



City of Cartersville

P.O Box 1390 – 10 Public Square – Cartersville, Georgia 30120
Telephone: 770-387-5616 – Fax 770-386-5841 – www.cityofcartersville.org

COUNCILPERSONS:

Matt Santini – Mayor
Calvin Cooley – Mayor Pro Tem
Gary Fox
Kari Hodge
Cary Roth
Jayce Stepp
Taff Wren

AGENDA

Council Chamber, Third Floor of City Hall– 7:00
PM – 12/19/2019
Work Session – 5:30PM

CITY MANAGER:

Tamara Brock

CITY ATTORNEY:

David Archer

CITY CLERK:

Meredith Ulmer

I. Opening of Meeting

- Invocation
- Pledge of Allegiance
- Roll Call

II. Regular Agenda

A. Council Meeting Minutes

1. December 5, 2019 (Pages 1 - 11)

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B. Appointments

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2. Cartersville Development Authority (Page 13)

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C. Commendation/Recognition

1. Award Announcement (Page 16)

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D. Contracts/Agreements

1. Statewide Mutual Aid Agreement for Georgia (Pages 17 - 26)

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E. Resolutions

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2. Watershed Protection Plan (Pages 30 - 31)

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F. Bid Award/Purchases

1. WTP – Filter Controls Integration (Pages 32 - 51)

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2. Geotechnical Analysis for Jimmy Don Crane Sewer (Pages 52 - 65)

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3. WTP – High Service Pump Building #2 Roof Repair (Pages 66 - 70)

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4. WPCP – Grit Chamber #1 Repair Parts (Pages 71 - 77)

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5. WPCP – Flygt Mixer Repair (Pages 78 - 83)

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6. Chubb Cancer Insurance Policy (Pages 84 - 85)

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7. GMA Membership Dues (Pages 86 - 87)

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8. Talon Software for Transco Pipeline (Pages 88 - 92)

[Attachments](#)

G. Monthly Financial Statement

1. October 2019 Financial Report (Pages 93 - 97)

[Attachments](#)

PERSONS WITH DISABILITIES NEEDING ASSISTANCE TO PARTICIPATE IN ANY OF THESE PROCEEDINGS SHOULD CONTACT THE HUMAN RESOURCES OFFICE, ADA COORDINATOR, 48 HOURS IN ADVANCE OF THE MEETING AT 770-387-5616.



City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
December 5, 2019

SubCategory:	Council Meeting Minutes
Department Name:	Clerk
Department Summary Recommendation:	The meeting minutes are attached for your review and approval.
City Manager's Remarks:	The minutes are recommended for Council approval.
Financial/Budget Certification:	
Legal:	
Associated Information:	

City Council Meeting
 10 N. Public Square
 December 5, 2019
 8:00 A.M. – Work Session
 9:00 A.M. – Council Meeting

I. Opening Meeting

Invocation by Council Member Fox.

Pledge of Allegiance led by Council Member Stepp.

The City Council met in Regular Session with Matt Santini, Mayor presiding and the following present: Kari Hodge, Council Member Ward One; Jayce Stepp, Council Member Ward Two Cary Roth, Council Member Ward Three; Gary Fox, Council Member Ward Five; Taff Wren, Council Member Ward Six; Tamara Brock, City Manager; Meredith Ulmer, City Clerk and Keith Lovell, Assistant City Attorney.

Absent: Calvin Cooley, Council Member Ward Four

II. Regular Agenda

A. Council Meeting Minutes

1. November 21, 2019 City Council Minutes

A motion to approve the November 21, 2019 City Council Meeting Minutes as presented was made by Council Member Fox and seconded by Council Member Roth. Motion carried unanimously. Vote: 5-0.

