

MINUTES

City Council Public Works & Utilities Committee

Wednesday, August 12, 2020 – 5:00 PM
City Council Chambers

Members Present: Maurice Jones, Chair, Council Member
Geraldine Dinkins, Vice-Chair, Council Member
Jim Fatland, City Manager
Emory Owen, WWTP Director
Dennis Richardson, WTP Director
David Lutz, Public Works Director

Staff Present: Denise Hodsdon, Executive Assistant

Guests: Jeffrey Brown, Brown Consultants

A. Welcome and Call to Order

Committee Chair Maurice Jones called the meeting to order at 5:04 pm.

B. Certification of Quorum

Executive Assistant Denise Hodsdon certified that a quorum was present.

C. Approval of Minutes from February 13, 2020 Meeting

Motion by Ms. Dinkins, seconded by Mr. Owen to approve the minutes of the February 13, 2020 meeting as presented. Motion carried unanimously.

D. NC DEQ/DWI Letter of Intent to Fund Finish Water Storage Tank

Mr. Fatland explained that City Council approved a resolution in April to apply for a grant and loan assistance to replace the Burrell Mountain reservoir one million gallon water storage tank. Brown Consultants prepared the application on behalf of the City and we received notification from NC DEQ/DWI on August 3rd that our application was approved for funding. The total project cost is \$2,858,050 with 75% in the form of a grant and 25% as a zero-interest loan for 20 years. The estimated annual payment on the loan would be \$35,725, with the first payment occurring in FY23-24.

Jeffrey Brown of Brown Consultants presented a proposal for professional engineering services consisting of the following four phases:

Phase I	State Revolving Loan Fund/DWI Application	\$ 5,000
Phase II	Engineering and Environmental Reports	\$ 28,000
Phase III	Design Engineering (Design/Surveying/Permitting)	\$273,200
Phase IV	Construction/Contract Administration	<u>\$241,850</u>
	Total Engineering Services	\$548,050

E. NC DEQ/DWI Letter of Intent to Fund King Street Waterline Replacement

Mr. Fatland explained that City Council also approved a resolution in April to apply for a grant and loan assistance for King Street water line replacement. Brown Consultants also prepared that application and we received approval from NC DEQ/DWI on August 3rd. The total project cost is \$1,086,918 and the City received a grant for 75% of the cost and a 20-year zero-interest loan for the remaining 25%. The estimated annual payment on the loan would be \$13,586, with the first loan payment occurring in FY23-24.

Jeffrey Brown of Brown Consultants presented a proposal for professional engineering services consisting of the following four phases:

Phase I	State Revolving Loan Fund/DWI Application	\$ 10,000
Phase II	Engineering and Environmental Reports	\$ 31,800
Phase III	Design Engineering (Design/Surveying/Permitting)	\$156,400
Phase IV	Construction/Contract Administration	<u>\$121,400</u>
	Total Engineering Services	\$319,600

Mr. Fatland explained that for both projects, the City would pay the costs of Phases I through III and once construction starts, DWI will reimburse the City for the full costs of those phases. Payment on each loan will begin one year after completion of the respective project.

Following discussion, motion by Mr. Fatland, seconded by Mr. Owen to recommend to City Council to approve engineering proposals submitted by Brown Consultants for the Finish Water Storage Tank, not to exceed \$548,050, and for the King Street Waterline Replacement, not to exceed \$319,600. The motion carried unanimously.

F. Gallimore Road Sewer Basin Rehabilitation Project Update

Mr. Lutz provided a memo from Alvin Fuller of Summit Engineering providing a project update and schedule for the Gallimore Road Sewer Basin Rehabilitation project. A copy of the memorandum is attached. Mr. Lutz noted that Mr. Fuller will attend the next meeting for further update.

G. Cathey's Creek Project Update

Mr. Richardson reported that the contractor has completed the creek work and we are using the intake in the new spot. He said there are some additional items that we would like to add to the project, such as rustic guardrail which is required by the US Forest Service, security and monitoring equipment, and expenses related to power reconnection. The City submitted a change order request to DWI, adding \$69,343.28 to the project cost for these additional items. With this change order, the total project cost will still be below the \$1,000,000 grant amount.

H. Set Date for Next Meeting

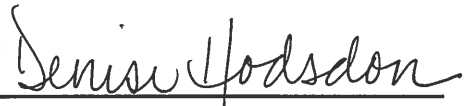
No date was set for the next meeting.

I. Adjourn

There being no further business, the meeting was adjourned at 6:05 pm.

X 
Maurice Jones
Chair, Council Member

Minutes Approved: October 13, 2020

X 
Denise Hodsdon
Executive Assistant



Summit Engineering Group, Inc.

9601 Warren H. Abernathy Hwy.

Spartanburg, SC 29301

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Fax: (864) 949-1110

MEMORANDUM

To: David Lutz, Public Works Director – City of Brevard
From: Alvin Fuller, Jr., PE, Vice President – Summit Engineering Group of NC, Inc.
Date: August 6, 2020
Subject: Gallimore Road Sewer Basin Rehabilitation – Project Update and Schedule

Project Description

The purpose of this project is to address sanitary sewer overflows associated with the Gallimore Road Sewer Pump Station with the removal of approximately 458 gpm (2-year, 24-hour storm). This project will rehabilitate and/or replace 10,500 linear feet (l.f.) of existing, dated gravity sewer lines located within the tributary area of said sewer pump station (9,980 lf Base Bid, 520 lf Alt. Bid). Construction activities consist of the following:

Base Bid	Alternate Bid
<ul style="list-style-type: none"> • 470 l.f. of 8-inch DIP via open cut • 510 l.f. of 12-inch PVC via open cut • 2,900 l.f. of 8-inch CIPP lining • 6,100 l.f. of 12-inch CIPP lining • 35 manhole rehabilitations • 8 new manhole installations • approximately 110 sewer service repairs • associated pavement repair 	<ul style="list-style-type: none"> • 220 l.f. 8” DIP via open cut (Grove St.) • 300 l.f. 8-inch CIPP lining (England St.) • 1 manhole rehabilitation • 1 new manhole • 6 sewer service repairs • associated pavement repair

Current Construction Cost Estimate: \$2,073,190.00 (Base Bid)*
 \$ 144,990.00 (Alt. Bid) – (Grove St. and England St.)
 (* Number of sewer services reconnections to be verified by City - Conservative assumption used in cost estimate)

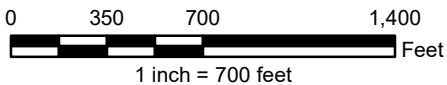
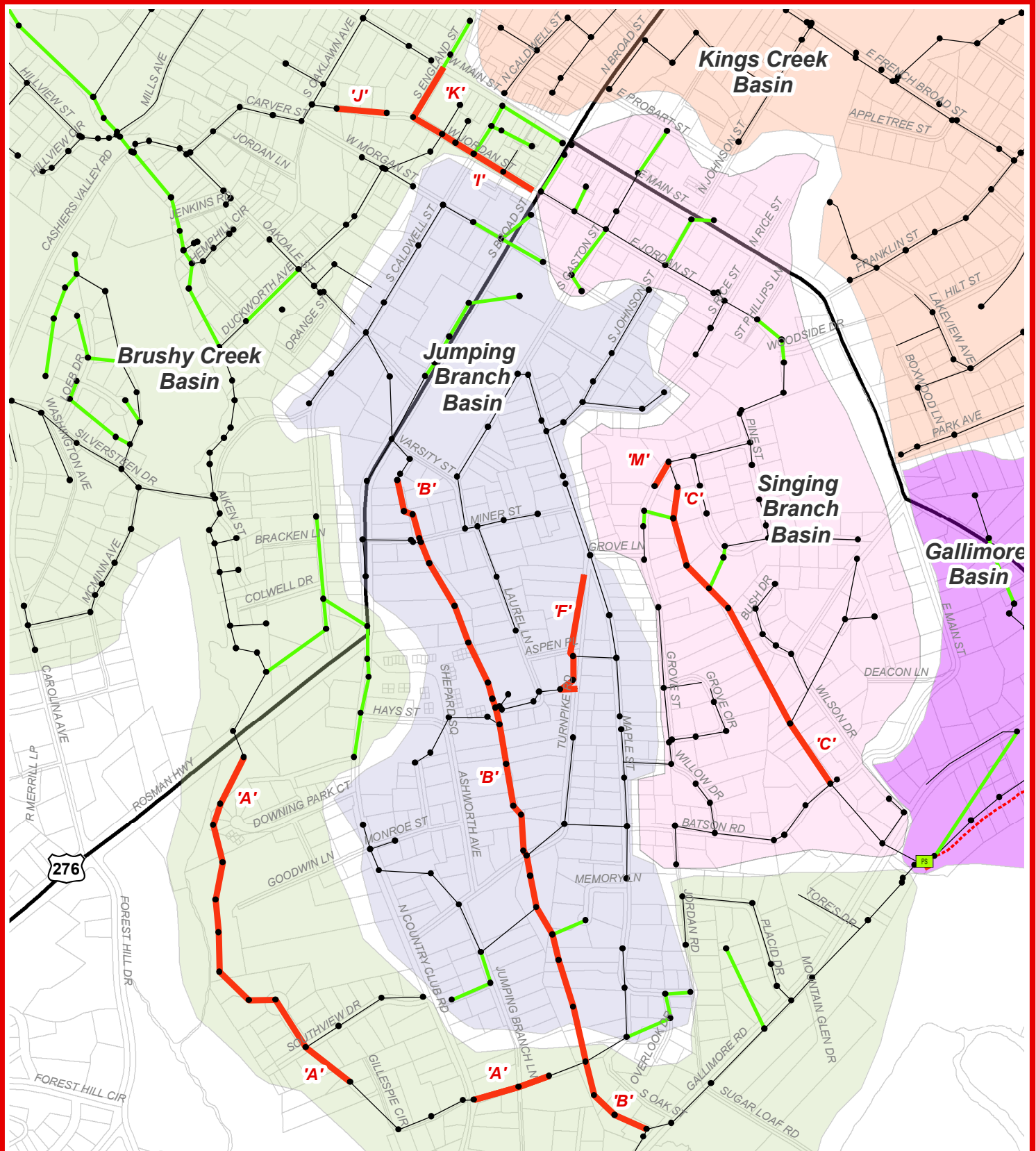
SRF Construction Budget: \$2,012,900.00 (including Contingency)

SRF Approved Project Schedule

Milestone	Approved Deadline	Current Status
Engineering Report Submittal	January 6, 2020	Completed January 6, 2020
Engineering Report Approval	June 1, 2020	Completed May 8, 2020
Bid and Design Package SRF Submittal	November 2, 2020	Design Plans are 90% complete
Bid and Design Package SRF Approval	March 1, 2021	On Schedule
Advertise Project, Receive Bids, Submit Bid Information, and Receive Authority to Award	July 1, 2021	On Schedule
Execute Construction Contract	August 2, 2021	On Schedule

Current Project Schedule:

Updated Project Schedule (Gallimore Rd Sewer Rehab) – 8/6/2020		
Work Task / Milestone	Current Status	Projected Completion Date
Design Services		<i>August 14, 2020</i>
Field Surveying	Complete - potential re-visit for clarification	April 30, 2020
Preparation of Base Maps	100% Complete	May 8, 2020
Design Plans	90% Complete	August 14, 2020
Preparation of Specs	90% Complete	August 14, 2020
Permitting Services (NCDEQ Sewer Permit, Erosion Control Permit, NCDOT)		<i>October 1, 2020</i>
Submit for Regulatory Approval	50% Complete	August 14, 2020
Receive Regulatory Approval	0% Complete	October 1, 2020
Permitting Services (NC DWR & USACE – Wetlands/Streams)		<i>October 15, 2020</i>
Forward 90% Design Plans to ATLAS (environmental firm)	100% Complete	August 6, 2020
Submit for Regulatory Approval	0% Complete	September 1, 2020
Submit for Regulatory Approval	0% Complete	October 15, 2020
NCDEQ - CWSRF Approval (Funding Agency Review and Approval)		<i>March 1, 2021</i>
Submit Bid Package to CWSRF	0% Complete	November 1, 2020
CWSRF Approval of Bid Package	0% Complete	March 1, 2021
Bidding Services		<i>July 1, 2021</i>
Advertise Project for Bids	0% Complete	March 11, 2021
Receive & Open Bids	0% Complete	April 15, 2021
Submit Bid Package to CWSRF to Approval	0% Complete	May 1, 2021
CWSRF Approval – Authorization to Award	0% Complete	June 1, 2021
Execute Construction Contract	0% Complete	July 1, 2021
Construction Phase		<i>January 17, 2022</i>
Pre-Construction Conference	0% Complete	July 15, 2021
Begin Construction	0% Complete	August 1, 2021
Substantial Completion	0% Complete	April 1, 2022
Final Inspection	0% Complete	May 1, 2022
Project Close-out		<i>June 1, 2022</i>
	0% Complete	



Legend

- Gravity Sewer To Be Replaced/Rehabbed
- Sewer Improvements
- Existing Manhole
- Existing Gravity Sewer Line
- - - Existing Force Main Sewer Line
- - - - - ETJ
- Existing Pump Station
- WWTP



CITY OF BREVARD

GALLIMORE ROAD SEWER BASIN REHABILITATION

PROJECT LOCATION MAP