \$ -         Wooden Pole       \$ 103.13       \$ 756.25       0.00       \$ -         Cable       Capile         Aerial       \$ 13.75       \$ 68.75       0.00       \$ -         Buried       \$ 20.63       \$ 103.13       0.00       \$ -         Wooden Pole       \$ 103.13       \$ 756.25       0.00       \$ -         Gas       \$ 20.63       \$ 82.50       0.00       \$ -         4" main       \$ 20.63       \$ 82.50       0.00       \$ -         Water       \$ 20.63       \$ 194.41       36.00       \$ 7,741.26         8" main       \$ 20.63       \$ 194.41       36.00       \$ 7,741.26         Sewer       \$ 5,665.63       1.00       \$ 5,665.63         Sewer       \$ 103.28       0.00       \$ -         1Utility Relocation Total       \$ 20.63       \$ 103.28       0.00       \$ -         Right of Way (Sq Ft)       \$ 20.63       \$ 20.63       \$ 20.63       \$ 20.63       \$ 20.63       \$ 20.63       \$ 20.63       \$ 20.63       \$ 20.63						
Buried \$ 20.63 \$ 103.13 0.00 \$ - Wooden Pole \$ 103.13 \$ 756.25 0.00 \$ - Cable Aerial \$ 13.75 \$ 68.75 0.00 \$ - Buried \$ 20.63 \$ 103.13 0.00 \$ - Wooden Pole \$ 20.63 \$ 103.13 0.00 \$ - Wooden Pole \$ 103.13 \$ 756.25 0.00 \$ - Gas 4" main \$ 20.63 \$ 82.50 0.00 \$ - Water 8" main \$ 20.63 \$ 82.50 0.00 \$ - Water 8" main \$ 20.63 \$ 194.41 36.00 \$ 7,741.26 Relocate Fire Hydrant (EA) \$ 5,665.63 1.00 \$ 5,665.63 Sewer 12" main \$ 61.65 \$ 103.28 0.00 \$ - Utility Relocation Total  Right of Way (Sq Ft) Cost/ Sq Ft Total Cost Permanent Easement \$ 5.00 0.00 \$ -						
Wooden Pole Cable       \$ 103.13       \$ 756.25       0.00       \$ -         Aerial       \$ 13.75       \$ 68.75       0.00       \$ -         Buried       \$ 20.63       \$ 103.13       0.00       \$ -         Wooden Pole       \$ 103.13       756.25       0.00       \$ -         Gas       **       <						
Aerial       \$ 13.75       \$ 68.75       0.00       \$ -         Buried       \$ 20.63       \$ 103.13       0.00       \$ -         Wooden Pole       \$ 103.13       756.25       0.00       \$ -         Gas       \$ 20.63       \$ 82.50       0.00       \$ -         Water       \$ 20.63       \$ 194.41       36.00       \$ 7,741.26         Relocate Fire Hydrant (EA)       \$ 5,665.63       1.00       \$ 5,665.63         Sewer       \$ 61.65       \$ 103.28       0.00       \$ -         Utility Relocation Total       \$ 13,406.89         Right of Way (Sq Ft)       \$ Cost/ Sq Ft       Sq Ft       Total Cost         Permanent Easement       \$ 5.00       0.00       \$ -						
Buried       \$       20.63       \$       103.13       0.00       \$       -         Wooden Pole       \$       103.13       \$       756.25       0.00       \$       -         Gas       \$       20.63       \$       82.50       0.00       \$       -         Water       **       **       \$       194.41       36.00       \$       7,741.26         Relocate Fire Hydrant (EA)       \$       \$       5,665.63       1.00       \$       5,665.63         Sewer       **       **       \$       103.28       0.00       \$       -         12" main       **       \$       \$       103.28       0.00       \$       -         Utility Relocation Total       **       \$		•	40.75	<b></b>	75 0.00	•
Wooden Pole         \$         103.13         \$         756.25         0.00         \$ -           Gas         4" main         \$         20.63         \$ 82.50         0.00         \$ -           Water         8" main         \$         20.63         \$ 194.41         36.00         \$ 7,741.26           Relocate Fire Hydrant (EA)         \$ 5,665.63         1.00         \$ 5,665.63           Sewer         12" main         \$ 61.65         \$ 103.28         0.00         \$ -           Utility Relocation Total         \$ 13,406.89           Right of Way (Sq Ft)         Cost/ Sq Ft         Sq Ft         Total Cost           Permanent Easement         \$ 5.00         0.00         \$ -						
4" main       \$ 20.63       \$ 82.50       0.00       \$ -         Water       8" main       \$ 20.63       \$ 194.41       36.00       \$ 7,741.26         Relocate Fire Hydrant (EA)       \$ 5,665.63       1.00       \$ 5,665.63         Sewer       12" main       \$ 61.65       \$ 103.28       0.00       \$ -         Utility Relocation Total       \$ 13,406.89         Right of Way (Sq Ft)       Cost/ Sq Ft       Sq Ft       Total Cost         Permanent Easement       \$ 5.00       0.00       \$ -	Wooden Pole					
Water         8" main         \$ 20.63         \$ 194.41         36.00         \$ 7,741.26           Relocate Fire Hydrant (EA)         \$ 5,665.63         1.00         \$ 5,665.63           Sewer         ***		\$	20.63	\$ 82	.50 0.00	\$ -
Relocate Fire Hydrant (EA)         \$ 5,665.63         1.00         \$ 5,665.63           Sewer         12" main         \$ 61.65         \$ 103.28         0.00         \$ -           Utility Relocation Total         \$ 13,406.89           Right of Way (Sq Ft)         Cost/ Sq Ft         Sq Ft         Total Cost           Permanent Easement         \$ 5.00         0.00         \$ -		œ.	20.62	¢ 104	44 26.00	r 774106
12" main       \$ 61.65       \$ 103.28       0.00       \$ -         Utility Relocation Total       \$ 13,406.89         Right of Way (Sq Ft)       Cost/ Sq Ft       Sq Ft       Total Cost         Permanent Easement       \$ 5.00       0.00       \$ -	Relocate Fire Hydrant (EA)	\$	20.63			
Right of Way (Sq Ft)         Cost/ Sq Ft         Sq Ft         Total Cost           Permanent Easement         \$ 5.00         0.00         \$ -	12" main	\$	61.65	\$ 103	.28 0.00	
Permanent Easement \$ 5.00 0.00 \$ -						
				ψ 5	.00 0.00	

Diameter: 18", 30", 48"

**Length: 286**′

Material: Corrugated Metal Pipe (CMP)

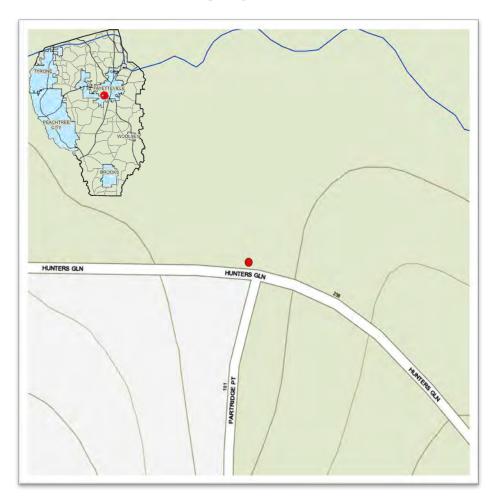
**Project Cost Estimate: \$236,279** 





#### **2023 STORMWATER SPLOST**

## **275 Hunters Glenn Category II, Tier II**



Project Cost Estima	ate	
Design / Engineering	\$	22,797
Right of Way Acquisition	\$	30,000
Environmental	\$	10,000
Utility Relocation	\$	21,504
Construction	\$	151,978
Total Cost Estimate	\$	236,279



Roadway Construction, Utility Relocation and ROW Quantity Calculations Hunters Glen	
	75

Roadway Construction, Utility Relocat	ion a	and RO	w	Quantity Calc	ulations	Hun	iters Glen 275
Roadway Construction		emoval nit Cost		nstallation Unit Cost	Amount		Total Cost
Pavement (SF) Curb and Gutter (LF) DWCB	\$ \$ \$	1.46 11.25 943.06	\$ \$ \$	9.74 50.00 5,027.00	1920.00 160.00 2.00	\$	21,504.00 9,800.00 11,940.12 (
Subtotal						\$	43,244.12
Grading Complete (10% of Rwy Items & Drng To	otal \$)					\$	11,807.20
Roadway Total						\$	55,051.32
Drainage		emoval nit Cost	- 1	Installation Unit Cost	Amount		Total Cost
Trench Excavation (CY) 48" CMP (LF) 30" CMP (LF) 18" CMP (LF) 18" RCP 30" RCP (LF) 48" RCP (LF) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)	\$ \$ \$	30.75 24.53 7.17	\$ \$ \$ \$ \$ \$	98.84 135.85 223.47 60.75 3.74 7.95	613.33 138.00 120.00 28.00 28.00 80.00 150.00 14.00 613.33 613.33	\$ \$ \$ \$ \$ \$ \$ \$	12,266.67 4,243.50 2,943.60 200.76 2,767.52 10,868.00 33,520.50 850.50 2,290.80 4,876.00
Drainage Total						\$	74,827.85
Signing and Marking				nstallation Unit Cost	Amount		Total Cost
Permanent Striping (LF)			\$	1.00	0	\$	-
Signing and Marking Total						\$	-
Staging				nstallation Unit Cost	Amount		Total Cost
Clearing and Grubbing (Acre) Temporary Pavement Temporary Drainage (Stream Diversion)			\$	26,500.00 4,428.00	0.25	\$ \$	6,625.00
Staging Total						\$	6,625.00
				nstallation			
Erosion Control Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5.49 1,061.28 5.50 15.14 1,97 12.22 2,935.65 129.93 7.50 74.85	0.00 0.00 0.00 0.00 0.00 0.00 0.50 20.00 20.00	\$ \$ \$ \$ \$ \$ \$ \$	Total Cost
Erosion Control Total						\$	4,216.43
Construction Cost Total						\$	140,720.59
Traffic Control (8% of Construction Total \$)						\$	11,257.65
Construction Cost Grand Total						\$	151,978.24
Utility Relocation		emoval nit Cost		nstallation Unit Cost	Amount		Total Cost
Electric Aerial Buried Wooden Pole	\$ \$ \$	13.75 20.63 103.13	\$ \$ \$	68.75 103.13 756.25	0.00 0.00 0.00	\$	- - -
Phone Aerial Buried Wooden Pole	\$ \$ \$	13.75 20.63 103.13	\$	68.75 103.13 756.25	0.00 0.00 0.00	\$	- -
Cable Aerial	\$	13.75	\$	68.75	0.00		- -
Buried Wooden Pole <b>Gas</b>	\$ \$	20.63	\$	103.13 756.25	0.00 0.00	\$	-
4" main Water	\$	20.63	\$	82.50	0.00	\$	-
B" main Sewer	\$	20.63	\$	194.41	100.00	\$	21,504.00
12" main Utility Relocation Total	\$	16.50	\$	82.50	0.00	\$ <b>\$</b>	21,504.00
Right of Way (Sq Ft)				st/ Sq Ft	Sq Ft		l Cost
Permanent Easement  ROW Total			\$	5.00 \$	6,000.00	\$ \$	30,000.00 <b>30,000.00</b>



Diameter: 60"

Length: 70'

**Material: Corrugated Metal Pipe** 

**Project Cost Estimate:** \$341,319





### **2023 STORMWATER SPLOST 510 Janice Drive Category II, Tier II**

Project Cost Estima	te	
Design / Engineering	\$	37,409
Right of Way Acquisition	\$	12,500
Environmental	\$	15,000
Utility Relocation	\$	27,321
Construction	\$	249,090
Total Cost Estimate	\$	341,319



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Roadway Construction Payement (SE)	Removal Unit Cost \$ 1.46	Installation Unit Cost \$ 9.7	Amount 4 280.00	Total Cos \$ 3,136
Pavement (SF)	\$ 1.46	\$ 9.7		
Curb and Gutter (LF)			0.00	\$
Orain Inlet (EA)			0.00	
l" Sidewalk (SY)				\$
Guardrail (LF)			0.00	\$
End Anchorage (EA)			0.00	\$
Subtotal				\$ 3,136
Grading Complete (5% of Rwy Items & Drng Total \$)				\$ 10,054
Roadway Total				\$ 13,190
Drainage	Removal Unit Cost	Installation Unit Cost	Amount	Total Cos
Trench Excavation (CY)		\$ 12.9	8 290.37	\$ 3,769
60" CMP (LF)	\$ 30.75		70.00	\$ 6,457
60" RCP `			0.00	\$
Class A Conc (CY)		\$ 1,850.8		\$ 160,062
Steel (lb)		\$ 2.4		\$ 22,427
Pipe Bedding (CY)		\$ 60.7		
rench Backfill (CY)		\$ 3.7		
rench Compaction (CY)		\$ 7.9		
Prainage Total				\$ 197,955
Signing and Marking		Installation Unit Cost	Amount	Total Cos
Permanent Striping (LF)		\$ 1.5	6 0.00	\$
Signing and Marking Total				\$
Staging		Installation Unit Cost	Amount	Total Cos
Clearing and Grubbing (Acre)		\$ 26,500.0		\$ 2,650
emporary Pavement		20,000.0	0.10	\$ 2,000
emporary Drainage (Stream Diversion)		\$ 5,064.2	4 1.00	\$ 5,064
staging Total				\$ 7,714
rosion Control		Installation Unit Cost	Amount	Total Cos
ine Grading and Seeding (SY)		\$ 5.4	9 77.78	\$ 427
emporary Grassing (AC)		\$ 1,061.2	0.00	\$
Type C Silt Fence (LF)		\$ 5.5	0 280.00	\$ 1,540
Check Dam Type C Silt Fence (LF)		\$ 15.1	4 280.00	\$ 4,239
Erosion Control Mats (SY)		\$ 1.9	7 31.11	\$ 61
andscape Mulch (SY)		\$ 12.2	2 31.11	\$ 380
Perm Grassing (AC)		\$ 2,935.6	5 0.00	\$
Rip Rap Type 3 12" (SY)		\$ 129.9		
Plastic Filter Fabric (SY)		\$ 7.5		
# Ditch Paving (SY)		\$ 74.8		
Erosion Control Total				\$ 11,778
Construction Cost Total				
				\$ 230,638
Fraffic Control (8% of Construction Total \$)				\$ 18,451
Construction Cost Grand Total				\$ 249,089
Jtility Relocation Electric	Removal Unit Cost	Installation Unit Cost	Amount	Total Cos
ciectric Aerial	\$ 13.75	\$ 68.7	5 60.00	\$ 4,950
Buried	\$ 20.63			
Vooden Pole	\$ 103.13			
Phone	ψ 103.13	ψ 130.2	2.00	ψ 1,110
rione Aerial	\$ 13.75	\$ 68.7	5 60.00	\$ 4,950
Buried	\$ 20.63			
vooden Pole	\$ 20.63			
vooden Pole Cable	ψ 103.13	\$ 756.2	J	\$
erial	\$ 13.75	\$ 68.7	5 60.00	\$ 4,950
Buried	\$ 20.63			
vooden Pole	\$ 103.13			\$
Pas	ψ 100.13	ψ 130.2	•	Y
" main	\$ 20.63	\$ 82.5	0	\$
Vater		,		•
" main	\$ 20.63	\$ 194.4	1 50.00	\$ 10,751
telocate Fire Hydrant (EA)	Ψ 20.00	\$ 5,665.6		\$ 10,731
Sewer		- 0,000.0	0.00	7
2" main	\$ 61.65	\$ 103.2		
Itility Relocation Total				\$ 27,320
unty reducation rotal				
ight of Way (Sq Ft)		Cost/ Sq Ft	Sq Ft	Total Cos
Ounty (Glocation Total				

Diameter: One-24" & Two-36"

**Length: 265**′

Material: Corrugated Metal Pipe (CMP)

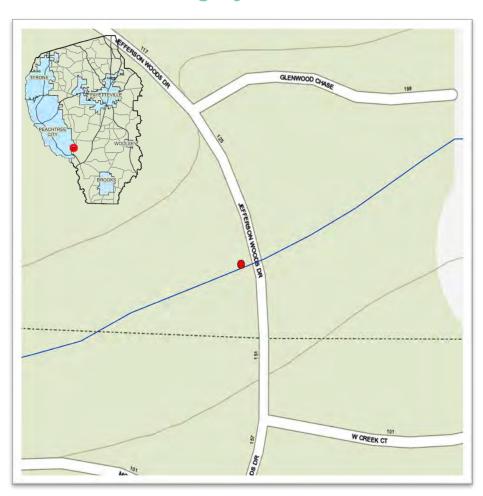
**Project Cost Estimate:** \$310,009





#### **2023 STORMWATER SPLOST**

## **125 Jefferson Woods Drive** Category II, Tier II



Project Cost Estin	nate	
Design / Engineering	\$	23,334
Right of Way Acquisition	\$	23,334
Environmental	\$	10,000
Utility Relocation	\$	20,000
Construction	\$	233,341
Total Cost Estimate	\$	310,009



#### 

Roadway Construction, Utility Relocation and ROW Quantity Calculations							on Woods Dr
Roadway Construction		noval Cost	- 1	nstallation Unit Cost	Amount	т	otal Cost
Pavement (SF)	\$	1.46	\$	9.74	480.00		5,376.00
Curb and Gutter (LF) DWCB	\$ \$ 9	11.25 43.06	\$	50.00 5,027.02	40.00 2.00		2,450.00 11,940.16
4" Sidewalk (SY)	\$	-	\$	-	0.00	•	C
Guardrail (LF) End Anchorage (EA)					0.00		C
Subtotal					0.00	\$	19,766.16
Grading Complete (10% of Rwy Items & Drng To	tal \$)					\$	18,734.34
Roadway Total						\$	38,500.50
Drainage		noval Cost	- 1	nstallation Unit Cost	Amount	т	otal Cost
Trench Excavation (CY)			\$	20.00	888.89		17,777.78
36" CMP (LF) 18" CMP (LF)		24.60 24.60			200.00 65.00		4,920.00 1,599.00
Class A Conc (CY)	Ÿ	24.00	\$	1,850.86	66.00		122,156.76
Steel (lb)			\$	2.45	7590.00		18,595.50
Pipe Bedding (CY) Trench Backfill (CY)			\$	60.75 3.74	32.00 50.00		1,944.00 186.75
Trench Compaction (CY)			\$	7.95	50.00		397.50
Drainage Total						\$	167,577.29
Signing and Marking			ı	nstallation Unit Cost	Amount	т	otal Cost
Permanent Striping (LF)			\$	1.00	0	\$	-
Signing and Marking Total						\$	-
Staging			- 1	nstallation Unit Cost	Amount	т	otal Cost
Clearing and Grubbing (Acre)			\$	26,500.00	0.25	\$	6,625.00
Temporary Pavement Temporary Drainage (Stream Diversion)			\$	4,428.00		\$	- 0
Staging Total						\$	6,625.00
				nstallation			
Erosion Control				Unit Cost	Amount		otal Cost
Fine Grading and Seeding (SY) Temporary Grassing (AC)			\$	5.49 1,061.28	0.00		-
Type C Silt Fence (LF)			\$	5.50	0.00		-
Check Dam Type C Silt Fence (LF)			\$	15.14	0.00		-
Erosion Control Mats (SY) Landscape Mulch (SY)			\$	1.97 12.22	0.00		-
Perm Grassing (AC)			\$	2,935.65	0.25		733.91
Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY)			\$	129.93 7.50	20.00 20.00		2,598.60 150.00
4" Ditch Paving (SY)			\$	74.85	0.00		-
Erosion Control Total						\$	3,482.51
Construction Cost Total						\$	216,185.31
Traffic Control (8% of Construction Total \$)						\$	17,294.82
Construction Cost Grand Total						\$	233,340.59
Utility Relocation		noval Cost	-	nstallation Unit Cost	Amount	т	otal Cost
Electric Apriol			•		0.00	¢	
Aerial Buried		13.75 20.63	\$	68.75 103.13	0.00 34.11		4,221.48
Wooden Pole		03.13	\$	756.25	0.00		-
Phone	Φ.	10.75	•	CO 75	0.00	Φ.	
Aerial Buried		13.75 20.63	\$	68.75 103.13	0.00 34.11		4,221.48
Wooden Pole		03.13	\$	756.25	0.00		-
Cable	¢ ·	10 75	•	60.75	0.00	¢	
Aerial Buried		13.75 20.63	\$	68.75 103.13	34.11		4,221.48
Wooden Pole		03.13	\$	756.25	0.00		-
Gas 4" main	\$ 2	20.63	\$	82.50	0.00	\$	-
Water 8" main	\$ 2	20.63	\$	194.41	34.11	\$	7,335.66
Sewer 12" main	\$ (	31.65	\$	103.28	0.00		-
Utility Relocation Total						\$	20,000.11
Right of Way (Sq Ft)				st/ Sq Ft	Sq Ft	Total Co	
Permanent Easement ROW Total			\$	5.00	4666.80	\$ \$	23,334.00 23,334.00
ROW Intal						Ψ	~U,UU4.UU



Diameter: 60"

Length: 57'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate: \$149,311** 





#### **2023 STORMWATER SPLOST**

## 671 Kenwood Road Category II, Tier II



Project Cost Estimate						
Design / Engineering	\$	15,444				
Right of Way Acquisition	\$	0				
Environmental	\$	18,000				
Utility Relocation	\$	19,422				
Construction	\$	104,444				
Total Cost Estimate	\$	149,311				



Roadway Construction Pavement (SF) Curb and Gutter (LF) Drain Inlet (EA) 4" Sidewalk (SY) Guardrail (LF) End Anchorage (EA) Subtotal Grading Complete (5% of Rwy Items & Drng Total \$)	Removal Unit Cost \$ 1.46	Installation Unit Cost \$ 9.74	Amount 154.00 0.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ -
Roadway Total				\$ 5,194.15
Drainage Trench Excavation (CY)	Removal Unit Cost	Installation Unit Cost \$ 12.98	Amount 236.44	Total Cost \$ 3,069.05
60" CMP (LF)	\$ 30.75		57.00	\$ 1,752.75
60" RCP (LF) Class A Conc (CY)		\$ 346.63 \$ 1,850.86	57.00 21.58	
Steel (lb)		\$ 2.45	0.00	\$ -
Pipe Bedding (CY) Trench Backfill (CY)		\$ 60.75 \$ 3.74	14.78 222.22	
Trench Compaction (CY)		\$ 7.95	177.77	
Drainage Total				\$ 67,662.28
Signing and Marking		Installation Unit Cost	Amount	Total Cost
Permanent Striping (LF)		\$ 1.56		\$ -
Signing and Marking Total				\$ -
Staging		Installation Unit Cost	Amount	Total Cost
Clearing and Grubbing (Acre)		\$ 26,500.00	0.20	\$ 5,300.00
Temporary Pavement Temporary Drainage (Stream Diversion)		\$ 5,064.24	1.00	\$ - \$ 5,064.24
Staging Total				\$ 10,364.24
Erosion Control Fine Grading and Seeding (SY)		Installation Unit Cost \$ 5.49	Amount 27.22	Total Cost \$ 149.45
Temporary Grassing (AC)		\$ 1,061.28	0.00	
Type C Silt Fence (LF) Check Dam Type C Silt Fence (LF)		\$ 5.50 \$ 15.14	456.00 456.00	
Erosion Control Mats (SY)		\$ 1.97	50.67	
Landscape Mulch (SY)		\$ 12.22	50.67	
Perm Grassing (AC) Rip Rap Type 3 12" (SY)		\$ 2,935.65 \$ 129.93	0.00 23.33	
Plastic Filter Fabric (SY)		\$ 7.50	23.33	
4" Ditch Paving (SY)		\$ 74.85	0.00	\$ -
Erosion Control Total				\$ 13,486.95
Construction Cost Total				\$ 96,707.62
Traffic Control (8% of Construction Total \$)				\$ 7,736.61
Construction Cost Grand Total				\$ 104,444.23
Utility Relocation	Removal Unit Cost	Installation Unit Cost	Amount	Total Cost
Electric Aerial	\$ 13.75	\$ 68.75	75.00	\$ 6,187.50
Buried	\$ 20.63	\$ 103.13	0.00	\$ -
Wooden Pole Phone	\$ 103.13	\$ 756.25	1.00	\$ 859.38
Aerial	\$ 13.75	\$ 68.75	75.00	\$ 6,187.50
Buried Wooden Pole	\$ 20.63 \$ 103.13		0.00	
Cable				
Aerial	\$ 13.75		0.00	
Buried Wooden Pole	\$ 20.63 \$ 103.13		50.00 0.00	
Gas 4" main	\$ 20.63	\$ 82.50	0.00	s -
Water				
8" main Sewer	\$ 20.63	\$ 194.41	0.00	\$ -
12" main Utility Relocation Total	\$ 61.65	\$ 103.28	0.00	\$ - \$ 19,421.88
·		Coot/ Sa Et	Sα <b>Γ</b> t	
Right of Way (Sq Ft) Permanent Easement		Cost/ Sq Ft \$ 5.00	Sq Ft 0.00	Total Cost \$ -
ROW Total				\$ -



Diameter: 48"

Length: 142'

Material: Corrugated Metal Pipe (CMP)

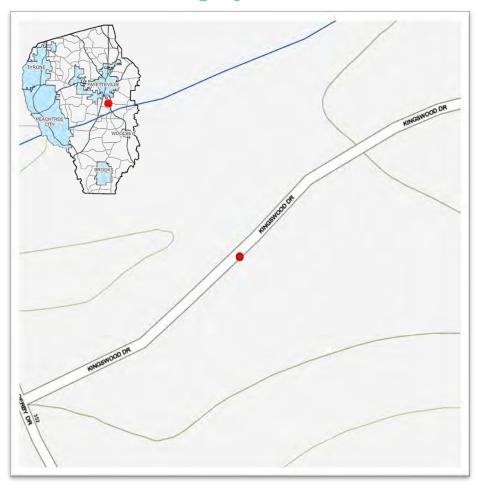
**Project Cost Estimate:** \$168,678





#### **2023 STORMWATER SPLOST**

**200 Kingswood Drive**Category II, Tier II



Project Cost Estimate						
Design / Engineering	\$	14,936				
Right of Way Acquisition	\$	21,780				
Environmental	\$	10,000				
Utility Relocation	\$	22,605				
Construction	\$	99,357				
Total Cost Estimate	\$	168,678				



Roadway Construction Pavement (SF) Curb and Gutter (LF) Drain Inlet (EA) 4" Sidewalk (SY) Guardrail (LF) End Anchorage (EA) Subtotal	Removal Un \$	it Cost 1.46	Installation U \$	nit Cost 9.74	Amount 144.00 0.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ -
Grading Complete (5% of Rwy Items & Drng Total \$)						\$ 3,212.93
Roadway Total						\$ 4,825.73
Drainage	Removal Un	it Cost	Installation U	nit Cost	Amount	Total Cost
Trench Excavation (CY)	Removal on	ii Cosi	\$	12.98		\$ 2,521.00
48" CMP (LF)	\$	30.75	•	202 47		\$11,316.00
48" RCP (LF) Class A Conc (CY)			\$ \$	223.47 1,850.86		\$ 20,559.24 \$ 25,356.78
Steel (lb)			\$	2.45	0.00	
Pipe Bedding (CY)			\$	60.75		\$ 1,242.00
Trench Backfill (CY) Trench Compaction (CY)			\$ \$	3.74 7.95	163.51 130.81	\$ 610.73 \$ 1,039.95
Drainage Total						\$62,645.71
			1 ( 11 6 11	" • •		
Signing and Marking Permanent Striping (LF)			Installation U \$	1.56	Amount	Total Cost \$ -
						\$ -
Signing and Marking Total						
Staging			Installation U		Amount	Total Cost
Clearing and Grubbing (Acre) Temporary Pavement			\$ 2	26,500.00	0.20	\$ 5,300.00 \$ -
Temporary Drainage (Stream Diversion)			\$	5,064.24	1.00	\$ 5,064.24
Staging Total						\$ 10,364.24
Erosion Control			Installation U		Amount	Total Cost
Fine Grading and Seeding (SY) Temporary Grassing (AC)			\$ \$	5.49 1,061.28	45.33 0.00	
Type C Silt Fence (LF)			\$	5.50	552.00	
Check Dam Type C Silt Fence (LF)			\$	15.14		\$ 8,357.28
Erosion Control Mats (SY) Landscape Mulch (SY)			\$ \$	1.97 12.22	61.33 61.33	
Perm Grassing (AC)			\$	2,935.65	0.00	
Rip Rap Type 3 12" (SY)			\$	129.93	12.00	
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$	7.50 74.85	12.00 0.00	
<u> </u>			Ψ	74.00	0.00	
Erosion Control Total						\$ 14,161.64
Construction Cost Total						\$91,997.31
Traffic Control (8% of Construction Total \$)						\$ 7,359.78
Construction Cost Grand Total						\$99,357.10
Utility Relocation	Removal Un	it Cost	Installation U	nit Cost	Amount	Total Cost
Electric Aerial	\$	13.75	\$	68.75	0.00	<b>\$</b>
Buried	\$	20.63	\$ \$	103.13	0.00	
Wooden Pole	\$	103.13	\$	756.25	0.00	
Phone	•	40.75	<b>c</b>	CO 75	0.00	•
Aerial Buried	\$ \$	13.75 20.63	\$ \$	68.75 103.13	0.00 0.00	
Wooden Pole	\$	103.13	\$	756.25	0.00	
Cable	•		•			•
Aerial Buried	\$ \$	13.75 20.63	\$ \$	68.75 103.13	0.00 50.00	\$ - \$ 6,187.50
Wooden Pole	\$	103.13	\$	756.25	0.00	
Gas 4" main	\$	20.63	\$	82.50	0.00	¢
4 main Water	Ψ	20.03	Ψ	02.30	0.00	φ -
8" main	\$	20.63	\$	194.41		\$10,751.75
Relocate Fire Hydrant (EA) Sewer			\$	5,665.63	1.00	\$ 5,665.63
12" main	\$	61.65	\$	103.28	0.00	
Utility Relocation Total						\$22,604.88
Right of Way (Sq Ft)			Cost/ Sq Ft		Sq Ft	Total Cost
Permanent Easement			\$	5.00	4356.00	\$21,780.00
ROW Total						\$21,780.00



Diameter: 36"

Length: 100'

Material: Corrugated Metal Pipe (CMP)

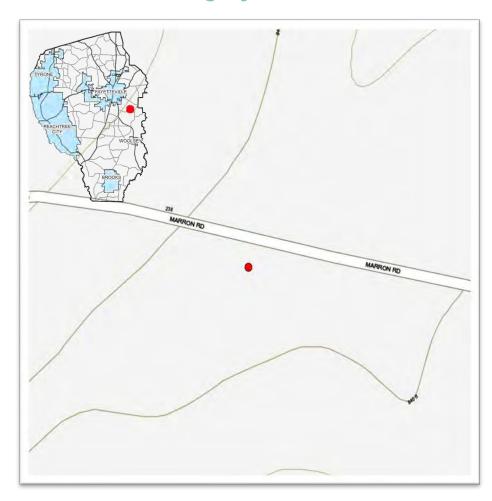
**Project Cost Estimate: \$89,616** 





#### **2023 STORMWATER SPLOST**

# 175 and 185 Marron Road Category II, Tier II



Project Cost Estimate					
Design / Engineering	\$	-			
Right of Way Acquisition	\$	-			
Environmental	\$	-			
Utility Relocation	\$	14,936			
Construction	\$	74,680			
Total Cost Estimate	\$	89,616			



#### 175 Marron Rd

Replace deep 36" CMP with RCP (	(trench box operation)
---------------------------------	------------------------

- Tropiace deep so civil will from (inclinit box operation)			COST ES	TIMATE
ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
36" RCP (trench box operation)	LS	1.00	\$28,000.00	\$28,000.00
Headwall	EA	2.00	\$ 1,200.00	\$ 2,400.00
Traffic Control	LS	1.00	\$ 1,750.00	\$ 1,750.00
Pipe Delivery	LS	1.00	\$ 500.00	\$ 500.00
Graded Aggregate Base	TN	15.00	\$ 33.00	\$ 495.00
#57 Stone	TN	12.00	\$ 62.00	\$ 744.00
19 mm Superpave, GP 1 or 2, Incl Bitum Matl & H Lime	TN	7.00	\$ 123.94	\$ 867.58
9.5 mm Superpave, GP 2 Only, Incl Bitum Matl & H Lime	TN	5.00	\$ 106.81	\$ 534.05
Tack	GAL	3.00	\$ 3.00	\$ 9.00
Rip Rap, Type 3	SY	24.00	\$ 66.00	\$ 1,584.00
Utility Relocation	LS	1.00	\$ 7,468.00	\$ 7,468.00
Permanent Grassing	AC	0.15	\$ 1,533.00	\$ 229.95
Mulch	TN	1.00	\$ 226.12	\$ 226.12
		TOTAL COS	T ESTIMATE	\$ 44,808

#### 185 Marron Rd

Replace deep 36" CMP with RCP (trench box operation)

				TIMATE
ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
36" RCP (trench box operation)	LS	1.00	\$28,000.00	\$28,000.00
Headwall	EA	2.00	\$ 1,200.00	\$ 2,400.00
Traffic Control	LS	1.00	\$ 1,750.00	\$ 1,750.00
Pipe Delivery	LS	1.00	\$ 500.00	\$ 500.00
Graded Aggregate Base	TN	15.00	\$ 33.00	\$ 495.00
#57 Stone	TN	12.00	\$ 62.00	\$ 744.00
19 mm Superpave, GP 1 or 2, Incl Bitum Matl & H Lime	TN	7.00	\$ 123.94	\$ 867.58
9.5 mm Superpave, GP 2 Only, Incl Bitum Matl & H Lime	TN	5.00	\$ 106.81	\$ 534.05
Tack	GAL	3.00	\$ 3.00	\$ 9.00
Rip Rap, Type 3	SY	24.00	\$ 66.00	\$ 1,584.00
Utility Relocation	LS	1.00	\$ 7,468.00	\$ 7,468.00
Permanent Grassing	AC	0.15	\$ 1,533.00	\$ 229.95
Mulch	TN	1.00	\$ 226.12	\$ 226.12
	·	TOTAL COS	T ESTIMATE	\$ 44,808

Diameter: 60"

Length: 88'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate:** \$164,606





# 2023 STORMWATER SPLOST 330 Merrydale Drive Category II, Tier II



Project Cost Estimate						
Design / Engineering	\$	16,460				
Right of Way Acquisition	\$	0				
Environmental	\$	10,000				
Utility Relocation	\$	23,547				
Construction	\$	114,600				
Total Cost Estimate	\$	164,606				



330 Merrydale Drive

Dandung Canada at in	Damassall	Init Cook		Init Coot	A 4	т.	4-1 04
Roadway Construction Pavement (SF)	Removal U	1.46	Installation l	9.74	Amount 161.00		tal Cost 1,803.20
Curb and Gutter (LF)	Ψ	1.10	Ψ	0.14	0.00		-
Orain Inlet (EA)					0.00		-
" Sidewalk (SY)					0.00	\$	-
Guardrail (LF)					0.00	\$	-
End Anchorage (EA)					0.00	\$	-
Subtotal						\$	1,803.20
Grading Complete (5% of Rwy Items & Drng Total \$)						\$	4,202.19
Roadway Total						\$	6,005.39
Drainage	Removal U	Jnit Cost	Installation l	Jnit Cost	Amount	Tof	tal Cost
French Excavation (CY)			\$	12.98	342.22		4,442.04
60" CMP (LF)	\$	30.75			88.00		2,706.00
60" RCP (LF)			\$	346.63	88.00		30,503.44
Class A Conc (CY)			\$	1,850.86	21.58		39,941.56
Steel (lb)			\$	2.45	0.00		4 200 00
Pipe Bedding (CY)			\$	60.75	22.81		1,386.00
Trench Backfill (CY)			\$ \$	3.74 7.95	323.08 258.46		1,206.70
French Compaction (CY)			Ф	7.95	230.40	Ф	2,054.78
Orainage Total						\$	82,240.52
Signing and Marking			Installation l	-	Amount		tal Cost
Permanent Striping (LF)			\$	1.56		\$	-
Signing and Marking Total						\$	-
Staging			Installation l		Amount		tal Cost
Clearing and Grubbing (Acre)			\$	26,500.00	0.15	\$	3,975.00
Temporary Pavement						\$	<u>-</u>
emporary Drainage (Stream Diversion)			\$	5,064.24	1.00	\$	5,064.2
Staging Total						\$	9,039.24
Frosion Control			Installation l	Jnit Cost	Amount	Tot	tal Cost
Fine Grading and Seeding (SY)			\$	5.49	50.56	\$	277.5
Геmporary Grassing (AC)			\$	1,061.28	0.00	\$	-
Гуре C Silt Fence (LF)			\$	5.50	352.00	\$	1,936.00
Check Dam Type C Silt Fence (LF)			\$	15.14	352.00	\$	5,329.28
Erosion Control Mats (SY)			\$	1.97	0.00		-
andscape Mulch (SY)			\$	12.22	0.00		-
Perm Grassing (AC)			\$	2,935.65	0.00		-
Rip Rap Type 3 12" (SY)			\$	129.93	9.33		1,212.68
Plastic Filter Fabric (SY)			\$	7.50	9.33		70.00
4" Ditch Paving (SY)			\$	74.85	0.00	\$	-
Erosion Control Total						\$	8,825.5
Construction Cost Total						\$1	06,110.66
raffic Control (8% of Construction Total \$)						\$	8,488.8
Construction Cost Grand Total						\$1	14,599.5
Itility Relocation	Removal U	Jnit Cost	Installation l	Jnit Cost	Amount	Tot	tal Cost
Electric verial	\$	13.75	\$	68.75	100.00	\$	8,250.00
Buried	\$	20.63	\$	103.13	0.00		
Vooden Pole	\$ \$	103.13	\$	756.25	1.00		859.38
Phone	•		,			٠	
Aerial	\$	13.75	\$	68.75	100.00	\$	8,250.00
Buried	\$	20.63	\$	103.13	0.00	\$	-
Vooden Pole	\$	103.13	\$	756.25	0.00	\$	-
Cable							
Aerial	\$	13.75	\$	68.75	0.00		
Buried	\$	20.63	\$	103.13	50.00		6,187.50
Vooden Pole	\$	103.13	\$	756.25	0.00	\$	-
Gas !" main	\$	20.63	\$	82.50	0.00	Ф	
	Ψ	20.03	Ψ	02.50	0.00	φ	-
Vater			\$	194.41	0.00	\$	_
Vater '" main	\$	20.63				*	
vater " main Sewer	\$	20.63	Ψ				
" main Sewer 2" main	\$ \$	20.63 61.65	\$	103.28	0.00		23 546 8
" main Sewer 2" main							- 23,546.88
" main Sewer 2" main Itility Relocation Total Right of Way (Sq Ft)			\$ Cost/ Sq Ft	103.28	0.00 Sq Ft	\$ Tot	- 23,546.88 tal Cost
" main			\$		0.00	\$ Tot	- 23,546.88 tal Cost - -



Diameter: 24"

**Length: 342**′

Material: Corrugated Metal Pipe (CMP)

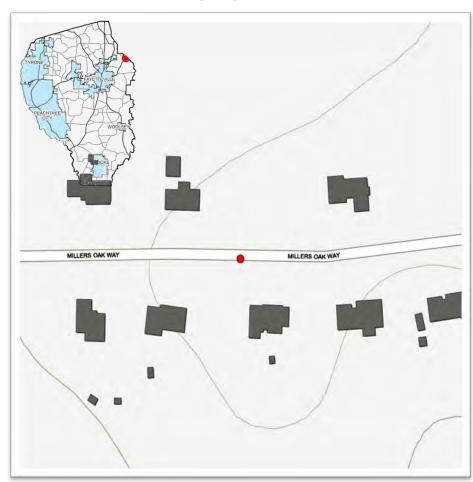
**Project Cost Estimate: \$265,568** 





#### **2023 STORMWATER SPLOST**

145 Millers Oak Way
Category II, Tier II



Project Cost Estimate						
Design / Engineering	\$	20,423				
Right of Way Acquisition	\$	54,450				
Environmental	\$	10,000				
Utility Relocation	\$	26,469				
Construction	\$	154,227				
Total Cost Estimate	\$	265,568				



Roadway Construction 1	Utility Relocation and ROW	Quantity Calculations

ns 145 Millers Oak Way

					T ( 10 (
Roadway Construction	Remov	al Unit Cost	Installation Unit Cost	Amount	Total Cost
Pavement (SF)	\$	1.46	\$ 9.74		\$ 1,288.00
Curb and Gutter (LF)	\$	11.25	\$ 50.00	40.00	
	Ψ	11.23			
Drain Inlet (EA)			\$ 3,625.00	2.00	
4" Sidewalk (SY)	\$	43.75	\$ 82.03	22.22	\$ 2,795.11
Guardrail (LF)				0.00	\$ -
End Anchorage (EA)				0.00	
				0.00	
Subtotal					\$ 13,783.11
Grading Complete (5% of Rwy Items & Drng Total \$)					\$ 5,903.04
					, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Doodway Total					¢ 10 coc 15
Roadway Total					\$ 19,686.15
Drainage	Remov	al Unit Cost	Installation Unit Cost	Amount	Total Cost
Trench Excavation (CY)			\$ 12.98	566.48	\$ 7,352.93
24" CMP (LF)	\$	20.48	•		\$ 21,012.48
` '	Ψ	20.40	f 105.00		
36" RCP (LF)			\$ 165.83		\$ 53,397.26
Class A Conc (CY)			\$ 1,850.86	7.20	\$ 13,326.19
Steel (lb)			\$ 2.45	0.00	\$ -
Pipe Bedding (CY)			\$ 60.75	59.63	\$ 3,622.50
Trench Backfill (CY)			\$ 3.74	551.40	
• ,					
Trench Compaction (CY)			\$ 7.95	441.12	\$ 3,506.87
Drainage Total					\$ 104,277.69
					,
Signing and Marking			Installation Unit Cost	Amount	Total Cost
Signing and Marking			Installation Unit Cost	Amount	Total Cost
Permanent Striping (LF)			\$ 1.56	0.00	\$ -
Signing and Marking Total					\$ -
J J					
Storing			Installation Unit Ca-t	Amount	Total Cost
Staging			Installation Unit Cost	Amount	Total Cost
Clearing and Grubbing (Acre)			\$ 26,500.00	0.20	\$ 5,300.00
Temporary Pavement					\$ -
Temporary Drainage (Stream Diversion)			\$ 5,064.24	1.00	
Temporary Brainage (Gircam Biversion)			φ 3,004.24	1.00	Ψ 5,004.24
o					
Staging Total					\$ 10,364.24
Erosion Control			Installation Unit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)			\$ 5.49		\$ 911.95
Temporary Grassing (AC)			\$ 1,061.28	0.00	\$ -
Type C Silt Fence (LF)			\$ 5.50	322.00	\$ 1,771.00
Check Dam Type C Silt Fence (LF)			\$ 15.14	322.00	
Erosion Control Mats (SY)			\$ 1.97	0.00	
Landscape Mulch (SY)			\$ 12.22	0.00	\$ -
Perm Grassing (AC)			\$ 2,935.65	0.00	\$ -
Rin Ran Tyne 3 12" (SY)			\$ 129.93		
Rip Rap Type 3 12" (SY)			\$ 129.93	6.67	\$ 866.20
Plastic Filter Fabric (SY)			\$ 7.50	6.67 6.67	\$ 866.20 \$ 50.00
				6.67	\$ 866.20 \$ 50.00
Plastic Filter Fabric (SY)			\$ 7.50	6.67 6.67	\$ 866.20 \$ 50.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ 7.50	6.67 6.67	\$ 866.20 \$ 50.00 \$ -
Plastic Filter Fabric (SY)			\$ 7.50	6.67 6.67	\$ 866.20 \$ 50.00 \$ -
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total			\$ 7.50	6.67 6.67	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ 7.50	6.67 6.67	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total			\$ 7.50	6.67 6.67	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total			\$ 7.50	6.67 6.67	\$ 866.20 \$ 50.00 \$ -
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total			\$ 7.50	6.67 6.67	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32
Plastic Filter Fabric (SY)  " Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)			\$ 7.50	6.67 6.67	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total			\$ 7.50	6.67 6.67	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total			\$ 7.50 \$ 74.85	6.67 6.67 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation	Remov	al Unit Cost	\$ 7.50	6.67 6.67	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total	Remov	al Unit Cost	\$ 7.50 \$ 74.85	6.67 6.67 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric			\$ 7.50 \$ 74.85	6.67 6.67 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial	\$	13.75	\$ 7.50 \$ 74.85	6.67 6.67 0.00 Amount 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ -
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried	\$ \$	13.75 20.63	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13	6.67 6.67 0.00 Amount 0.00 100.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole	\$	13.75	\$ 7.50 \$ 74.85	6.67 6.67 0.00 Amount 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried	\$ \$	13.75 20.63	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13	6.67 6.67 0.00 Amount 0.00 100.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone	\$ \$ \$	13.75 20.63 103.13	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25	Amount  0.00 100.00 2.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial	\$ \$ \$	13.75 20.63 103.13	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	6.67 6.67 0.00 Amount 0.00 100.00 2.00 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Buried	\$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	Amount  0.00 100.00 0.00 0.00 0.00 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ -
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Buried Wooden Pole Wooden Pole Wooden Pole	\$ \$ \$	13.75 20.63 103.13	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	6.67 6.67 0.00 Amount 0.00 100.00 2.00 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ -
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Buried	\$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	Amount  0.00 100.00 0.00 0.00 0.00 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ -
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Buried Wooden Pole Wooden Pole Wooden Pole	\$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	Amount  0.00 100.00 0.00 0.00 0.00 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ 12,375.00 \$ 1,718.75 \$ - \$ - \$ - \$ -
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric  Aerial  Buried  Wooden Pole  Phone  Aerial  Buried  Wooden Pole  Cable  Cable  Aerial	\$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	Amount  0.00 100.00 2.00 0.00 0.00 0.00 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ - \$ -
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Buried Buried Wooden Pole Cable Aerial Buried	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	6.67 6.67 0.00 Amount 0.00 100.00 2.00 0.00 0.00 0.00 100.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ - \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole	\$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75	Amount  0.00 100.00 2.00 0.00 0.00 0.00 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ - \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas	*** *** ***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	Amount  0.00 100.00 2.00 0.00 0.00 0.00 100.00 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ 12,375.00 \$ 1,718.75 \$ - \$ - \$ 12,375.00 \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13	6.67 6.67 0.00 Amount 0.00 100.00 2.00 0.00 0.00 0.00 100.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ 12,375.00 \$ 1,718.75 \$ - \$ - \$ 12,375.00 \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Cable Aerial Buried Wooden Pole Cable Gas 4" main	*** *** ***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	Amount  0.00 100.00 2.00 0.00 0.00 0.00 100.00 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ 12,375.00 \$ 1,718.75 \$ - \$ - \$ 12,375.00 \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric Aerial Buried  Wooden Pole Phone Aerial Buried  Wooden Pole Cable Aerial Buried  Wooden Pole Cable Aerial Buried  Wooden Pole Gas 4" main Water	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 2.50	Amount  0.00 100.00 2.00 0.00 0.00 100.00 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ 12,375.00 \$ - \$ 12,375.00 \$ - \$ 12,375.00 \$ - \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Gas 4" main Water 8" main	*** *** ***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	Amount  0.00 100.00 2.00 0.00 0.00 100.00 0.00	\$ 866.20 \$ 50.00 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ - \$ 12,375.00 \$ - \$ - \$ - \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric Aerial Buried  Wooden Pole Phone Aerial Buried  Wooden Pole Cable Aerial Buried  Wooden Pole Cable Aerial Buried  Wooden Pole Gas 4" main Water	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 2.50	Amount  0.00 100.00 2.00 0.00 0.00 100.00 0.00	\$ 866.20 \$ 50.00 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ - \$ 12,375.00 \$ - \$ - \$ - \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Gas 4" main Water 8" main	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	Amount  0.00 100.00 2.00 0.00 0.00 100.00 0.00	\$ 866.20 \$ 50.00 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ - \$ 12,375.00 \$ - \$ - \$ - \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 194.41 \$ 5,665.63	Amount  0.00 100.00 2.00 0.00 0.00 0.00 0.00 0	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ 12,375.00 \$ 12,375.0
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Gasial Buried Wooden Pole Cable Rerial Buried Wooden Fole Cable Rerial Buried Wooden	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25	Amount  0.00 100.00 2.00 0.00 0.00 100.00 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ 12,375.00 \$ - \$ 12,375.00 \$ - \$ 12,375.00 \$ - \$ 12,375.00 \$ - \$ 12,375.00 \$ - \$ 12,375.00 \$ - \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation  Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 194.41 \$ 5,665.63	Amount  0.00 100.00 2.00 0.00 0.00 0.00 0.00 0	\$ 866.20 \$ 50.00 \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ 12,375.00 \$ - \$ 12,375.00 \$ - \$ 12,375.00 \$ - \$ 12,375.00 \$ - \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 194.41 \$ 5,665.63 \$ 103.28	6.67 6.67 0.00 100.00 100.00 2.00 0.00 0.00 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ 12,375.00 \$ 1,718.75 \$ - \$ - \$ - \$ 12,375.00 \$ 12,375.00 \$ 12,375.00 \$ 12,375.00 \$ 12,375.00 \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Gasial Buried Wooden Pole Cable Rerial Buried Wooden Fole Cable Rerial Buried Wooden	*** *** *** *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 194.41 \$ 5,665.63	Amount  0.00 100.00 2.00 0.00 0.00 0.00 0.00 0	\$ 866.20 \$ 50.00 \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ - \$ 12,375.00 \$ 1,718.75 \$ - \$ 12,375.00 \$ - \$ 12,375.00 \$ - \$ 12,375.00 \$ - \$ 12,375.00 \$ - \$ 12,375.00
Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	*** *** *** * *	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 7.50 \$ 74.85 Installation Unit Cost \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 68.75 \$ 103.13 \$ 756.25 \$ 194.41 \$ 5,665.63 \$ 103.28	6.67 6.67 0.00 100.00 100.00 2.00 0.00 0.00 0.00	\$ 866.20 \$ 50.00 \$ - \$ 8,474.23 \$ 142,802.32 \$ 11,424.19 \$ 154,226.50 Total Cost \$ 12,375.00 \$ 1,718.75 \$ - \$ - \$ - \$ 12,375.00 \$ 12,375.00 \$ 12,375.00 \$ 12,375.00 \$ 12,375.00 \$ 12,375.00



Diameter: 30"

Length: 120'

Material: Corrugated Metal Pipe (CMP)

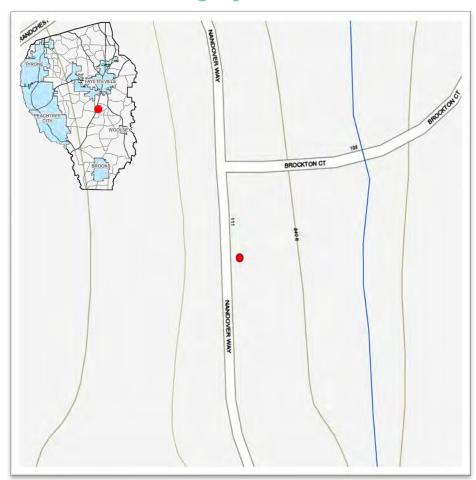
**Project Cost Estimate:** \$47,204





#### **2023 STORMWATER SPLOST**

**120 Nandover Way Category II, Tier II** 



Project Cost Estimate					
Design / Engineering	\$	4,056			
Right of Way Acquisition	\$	5,308			
Environmental	\$	5,000			
Utility Relocation	\$	4,311			
Construction	\$	28,529			
Total Cost Estimate	\$	47,204			