B. Public Hearing – 1st Reading of Zoning/Annexation Requests

1. Z19-05: Rezone .47 acres from G-C to L-I. Location: 350 N. Erwin St. Applicant: Prodigy Enterprises

Randy Mannino, Planning and Development Department Head stated In June, JA Smith and Company began installing a chain link fence around the perimeter of the property to protect the construction equipment being stored behind the building. Mr. Hardegree informed the fence company of the setbacks, and the zoning and fence restrictions in the G-C (General Commercial) district. Code enforcement officer, Donna Fritz, and Mr. Hardegree contacted the owner. At an on-site meeting in July, the owner was informed of the zoning violations of outdoor storage of the construction equipment and fence setback restrictions under the G-C zoning district. A solution to rezone the property from G-C to L-I (Light Industrial) was agreed to by all parties. The L-I zoning category allows the owner to store construction equipment on the property and provides relief to the fence restrictions. Planning Commission recommended approval (6-0).

The floor was opened for a public hearing and no one came forward, therefore the public hearing was closed.

Motion to approve Z19-05 was made by Council Member Stepp and seconded by Council Member Wren. Motion carried unanimously. Vote: 5-0.

Ordinance
of the
City of Cartersville, Georgia
Ordinance No. 41-19
Petition No. Z19-05

NOW BE IT AND IT IS HEREBY ORDAINED by the Mayor and City Council of the City of Cartersville, Georgia, that all that certain tract of land owned by Prodigy Enterprises. Property is located at 350 North Erwin St. Said property contains 0.47 acres located in the 4th District, 3rd Section, Land Lot 380 as shown on the attached plat Exhibit “A”. Property is hereby rezoned from G-C (General Commercial) to L0I (Light Industrial). Zoning will be duly noted on the official zoning map of the City of Cartersville, Georgia.

BE IT AND IT IS HEREBY ORDAINED.

First Reading this 21st day of November 2019.

ADOPTED this 5th day of December. Second Reading.

/s/ _____
Matthew J. Santini
Mayor

ATTEST:

/s/ _____
Meredith Ulmer
City Clerk

2. Z19-06: Rezone 8.52 acres from G-C/O-C to G-C/M-U. Location: 1136/1138 N. Tennessee St. Applicant: Tri Unity Holdings, LLC

Mr. Mannino stated in 2018, Tri Unity Holdings LLC requested a Special Use permit for the construction of apartments and condominiums above commercial and office uses in the same building for the parcels located at 1136 and 1138 N. Tennessee St. That request was approved with a condition by City Council on October 4, 2018. The condition was to construct a privacy

fence along the property line bordering the Point North subdivision. Since the special use permit approval, the applicant was unable to receive sufficient funding for apartments or condominiums on the 1136 N. Tennessee St property. Therefore, the applicant has revised the plans to include a different housing product more suitable to investors. The rezoning is needed to construct townhouse and office space products on the proposed M-U tract and to expand the G-C tract to include additional parking areas for the mixed-use development. Planning Commission recommends denial (6-0).

The floor was opened for a public hearing:

Dean Bagwell, Cartersville, GA came forward to speak against.

Baja Karazmi, Kennesaw, GA came forward as the applicant to speak for the application and be available for questions.

With no else coming forward the public hearing was closed.

Motion to approve Z19-06 with the following conditions: allows access for adjacent property owners to use Bradshaw Loop and keep the condition of an eight-foot fence was made by Council Member Hodge and seconded by Council Member Wren. Motion carried unanimously. Vote: 5-0.

Ordinance

of the

City of Cartersville, Georgia

Ordinance No. 42-19

Petition No. Z19-06

NOW BE IT AND IT IS HEREBY ORDAINED by the Mayor and City Council of the City of Cartersville, Georgia, that all that certain tract of land owned by Tri Unity Holdings, LLC. Property is located 1136 N Tennessee Street. Said property contains 7.42 acres located in the 4th District, 3rd Section, Land Lot 530 as shown on the attached plat Exhibit "A". Property is hereby rezoned from O-C (Office Commercial) and G-C (General Commercial) to M-U (Multiple Use) and G-C (General Commercial) Proposed Use: Townhomes, