

JOINT MUNICIPAL WATER AND SEWER COMMISSION

MINUTES

January 11, 2023

The Joint Municipal Water and Sewer Commission held its Wednesday, January 11, 2023, meeting at the Commission office at 5:30 PM.

MEMBERS IN ATTENDANCE

Steve MacDougall, Chairman - Town of Lexington
Joseph Hardee, Vice-Chairman - Gilbert-Summit Rural Water District
Bobby Keisler, County of Lexington
Viola McDaniel, Town of Swansea
Tem Miles, City of West Columbia
Bobby Porter, Town of South Congaree
Juston Ricard, Town of Springdale
Lancer Shull, Town of Batesburg-Leesville
Frank Shumpert, Town of Pelion

OTHERS IN ATTENDANCE

Jay Nicholson, General Manager	Gene House, Operations Manager
Stephanie Morton, Clerk to Commission	Guy Schmoltze, Engineering & Const.
Ashton Blocker, Finance	Barry Leaphart, Operations
Mayor Cindy Campbell, South Congaree	

The Chairman called the meeting to order.

The Chairman confirmed the media had been notified.

Chairman MacDougall addressed item three (3) regarding consideration of minutes from the 11/9/22 meeting. Mr. Joseph Hardee made the motion to accept the minutes as submitted. Mr. Tem Miles seconded the motion and it passed unanimously.

The Chairman addressed item four (4) General Manager's report. Mr. Jay Nicholson presented an informal report to the board. A full copy of the report is attached as an addendum to the minutes. During the Executive Report, Guy Schmoltze provided a detailed project update (also attached).

Chairman MacDougall addressed item five (5) regarding announcements. Mr. Nicholson announced that the Commission would be sponsoring a table at the 2023 Lexington County Night on Tuesday, January 17th. The WEASC Capital District will be held on Thursday, January 19th. The next Commission meeting will be held on February 8, 2023. Mr. Nicholson let everyone know that Mr. Gene House's wife was scheduled for surgery on January 18th.

As there was no other business, the Chairman adjourned the meeting. The meeting adjourned at 6:35pm.



PROGRESS THROUGH COOPERATION

Executive Report

January 2023

Legislative/Regulatory Update

State Gov't

House and Senate began the 1st Regular Session of the 125th General Assembly yesterday

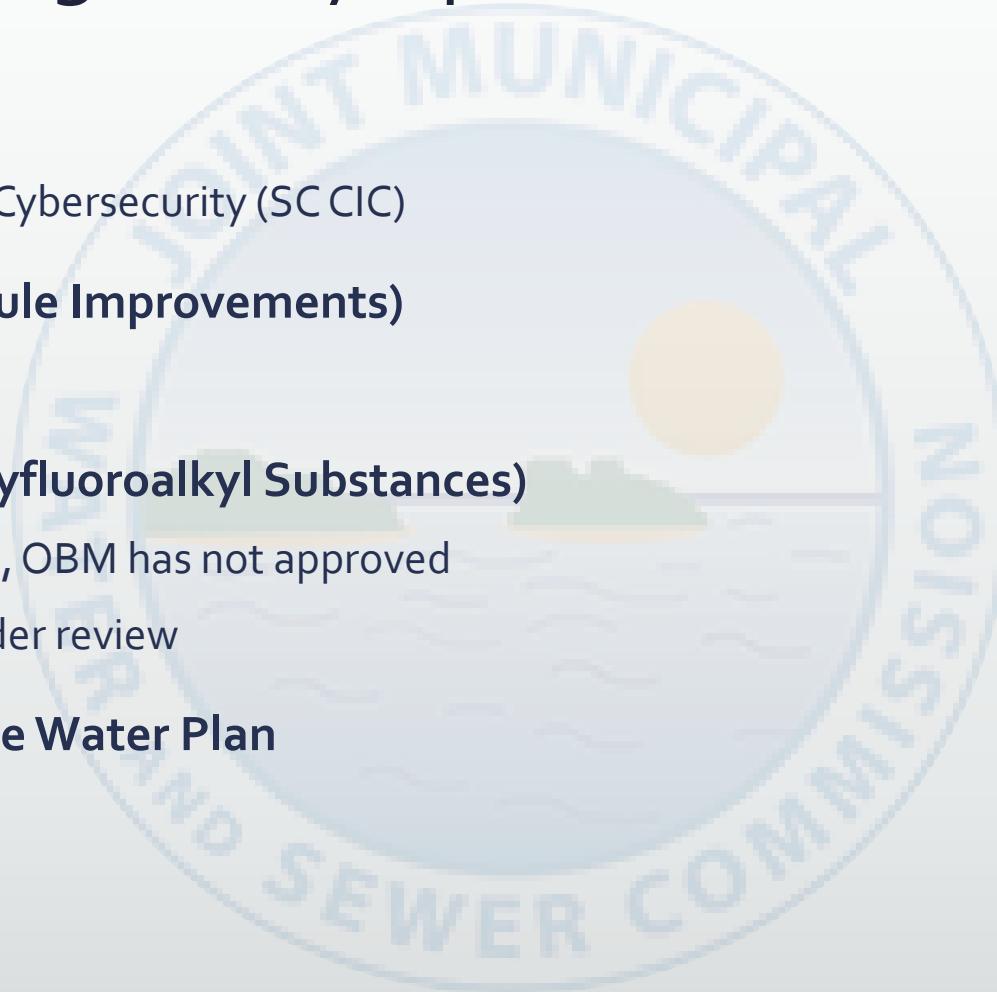
It is anticipated that the State will have approximately \$750M in recurring and \$2.75B in non-recurring dollars to allocate this year

Both the House and Senate have received Governor McMaster's Executive Budget which recommends \$380M in remaining ARPA funds be allocated for water, wastewater, and stormwater infrastructure:

- "This Executive Budget recommends a \$380 million investment in the revitalization of South Carolina's water, wastewater, and stormwater infrastructure. Last year, RIA received \$800 million in ARPA funds for this purpose and received nearly \$2 billion in requests, showcasing demand far exceeding supply. RIA will begin awarding grants by the end of January and the balance of the funds it received last year will be distributed to local governments by the summer. RIA is best situated to distribute this funding because of existing grant management and accountability processes, and the agency already has received 309 grant applications from local water authorities. Modernizing the state's water and sewer infrastructure through this proposal will support public health and economic development by making rural areas even more attractive for capital investment. It will also support improved efficiency and stewardship of taxpayer funds by promoting regionalization and coordination between larger and small water and sewer systems."

Legislative/Regulatory Update

- **Water Utility Council**
 - SC Critical Infrastructure Cybersecurity (SC CIC)
- **LCRI (Lead and Copper Rule Improvements)**
 - Primacy revisions
- **PFOA/PFOS (Per and Polyfluoroalkyl Substances)**
 - Proposed rule not out yet, OBM has not approved
 - Comms for the public under review
- **Saluda River Basin – State Water Plan**
 - Application submitted



General Interest

- **Cold weather**
 - No major system damage
 - Some property damage; vehicle, fitness center
 - Running calls around the clock



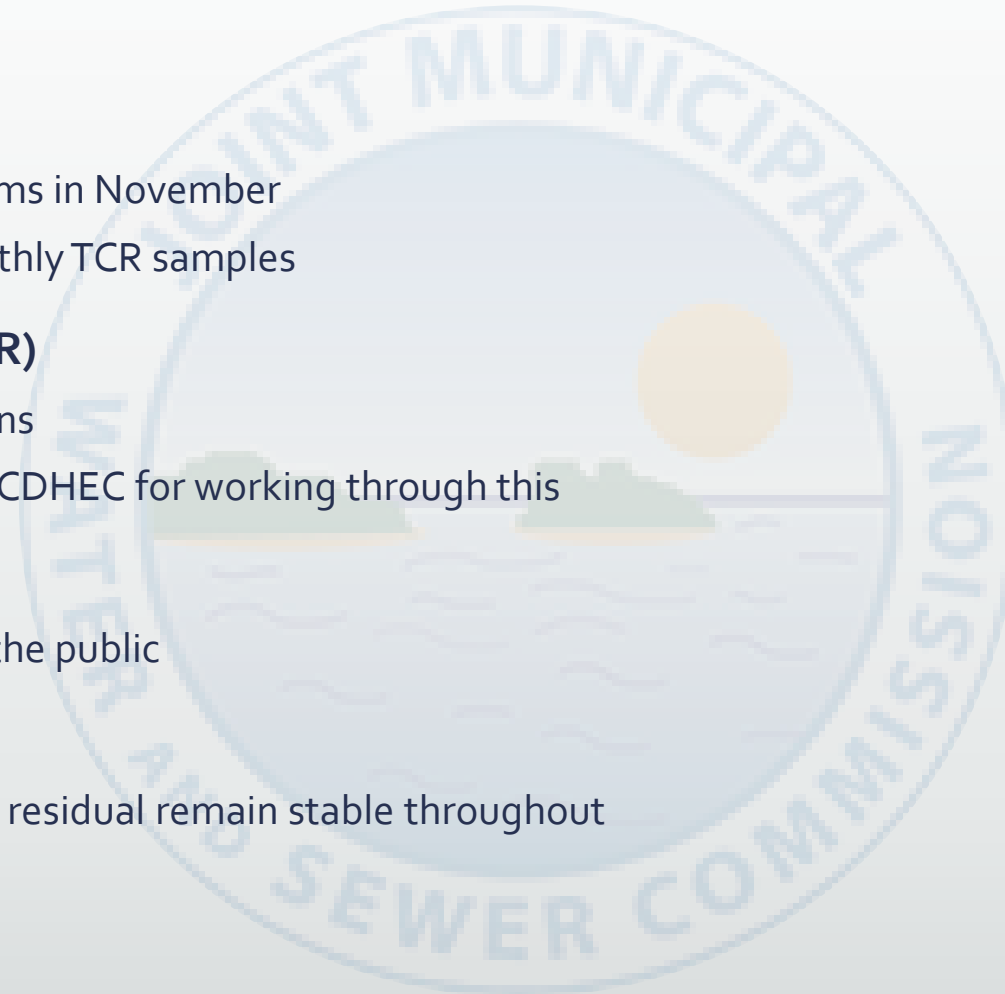
Workforce

- **Staffing**
 - Attended two recruitment events at LTC (11/15 and 1/5)
- **Training and Education**
 - Attended MYM
 - Workforce Development Workshop
- **Environmental Certification Bonuses**
 - Four more exams passed since last meeting
(nine total since incentive change)
- **COVID**
 - Approximately 424 hours in calendar year 2022



Operations

- **Sanitary Survey**
 - Satisfactory on both systems in November
 - Increasing number of monthly TCR samples
- **Lead and Copper Rule (LCR)**
 - Resamples clear all concerns
 - Kudos to operations and SCDHEC for working through this
- **PFAS/PFOS**
 - Prepping for comms with the public
- **Water Quality**
 - Water quality and chlorine residual remain stable throughout distribution system
- **Supply Chain**
 - Inventory remains a challenge but signs of improvement



Engineering & Construction

- **Technology – GIS/CMMS/IT**

- Working with Woolpert on CMMS (CityWorks)
- RFQ for AMI assistance to be advertised in the near future
- Guy and Madeline involved in developing a Utility Asset Management Work Group

Finance & Customer Service

- **Human Resources**

- BambooHR

- **Tap Fee Study**

- RFC

- **ACFR**

- Completed; presentation in February

- **Sprypoint CIS**

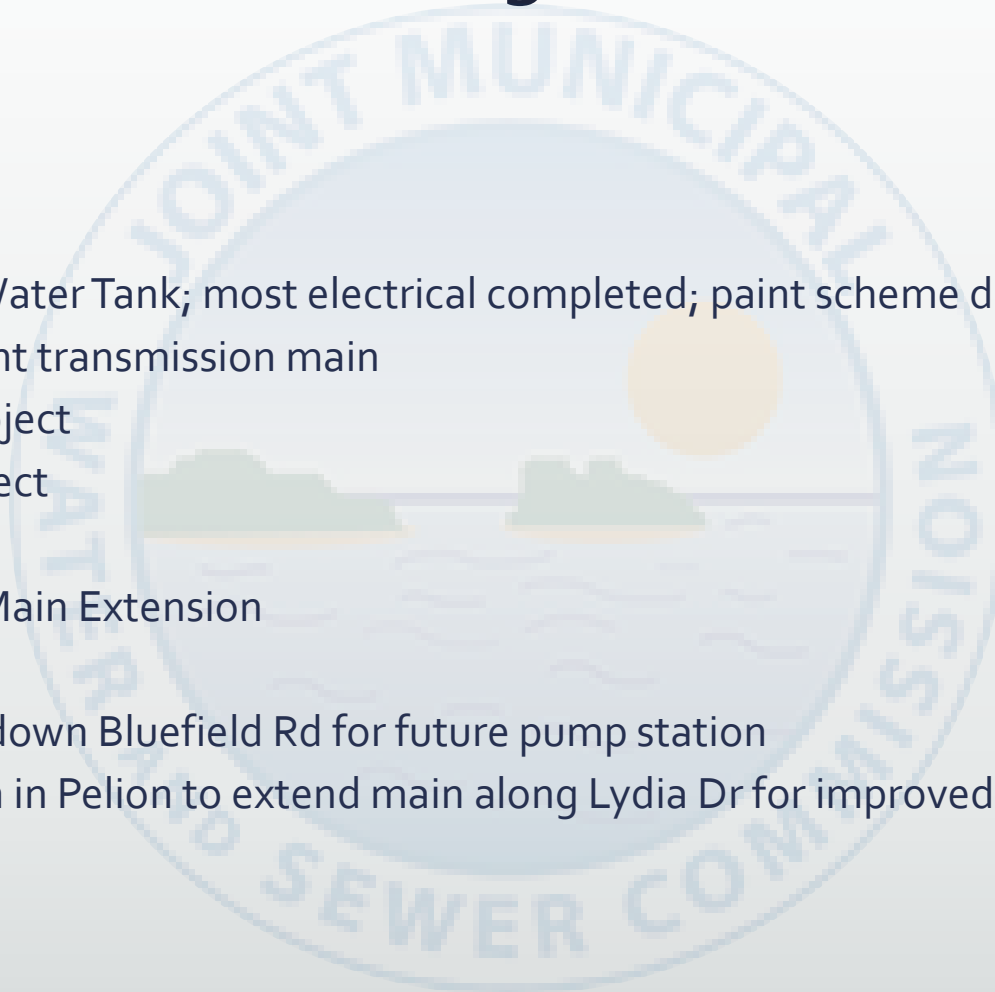
- CIS demo review and SpryMobile demo



Capital Improvements Program

- **Water Projects**

- Charter Oak Elevated Water Tank; most electrical completed; paint scheme discussion today
- Phase two of water plant transmission main
- Tank Control Valves project
- Pelion Water Main Project
- Black Jack Oak Lane
- Muddy Springs Water Main Extension
- B-L Project
- Water main extension down Bluefield Rd for future pump station
- Fort's Ridge subdivision in Pelion to extend main along Lydia Dr for improved flows



Capital Improvements Program

- **Sewer Projects**

- Old Orangeburg Sewer Upgrades gravity portion
- Old Orangeburg/Platt Springs Sewer Upgrades
- YMCA property (Ashton Lakes)
- Lexington Hills Lift Station rehab
- Two Notch Lift Station #2 rehabilitation
- Bluefield Pump Station design
- No movement on Cayce metering stations



