

On Call Stormwater Project Work Order

Project Name: Forest Hill Road-1

Work Order Number: MS-202408-008

Contractor: Site Engineering

Date: 11/22/2024

Project Scope of Work

The Scope of work for this project consist of removal and replacement of (1) 48" and (2) 24" stormwater pipe culverts beneath Forest Hill Road via Open-Cut. The 48" pipe will be replaced in like size in location with a Reinforced Concrete Pipe (RCP) and the (2) 24" pipes will be replaced in like location with a 44" x 27" arched RCP. The construction of this work order will include all work listed below and in the attached contractor provided pricing sheet.

Removal of Corroded Pipe:

Remove 346 LF of corroded stormwater pipe.

Remove 1 stormwater structure and catch basin.

Installation of New Pipes:

Install 112 LF of 48" RCP.

Install 122 LF of 44" x 27" arch RCP.

Install 4 new precast headwalls at inlet and outlet of new stormwater pipes.

Install 1 new stormwater structure and catch basin top and throat.

Misc. Inclusions:

Bypass pumping, Payment & performance bond, traffic control, clearing & grubbing, haul on/off material, bedding stone, concrete trench caps, stone rip rap, silt fence, seed & straw (permanent grassing), sidewalk replacement, curb replacement, tree removal, hold power pole, mill & resurface, and replacement road striping. **(See attached contractor pricing sheet for included quantities and exclusions).**

Pavement Restoration:

- After the installation of the storm drain system, including concrete cap, restore the pavement by installing a new asphalt surface course to match the existing grade and smoothness.
- Install new curb and gutter along the project limits, ensuring proper drainage to the newly installed catch basins.
- Perform necessary quality control tests to verify pavement compaction and adherence to GDOT standards.

Erosion and Sediment Control:

- Implement and maintain all BMPs (Best Management Practices) as specified in the project's Erosion and Sediment Control Plan.
- Monitor and clean out accumulated sediment from installed BMPs regularly during construction activities.
- Upon project completion, remove temporary BMPs and ensure all disturbed areas are stabilized with permanent vegetation.

Traffic Management:

- Provide advance notice to the public and local authorities about any necessary road closures.
- Set up and maintain appropriate signage and detour routes according to GDOT standards.
- Ensure the safety of both workers and the public by deploying qualified traffic flaggers as needed.

Line Item Unit Pricing [All Sections Below Will Be Completed By Contractor]

Project Name:	Forest Hill-1			
Item/Description of Work	Quantity	Unit	Unit Cost	Cost
SEE CONTRACTOR PROVIDED PRICING SHEET				

			Total	\$330,181.43

Project Administrative Costs

- Road Closure Permit Fees: \$The City will waive the street closure permit fees.
- Other Administrative Costs: \$[\$0.00]
(The administrative costs above are associated with the engineering of the stormwater bypass pump.)

Total Project Cost

- Total Scope of Work Cost: \$[330,181.43]

Change Order Request Process

- Contractors must submit a written request for any change orders to the City Project Manager.
- The City will provide all change orders to the contractor in writing before any additional work is performed.
- No change order work may be executed without prior written approval from the City Project Manager.

Pre-Construction Meeting Process

- A pre-construction meeting will be scheduled before the commencement of the project.
- During this meeting, the scope of work can be reviewed and modified if necessary.
- The City Project Manager, contractor, and relevant stakeholders will attend this meeting.

Project Work Timeline

- Contractors must submit a proposed project work timeline with their proposal.
- The timeline should specify the shortest possible completion time under ideal conditions and the longest possible completion time considering unforeseen events.
- Proposed Shortest Completion Time: [30 days]
- Proposed Longest Completion Time: [60 days]

All Pavement Work

- **Site Preparation:** Clear the work area of any debris and obstacles. Ensure the site is secure and safe for work.
- **Milling and Excavation:** Mill the existing pavement to the required depth and dispose of the material properly. Excavate as needed to prepare the subgrade.
- **Subgrade Preparation:** Compact and grade the subgrade to ensure proper drainage and support for the new pavement.
- **Base Layer Installation:** Install and compact the base layer materials, such as aggregate base course, to the specified thickness and density.
- **Asphalt Paving:** Lay and compact the asphalt pavement in multiple layers, ensuring each layer meets the specified thickness, density, and smoothness requirements.
- **Quality Control:** Perform quality control tests, including compaction tests and smoothness measurements, to verify compliance with specifications.

Traffic Management and Road Closures

- **Advance Notice:** Provide at least 14 days' notice to GDOT, local authorities, residents, and businesses before any road closures.
- **Signage and Detours:** Install appropriate signage and establish detour routes in accordance with GDOT standards. Signs must be in place at least 7 days before road closure.
- **Communication:** Coordinate with local media and use social media to inform the public of road closures and detour routes.
- **Safety Measures:** Implement necessary safety measures, including barriers, cones, and flaggers, to ensure the safety of workers and the public.
- **Qualified traffic flaggers** must be on-site if necessary to manage traffic and ensure safety.

Communication Procedures

- All communications between the contractor and the City Project Manager should be conducted via email.
- In case of an emergency that presents harm or damage to city residents, city staff, contractor workers, or property/assets, immediate communication should be made via phone call to the City Project Manager.
- City Project Manager: **Yanni Spanoudakis, PE**
- City Project Manager Email: **yspanoudakis@cityofpowdersprings.com**
- City Project Manager Phone: **770-943-1666, Ext. 344**

Final Payment:

- Prior to final payment the Owner shall perform a final inspection and issue a letter or statement of final acceptance.
 - If incomplete or unsatisfactory work is identified during the Owner's final inspection than a final punch list will be issued, and the work completed by the contractor prior to final acceptance.
 - Upon issuance of final acceptance, the contractor shall submit the final invoice within 30 days.
 - Final invoice must include all detailed line items, final quantities, approved change orders, and quality checks.
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Approvals:

The City of Powder Springs

OWNER

Al Thurman

SIGNATURE

Al Thurman

NAME

Mayor

TITLE

12/9/24

DATE

ATTEST:

Kelly Axt

SIGNATURE

Kelly Axt

NAME

City Clerk

TITLE

12/9/24

DATE

Site Engineering Inc

CONTRACTOR

Paxton Billingsley

SIGNATURE

Paxton Billingsley

NAME

President

TITLE

11/26/2024

DATE



ATTEST:

Diane Belisario

SIGNATURE

Diane Belisario

NAME

Corp. Secretary

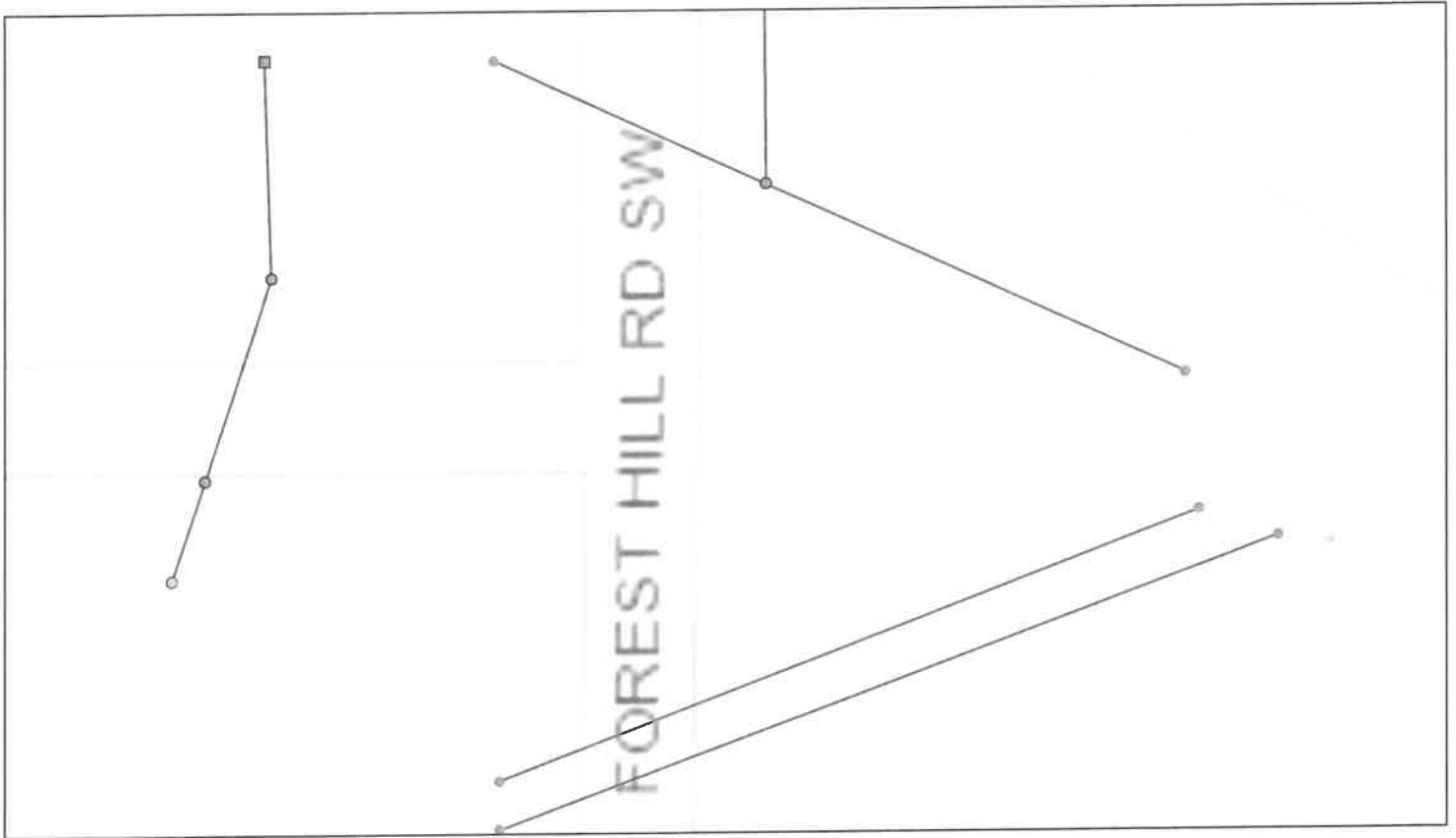
TITLE

11/26/2024

DATE

3380 Forest Hill Road - Critical Infrastructure





7/9/2024, 10:07:29 AM

Catch Basins Other Inlets Stormwater Pipes
● Complete ○ Complete — Complete



MS4 Outfalls Culverts
CompleteComplete



7025 Best Friend Rd. • Doraville, GA 30540 • 770-265-7234 • www.siteengineeringinc.com

REV-4 11/19/2024

Project Name: 3380 Forest Hill Road

Item	Quantity	Unit	Unit Cost	Cost
Pipe Replacement Item				
Mobilization	1	Each	10,000.00	10,000.00
100% Payment and Performance Bonds	1	LS	4,937.43	4,937.43
Traffic Control: Install Full Street Closure Detour Route	1	LS	31,500.00	31,500.00
Clearing & Grubbing	0.15	Acre	20,000.00	3,000.00
Haul On/Off Material	160	Cubic Yard	60.00	9,600.00
Pipe Removal	346	Linear Foot	50.00	17,300.00
Bedding Stone	76	Cubic Yard	60.00	4,560.00
Pipe Installation				
44" x 27" Arch Pipe	122	Linear Foot	315.00	38,430.00
48" RCP	112	Linear Foot	372.00	41,664.00
Finish Grading	1170	Square Yard	15.00	17,550.00
Saw Cut Asphalt	180	Linear Foot	10.00	1,800.00
High Early Strength (5000 psi)	12	CY	1,000.00	12,000.00
Manhole Installation				
Structure Removal (each)	1	Each	3,000.00	3,000.00
Brick Box built in place	8	Vertical Foot	2,500.00	20,000.00

Headwall Installation				
Precast Headwall for Arch	2	Each	5,200.00	10,400.00
Precast Headwall for 48" Pipe	2	Each	5,200.00	10,400.00
Cast-in-Place Top Only w/R&C	1	Each	7,000.00	7,000.00
Cast-in-Place Throat Only	1	Each	5,000.00	5,000.00
Erosion Control & Landscaping				
Stone Rip Rap Type III In Place	135	TON	90.00	12,150.00
Install & Remove Type A Silt Fence	600	LF	5.00	3,000.00
Rock Bags for curb inlet/CB sediment Protection	4	EA	20.00	80.00
Install & Remove Orange Tree Save Fence	0	LF	4.00	0.00
Seed & Straw (Permanent Grassing)	1650	SY	4.00	6,600.00
Sodding Complete - Bermuda	0	SY	30.00	0.00
Cast In Place Concrete				
Regular Duty Sidewalk (4" Thick, 3000 psi) <5'10' length	20	SY	140.00	2,800.00
Curb	60	LF	70.00	4,200.00
Additional Items				
Tree Surgeon	3	ea	2,500.00	7,500.00
Hold PP	1	ea	5,000.00	5,000.00
Mill & Resurface 1.5" topping	270	SY	135.00	36,450.00
Solid Yellow Centerline Striping	220	lf	8.00	1,760.00
Stop Bar	2	EA	1,250.00	2,500.00

330,181.43

Exclusions:

Engineering, support and relocation of existing utilities, utility conflicts, permits and fees, rock excavation, hazardous materials, overnight / weekend bypass, storm event bypass