### 120 Nanadover Way

CAT III

Replace 120' of 30" CMP with 30" RCP		ESTIMATED COST		
ITEM DESCRIPTION	UNIT	QUAN	UNIT PRICE	TOTAL COST
30" RCP	LF	120.00	\$ 160.38	\$ 19,245.60
Pipe Delivery	LS	1.00	\$ 500.00	\$ 500.00
Graded Aggregate Base	TN	40.00	\$ 33.42	\$ 1,336.80
#57 Stone	TN	30.00	\$ 42.90	\$ 1,287.00
19 mm Superpave, GP 1 or 2, Incl Bitum Matl & H Li	TN	10.00	\$ 123.94	\$ 1,239.40
9.5 mm Superpave, GP 2 Only, Incl Bitum Matl & H l	TN	5.00	\$ 106.81	\$ 534.05
Tack	GAL	6.00	\$ 6.00	\$ 36.00
Traffic Control	LS	1.00	\$ 2,000.00	\$ 2,000.00
Grassing	AC	0.50	\$ 1,533.00	\$ 766.50
Rip Rap, Type 3	SY	24.00	\$ 66.00	\$ 1,584.00
Utility Relocation	LS	1.00	\$ 4,311.00	\$ 4,311.00
Design/Engineering	LS	1.00	\$ 4,055.65	\$ 4,055.65
Environmental Permits	LS	1.00	\$ 5,000.00	\$ 5,000.00
Right of Way	LS	1.00	\$ 5,308.00	\$ 5,308.00

ESTIMATED COST \$47,204.00

5/5/2022 Page 1 of 1



Diameter: 60"

Length: 80'

Material: Corrugated Metal Pipe (CMP)

Project Cost Estimate: \$230,908





### **2023 STORMWATER SPLOST**

**420 North Drive** Category II, Tier II



Project Cost Estimate				
Design / Engineering	\$	22,338		
Right of Way Acquisition	\$	15,000		
Environmental	\$	10,000		
Utility Relocation	\$	10,183		
Construction	\$	173,387		
Total Cost Estimate	\$	230,908		



Roadway Construction	. Utility Relocation and ROW Quantity Calculation:	S

420 North Drive

Roadway Construction Pavement (SF)					
Pavement (SF)		al Unit Cost	Installation Unit Cost	Amount	Total Cost
	\$	1.46	\$ 9.74		\$ 1,724.80
Curb and Gutter (LF)	\$	11.25	\$ 50.00	20.00	\$ 1,225.00
Drain Inlet (EA)			\$ 3,625.00	2.00	\$ 7,250.00
4" Sidewalk (SY)				0.00	\$ -
Guardrail (LF)				0.00	\$ -
End Anchorage (EA)				0.00	\$ -
Subtotal					\$ 10,199.80
Grading Complete (5% of Rwy Items & Drng Total \$)					\$ 6,757.03
Stading Complete (5% of Rwy Items & Dring Total \$)					
Roadway Total					\$ 16,956.83
Drainage	Remov	al Unit Cost	Installation Unit Cost	Amount	Total Cost
Trench Excavation (CY)			\$ 12.98		
60" CMP (LF)	\$	30.75		80.00	\$ 7,380.00
60" RCP			\$ 346.63		
Class A Conc (CY)			\$ 1,850.86	53.51	\$ 99,039.52
Steel (lb)			\$ 2.45	,	
Pipe Bedding (CY)			\$ 60.75		
Trench Backfill (CY)			\$ 3.74	4 246.77	\$ 921.70
Trench Compaction (CY)			\$ 7.99	5 197.42	\$ 1,569.48
Drainage Total					\$ 124,940.74
Signing and Marking			Installation Unit Cost	Amount	Total Cost
			\$ 1.50		\$ -
Permanent Striping (LF)			Ψ 1.50	0.00	ψ -
Signing and Marking Total					\$ -
C4			t-  -ti-,	A /	T-4-1 0 '
Staging			Installation Unit Cost	Amount	Total Cost
Clearing and Grubbing (Acre)			\$ 26,500.00	0.10	
Temporary Pavement			¢ 5,004.0	4 4 00	\$ -
Temporary Drainage (Stream Diversion)			\$ 5,064.24	1.00	\$ 5,064.24
Staging Total					\$ 7,714.24
Erosion Control			Installation Unit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)			\$ 5.49	9 45.11	\$ 247.66
Temporary Grassing (AC)			\$ 1,061.28	0.00	\$ -
Type C Silt Fence (LF)			\$ 5.50	320.00	\$ 1,760.00
Check Dam Type C Silt Fence (LF)			\$ 15.14	320.00	\$ 4,844.80
Erosion Control Mats (SY)			\$ 1.9		
Landscape Mulch (SY)			\$ 12.22	2 106.67	\$ 1,303.47
Perm Grassing (AC)			\$ 2,935.69		
Rip Rap Type 3 12" (SY)			\$ 129.93		
Plastic Filter Fabric (SY)			\$ 7.50		
4" Ditch Paving (SY)			\$ 74.89		
Erosion Control Total					\$ 10,931.42
·					φ 10,931.42
Construction Cost Total					
					\$ 160,543.23
Traffic Control (8% of Construction Total \$)					
Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total					\$ 12,843.46
·	Remov	ral Unit Cost	Installation Unit Cost	Amount	\$ 12,843.46
Construction Cost Grand Total Utility Relocation Electric				Amount	\$ 12,843.46 \$ 173,386.69 Total Cost
Construction Cost Grand Total  Utility Relocation	\$	ral Unit Cost 13.75	Installation Unit Cost \$ 68.7		\$ 12,843.46 \$ 173,386.69 Total Cost \$ -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried	\$ \$			5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ -
Construction Cost Grand Total Utility Relocation Electric Aerial	\$	13.75	\$ 68.79	5 3	\$ 12,843.46 \$ 173,386.69 Total Cost \$ -
Construction Cost Grand Total  Utility Relocation  Electric  Aerial  Buried	\$ \$	13.75 20.63	\$ 68.75 \$ 103.13	5 3	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole	\$ \$	13.75 20.63	\$ 68.75 \$ 103.13	5 3 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ -
Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone	\$ \$ \$	13.75 20.63 103.13	\$ 68.75 \$ 103.15 \$ 756.25	5 3 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ -
Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial	\$ \$ \$	13.75 20.63 103.13 13.75	\$ 68.75 \$ 103.15 \$ 756.25 \$ 68.75	5 3 5 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ -
Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried	\$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ 68.75 \$ 103.15 \$ 756.25 \$ 68.75 \$ 103.15	5 3 5 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ - \$ -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Buried Wooden Pole Wooden Pole	\$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ 68.75 \$ 103.15 \$ 756.25 \$ 68.75 \$ 103.15	5 3 5 5 3 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Wooden Pole Cable	\$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.7' \$ 103.1' \$ 756.2' \$ 68.7' \$ 103.1' \$ 756.2'	5 3 5 5 3 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ - \$ -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Buried Wooden Pole Cable Wooden Pole Cable Wooden Pole	\$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.7! \$ 103.1: \$ 756.2! \$ 68.7! \$ 103.1: \$ 756.2! \$ 68.7!	5 3 5 5 3 5 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas	\$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.7: \$ 103.1: \$ 756.2: \$ 68.7: \$ 103.1: \$ 756.2: \$ 68.7: \$ 103.1: \$ 756.2:	5 5 5 5 5 5 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Cable Aerial Buried Wooden Pole Cable Gas 4" main	\$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ 68.7: \$ 103.1: \$ 756.2: \$ 68.7: \$ 103.1: \$ 756.2: \$ 68.7: \$ 103.1:	5 5 5 5 5 5 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water	\$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.7! \$ 103.1: \$ 756.2! \$ 68.7! \$ 103.1: \$ 756.2! \$ 68.7! \$ 103.1: \$ 756.2!	5 5 5 5 5 5 5 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Casle Aerial Buried Wooden Pole Carlo Buried Wooden Pole Carlo Buried Wooden Pole Gas 4* main Water 8* main	\$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.7: \$ 103.1: \$ 756.2: \$ 68.7: \$ 103.1: \$ 756.2: \$ 68.7: \$ 103.1: \$ 756.2: \$ 82.50	5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Rerial Buried Wooden Pole Gas Wooden Pole Gas T' main Water B" main Relocate Fire Hydrant (EA)	\$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.7! \$ 103.1: \$ 756.2! \$ 68.7! \$ 103.1: \$ 756.2! \$ 68.7! \$ 103.1: \$ 756.2!	5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 68.7! \$ 103.1: \$ 756.2! \$ 68.7! \$ 103.1: \$ 756.2! \$ 68.7! \$ 103.1: \$ 756.2! \$ 82.50 \$ 194.4 \$ 5,665.6:	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Rerial Buried Wooden Pole Gas " main Water " main Relocate Fire Hydrant (EA)	\$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	\$ 68.7: \$ 103.1: \$ 756.2: \$ 68.7: \$ 103.1: \$ 756.2: \$ 68.7: \$ 103.1: \$ 756.2: \$ 82.50	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole Cable Aerial Buried Wooden Fole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 68.7: \$ 103.1: \$ 756.2: \$ 68.7: \$ 103.1: \$ 756.2: \$ 68.7: \$ 103.1: \$ 756.2: \$ 82.50 \$ 194.4 \$ 5,665.6:	5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Construction Cost Grand Total  Utility Relocation  Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Carial Buried Wooden Fole Cable Rerial Buried Wooden Fole Cable Rerial Buried Wooden Fole Gas 4" main Relocate Fire Hydrant (EA) Sewer 12" main	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	\$ 68.7! \$ 103.1: \$ 756.2! \$ 68.7! \$ 103.1: \$ 756.2! \$ 68.7! \$ 103.1: \$ 756.2! \$ 82.50 \$ 194.4 \$ 5,665.6:	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	\$ 12,843.46 \$ 173,386.69 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -





## 2023 STORMWATER SPLOST 290 Oak Street Category II, Tier II



Project Cost Estimate						
Design / Engineering	\$	11,934				
Right of Way Acquisition	\$	0				
Environmental	\$	10,000				
Utility Relocation	\$	9,109				
Construction	\$	69,340				
Total Cost Estimate	\$	100,384				



	Street

Roadway Construction Pavement (SF) Curb and Gutter (LF) Drain Inlet (EA) 4" Sidewalk (SY) Guardrail (LF) End Anchorage (EA) Subtotal  Grading Complete (5% of Rwy Items & Drng Total \$)  Roadway Total  Drainage Trench Excavation (CY) 30" CMP (LF) Class A Conc (CY) Steel (Ib) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking Permanent Striping (LF)	\$	Unit Cost Unit Cost 24.53	Installation US	9.74		
Curb and Gutter (LF) Drain Inlet (EA) 4" Sidewalk (SY) Guardrail (LF) End Anchorage (EA) Subtotal  Grading Complete (5% of Rwy Items & Drng Total \$)  Roadway Total  Drainage Trench Excavation (CY) 30" CMP (LF) 42" RCP (LF) Class A Conc (CY) Steel (Ib) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking	Removal	Unit Cost	Installation U \$ \$ \$ \$	Jnit Cost 12.98 175.75	0.00 0.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ - \$ 1,355.20 \$ 1,844.30 \$ 3,199.50 Total Cost \$ 1,607.60
Drain Inlet (EA) 4" Sidewalk (SY) Guardrail (LF) End Anchorage (EA) Subtotal  Grading Complete (5% of Rwy Items & Drng Total \$)  Roadway Total  Drainage Trench Excavation (CY) 30" CMP (LF) 42" RCP (LF) Class A Conc (CY) Steel (Ib) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking			\$ \$ \$	12.98 175.75	0.00 0.00 0.00 0.00 0.00 Amount 123.85 64.00	\$ - \$ - \$ - \$ 1,355.2( \$ 1,844.3( \$ 3,199.5( Total Cost \$ 1,607.6(
4" Sidewalk (SY) Guardrail (LF) End Anchorage (EA) Subtotal  Grading Complete (5% of Rwy Items & Drng Total \$)  Roadway Total  Drainage Trench Excavation (CY) 30" CMP (LF) 42" RCP (LF) Class A Conc (CY) Steel (Ib) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking			\$ \$ \$	12.98 175.75	0.00 0.00 0.00 0.00 Amount 123.85 64.00	\$ - \$ - \$ 1,355.20 \$ 1,844.38 \$ 3,199.58 Total Cost \$ 1,607.60
Guardrail (LF) End Anchorage (EA) Subtotal  Grading Complete (5% of Rwy Items & Drng Total \$)  Roadway Total  Drainage Trench Excavation (CY) 30" CMP (LF) 42" RCP (LF) Class A Conc (CY) Steel (Ib) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking			\$ \$ \$	12.98 175.75	0.00 0.00 Amount 123.85 64.00	\$ - \$ 1,355.20 \$ 1,844.30 \$ 3,199.50 Total Cost \$ 1,607.60
End Anchorage (EA) Subtotal  Grading Complete (5% of Rwy Items & Drng Total \$)  Roadway Total  Drainage Trench Excavation (CY) 30" CMP (LF) 42" RCP (LF) Class A Conc (CY) Steel (Ib) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking			\$ \$ \$	12.98 175.75	0.00 Amount 123.85 64.00	\$ 1,355.20 \$ 1,844.39 \$ 3,199.59 Total Cost \$ 1,607.60
Subtotal  Grading Complete (5% of Rwy Items & Drng Total \$)  Roadway Total  Drainage  Trench Excavation (CY) 30° CMP (LF) 42" RCP (LF) Class A Conc (CY) Steel (Ib) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking			\$ \$ \$	12.98 175.75	Amount 123.85 64.00	\$ 1,355.20 \$ 1,844.39 \$ 3,199.59 Total Cost \$ 1,607.60
Grading Complete (5% of Rwy Items & Drng Total \$)  Roadway Total  Drainage Trench Excavation (CY) 30" CMP (LF) 42" RCP (LF) Class A Conc (CY) Steel (lb) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking			\$ \$ \$	12.98 175.75	123.85 64.00	\$ 1,844.35 \$ 3,199.55 Total Cost \$ 1,607.60
Roadway Total  Drainage Trench Excavation (CY) 30" CMP (LF) 42" RCP (LF) Class A Conc (CY) Steel (lb) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking			\$ \$ \$	12.98 175.75	123.85 64.00	\$ 3,199.58 Total Cost \$ 1,607.60
Roadway Total  Drainage Trench Excavation (CY) 30" CMP (LF) 42" RCP (LF) Class A Conc (CY) Steel (lb) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking			\$ \$ \$	12.98 175.75	123.85 64.00	\$ 3,199.58 Total Cost \$ 1,607.60
Drainage Trench Excavation (CY) 30" CMP (LF) 42" RCP (LF) Class A Conc (CY) Steel (lb) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY) Drainage Total Signing and Marking			\$ \$ \$	12.98 175.75	123.85 64.00	Total Cost \$ 1,607.60
Drainage Trench Excavation (CY) 30" CMP (LF) 42" RCP (LF) Class A Conc (CY) Steel (lb) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY) Drainage Total Signing and Marking			\$ \$ \$	12.98 175.75	123.85 64.00	Total Cost \$ 1,607.60
Trench Excavation (CY) 30" CMP (LF) 42" RCP (LF) Class A Conc (CY) Steel (lb) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking			\$ \$ \$	12.98 175.75	123.85 64.00	\$ 1,607.60
30" CMP (LF) 42" RCP (LF) Class A Conc (CY) Steel (lb) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking	\$	24.53	\$ \$ \$	175.75	64.00	
42" RCP (LF) Class A Conc (CY) Steel (lb) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking	\$	24.53	\$ \$			\$ 1,569.92
Class A Conc (CY) Steel (lb) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking			\$ \$		64.00	
Steel (Ib) Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking			\$	1,850.86		\$11,248.00
Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking					10.40	\$19,248.94
Trench Backfill (CY) Trench Compaction (CY)  Drainage Total  Signing and Marking			dr.	2.45	0.00	\$ -
Trench Compaction (CY)  Drainage Total  Signing and Marking			\$	60.75	13.04	\$ 792.00
Trench Compaction (CY)  Drainage Total  Signing and Marking			\$	3.74	105.53	\$ 394.15
Signing and Marking			\$	7.95	84.42	\$ 671.16
Signing and Marking						\$35,531.76
						. ,
Permanent Striping (LE)			Installation U		Amount	Total Cost
Tomaton outping (El )			\$	1.56		\$ -
Signing and Marking Total						\$ -
Staging			Installation U		Amount	Total Cost
Clearing and Grubbing (Acre)			\$ 2	26,500.00	0.25	\$ 6,625.00
Temporary Pavement						\$ -
Temporary Drainage (Stream Diversion)			\$	5,064.24	1.00	\$ 5,064.24
Staging Total						\$11,689.24
Erosion Control			Installation U	Init Cost	Amount	Total Cost
Fine Grading and Seeding (SY)			\$	5.49	25.67	\$ 140.9°
Temporary Grassing (AC)			\$	1,061.28	0.00	\$ 140.3
			\$	5.50		
Type C Silt Fence (LF)						. ,
Check Dam Type C Silt Fence (LF)			\$	15.14	512.00	\$ 7,751.68
Erosion Control Mats (SY)			\$	1.97	56.89	\$ 112.0
Landscape Mulch (SY)			\$	12.22	56.89	
Perm Grassing (AC)			\$	2,935.65	0.00	
Rip Rap Type 3 12" (SY)			\$	129.93		\$ 2,143.8
Plastic Filter Fabric (SY)			\$	7.50		
4" Ditch Paving (SY)			\$	74.85	0.00	\$ -
Erosion Control Total						\$13,783.44
Construction Cost Total						\$64,203.99
Traffic Control (8% of Construction Total \$)						\$ 5,136.32
Construction Cost Grand Total						\$69,340.3
I Militar Delegation	D	Limit Court	Imphallation I	Imit O	A	
Utility Relocation Electric	Removal	Unit Cost	Installation U	Juit Cost	Amount	Total Cost
Aerial	\$	13.75	\$	68.75	50.00	\$ 4,125.00
Buried	\$ \$	20.63	\$ \$	103.13	0.00	
Wooden Pole	\$ \$	103.13	\$ \$	756.25	1.00	
Phone	φ	103.13	φ	100.20	1.00	ψ 009.30
	¢	12 75	¢	60 75	E0.00	¢ / 105 0
Aerial Buried	\$	13.75	\$	68.75		\$ 4,125.00
	\$	20.63	\$	103.13	0.00	
Wooden Pole	\$	103.13	\$	756.25	0.00	φ -
Cable	•	40	•	00		•
Aerial	\$	13.75	\$	68.75	0.00	
Buried	\$	20.63	\$	103.13	0.00	
Wooden Pole	\$	103.13	\$	756.25	0.00	\$ -
Gas	•	00	•	00		•
4" main	\$	20.63	\$	82.50	0.00	\$ -
Water						
8" main	\$	20.63	\$	194.41	0.00	\$ -
Sewer	e	64.05	e	100.00	0.00	e
12" main Utility Relocation Total	\$	61.65	\$	103.28	0.00	\$ - \$ 9,109.38
·						
Right of Way (Sq Ft)			Cost/ Sq Ft		Sq Ft	Total Cost
Permanent Easement			\$	5.00	0.00	
ROW Total						\$ -

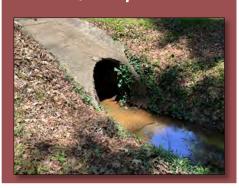


Diameter: 36"

**Length: 120**′

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate:** \$148,710





### **2023 STORMWATER SPLOST**

### 190 Ponderosa Drive Category II, Tier II



Project Cost Estimate						
Design / Engineering	\$	12,218				
Right of Way Acquisition	\$	25,000				
Environmental	\$	10,000				
Utility Relocation	\$	29,314				
Construction	\$	72,178				
Total Cost Estimate	\$	148,710				



100	Ponderosa	Drive

	-				
Roadway Construction	Removal l		Installation Unit Cos		Total Cost
Pavement (SF)	\$	1.46	\$ 9.		
Curb and Gutter (LF)	\$	11.25	\$ 50.		
Drain Inlet (EA)			\$ 3,625.		\$ 7,250.00
4" Sidewalk (SY)				0.00	
Guardrail (LF)					\$ -
End Anchorage (EA) Subtotal					\$ - \$11,447.20
Grading Complete (5% of Rwy Items & Drng Total \$)					\$ 2,567.02
Roadway Total					\$ 14,014.22
Drainage	Removal l	Unit Cost	Installation Unit Cos		Total Cost
Trench Excavation (CY)			\$ 12.5		
I8" CMP (LF)	\$	30.75		120.00	
8" RCP (LF)			\$ 223.		\$ 8,938.80
Class A Conc (CY)			\$ 1,850.		\$ 25,356.78
Steel (lb)			\$ 2.		
Pipe Bedding (CY) French Backfill (CY)			\$ 60.° \$ 3.°	75 8.89 74 44.05	
French Compaction (CY)			\$ 7.5		
Drainage Total					\$ 39,893.29
Signing and Marking			Installation Unit Cos	t Amount	Total Cost
Permanent Striping (LF)				56 0.00	
Signing and Marking Total					\$ -
Staging			Installation Unit Cos	t Amount	Total Cost
Clearing and Grubbing (Acre)			\$ 26,500.	0.10	\$ 2,650.00
Temporary Pavement					\$ -
Temporary Drainage (Stream Diversion)			\$ 5,064.	24 1.00	\$ 5,064.24
Staging Total					\$ 7,714.24
Erosion Control			Installation Unit Cos	t Amount	Total Cost
Fine Grading and Seeding (SY)			\$ 5.4		
Temporary Grassing (AC)			\$ 1,061.		
Type C Silt Fence (LF)			\$ 5.		
Check Dam Type C Silt Fence (LF)			\$ 15.		
Erosion Control Mats (SY)			\$ 1.		
andscape Mulch (SY)			\$ 12.	22 53.33	\$ 651.7
Perm Grassing (AC)			\$ 2,935.	65 0.00	\$ -
Rip Rap Type 3 12" (SY)			\$ 129.	93 8.00	\$ 1,039.4
Plastic Filter Fabric (SY)			\$ 7.	50 8.00	\$ 60.0
4" Ditch Paving (SY)			\$ 74.	85 0.00	\$ -
Erosion Control Total					\$ 5,209.8
Construction Cost Total					\$ 66,831.6
Traffic Control (8% of Construction Total \$)					\$ 5,346.53
Construction Cost Grand Total					\$72,178.10
Jtility Relocation	Removal l	Unit Cost	Installation Unit Cos	t Amount	Total Cost
Electric					
Aerial	\$	13.75	\$ 68.		\$ -
Buried	\$	20.63	\$ 103.		\$ 6,187.50
Vooden Pole	\$	103.13	\$ 756.	25	\$ -
Phone	•	10 ==	Φ ===	7.5	•
Aerial Ruriod	\$	13.75	\$ 68.		\$ - ¢ 6 107 5
Buried Wooden Pole	\$ \$	20.63	\$ 103. \$ 756.		\$ 6,187.50 \$ -
vooden Pole Cable	φ	103.13	ψ / 20	20	φ -
Sable Aerial	\$	13.75	\$ 68.	75	\$ -
Buried	\$	20.63	\$ 103.		
Wooden Pole	\$	103.13	\$ 756.		\$ -
Gas	•		. 30		•
t" main	\$	20.63	\$ 82.	50	\$ -
Water					
3" main	\$	20.63	\$ 194.	41 50.00	\$ 10,751.7
Relocate Fire Hydrant (EA)			\$ 5,665.		\$ -
Sewer	_			0.00	_
I2" main Jtility Relocation Total	\$	61.65	\$ 103.3	28 0.00	\$ - \$29,314.2
Junty Holocation Total					ψ 23,0 14.23
Right of Way (Sq Ft)			Cost/ Sq Ft	Sq Ft	Total Cost
Permanent Easement			\$ 5.	5,000.00	\$ 25,000.00
ROW Total					\$25,000.00



Diameter: 36"

Length: 290'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate:** \$153,067





### **2023 STORMWATER SPLOST**

545 Ridgemont Drive Category II, Tier II



Project Cost Estimate							
Design / Engineering	\$	12,523					
Right of Way Acquisition	\$	26,000					
Environmental	\$	10,000					
Utility Relocation	\$	29,314					
Construction	\$	75,230					
Total Cost Estimate	\$	153,067					



#### Roadway Construction, Utility Relocation and ROW Quantity Calculations 545 Ridgemont Drive

Roadway Construction, Utility Relocation and ROW Quantity Calculations						545 Ridgemont Drive			
Roadway Construction	Rer	noval Unit Cost	Inst	allation Unit Cost	Amount		Total Cost		
Pavement (SF)	\$	1.46	\$	9.74	144.00	\$	1,612.80		
Curb and Gutter (LF)	\$	11.25	\$	50.00	20.00		1,225.00		
Drain Inlet (EA) 4" Sidewalk (SY)			\$	3,625.00	2.00	\$	7,250.00		
Guardrail (LF)						\$	-		
End Anchorage (EA)						\$	-		
Subtotal						\$	10,087.80		
Grading Complete (10% of Rwy Items & Drng Total \$)						\$	5,641.77		
Roadway Total						\$	15,729.57		
Drainage	Rer	noval Unit	Insta	allation Unit	Amount		Total Cost		
Trench Excavation (CY)		Cost	\$	<b>Cost</b> 12.98	133.33	\$	1,730.00		
36" CMP (LF)	\$	24.53			296.00	\$	7,259.40		
36" RCP			\$	165.83	36.00		5,969.88		
86" HPDE Class A Conc (CY)			\$	132.66	200.00	\$	26,532.80		
Steel (lb)						\$	-		
Pipe Bedding (CY)			\$	60.75	22.70		1,379.03		
French Backfill (CY) French Compaction (CY)			\$ \$	3.74 7.95	296.00 296.00		1,105.56 2,353.20		
Trenen Compaction (CT)			Ψ	7.55	290.00	Ψ	2,000.20		
Orainage Total						\$	46,329.87		
Signing and Marking			Inst	allation Unit Cost	Amount		Total Cost		
Permanent Striping (LF)					0	\$	-		
Signing and Marking Total						\$	-		
Staging			Inst	allation Unit	Amount		Total Cost		
Clearing and Grubbing (Acre)			\$	Cost 26,500.00	0.10	\$	2,650.00		
Temporary Pavement			•	,			_,		
Femporary Drainage (Stream Diversion)					0.00	\$	-		
Staging Total						\$	2,650.00		
Erosion Control			Inst	allation Unit	Amount		Total Cost		
Fine Grading and Seeding (SY)			\$	<b>Cost</b> 5.49	100.00	\$	549.00		
Temporary Grassing (AC)			\$	1,061.28	0.00		-		
Type C Silt Fence (LF)			\$	5.50	400.00		2,200.00		
Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY)			\$ \$	15.14 1.97	0.00		-		
Landscape Mulch (SY)			\$	12.22	0.00		-		
Perm Grassing (AC)			\$	2,935.65	0.00		-		
Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY)			\$ \$	129.93 7.50	16.00 16.00		2,078.8 120.0		
4" Ditch Paving (SY)			\$	74.85	0.00		-		
Erosion Control Total						\$	4,947.88		
Construction Cost Total						\$	69,657.31		
Traffic Control (8% of Construction Total \$)						\$	5,572.58		
Construction Cost Grand Total						\$	75,229.90		
	Rer	noval Unit	Inst	allation Unit			•		
Utility Relocation  Electric		Cost		Cost	Amount		Total Cost		
Aerial	\$	13.75	\$	68.75		\$	-		
Buried	\$	20.63	\$	103.13	50	\$	6,187.50		
Wooden Pole Phone	\$	103.13	\$	756.25		\$	-		
Aerial	\$	13.75	\$	68.75		\$	-		
Buried	\$	20.63	\$	103.13	50	\$	6,187.50		
Vooden Pole Cable	\$	103.13	\$	756.25		\$	-		
Cable Aerial	\$	13.75	\$	68.75		\$	_		
Buried	\$	20.63	\$	103.13	50	\$	6,187.50		
Vooden Pole	\$	103.13	\$	756.25		\$	-		
<b>Gas</b> I" main	\$	20.63	\$	82.50		\$	-		
Water									
3" main	\$	20.63	\$	194.41	50		10,751.7		
Relocate Fire Hydrant (EA) Sewer			\$	5,665.63	0	\$	-		
2" main	\$	61.65	\$	103.28	0.00		-		
Jtility Relocation Total						\$	29,314.25		
Right of Way (Sq Ft)			Cost/				tal Cost		
Permanent Easement			\$	5.00	5200	\$	26,000.00		



**Diameter: Two-72**"

**Length: 124**′

Material: Corrugated Metal Pipe (CMP)

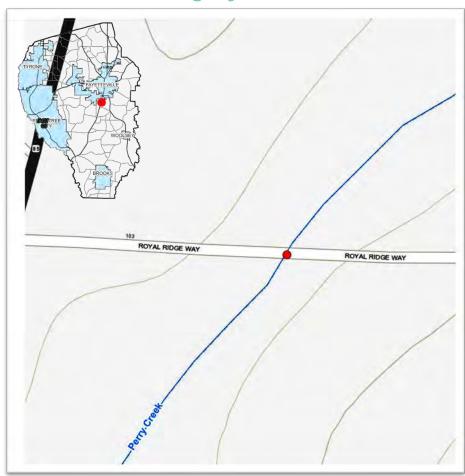
**Project Cost Estimate:** \$390,082





### **2023 STORMWATER SPLOST**

Royal Ridge Way
Category II, Tier II



Project Cost Estimate						
Design / Engineering	\$	45,189				
Right of Way Acquisition	\$	0				
Environmental	\$	18,000				
Utility Relocation	\$	0				
Construction	\$	326,893				
Total Cost Estimate	\$	390,082				



Roadway Construction	Removal Unit	-	Installation Ur		Amount	Total Cost
Pavement (SF)	\$	1.46	\$	9.74	468.00	\$ 5,241.60
Curb and Gutter (LF)	\$	11.25	\$	50.00	36.00	\$ 2,205.00
Drain Inlet (EA)	•			3,625.00	2.00	
			Ψ	0,020.00		
4" Sidewalk (SY)					0.00	
Guardrail (LF)					0.00	\$ -
End Anchorage (EA)					0.00	\$ -
Subtotal						\$ 14,696.60
						, , ,
Grading Complete (5% of Rwy Items & Drng Total \$)						\$ 13,539.73
Grading Complete (5% of Kwy Items & Ding Total \$)						φ 13,339.73
Roadway Total						\$ 28,236.33
Drainage	Removal Unit	Cost	Installation Ur	nit Cost	Amount	Total Cost
Trench Excavation (CY)	-		\$	12.98	413.33	
, ,	\$	78.75	Ψ	12.00	124.00	
72" CMP	Ф	10.15	•	450.00		
72" RCP			\$	450.88	0.00	
Class A Conc (CY)				1,850.86	111.22	\$ 205,856.35
Steel (lb)			\$	2.45	11533.80	\$ 28,257.81
Pipe Bedding (CY)			\$	60.75	42.70	\$ 2,594.03
Trench Backfill (CY)			\$	3.74	421.97	\$ 1,576.05
Trench Compaction (CY)			\$	7.95	337.57	
Trenen dompaction (OT)			Ψ	7.55	557.57	Ψ 2,000.71
D : T / /						A 050 000 04
Drainage Total						\$ 256,098.01
Signing and Marking			Installation Ur	nit Cost	Amount	Total Cost
Permanent Striping (LF)			\$	1.56	54.00	\$ 84.24
1 3 ( )						
Signing and Marking Total						\$ 84.24
Organing and Marking Total						ψ 04.24
01 :			1 ( " " "			T
Staging			Installation Ur		Amount	Total Cost
Clearing and Grubbing (Acre)			\$ 2	6,500.00	0.10	\$ 2,650.00
Temporary Pavement						\$ -
Temporary Drainage (Stream Diversion)			\$	5,064.24	1.00	\$ 5,064.24
romporary Bramago (orroran Brioronon)			•	0,00		Ψ 0,002.
Staging Total						¢ 7.700.40
Staging Total						\$ 7,798.48
Erosion Control			Installation Ur	nit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)			\$	5.49	72.00	\$ 395.28
Temporary Grassing (AC)				1,061.28	0.00	
Type C Silt Fence (LF)			\$	5.50	248.00	
			Ψ.		248.00	
Check Dam Type C Silt Fence (LF)			\$	15.14		
Erosion Control Mats (SY)			\$	1.97	0.00	
						\$ -
Erosion Control Mats (SY) Landscape Mulch (SY)			\$ \$	1.97 12.22	0.00 0.00	\$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC)			\$ \$ \$	1.97 12.22 2,935.65	0.00 0.00 0.00	\$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY)			\$ \$ \$	1.97 12.22 2,935.65 129.93	0.00 0.00 0.00 36.00	\$ - \$ - \$ - \$ 4,677.48
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY)			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50	0.00 0.00 0.00 36.00 36.00	\$ - \$ - \$ - \$ 4,677.48 \$ 270.00
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY)			\$ \$ \$	1.97 12.22 2,935.65 129.93	0.00 0.00 0.00 36.00	\$ - \$ - \$ - \$ 4,677.48 \$ 270.00
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY)			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50	0.00 0.00 0.00 36.00 36.00	\$ - \$ - \$ - \$ 4,677.48 \$ 270.00
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY)			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50	0.00 0.00 0.00 36.00 36.00	\$ - \$ - \$ - \$ 4,677.48 \$ 270.00
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50	0.00 0.00 0.00 36.00 36.00	\$ - \$ - \$ - \$ 4,677.48 \$ 270.00 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50	0.00 0.00 0.00 36.00 36.00	\$ - \$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50	0.00 0.00 0.00 36.00 36.00	\$ - \$ - \$ - \$ 4,677.48 \$ 270.00 \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50	0.00 0.00 0.00 36.00 36.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50	0.00 0.00 0.00 36.00 36.00	\$ - \$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50	0.00 0.00 0.00 36.00 36.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50	0.00 0.00 0.00 36.00 36.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)			\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50	0.00 0.00 0.00 36.00 36.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)	Removal Unit	Cost	\$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85	0.00 0.00 0.00 36.00 36.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation	Removal Unit	Cost	\$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85	0.00 0.00 0.00 36.00 36.00 0.00	\$ - \$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric	-		\$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur	1.97 12.22 2,935.65 129.93 7.50 74.85	0.00 0.00 0.00 36.00 36.00 0.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial	\$	13.75	\$ \$ \$ \$ \$ \$ \$ \$ Installation Ur	1.97 12.22 2,935.65 129.93 7.50 74.85	0.00 0.00 0.00 36.00 0.00 Amount	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried	\$	13.75 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur \$	1.97 12.22 2,935.65 129.93 7.50 74.85	0.00 0.00 0.00 36.00 0.00 Amount	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole	\$	13.75	\$ \$ \$ \$ \$ \$ \$ \$ Installation Ur	1.97 12.22 2,935.65 129.93 7.50 74.85	0.00 0.00 0.00 36.00 0.00 Amount	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried	\$ \$ \$	13.75 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur \$	1.97 12.22 2,935.65 129.93 7.50 74.85	0.00 0.00 0.00 36.00 0.00 0.00 Amount 0.00 0.00	\$ - \$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole	\$	13.75 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur \$	1.97 12.22 2,935.65 129.93 7.50 74.85	0.00 0.00 0.00 36.00 0.00 Amount	\$ - \$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone	\$ \$ \$	13.75 20.63 103.13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85	0.00 0.00 0.00 36.00 36.00 0.00 0.00 0.0	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried  Wooden Pole Phone Aerial Buried	\$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13	0.00 0.00 0.00 36.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Wooden Pole	\$ \$ \$ \$	13.75 20.63 103.13 13.75	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 nit Cost 68.75 103.13 756.25 68.75	0.00 0.00 0.00 36.00 36.00 0.00 0.00 0.0	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable	\$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13	0.00 0.00 0.00 36.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ 270.00 \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Wooden Pole Cable Aerial	\$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75	0.00 0.00 0.00 36.00 36.00 0.00 0.00 0.0	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13	0.00 0.00 0.00 36.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Wooden Pole Cable Aerial	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75	0.00 0.00 0.00 36.00 36.00 0.00 0.00 0.0	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13	0.00 0.00 0.00 36.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 mit Cost 68.75 103.13 756.25 68.75 103.13 756.25	0.00 0.00 0.00 36.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13	0.00 0.00 0.00 36.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 82.50	0.00 0.00 0.00 36.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25	0.00 0.00 0.00 36.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA)	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 82.50	0.00 0.00 0.00 36.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25	0.00 0.00 0.00 36.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA)	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63 20.63	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25	0.00 0.00 0.00 36.00 36.00 0.00 0.00 0.0	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole Sas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25	0.00 0.00 0.00 36.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Remain Buried Remain Relocate Fire Hydrant (EA) Sewer	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63 20.63	S S S S S S S S S S S S S S S S S S S	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25	0.00 0.00 0.00 36.00 36.00 0.00 0.00 0.0	\$ - \$ - \$ 4,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25	0.00 0.00 0.00 36.00 0.00 0.00 0.00 0.00	\$ - \$ - \$ 1,677.48 \$ 270.00 \$ - \$ 10,461.48 \$ 302,678.54 \$ 24,214.28 \$ 326,892.82 Total Cost \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 82.50 194.41 5,665.63	0.00 0.00 0.00 36.00 36.00 0.00 0.00 0.0	\$ - \$ - \$   \$   \$   \$   \$   \$   \$   \$
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total  Right of Way (Sq Ft) Permanent Easement	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 68.75 103.13 756.25	0.00 0.00 0.00 36.00 0.00 0.00 0.00 0.00	\$ - \$ - \$   \$   \$   \$   \$   \$   \$   \$
Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	***	13.75 20.63 103.13 13.75 20.63 103.13 13.75 20.63 103.13 20.63 20.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ Installation Ur \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.97 12.22 2,935.65 129.93 7.50 74.85 74.85 nit Cost 68.75 103.13 756.25 68.75 103.13 756.25 82.50 194.41 5,665.63	0.00 0.00 0.00 36.00 36.00 0.00 0.00 0.0	\$ - \$ - \$   \$   \$   \$   \$   \$   \$   \$



Diameter: Two-84"

Length: 210'

Material: Corrugated Metal Pipe (CMP)

**Project Cost Estimate: \$589,151** 





### **2023 STORMWATER SPLOST**

### **261 Trickum Creek Road**Category II, Tier II



Project Cost Estimate						
Design / Engineering	\$	58,474				
Right of Way Acquisition	\$	26,469				
Environmental	\$	18,000				
Utility Relocation	\$	26,469				
Construction	\$	459,740				
Total Cost Estimate	\$	589,151				



	•					
Roadway Construction	Removal L	Jnit Cost	Installation U	Jnit Cost	Amount	Total Cos
Pavement (SF)	\$	1.46	\$	9.74	1,144.00	\$ 12,812
Геmporary Gravel Road (SY)			\$	19.28	222.22	\$ 4,284
Curb and Gutter (LF)	\$	11.25	\$	50.00	20.00	\$ 1,225
Orain Inlet (EA)					0.00	\$
" Sidewalk (SY)					0.00	\$
Guardrail (LF)					0.00	
End Anchorage (EA)					0.00	
					0.00	
Subtotal						\$ 18,322
Grading Complete (5% of Rwy Items & Drng Total \$)						\$ 18,538
Roadway Total						\$ 36,860
Drainage Drainage	Removal L	Init Cost	Installation U	Init Cost	Amount	Total Cos
Trench Excavation (CY)	rtomovai c	7111C 000C	\$	12.98		\$ 11,441
4" CMP (LF)	\$	78.75	Ψ	12.00		\$ 49.612
4" RCP	Ψ	10.10			0.00	,.
			\$	1,850.86		\$ 245,257
class A Conc (CY)						
teel (lb)			\$	2.45	13,383.00	
ipe Bedding (CY)			\$	60.75	69.30	
rench Backfill (CY)			\$	3.74	905.44	
rench Compaction (CY)			\$	7.95	724.35	\$ 5,758
Prainage Total						\$ 352,450
						. ,
igning and Marking			Installation U		Amount	Total Cos
ermanent Striping (LF)			\$	1.56	0.00	\$
Signing and Marking Total						\$
taging			Installation U	Jnit Cost	Amount	Total Cos
Elearing and Grubbing (Acre)				26,500.00		\$ 5,300
emporary Pavement			•	20,000.00	0.20	\$
emporary Drainage (Stream Diversion)			\$	5,064.24	2.00	\$ 10,128
taging Total						\$ 15,428
3 3						, ., .
rosion Control			Installation U	Jnit Cost	Amount	Total Cos
ine Grading and Seeding (SY)			\$	5.49		\$ 761
emporary Grassing (AC)			\$	1,061.28	0.00	\$
ype C Silt Fence (LF)			\$	5.50	420.00	
theck Dam Type C Silt Fence (LF)			\$	15.14	420.00	
Frosion Control Mats (SY)			\$	1.97	140.00	
andscape Mulch (SY)			\$	12.22	140.00	
. , ,						
Perm Grassing (AC)			\$	2,935.65	0.00	
Rip Rap Type 3 12" (SY)			\$	129.93	69.33	
Plastic Filter Fabric (SY)			\$	7.50	69.33	
" Ditch Paving (SY)			\$	74.85	0.00	\$
rosion Control Total						\$ 20,945
onstruction Cost Total						\$ 425,684
raffic Control (8% of Construction Total \$)						\$ 34,054
Construction Cost Grand Total						\$ 459,739
	Damanali	l=:4 O = =4		I-it Ot	A	
Itility Relocation lectric	Removal L	THE COSE	Installation U	Jill Cost	Amount	Total Cos
erial	\$	13.75	\$	68.75	100.00	\$ 8,250
Buried	\$	20.63	\$ \$	103.13	0.00	
Vooden Pole	\$	103.13	\$	756.25	2.00	
	Ψ	100.13	Ψ	1 30.23	2.00	ψ 1,110
hone	œ.	40.75	œ.	CO 75	400.00	e 0.051
erial	\$	13.75	\$	68.75	100.00	
uried	\$	20.63	\$	103.13	0.00	
Vooden Pole	\$	103.13	\$	756.25		\$
able	œ.	10.75	œ.	60.75	400.00	e 0.054
erial uried	\$	13.75	\$	68.75 103.13	100.00	
	\$	20.63	\$		0.00	
/ooden Pole as	\$	103.13	\$	756.25		\$
as ' main	\$	20.63	\$	82.50		\$
main /ater	Ψ	20.03	Ψ	02.00		Ψ
	\$	20.00	¢	104 44	0.00	¢
	φ	20.63	\$	194.41	0.00	
" main			\$	5,665.63	0.00	\$
elocate Fire Hydrant (EA)						
elocate Fire Hydrant (EA) ewer	\$	61 SF	\$	103 30		Φ.
elocate Fire Hydrant (EA) ewer 2" main	\$	61.65	\$	103.28	0.00	\$ \$ 26,468
elocate Fire Hydrant (EA) ewer >" main tility Relocation Total	\$	61.65		103.28	0.00	\$ 26,468
elocate Fire Hydrant (EA)	\$	61.65	\$ Cost/ Sq Ft	103.28	0.00 Sq Ft	



Diameter: 72"

Length: 130'

Material: Corrugated Metal Pipe (CMP)

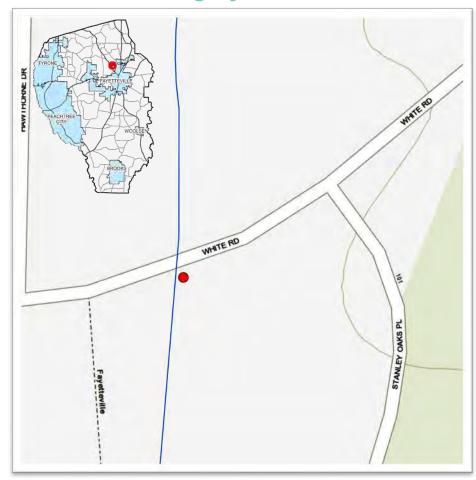
**Project Cost Estimate: \$597,311** 





### **2023 STORMWATER SPLOST**

**185 White Road** Category II, Tier II



Project Cost Estimate					
Design / Engineering	\$	50,423			
Right of Way Acquisition	\$	54,000			
Environmental	\$	12,500			
Utility Relocation	\$	22,000			
Construction	\$	458,388			
Total Cost Estimate	\$	597,311			



#### Roadway Construction, Utility Relocation and ROW Quantity Calculations White Road

Powerment (SF)	Roadway Construction		emoval		nstallation	Amount		Total Cost
Substance   Subs						2400.00	\$	26,220.0
Second and Care   Second   S								
Saurchan   E   S   16.99   S   61.36   S   300.00   144.08   S   14.08   S   S   14.08   S   S   14.08   S   S   S   S   S   S   S   S   S		\$	16.99				\$	
Read Anchorage (EA)   \$ 2.028.05		•	40.00					
Subtotal		\$	16.99					
Standing Complete (10% of Rwy Items & Ding Total \$)				Ф	2,028.03	4.00	\$	
Drainage	Grading Complete (10% of Rwy Items & Drng	Total \$)					\$	
Drainage	Roadway Total						\$	121,362.1
Drainage		D	omoval	1.	actallation			
	Drainage					Amount		Total Cost
	Trench Excavation (CY)			\$	20.00			
Class A Conc (CY)		\$	24.60					3,198.0
Steel (b)								105 000 0
Pipe Bedding (CY)								
Trench Backfill (CY)								
Signing and Marking					45.00	577.78	\$	
Signing and Marking	Trench Compaction (CY)			\$	6.36	577.78	\$	3,674.6
Permanent Striping and Marking Total   S	Drainage Total						\$	285,673.2
Permanent Striping (LF)	Cinning and Marking			lı	nstallation	<b>4</b>		Total Cont
Signing and Marking Total   Staging   Installation   Unit Cost   Clearing and Grubbing (Acre)   \$ 20,500.00   0.25   \$ 6,625.0					Unit Cost		¢	
Staging				Ф	1.00	100		
Clearing and Grubbing (Acre)   \$ 26,500.00   0.25   \$ 6,825.0	Signing and Marking Total						\$	100.0
Clearing and Grubbing (Acre)   \$ 26,500.00   0.25   \$ 6,625.0	Staging					Amount		Total Cost
Temporary Pavement   Temporary Drainage (Stream Diversion)	Clearing and Grubbing (Acre)					0.25	s	6 625 0
Erosion Control	Temporary Pavement					0.20		-
Erosion Control							e	6 725 0
Prosing Control   Unit Cost	Staging Total						ð	6,725.0
Fine Grading and Seeding (SY)	Erosion Control					Amount		Total Cost
Temporary Grassing (AC)	Fine Grading and Seeding (SY)					200.00	\$	1.317.6
Check Dam Type C Sill Fence (LF)         \$ 6.79         \$ 520.00         \$ 3.531.8           Erosion Control Mats (SY)         \$ 2.87         200.00         \$ 574.0           Landscape Mulch (SY)         \$ 5.58         200.00         \$ 1,116.0           Perm Grassing (AC)         \$ 1,402.20         0.25         \$ 350.5           Rig Rap Type 3 12" (SY)         \$ 60.98         22.00         \$ 1,341.6           Plastic Filter Fabric (SY)         \$ 63.30         22.00         \$ 138.6           4" Ditch Paving (SY)         \$ 456.50         0.00         \$ -           Erosion Control Total         \$ 424,433.2         \$ 424,433.2           Construction Cost Total         \$ 424,433.2         \$ 458,387.9           Construction Cost Grand Total         \$ 458,387.9         \$ 458,387.9           Construction Cost Grand Total         \$ 1,00         \$ 55.00         0.00         \$ -           Buried         \$ 11.00         \$ 55.00         0.00         \$ -           Buried         \$ 16.50         \$ 55.00 <td>Temporary Grassing (AC)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Temporary Grassing (AC)							
Erosion Control Mats (SY) \$ 2.87 200.00 \$ 574.0 Landscape Mulch (SY) \$ 5.58 200.00 \$ 1,116.0 Perm Grassing (AC) \$ 1,402.20 0.25 \$ 350.5 Rip Rap Type 3 12" (SY) \$ 6.098 22.00 \$ 1,341.6 Rip Rap Type 3 12" (SY) \$ 6.098 22.00 \$ 1,341.6 Rip Rap Type 3 12" (SY) \$ 6.098 22.00 \$ 1,341.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 22.00 \$ 138.6 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 6.30 20.00 \$ 1.34 Rip Rap Type 3 12" (SY) \$ 1.34 Rip Rap Type 3 12"	Type C Silt Fence (LF)							
Landscape Mulch (SY) \$ 5.58 200.00 \$ 1,116C Perm Grassing (AC) \$ 1,402.20 0.25 \$ 350.5 Rig Rap Type 3 12" (SY) \$ 60.98 22.00 \$ 1,341.6 Plastic Filter Fabric (SY) \$ 60.30 22.00 \$ 138.6 4" Ditch Paving (SY) \$ 54.65 0.00 \$ 138.6 4" Ditch Paving (SY) \$ 54.65 0.00 \$ 138.6 Traffic Control Total \$ 10,572.9  Construction Cost Total \$ 424,433.2  Traffic Control (8% of Construction Total \$ 33,954.6  Traffic Control (8% of Construction Total \$ 3,954.6  Traffic Control (8% of Construction Total \$ 3,954.6  Utility Relocation \$ 11.00 \$ 55.00 \$ 0.00 \$ - 6  Buried \$ 11.00 \$ 55.00 0.00 \$ - 6  Buried \$ 16.50 \$ 82.50 0.00 \$ - 6  Phone  Aerial \$ 11.00 \$ 27.50 0.00 \$ - 6  Buried \$ 16.50 \$ 55.00 0.00 \$ - 6  Buried \$ 16.50 \$ 55.00 0.00 \$ - 6  Cable  Aerial \$ 11.00 \$ 27.50 0.00 \$ - 6  Buried \$ 16.50 \$ 55.00 0.00 \$ - 6  Cable  Aerial \$ 11.00 \$ 27.50 0.00 \$ - 6  Buried \$ 16.50 \$ 55.00 0.00 \$ - 6  Cable  Aerial \$ 11.00 \$ 27.50 0.00 \$ - 6  Cable  Aerial \$ 11.00 \$ 27.50 0.00 \$ - 6  Cable  Aerial \$ 16.50 \$ 55.00 0.00 \$ - 6  Cable  Aerial \$ 16.50 \$ 55.00 0.00 \$ - 6  Cable  Aerial \$ 16.50 \$ 93.5								
Perm Grassing (AC)         \$ 1,402.20         0.25         \$ 350.5           Rip Rap Type 3 12" (SY)         \$ 60.98         22.00         \$ 1,341.6           Plastic Filter Fabric (SY)         \$ 60.98         22.00         \$ 1,341.6           4" Ditch Paving (SY)         \$ 54.65         0.00         \$ -           Erosion Control Total         \$ 10,572.9           Construction Cost Total         \$ 424,433.2           Traffic Control (8% of Construction Total)         \$ 458,387.9           Construction Cost Grand Total         \$ 458,387.9           Construction Cost Grand Total         \$ 458,387.9           Electric           Aerial         \$ 11.00         \$ 55.00         0.00         \$ -           Buried         \$ 16.50         \$ 82.50         0.00         \$ -           Phone           Aerial         \$ 11.00         \$ 27.50         0.00         \$ -           Buried         \$ 16.50         \$ 55.00         0.00         \$ -           Buried         \$ 16.50         \$ 55.00         0.00         \$ -           Buried         \$ 16.50         \$ 55.00         0.00         \$ -           Buried								
Rip Rap Type 3 12" (SY)								
Plastic Filter Fabric (SY)								
Construction Cost Total   \$   424,433.2   \$   424,433.2   \$   424,433.2   \$   424,433.2   \$   424,433.2   \$   424,433.2   \$   424,433.2   \$   424,433.2   \$   424,433.2   \$   424,433.2   \$   458,387.9   \$					6.30	22.00	\$	
Construction Cost Total  Traffic Control (8% of Construction Total \$ 33,954.6 \$ 33,954.6 \$ \$ 33,954.6 \$ \$ 33,954.6 \$ \$ \$ 33,954.6 \$ \$ \$ 33,954.6 \$ \$ \$ \$ 33,954.6 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4" Ditch Paving (SY)			\$	54.65	0.00	\$	-
Traffic Control (8% of Construction Total   \$   \$   \$   \$   \$   \$   \$   \$   \$	Erosion Control Total						\$	10,572.9
\$ 35,594.6  Construction Cost Grand Total \$ 458,387.9    Utility Relocation   Removal Unit Cost   Unit Cost   Unit Cost	Construction Cost Total						\$	424,433.2
Cable   Saz-Sign   S	Traffic Control (8% of Construction Total \$)						\$	33,954.6
Cable   Same	Construction Cost Grand Total						\$	458,387.90
Cost   Cost   Cost   Cost	Utility Relocation					Amount		Total Cost
Aerial \$ 11.00 \$ 55.00 0.00 \$	•	Ur	nit Cost		Unit Cost	Amount		Total Gost
Buried \$ 16.50 \$ 82.50 \$ 0.00 \$ - Wooden Pole \$ 82.50 \$ 605.00 \$ 0.00 \$ - Phone  Aerial \$ 11.00 \$ 27.50 \$ 0.00 \$ - Buried \$ 16.50 \$ 55.00 \$ 0.00 \$ - Wooden Pole \$ 82.50 \$ 605.00 \$ 0.00 \$ - Wooden Pole \$ 82.50 \$ 605.00 \$ 0.00 \$ -  Cable  Aerial \$ 11.00 \$ 27.50 \$ 0.00 \$ -  Cable  Aerial \$ 11.00 \$ 27.50 \$ 0.00 \$ -  Buried \$ 16.50 \$ 55.00 \$ 0.00 \$ -  Wooden Pole \$ 82.50 \$ 605.00 \$ 0.00 \$ -  Wooden Pole \$ 82.50 \$ 605.00 \$ 0.00 \$ -  Wooden Pole \$ 82.50 \$ 605.00 \$ 0.00 \$ -  Water  8" main \$ 16.50 \$ 66.00 \$ 0.00 \$ -  Water  8" main \$ 16.50 \$ 93.50 \$ 200.00 \$ 22,000.0  Sewer  12" main \$ 16.50 \$ 82.50 \$ 0.00 \$ -  Utility Relocation Total \$ 22,000.00  Right of Way (Sq Ft) \$ Sq Ft \$ Total Cost Permanent Easement \$ 6.00 \$ 9000 \$ \$ 54,000.00		\$	11.00	\$	55.00	0.00	\$	-
Phone Aerial \$ 11.00 \$ 27.50 0.00 \$ - Buried \$ 16.50 \$ 55.00 0.00 \$ - Wooden Pole \$ 82.50 \$ 605.00 0.00 \$ -  Cable Aerial \$ 11.00 \$ 27.50 0.00 \$ -  Buried \$ 11.00 \$ 27.50 0.00 \$ -  Buried \$ 16.50 \$ 55.00 0.00 \$ -  Wooden Pole \$ 82.50 \$ 605.00 0.00 \$ -  Wooden Pole \$ 82.50 \$ 605.00 0.00 \$ -  Water  8" main \$ 16.50 \$ 66.00 0.00 \$ -  Water  8" main \$ 16.50 \$ 93.50 200.00 \$ 22,000.0  Sewer  12" main \$ 16.50 \$ 82.50 0.00 \$ -  Utility Relocation Total \$ 22,000.00  Right of Way (Sq Ft) \$ Sq Ft Total Cost Permanent Easement \$ 6.00 9000 \$ \$ 54,000.00	Buried	\$	16.50	\$		0.00	\$	-
Aerial     \$ 11.00     \$ 27.50     0.00     \$ -       Burried     \$ 16.50     \$ 55.00     0.00     \$ -       Wooden Pole     \$ 82.50     \$ 605.00     0.00     \$ -       Cable       Aerial     \$ 11.00     \$ 27.50     0.00     \$ -       Buried     \$ 16.50     \$ 55.00     0.00     \$ -       Wooden Pole     \$ 82.50     \$ 605.00     0.00     \$ -       Gas       4" main     \$ 16.50     \$ 66.00     0.00     \$ -       8" main     \$ 16.50     \$ 93.50     200.00     \$ 22,000.0       Sewer       12" main     \$ 16.50     \$ 82.50     0.00     \$ -       Utility Relocation Total       Right of Way (Sq Ft)     Cost/ Sq Ft     Sq Ft     Total Cost       Permanent Easement	Wooden Pole	\$	82.50	\$	605.00	0.00	\$	-
Buried \$ 16.50 \$ 55.00 0.00 \$ Wooden Pole \$ 82.50 \$ 605.00 0.00 \$  Cable  Aerial \$ 11.00 \$ 27.50 0.00 \$  Buried \$ 16.50 \$ 55.00 0.00 \$  Wooden Pole \$ 82.50 \$ 605.00 0.00 \$  Wooden Pole \$ 82.50 \$ 605.00 0.00 \$  Gas  4" main \$ 16.50 \$ 66.00 0.00 \$  Water  8" main \$ 16.50 \$ 93.50 200.00 \$ 22,000.0  Sewer  12" main \$ 16.50 \$ 82.50 0.00 \$  Utility Relocation Total \$ 22,000.00  Right of Way (Sq Ft) \$ Cost/ Sq Ft \$ Sq Ft Total Cost Permanent Easement \$ 6.00 9000 \$ \$ 54,000.00		•	44.00	_	07.50	2.55	•	
Wooden Pole     \$ 82.50     \$ 605.00     0.00     \$ -       Cable       Aerial     \$ 11.00     \$ 27.50     0.00     \$ -       Buried     \$ 16.50     \$ 55.00     0.00     \$ -       Wooden Pole     \$ 82.50     \$ 605.00     0.00     \$ -       4" main     \$ 16.50     \$ 66.00     0.00     \$ -       8" main     \$ 16.50     \$ 93.50     200.00     \$ 22,000.0       12" main     \$ 16.50     \$ 82.50     0.00     \$ -       Utility Relocation Total     \$ 22,000.00       Right of Way (Sq Ft)     Cost/ Sq Ft     Sq Ft     Total Cost       Permanent Easement     \$ 6.00     9000     \$ 54,000.00								-
Cable         Aerial       \$ 11.00       \$ 27.50       0.00       \$ -         Buried       \$ 16.50       \$ 55.00       0.00       \$ -         Wooden Pole       \$ 82.50       \$ 605.00       0.00       \$ -         4" main       \$ 16.50       \$ 66.00       0.00       \$ -         8" main       \$ 16.50       \$ 93.50       200.00       \$ 22,000.0         12" main       \$ 16.50       \$ 82.50       0.00       \$ -         Utility Relocation Total       \$ 22,000.0       \$ 22,000.0         Right of Way (Sq Ft)       Cost/ Sq Ft       Sq Ft       Total Cost         Permanent Easement       \$ 6.00       9000       \$ 54,000.0								-
Aerial     \$ 11.00     \$ 27.50     0.00     \$ -8       Buried     \$ 16.50     \$ 55.00     0.00     \$ -8       Wooden Pole     \$ 82.50     \$ 605.00     0.00     \$ -8       4" main     \$ 16.50     \$ 66.00     0.00     \$ -8       8" main     \$ 16.50     \$ 93.50     200.00     \$ 22,000.0       Sewer       12" main     \$ 16.50     \$ 82.50     0.00     \$ -0       Utility Relocation Total       Right of Way (Sq Ft)     \$ QFt     Total Cost       Permanent Easement     \$ 6.00     9000     \$ 54,000.0		φ	02.00	φ	505.00	0.00	Ψ	-
Buried \$ 16.50 \$ 55.00 0.00 \$ Wooden Pole \$ 82.50 \$ 605.00 0.00 \$  Gas  4" main \$ 16.50 \$ 66.00 0.00 \$  Water  8" main \$ 16.50 \$ 93.50 200.00 \$ 22,000.0  Sewer  12" main \$ 16.50 \$ 82.50 0.00 \$  Utility Relocation Total \$ 22,000.00  Right of Way (Sq Ft) \$ Cost/ Sq Ft Sq Ft Total Cost  Permanent Easement \$ 6.00 9000 \$ 54,000.00		\$	11.00	\$	27.50	0.00	\$	-
Gas					55.00			-
4" main \$ 16.50 \$ 66.00 0.00 \$  Water  8" main \$ 16.50 \$ 93.50 200.00 \$ 22,000.0  Sewer  12" main \$ 16.50 \$ 82.50 0.00 \$  Utility Relocation Total \$ 22,000.0  Right of Way (Sq Ft) Cost/ Sq Ft Sq Ft Total Cost  Permanent Easement \$ 6.00 9000 \$ 54,000.0		\$	82.50	\$	605.00	0.00	\$	-
Water           8" main         \$ 16.50         \$ 93.50         200.00         \$ 22,000.0           12" main         \$ 16.50         \$ 82.50         0.00         \$ -           Utility Relocation Total         \$ 22,000.0         \$ 22,000.0           Right of Way (Sq Ft)         Cost/ Sq Ft         Sq Ft         Total Cost           Permanent Easement         \$ 6.00         9000         \$ 54,000.0		\$	16.50	\$	66.00	0.00	\$	-
Sewer	Water							00.000.0
Utility Relocation Total         \$ 22,000.00           Right of Way (Sq Ft)         Cost/ Sq Ft         Sq Ft         Total Cost           Permanent Easement         \$ 6.00         9000         \$ 54,000.00		\$	16.50	\$	93.50	200.00	\$	22,000.0
Right of Way (Sq Ft)         Cost/ Sq Ft         Sq Ft         Total Cost           Permanent Easement         \$ 6.00         9000         \$ 54,000.0		\$	16.50	\$	82.50	0.00		22 000 0
Permanent Easement \$ 6.00 9000 <b>\$ 54,000.0</b>	Noisoution Total							·
·								
	Right of Way (Sq Ft)							



Diameter: 18"

**Length: 212**′

Material: Corrugated Metal Pipe (CMP)

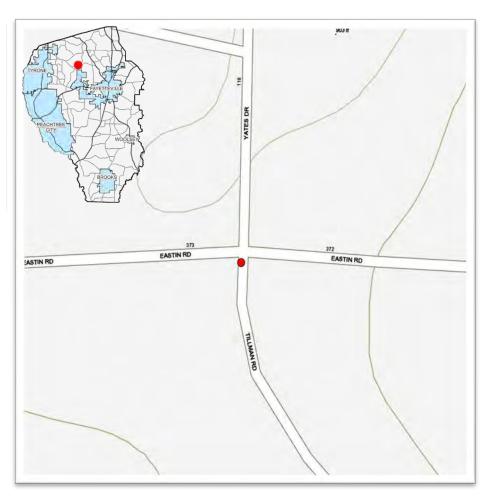
**Project Cost Estimate:** \$40,393





### **2023 STORMWATER SPLOST**

### Yates Drive at Eastin Road Category II, Tier II



Project Cost Estimate	
Right of Way Acquisition	\$ 5,000
Utility Relocation	\$ 5,000
Construction	\$ 30,393
Total Cost Estimate	\$ 40,393



### **Yates Drive At Eastin Road**

Replace 212' of 18" CMP with 18" RCP between Catch Basins and then down ROW.				EST	IMATE
ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	ТО	OTAL COST
18" RCP	LF	212.00	\$ 106.01	\$	22,474.12
SES	EA	1.00	\$ 1,387.39	\$	1,387.39
Pipe Delivery	LS	1.00	\$ 500.00	\$	500.00
GAB	TN	30.00	\$ 33.42	\$	1,002.60
#57 Stone	TN	24.00	\$ 42.09	\$	1,010.16
9.5mm Ty 2 Asphalt	TN	6.00	\$ 525.00	\$	3,150.00
Tack	GAL	3.00	\$ 6.00	\$	18.00
Temporary Flaggers	HR	16.00	\$ 20.00	\$	320.00
Grassing	LS	1.00	\$ 530.73	\$	530.73
Utility Relocation	LS	1.00	\$ 5,000.00	\$	5,000.00
Right of Way	LS	1.00	\$ 5,000.00	\$	5,000.00
		ESTIMA	TED COST	\$	40,393.00

**Notes:** 

### **2023 STORMWATER SPLOST**

### **Category II, Tier III**

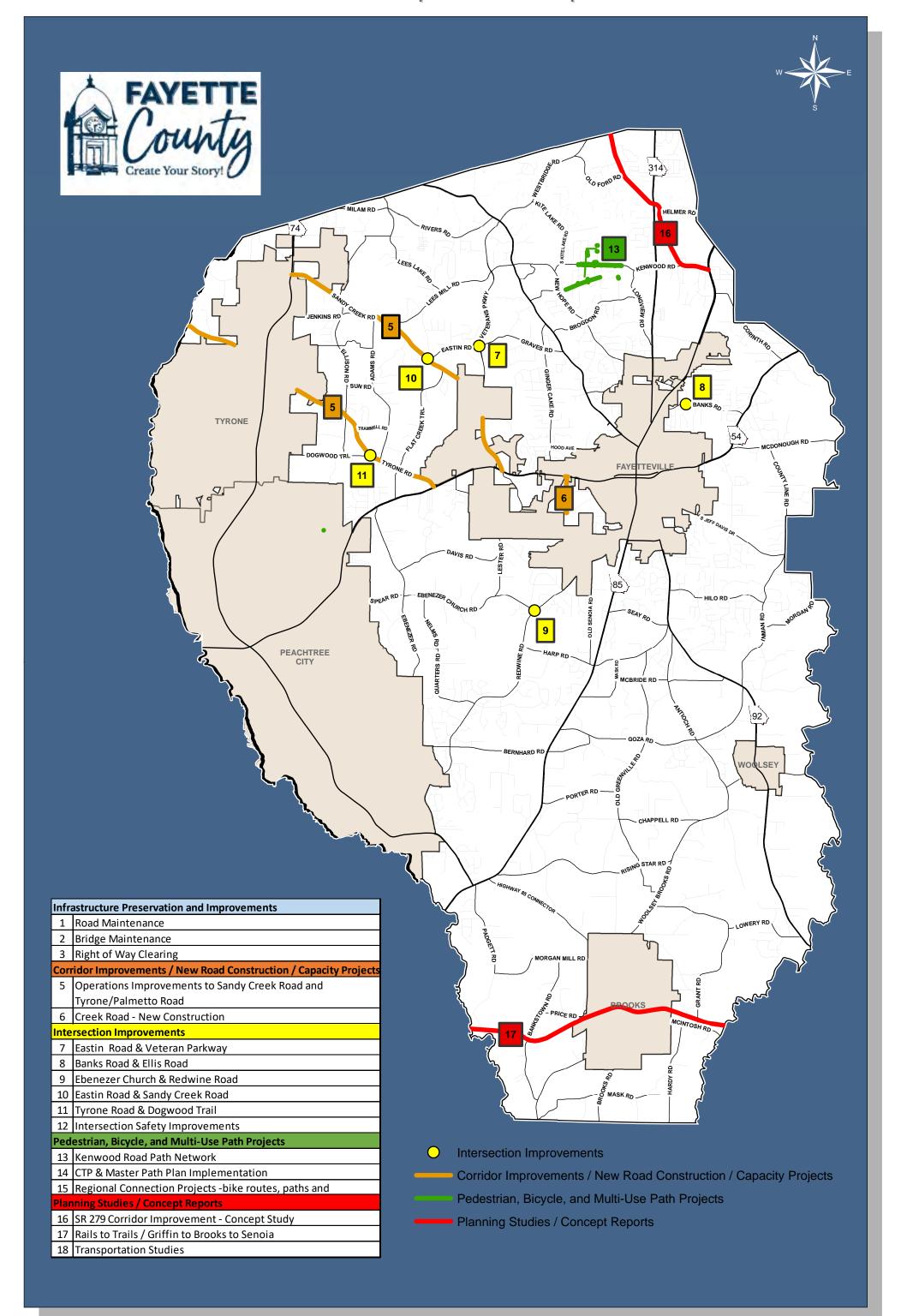
Project Name / Location	Projec	t Cost Estimate
ADAMS ROAD (#214)	\$	17,020.00
BANKSTOWN ROAD (#353)	\$	24,468.62
BENJAMIN CIRCLE (#375)	\$	37,812.00
BENZ CT (#120)	\$	45,902.00
BON AMI CT (#120)	\$	20,652.00
BRANDON MILL CIRCLE (#105)	\$	37,110.00
BRASWELL LANE (#100)	\$	10,788.00
BRIARLAKE CT (#130)	\$	35,342.00
BUTLER ROAD (#109)	\$	16,144.00
CATHERINE LANE (#110)	\$	43,180.00
CHEROKEE PLACE (#105)	\$	16,144.00
COUNTRY LANE ROAD (#260)	\$	18,294.00
DAVIS ROAD (#107)	\$	15,036.00
DAVIS ROAD (#265 - 2,000FT WEST OF)	\$	14,592.00
DAVIS ROAD (#504)	\$	21,016.00
DERBY DRIVE (#225)	\$	19,510.00
DIXON CIRCLE (#154)	\$	15,706.00
EBENEZER CHURCH ROAD (#560)	\$	16,132.00
ELLISON ROAD (#228)	\$	15,706.00
ELLISON ROAD (#332)	\$	16,582.00
ELLISON ROAD (#378)	\$	14,856.00
ESSEX CIRCLE (#135)	\$	15,206.00
FAIRFIELD CIRCLE (#155)	\$	35,480.00
FLAT CREEK CT (#100)	\$	15,706.00
FLAT CREEK CT (#155)	\$	18,000.00
FLAT CREEK TRAIL (#301)	\$	18,000.00
FLAT CREEK TRAIL (#626)	\$	15,478.00
FLAT CREEK TRL (#382)	\$	19,670.54
FRANKLIN FARMS CIRCLE (#305)	\$	37,812.00

Project Name / Location	Project Cos	t Estimate
GENTLE DOE DRIVE (#105)	\$	34,482.00
GINGER CAKE ROAD (#216)	\$	15,150.00
GINGER CAKE ROAD (#347)	\$	15,478.00
GREEN VALLEY (#285)	\$	15,706.00
GREENFIELD CIRCLE (#105)	\$	17,492.00
HARRIS ROAD (#350)	\$	15,188.00
HAWTHORNE DR (#100)	\$	25,583.49
HERITAGE WAY (#115)	\$	41,252.00
HIGHLAND HILLS ROAD (#159)	\$	17,506.00
HIGHLAND HILLS ROAD (#210)	\$	16,966.00
HIGHWAY 85 CONNECTOR (#1373)	\$	15,150.00
HIGHWAY 85 CONNECTOR (#1415)	\$	15,478.00
HIGHWAY 85 CONNECTOR (#166)	\$	17,178.00
HIGHWAY 85 CONNECTOR (#246)	\$	17,178.00
HIGHWAY 85 CONNECTOR (#336)	\$	15,150.00
HIGHWAY 85 CONNECTOR (#348)	\$	18,294.00
HIGHWAY 85 CONNECTOR (#423)	\$	17,262.00
HIGHWAY 85 CONNECTOR (#588)	\$	15,706.00
HILO ROAD (#382)	\$	16,582.00
HOOD ROAD (#1116)	\$	15,266.00
HOOD ROAD (#879)	\$	16,184.00
HORSESHOE CIRCLE (#115)	\$	18,118.00
IDLEWOOD LANE (#130)	\$	19,134.00
KARI GLEN DRIVE (#120)	\$	17,398.00
KEN CIRCLE (#105	\$	14,726.00
KEYLAND DRIVE (#115)	\$	38,102.00
KINGSWOOD WAY (#105)	\$	31,616.00
KIRKLY ROAD (#215)	\$	15,150.00
LADY HELEN CT (#130)	\$	22,788.00
LAMBERTH LAKE DRIVE (#125)	\$	37,978.00
LANG DRIVE (#210)	\$	19,884.00
LESTER ROAD (#431)	\$	15,150.00

Project Name / Location	Project Cos	t Estimate
LITTLE CREEK DRIVE (#150)	\$	38,826.00
LOCKWOOD ROAD (#150)	\$	15,706.00
LOFTY EAGLE LANE (#160)	\$	35,450.00
LONGVIEW ROAD (#185)	\$	17,178.00
LOWERY ROAD (#114)	\$	22,166.00
MCBRIDE @ OLD GREENVILLE (CAPACITY)	\$	20,675.70
MCBRIDGE @ JERICHO	\$	22,586.98
MELODY LANE (#110)	\$	21,292.00
MERRYDALE DRIVE (#285)	\$	19,262.00
MITCHELL ROAD (#133)	\$	15,150.00
MOCKING BIRD (#110)	\$	24,272.80
MORGAN MILL ROAD (#395)	\$	16,708.00
NEW HOPE ROAD (#762)	\$	16,558.00
NEW HOPE ROAD (#988)	\$	11,834.00
NORTH BEND CT (#175)	\$	45,636.00
NORTH DRIVE (#245)	\$	42,682.00
NORTHWIND TRAIL (#100)	\$	37,984.00
OLDE OAK DRIVE (#105)	\$	16,838.00
OLDE OAK DRIVE (#175)	\$	16,352.00
OMIN ROAD (#245)	\$	16,184.00
PINEWOOD DRIVE (#125)	\$	16,144.00
PLANTATION ROAD (#285)	\$	15,150.00
POSTWOOD DRIVE (#100)	\$	20,260.00
REDBUD CT (#100)	\$	13,856.00
REDWINE ROAD (#980)	\$	15,468.00
RENNES CT (#210)	\$	38,272.00
RILEY CT (#135)	\$	15,206.00
RUSTIC MILL LANE (#130)	\$	22,508.00
RUSTIC MILL LANE (#150)	\$	27,942.00
SAMS DRIVE (AND LEES MILL ROAD) (#302)	\$	17,492.00
SHAMROCK DRIVE (#180)	\$	19,652.00
SOUTH WOOD CT (#145)	\$	42,048.00

Project Name / Location	Proj	ect Cost Estimate
STANLEY ROAD (#128)	\$	25,076.00
STARRS MILL DRIVE (#190)	\$	16,144.00
STONERIDGE WAY (#385)	\$	18,326.00
SUMMERVILLE DRIVE (#105)	\$	17,534.00
SWANSON ROAD (#233)	\$	12,096.00
TANDY TERRACE (#125)	\$	35,468.00
THOMPSON ROAD (#112)	\$	15,266.00
THORNTON CT (#130)	\$	40,418.00
THORNTON DRIVE (#240)	\$	36,004.00
THORNTON LANE (#165)	\$	15,150.00
TRAMMELL ROAD (EAST OF) (#166)	\$	15,266.00
TRICKUM CREEK ROAD (#128)	\$	15,846.00
WAGON WHEEL TRAIL (200FT WEST OF SALMA DRIVE)	\$	27,374.00
WEEPING WILLOW WAY (#330)	\$	41,428.00
WESLEY PLACE (#140)	\$	16,184.00
WESTBRIDGE CIRCLE (#155)	\$	15,150.00
WHITE OAK WAY (#320)	\$	12,980.00
WHITNEY WAY (#240)	\$	15,284.00
WILKINS ROAD (#136)	\$	15,150.00
WILLS WAY (#160)	\$	39,106.00
WISTERIA CT (#120)	\$	37,668.00
YATES DRIVE (#140)	\$	39,264.00
Category I Total Cost Estimate	\$	2,551,142.13

### SPLOST 2023 Transportation Improvements



	Top Transportation Recommendations for 2023 SPLOST				
Infra	structure Preservation and Improvements	\$5,700,000			
1	Road Maintenance	\$4,500,000			
2	Bridge Maintenance	\$900,000			
3	Right of Way Clearing	\$300,000			
Corr	idor Improvements / New Road Construction / Capacity Projects	\$4,000,000			
5	Operations Improvements to Sandy Creek Road and Tyrone/Palmetto Road	\$2,500,000			
6	Creek Road - New Construction	\$1,500,000			
Inte	rsection Improvements	\$11,400,000			
7	Eastin Road & Veteran Parkway	\$1,500,000			
8	Banks Road & Ellis Road	\$2,000,000			
9	Ebenezer Church & Redwine Road	\$1,200,000			
10	Eastin Road & Sandy Creek Road	\$1,300,000			
11	Tyrone Road & Dogwood Trail	\$1,800,000			
12	Intersection Safety Improvements	\$3,600,000			
Ped	estrian, Bicycle, and Multi-Use Path Projects	\$4,400,000			
13	Kenwood Road Path Network	\$750,000			
14	CTP & Master Path Plan Implementation	\$2,300,000			
15	Regional Connection Projects -bike routes, paths and sidewalks	\$1,350,000			
Plan	ning Studies / Concept Reports	\$1,000,000			
16	SR 279 Corridor Improvement - Concept Study	\$250,000			
17	Rails to Trails / Griffin to Brooks to Senoia	\$250,000			
18	Transportation Studies	\$500,000			

Total Recommended SPLOST Funding \$26,500,000





## 2023 SPLOST Transportation Infrastructure Preservation and Improvements

This category of projects provides additional resources, beyond what can be funded through annual operations and maintenance, to preserve and improve Fayette County's transportation infrastructure. Money will be spent in one of three areas.

**Roads** – Fayette County owns and maintains over 500 miles of roads. Money from this category (approximately \$4,500,000 over six years) will supplement annual maintenance operations, including patching, milling, crack sealing, resurfacing, etc. This additional funding helps Fayette County pro-actively maintain the roads and avoid costly rehabilitations after the asphalt and/or base have failed. When possible, the SPLOST money will be used as local match for state and federal grants - typically at a rate of \$4 received for every \$1 of local money spent.

Bridges – Fayette County's 42 bridges are periodically inspected by the Georgia Department of Transportation, but Fayette is responsible for recommended repairs or maintenance activities. Failure to do so may result in posting weight limit restrictions and/or degradation of the structure. Like road maintenance money, these funds may be used as a local match for state or federal grant money.

**Right-of-Way Clearing** – This funding will be used to remove trees and brush from the right-of-way of select County arterials and collectors. Doing so removes potential hazards from the shoulder and clear zone, improves lines-of-sight, facilitates drainage (by allowing ditch work), and opens the road to more sunlight which helps keep it dry.

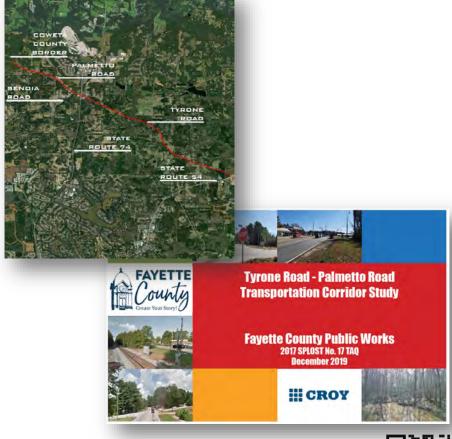


# Project Cost Estimate: Operations Improvements to Sandy Creek Road and Tyrone/Palmetto Road. \$2,500,000

## **2023 SPLOST Transportation**

## Corridor Improvements, New Road Construction and Capacity Projects

As part of the 2017 SPLOST program, Fayette County completed Corridor Studies along Tyrone Road and Sandy Creek Road. Funding from this project category will implement select recommendations from the studies. Project may include intersection improvements, addition of auxiliary turn lanes, horizontal and vertical curve improvements, build-out of shoulders and clear zones, addition of guard rail, etc. Safety and operational improvements are needed along both roads to address existing and future development in the central part of the County.







### **Project Cost Estimates:**

Creek Road Construction \$1,500,000

### **2023 SPLOST Transportation**

## Corridor Improvements, New Road Construction and Capacity Projects

This is a joint project with the City of Fayetteville that would construct o.8 miles of new road between SR 54 and First Manassas Mile. The project addresses safety and congestion concerns by reducing truck traffic on Grady Avenue, Bradford Square, and around the Spring Hill Elementary School. This line item funds one-half the estimated project cost of \$3,000,000, with expectation that the balance is funded by Fayetteville. Heavy traffic generators on First Manassas Mile include several transfer stations for solid waste, the City of Fayetteville's Wastewater Treatment Plant, grinding and compost facilities for yard waste, several businesses, and Fayette County's inert landfill. Most of the new road would be built on existing Fayette County property.









## Project Cost Estimate: Eastin Road and Veterans Parkway \$1,500,000





# 2023 SPLOST Transportation Intersection Improvements

This project is for the design and construction of a roundabout on Veterans Parkway. The roundabout will address existing concerns of traffic speed, safety, and noise at the intersection as volumes have increased over the past few years. The project would have minimum right-of-way impacts and is consistent with other intersection controls on Veterans Parkway.









Project Cost Estimate:
Banks Road & Ellis
Road
\$2,000,000





# 2023 SPLOST Transportation Intersection Improvements

This project is for the design and construction of a roundabout on Banks Road. The project is a recommendation of the 2019 Banks Road Corridor Study, and its purpose is to address safety, speed, and congestion issues at the Ellis Road intersection. The project provides a long-term solution for the growing traffic volumes on Banks Road, which currently exceed 11,650 vehicles per day between Ellis Road and SR 54 and has an afternoon level of service "F" (failing).









Project Cost Estimate: Ebenezer Church Road & Redwine Road \$1,200,000

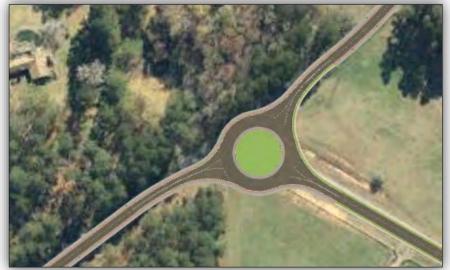




## 2023 SPLOST Transportation Intersection Improvements

This project is for the design and construction of a roundabout at the T intersection of Ebenezer Church Road and Redwine Road. Currently traffic queues excessively as drivers turn from Ebenezer Church onto Redwine Road. Increasing traffic volumes (estimated at 5,260 vehicles per day in 2019) and high speeds make the problem worse each year. A roundabout would reduce the number of severe crashes and reduce the back-up on Ebenezer Church Road.







## **Project Cost Estimate: Eastin Road** and **Sandy Creek Road** \$1,300,000



# 2023 SPLOST Transportation Intersection Improvements

This project is for the design and construction of a roundabout to consolidate two existing, offset intersections. The project would provide traffic calming and address safety concerns. Funding compliments existing SPLOST project I-2. A roundabout is a recommendation from the 2019 Sandy Creek Road Corridor Study. Traffic volume on Sandy Creek exceed 5,325 vehicles per day (with over 5% truck traffic) and is growing steadily due to development around Trilith Studios and the Hospital.







#### **Project Cost Estimate:**

Tyrone Road and Dogwood Trail \$1,800,000





# 2023 SPLOST Transportation Intersection Improvements

This project is for the design and construction of roundabout or realigned intersection to correct geometry and associated safety concerns. This is a recommended project from the 2019 Tyrone Road Corridor Study due to traffic volumes (more than 11,500 vehicles per day south of Dogwood) and the number of crashes relative to other intersections along the road. In addition, Tyrone Road and Dogwood Trail have substantial truck traffic (>6% in segments) that is expected to continue.









Project Cost Estimate:
Other Intersection
Improvements
\$3,600,000





# 2023 SPLOST Transportation Intersection Improvements

This project category is to set aside funding to address intersection safety improvements that may arise during the duration of the SPLOST due to new development and/or traffic patterns. Project may include traffic signals, roundabouts, addition of turn lanes, geometry improvements, etc.









**Project Cost Estimates:** 

CTP & Master Path Plan \$2,300,000

Regional Connection

Projects
\$1,350,000

Kenwood Road Path
Network
\$750,000



## **2023 SPLOST Transportation**

### Pedestrian, Bicycle, & Multi-Use Path Projects

This funding category implements pedestrian, bike, and path project recommendations of Fayette County's Comprehensive Transportation Plan (CTP), Master Path Plan, and various Corridor Studies. The focus is on projects that provide access to destination areas (e.g., a park or school), improve safety, connect existing path/bike segments, or are part of a larger regional initiative.

Where possible, the SPLOST money will be used as local match for grants and other funding sources.

The Kenwood Road Path Project will create a network of paths and/or sidewalks to connect existing neighborhoods along Kenwood Road with the North Fayette Elementary School. Other projects will be identified from existing planning studies, public input, and feasibility studies.







#### **Planning Studies / Concept Reports**

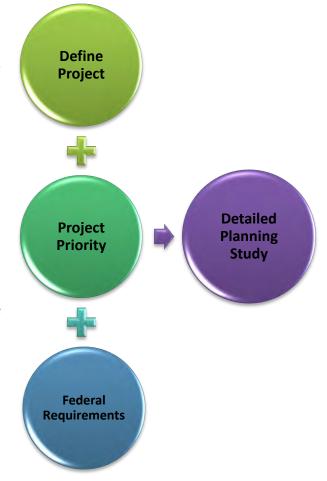
Up to 3.8% of the 2023 SPLOST transportation dollars are allocated for Studies. The studies have three primary purposes:

- 1. Define a project's need, purpose, scope, and highlevel cost estimate;
- 2. Assist with project prioritization; and
- 3. Satisfy federal requirements.

On large corridor projects, considerable data collection and engineering analysis is required to make accurate project recommendations. A Planning Study will collect the minimum data to allow for these analyses and provide results and recommendations for the Board of Commissioners to prioritize and advance the highest-rated projects. Having this information is prudent for local officials making decisions on projects with cost estimates in the tens-of-millions range and is required by state and regional planning agencies if the project is to be competitive in seeking Federal-aid.

Transportation studies typically complete common tasks to address the three goals noted above, including:





- Identify need and purpose;
- Define the project scope;
- Consider alternatives;
- Perform cursory environmental screening;
- Assess impacts to utilities and railroads;
- Assess impacts to private properties;
- Gauge public support and opposition;
- Identify applicable design criteria;
- Develop a schedule; and
- Determine preliminary budget and funding options.



The SR 279 Concept Report sets aside funding to start the design phase of improvements recommended in the 2019 Corridor Study. Advancing the project depends upon approval from GDOT and a commitment by them, and the Atlanta Regional Commission, to put the project in their Transportation Improvement Programs. The intent is to advance the project for implementation by GDOT. If not approved by GDOT, the money will be reallocated to other 2023 Transportation SPLOST projects.

The Rails to Trails / Griffin to Brook to Senoia project provides seed money to study multi-jurisdictional trails along railroad lines or roads to connect areas of Spalding, Coweta, and Fayette Counties. The trail would be recreational in focus and seek grants for design and construction.

The "Transportation Studies" project category sets aside funds to advance studies or design, as needed, to support grant requests for state, federal, or other funding sources. For example, this category may allow Fayette County to develop one or more "shovel ready" projects to take advantage of recently approved Federal Transportation Programs.

The process for being awarded Federal-aid is competitive due to the large number of project applications, uncertainties associated with federal funds and availability, and the pre-defined criteria/performance measures a project must meet to be ranked high. Hence the need for a Planning Study to properly "vet" Fayette County projects prior to submission for consideration against the other projects in the Atlanta Metropolitan region.

The information is also integral to the design process so much of the work completed in the planning stage is used in full design. Also, having a planning study allows Consultants and Engineers to provide more focused and cost-effective proposals for design services.