JMWSC at a Glance									FY22	Previous										FY23	Previous
	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Growth	YTD		Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Growth	YTD		
Customer Data																					
Water customers	18,690	18,731	18,824	18,914	18,984	19,014	19,081	19,100	2.89%	3.38%		19,114	19,213	19,228	19,263	19,340	19,416	1.65%	0.91%		
Sewer customers	5,680	5,687	5,767	5,832	5,873	5,881	5,923	5,932	4.99%	5.49%		5,936	6,008	6,027	6,063	6,135	6,212	4.72%	0.65%		
New water only	12	39	12	19	44	16	29	18	250	303		8	41	4	6	12	6	77	112		
New water/sewer	1	8	82	56	39	3	40	5	266	300		2	67	16	36	39	86	246	41		
Total new customers	13	47	94	75	83	19	69	23	516	603		10	108	20	42	51	92	323	153		
Start accounts		160	170		225	223		279				251	286	208	209		153				
Close accounts		41	40		74	71		84				75	103	79	54		38				
Meters read (AMR)	18,837	18,919	18,862	19,070	19,137	19,181	19,229	19,290				19,300	19,316	19,349	19,439	19,398	19,361				
Meters unread (AMR)	127	66	158	39	57	95	73	81				96	89	158	94	170	278				
Disconnected/nonpmt	124	124	170	141	85	132	155	193				147	171	178	135	159					
Remain disconnected	18	14	25	26	16	21	21	29				31	26	27	10	23					
Water quality complaints																					
Taste/odor/color		1	3		2	0		1				2	2	1	1		0				
Pressure		6	13		4	3		6				4	3	4	6		2				
Total		7	16		6	3		7				6	5	5	7		2				
Flow Data (MGD)																					
Water avg daily flows	4.45	4.13	4.17	4.36	4.62	5.64	7.21	9.19				7.87	8.10	7.85	6.54	5.08	5.25				
previous year	5.19	4.63	4.51	4.32	4.73	7.16	8.14	7.11				6.95	7.32	6.34	5.40	4.45	4.13				
Sewer avg daily (combined)	1.39	1.34	1.37	1.367	1.329	1.365	1.35	1.34				1.42	1.38	1.45	1.37	1.377	1.395				
previous year	1.197	1.255	1.273	1.367	1.397	1.371	1.299	1.357				1.324	1.446	1.496	1.39	1.39	1.34				
Current projects																					
Residential		36	33		37	37						42	42		42		41	Res lots			
Commercial		21	21		21	23						27	27		29		26	water	sewer		
JMWSC		9	9		9	9						8	8		9		9	2,171	1,565		
Total projects		66	63		67	69						77	77		80		76				
Locates received	962	900	940	1121	1334	1107	1341	1459				1273	1457	1190	1198	1198	1086				
Locates marked	685	504	722	720	765	653	826	926				705	897	722	729	747	620				
Total LF marked	87,252	74,887	68,755	64,715	56,580	52,380	65,570	63,735				59,070	48,750	46,620	59,310	46,795	52,353				

Revenues/Expenses thru Dec 2022	Actual	Budget	% Budget
Operating Revenues *	11,197,283	19,772,905	57%
Operating Expenses *	5,153,919	12,401,779	42%
*Direct operating revenues/expenses only. Does not include debt service and depreciation information.			



PROGRESS THROUGH COOPERATION



JMWSC PROJECT UPDATE

January 11, 2023

JMWSC PROJECT UPDATE 2 1/11/23

*WMP - Water Master Plan; SMP - Sewer Master Plan



WATER PROJECTS

- 8214 Upsize Water Mains
- 8330 Plant Transmission Phase 2
- 8332 Pelion Water Main Replacement
- 8335 Clermont Lakes/Bluefield/
Platt Springs Road
- 8336 Batesburg-Leesville Water Supply
- 8325 SCDOT Relocations
- 8331 Charter Oak Storage Tank
- 8336 Batesburg Leesville Tank
- 8216 Water Plant Capacity
- 8333 Counts Ferry Road Site

8214 UPSIZE WATERLINES

Lydia Drive – Forts Pond Subdivision – Power Eng.

New 8” watermain along Lydia Drive from Pine Street to Main Street (appx. 1500 LF) to improve system flows along Forts Pond Road. Commission to pay for 50% of the cost of the main. Project is under Design.

Muddy Springs – Silver Ridge – CEC

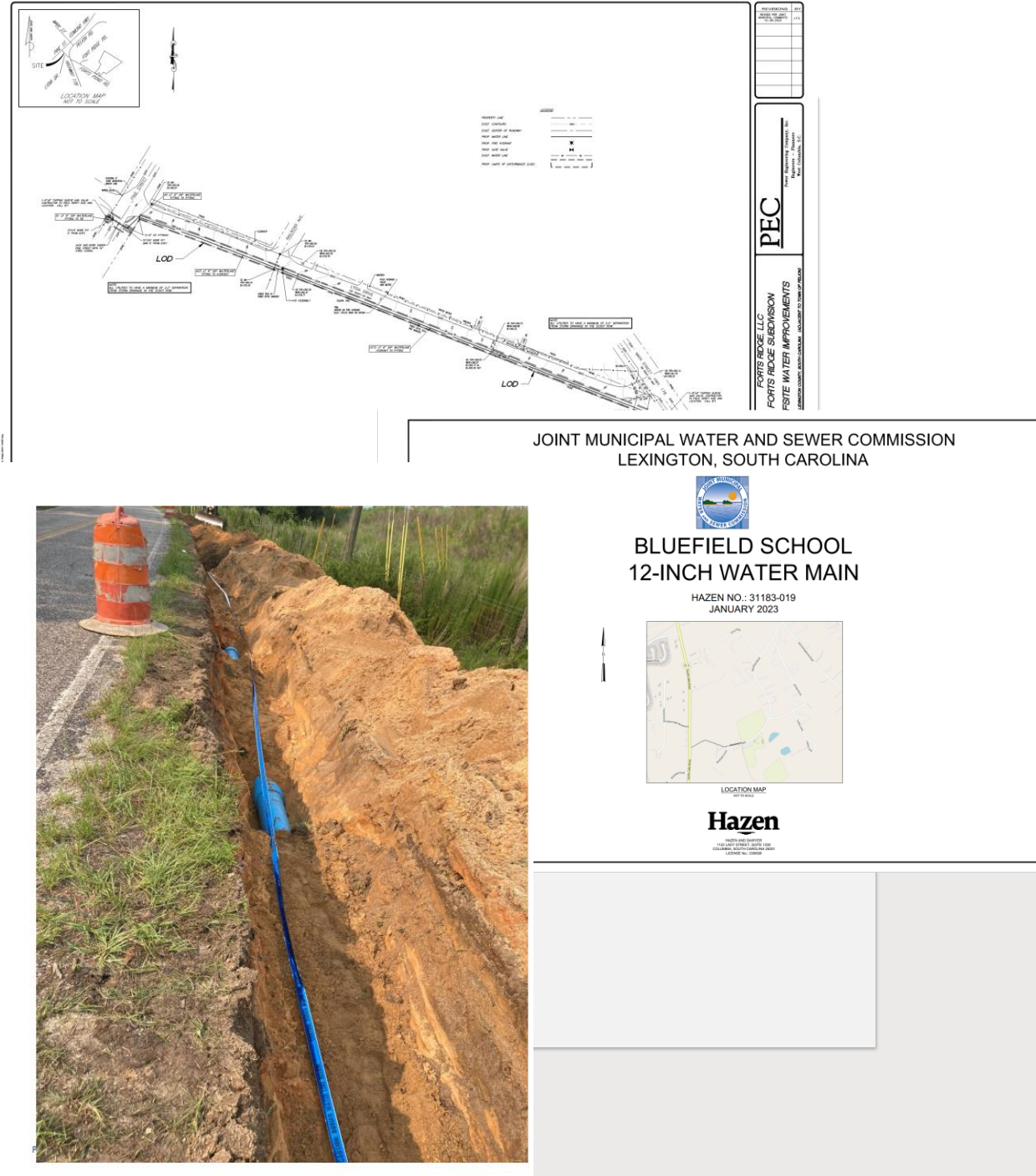
Mainline Extension along Muddy Springs Road to serve Silver Ridge Subdivision. Agreed to pay \$21,397 to upsize main to 12”. Project is complete, but not invoiced.

Blackjack Oak – Hidden Springs – CEC

Mainline Extension to Serve Hidden Springs Subdivision. Agreed to pay 50% of Construction Cost (\$187,500). Water main has been installed, but not permitted.

Bluefield Road – Bluefield Elementary – Jackson/Hazen

Mainline Extension (approximately 1,200 LF 12” waterline) along Bluefield Road to new Pump Station. Will serve the proposed elementary school. District will pay original cost to extend to site (\$45,000). The Commission to pay the difference. (Total cost \$325,000) Project is under design.




8330 PLANT TRANSMISSION MAIN PHASE 2

Extension of Approximately 6,000LF of 24” Water Main

- Engineer – Hazen
- Bids Received July 26, 2022
- Contractor - LAD Construction - \$2,778,521.4
- Awaiting Material (Pipe) Delivery
- Set To Begin Construction April 2023
- Coordinating Construction across the Entrance of Hendrix Farms Subdivision with Mungo Homes and their contractor JC Wilkie.

Certified Bid Tab - July 26, 2022 Bid Opening: 10:00 AM 31183-009											
ENGINEER'S ESTIMATE				Lad Construction		DS Utilities		Stutts & Williams			
Item #	Description	Est. Qty.	UOM	Unit Price	Extended Price	Unit Price	Extended price	Unit Price	Extended price	Unit Price	Extended Price
1	Cleaning and Grubbing	1	AC	\$20,000	\$20,000	\$50,000.00	\$50,000.00	\$37,800.00	\$37,800.00	\$48,000.00	\$48,000.00
2	Erosion and Sedimentation Control	1	LS	\$80,000	\$80,000	\$20,000.00	\$20,000.00	\$75,455.00	\$75,455.00	\$33,988.00	\$33,988.00
3A	24" Push on Joint DIP, PC 200	4097	LF	\$280	\$1,147,160	\$244.00	\$999,668.00	\$334.00	\$1,368,398.00	\$325.00	\$1,331,525.00
3B	24" Restrained Joint DIP, PC 200	1488	LF	\$290	\$430,940	\$303.50	\$451,001.00	\$397.00	\$589,942.00	\$414.00	\$615,204.00
3C	12" Restrained Joint DIP, PC 350	60	LF	\$160	\$9,600	\$135.00	\$8,100.00	\$148.00	\$8,880.00	\$161.00	\$9,660.00
3D	6" Restrained Joint DIP, PC 350	43	LF	\$9	\$387	\$95.00	\$4,085.00	\$103.00	\$4,429.00	\$90.00	\$4,128.00
4A	Restrained Joint DI Fittings	22841	LBS	\$27	\$616,707	\$0.01	\$228.41	\$0.01	\$228.41	\$9.00	\$205,569.00
4B	24"x24" Tapping Sleeve and Valve	1	EA	\$12,500	\$12,500	\$69,890.00	\$69,890.00	\$92,815.00	\$92,815.00	\$101,194.00	\$101,194.00
4C	8"x6" Tapping Sleeve and Valve	1	EA	\$7,500	\$7,500	\$4,230.00	\$4,230.00	\$13,000.00	\$13,000.00	\$8,863.00	\$8,863.00
5A	24" Butterfly Valve	5	EA	\$27,000	\$135,000	\$15,715.00	\$78,575.00	\$15,150.00	\$75,750.00	\$20,731.00	\$103,655.00
5B	12" Gate Valve	1	EA	\$12,500	\$12,500	\$4,900.00	\$4,900.00	\$5,334.00	\$5,334.00	\$5,980.00	\$5,980.00
5C	6" Gate Valve	1	EA	\$7,000	\$7,000	\$2,065.00	\$2,065.00	\$2,315.00	\$2,315.00	\$2,446.00	\$2,446.00
6	Air Release Valve Assembly & Manhole	1	EA	\$25,000	\$25,000	\$13,700.00	\$13,700.00	\$26,300.00	\$26,300.00	\$14,573.00	\$14,573.00
7	Fire Hydrant w/ GV & 6" DIP	5	EA	\$10,000	\$50,000	\$7,500.00	\$37,500.00	\$8,110.00	\$40,550.00	\$9,443.00	\$47,215.00
8	Services & Meters	1	EA	\$4,000	\$4,000	\$2,065.00	\$2,065.00	\$1,890.00	\$1,890.00	\$2,216.00	\$2,216.00
9	Jack & Bore 42" Casing (no carrier)	260	LF	\$1,200	\$312,000	\$1,245.00	\$323,700.00	\$1,180.00	\$306,800.00	\$2,219.00	\$576,940.00
10A	Horizontal Directional Drill 30" DIPS DR11 HDPE (In Soil)	412	LF	\$750	\$308,000	\$672.00	\$276,864.00	\$1,500.00	\$615,000.00	\$852.00	\$351,024.00
10B	Horizontal Directional Drill 30" DIPS DR11 HDPE (In Rock)	100	LF	\$1,250	\$125,000	\$2,435.00	\$243,500.00	\$1,500.00	\$150,000.00	\$10,121.00	\$1,012,100.00
11	Gas Main Crossings	2	EA	\$12,500	\$25,000	\$3,500.00	\$7,000.00	\$13,200.00	\$26,400.00	\$5,808.00	\$11,212.00
12A	Remove & Replace Asphalt Driveway	436	SY	\$100	\$43,600	\$100.00	\$43,600.00	\$83.00	\$36,188.00	\$152.00	\$66,272.00
12B	Remove & Replace Gravel Driveway	123	SY	\$50	\$6,150	\$50.00	\$6,150.00	\$17.00	\$2,091.00	\$336.00	\$41,328.00
13	Disinfection	6200	LF	\$2	\$12,400	\$2.00	\$12,400.00	\$4.35	\$26,970.00	\$6.00	\$37,200.00
14	Seeding/Grassing	2.2	AC	\$5,000	\$11,000	\$4,000.00	\$8,800.00	\$2,160.00	\$4,752.00	\$2,800.00	\$6,160.00
15	Stone Bedding	40	TON	\$35	\$1,400	\$75.00	\$3,000.00	\$46.00	\$1,840.00	\$140.00	\$5,600.00
16	Rock Removal/Blasting	60	CY	\$125	\$7,500	\$125.00	\$7,500.00	\$125.00	\$7,500.00	\$125.00	\$7,500.00
17	Landscape Allowance	1	LS	\$25,000	\$25,000	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00
18	Scrap Iron Index	1	LS	\$75,000	\$75,000	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00
Total					\$3,491,344		\$2,778,521.41		\$3,623,627.41		\$4,749,512.00

I hereby certify that the above is a true and correct (to the best of my knowledge) tabulation of bids received on July 25, 2022

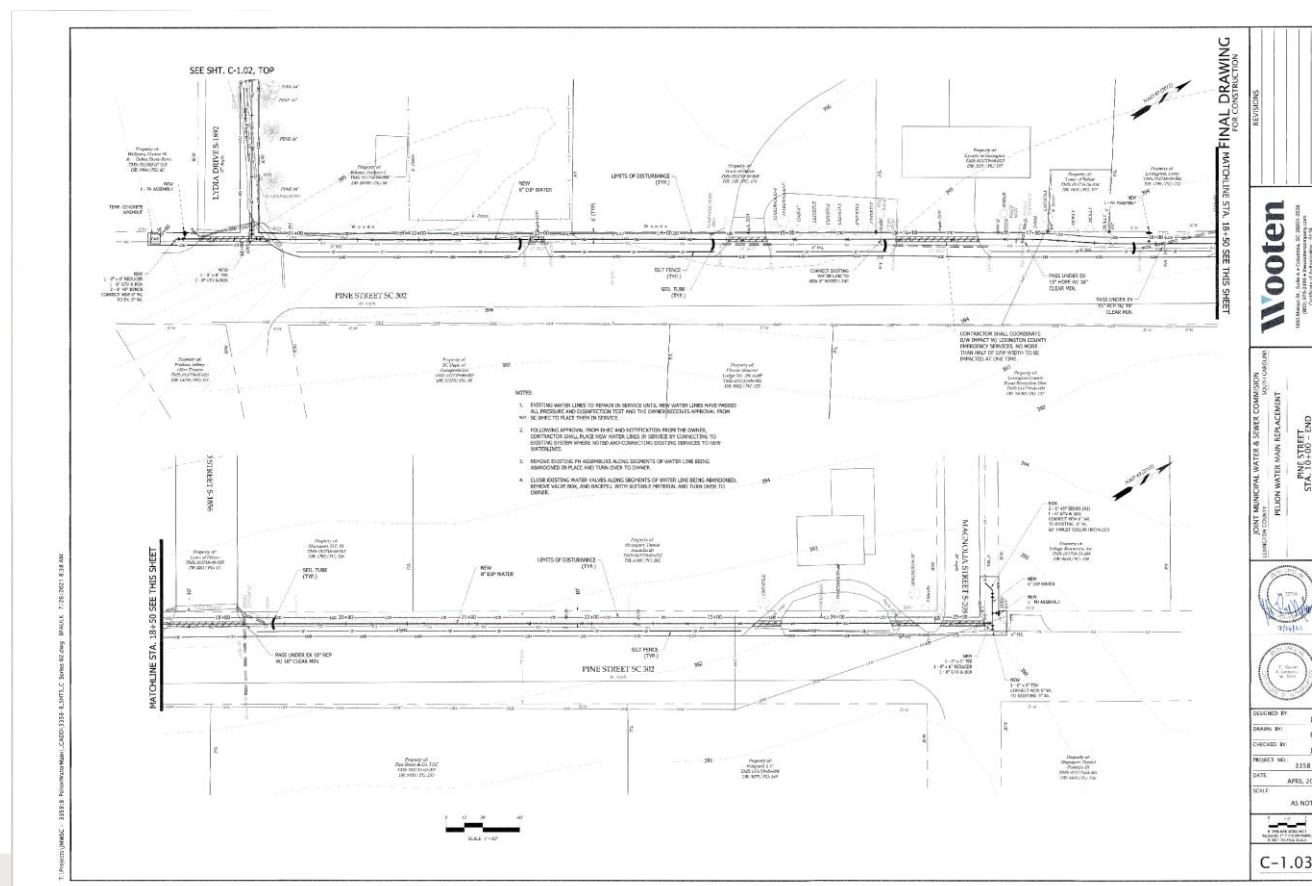

William Orne, PE Hazen and Sawyer

Notes: Highlighted numbers denote a corrected math mistake or scrivener's error.

8332 PELION WATER MAIN IMPROVEMENTS

Replacement of 6" Water Main in Pelion around

- Engineer – Woolpert
- Received Bids March 29, 2022
- Contractor - H Senn Construction - \$425,000
- Awaiting Material (Pipe) Delivery
- Construction to begin April 2023
- CDBG Funded Project





8335 CLERMONT LAKES / BLUEFIELD / PLATT SPRINGS

Currently Analyzing System
Improvements Necessary

Need to Coordinate with Development
in the Area:

- Calico Farms
- Hawthorn Springs Apartments
- Kyzer/Platt Springs Road
Development
- 302 Corridor Development

8336 BATESBURG-LEESVILLE WATER SUPPLY

Engineer - Hazen & Sawyer

Currently working on Design of Project

SRF

Are on the Intended Use Plan for SCDHEC - SRF

SCIIP

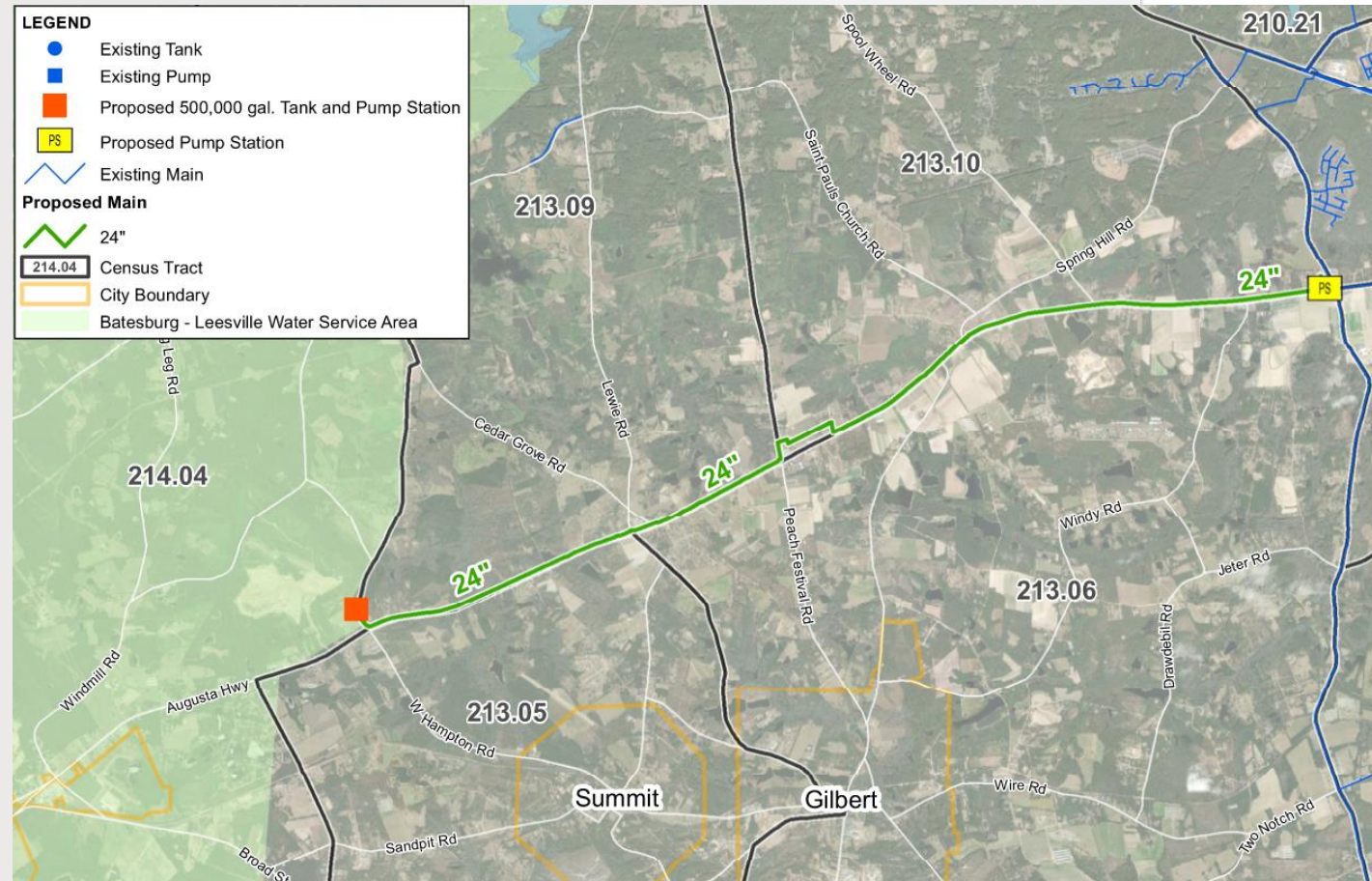
Have made a \$10 Million Dollar Request for SCIIP Funding. Should hear back the Beginning of February.

ARPA

Have made a Request to Lexington County for ARPA Funding

Public Hearing

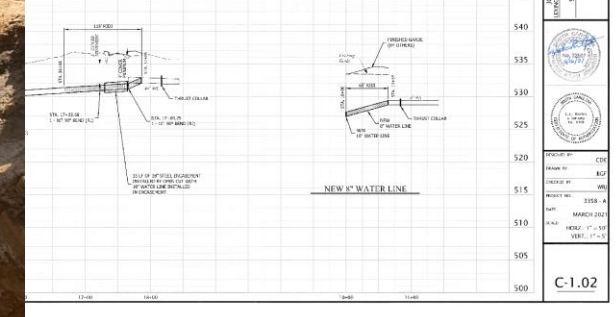
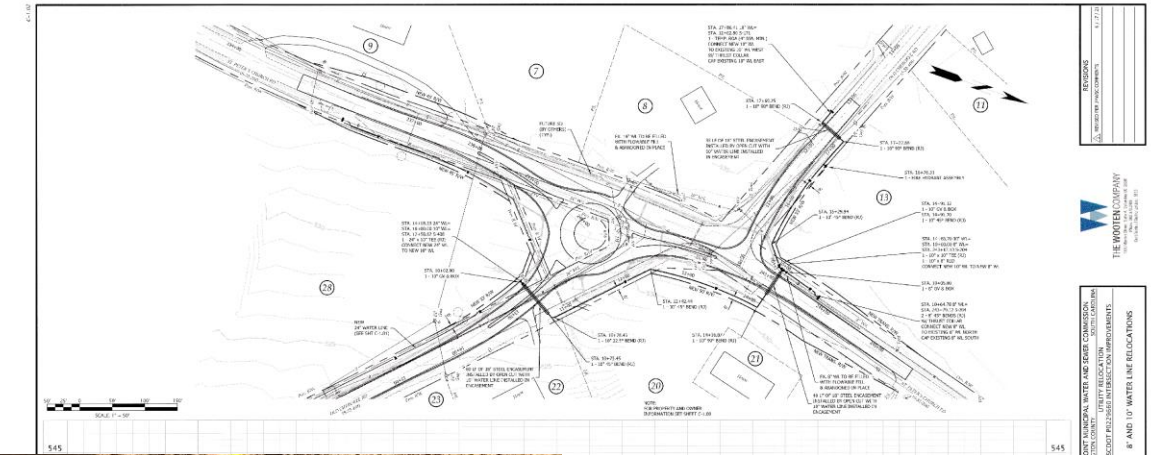
Public Hearing was held yesterday evening at B-L Town Hall. Required by SRF.



8325 SCDOT RELOCATIONS

Old Cherokee – St Peters Traffic Circle

- Engineer – Woolpert
- Went in contract with SCDOT.
- Total relocation contract \$640,460.
- SCDOT paid \$86,375.52.
- Edisto Contracting Prime Contractor. LAD Construction completed the work.





8331 CHARTER OAK STORAGE TANK

Engineer - WK Dickson

Project Bid February 16, 2021

Contractor CBI \$4.83 M

Substantial Completion was
12/18/22

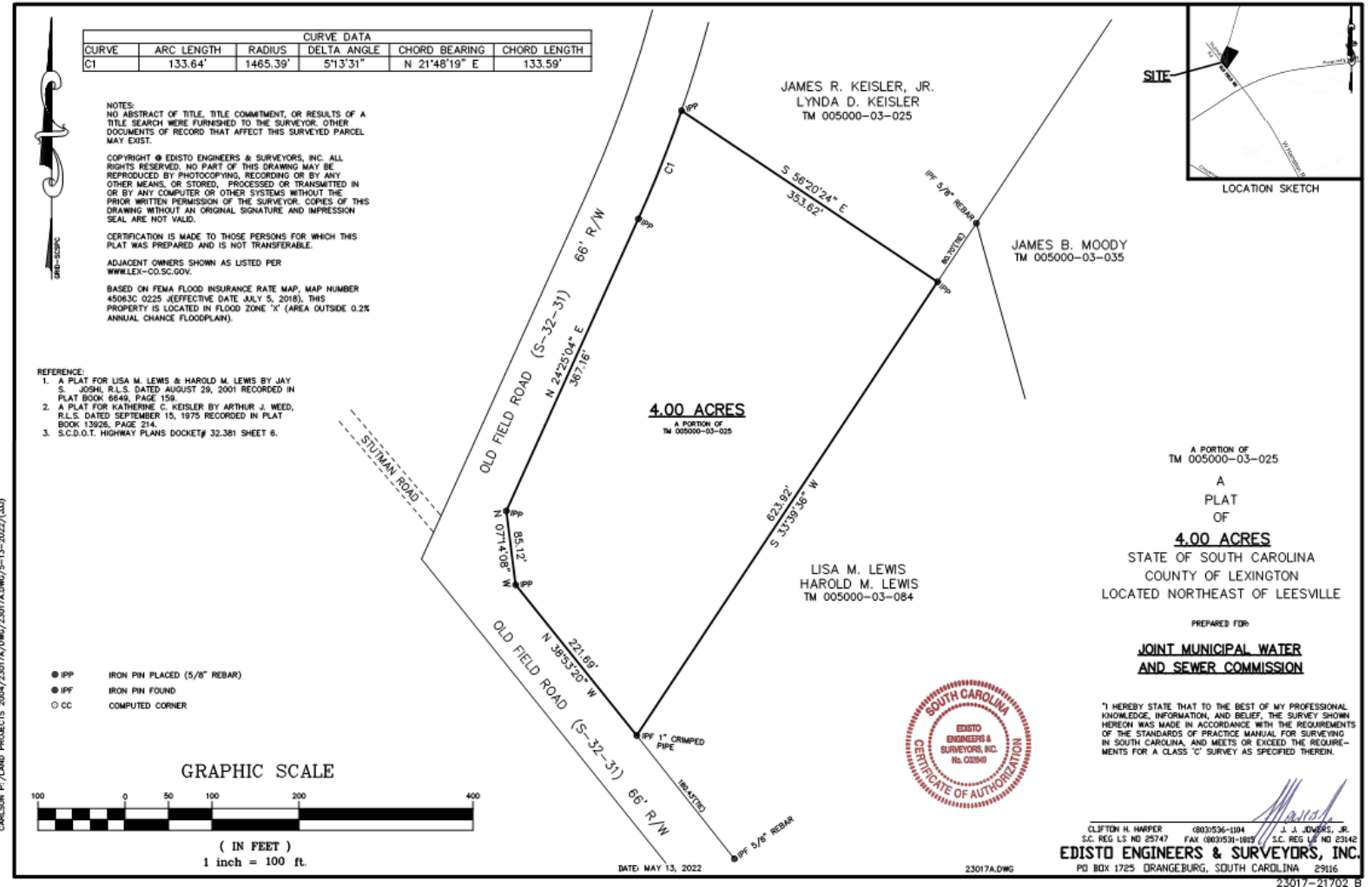
\$1,500/Day Liquidated
Damages

Anticipated Construction
Completion January 30, 2023

Working with Allan Anderson
to finalize logo to be applied
after completion

Hazen & Sawyer

Currently working on Design of Project
Purchased 4 Acres along Old Field Rd
Have receive Geotechnical Report
Have received Pump Station TM
May repurpose Highway 378 Tank

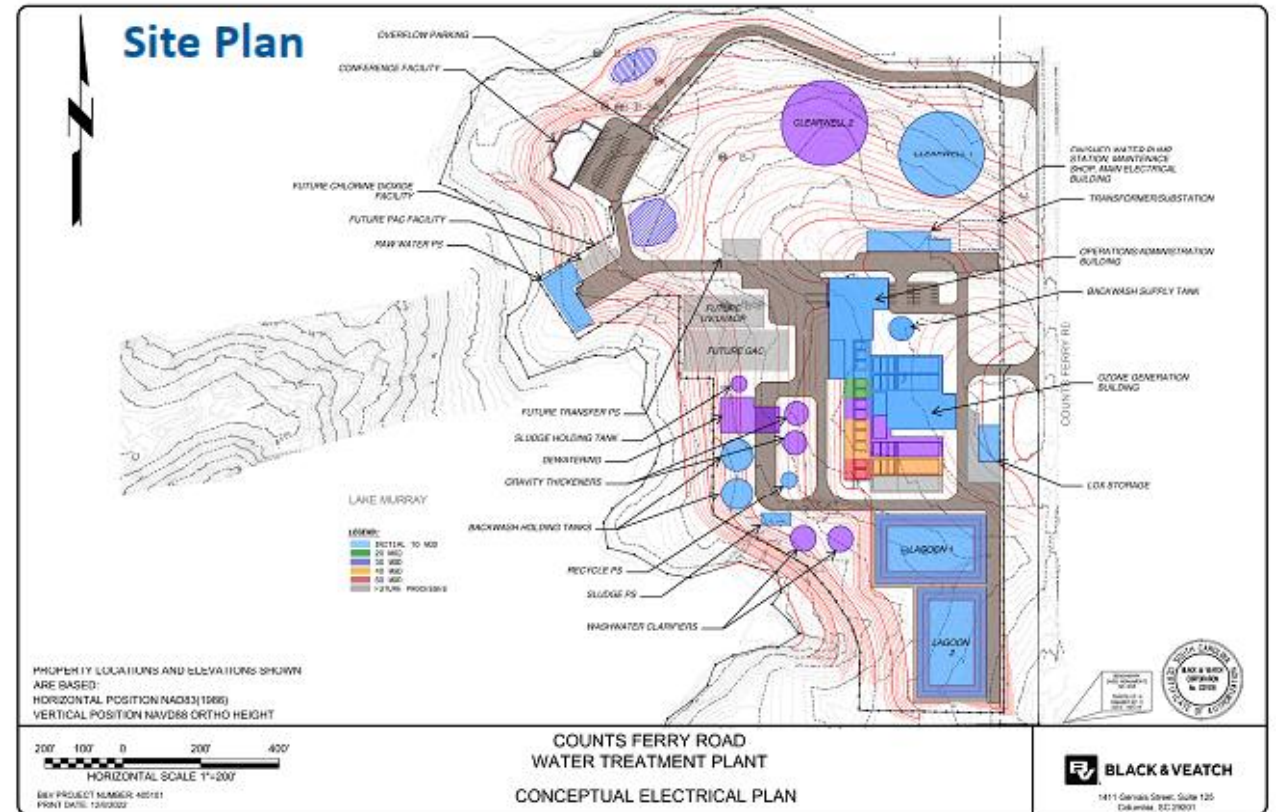


8333 COUNTS FERRY ROAD SITE

Engineer - Black & Veatch

Currently completing various TMs

- Raw/Source Water Sampling
- Geotechnical Evaluation
- Intake Alternatives Analysis
- Waste Stream Analysis
- Electrical/Power Demand Analysis
- Treatment & Process Analysis
- Pumping Station Design Criteria
- Internal Piping Analysis
- Finished Water Piping Analysis
- Facilities Analysis – Meeting with various Agencies





WASTEWATER PROJECTS

9203 Sewer System Improvements

9218 Old Orangeburg Road/Platt Springs

Road Sewer Improvements

9285 Lift Station Upgrades

9286 Upsize Sewer Lines

Sewer Capacity – Not on Current CIP

9203 SEWER SYSTEM IMPROVEMENTS BLUEFIELD SEWER

Engineer - Hazen

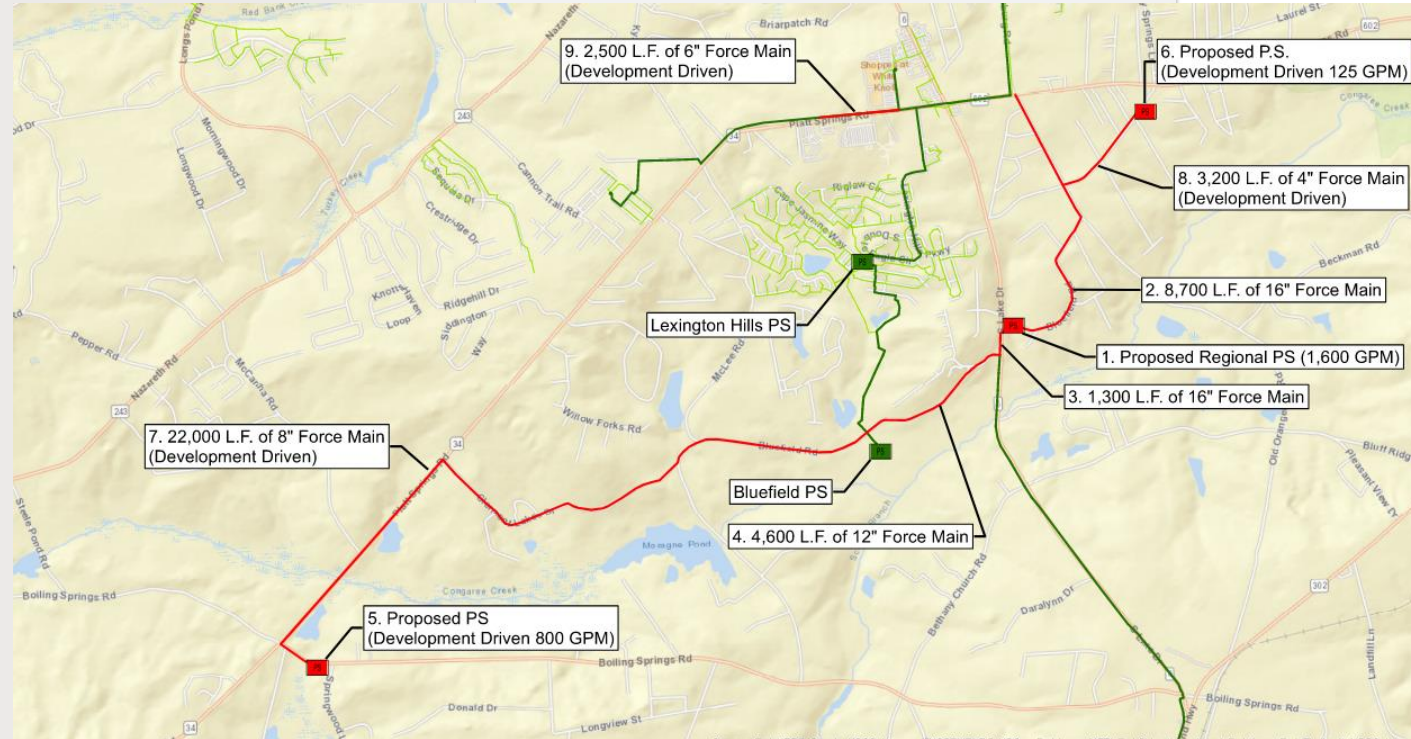
Currently working on Design of Project. Route survey completed by AECOM.

Lexington School District One

Proposed Elementary School to open 2024

Pump Station Selection TM

Completed by Hazen recommending Package Gorman-Rupp Pump Station. Meeting with Manufacturer Rep next Friday to discuss proceeding with Shop Drawings and Construction Contract and Timeframe.



9218 OLD ORANGEBURG ROAD/PLATT SPRINGS SEWER IMPROVEMENTS

Old Orangeburg Upgrade (CDBG)

Engineer – AECOM

Received bids July 18 2022

Contractor - LAD Construction - \$641,655.

Set to begin construction next week

Old Orangeburg to Platt Springs Sewer Improvements (SRF)

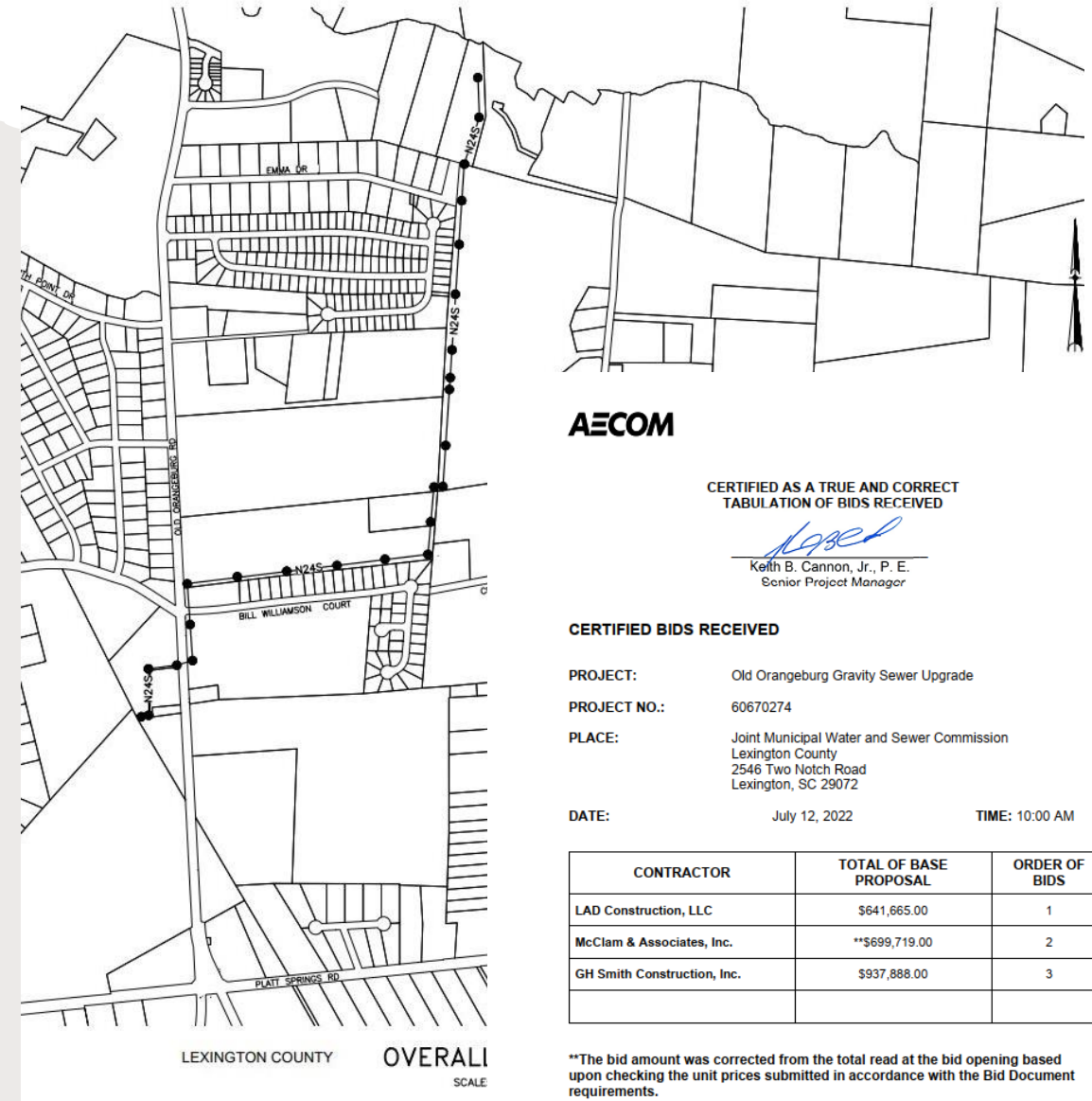
Engineer – AECOM

Bid Documents 90%

Currently procuring Easements/Appraisals Completed

Coordinating with Commercial Project

At Intersection of Old Orangeburg and Platt Springs



9285 LIFT STATION UPGRADES

Two Notch #2 Upgrade

Engineer - Black & Veatch

Received Bids 9/27/22

Contractor – Shade Grove Construction –
\$757,243 Waiting on Materials set to begin early
summer 2023

Lexington Hills Pump Station Upgrade

Engineer- Frazier Engineering/CHA

Have Received 50% Review

Chosen Replacement Pumps - Sulzer



BLACK & VEATCH CORPORATION
1411 GERVAIS ST, SUITE 125, COLUMBIA, SC 29201
+1-803-413-4537 M | +1-803-403-8603 O | WWW.BV.COM

Joint Municipal Water and Sewer Commission
Two Notch #2 Pump Station Rehabilitation
Bid Tabulation and Recommendation of Award

B&V Project 412133
B&V File 80.0053
September 27, 2022

Mr. Guy Schmoltze, P.E.
Engineering & Construction Manager
Joint Municipal Water and Sewer Commission
2546 Two Notch Road
Lexington, SC 29072

Dear Mr. Schmoltze,

Sealed bids for the above referenced project were received by Joint Municipal Water and Sewer Commission at their offices on 2546 Two Notch Road, Lexington, South Carolina at 10:00 am on September 27, 2022.

A total of three bids were received and opened, ranging in price from \$757,243.00 to \$1,182,754.00. The bids have been reviewed and are all deemed responsive to the bid documents. A certified bid tabulation is attached. The lowest bid was received from Shady Grove Construction, LLC of Irmo, South Carolina.

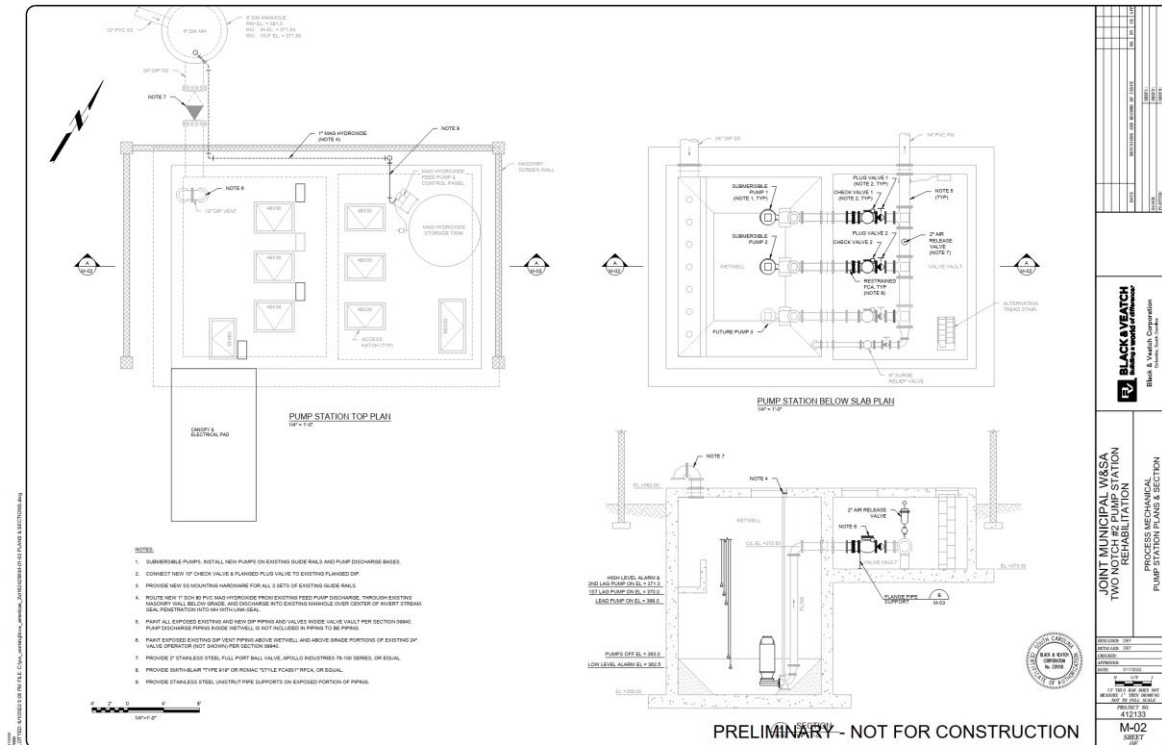
Shady Grove Construction, LLC has the appropriate contractor's licenses, bonding capacity, and previous experience on similar projects to complete this project.

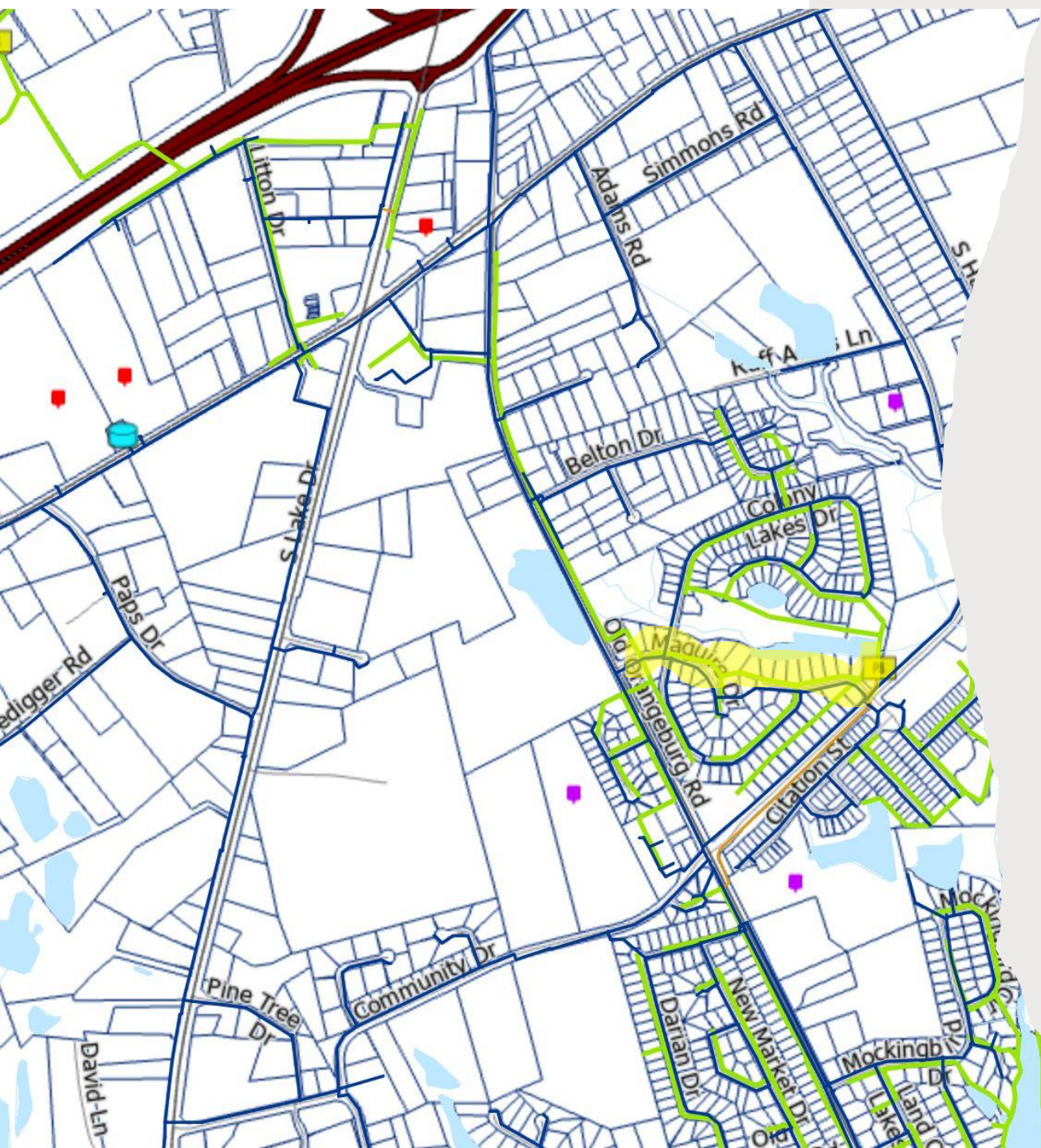
Based on the above findings, it is our recommendation to award the contract to Shady Grove Construction, LLC, the lowest responsive, responsible bidder for this project for the total lump sum amount included in their bid of \$757,243.00.

Please contact me if we may be of any further assistance regarding the award of this contract.

Very truly yours,

BLACK & VEATCH CORPORATION





9286

UPSIZE SEWER LINES

Colony Lakes Gravity Sewer Analysis

Currently completing Analysis in area

Flow Study completed 1/10/23 – Frazier

Three Proposed Developments in the area

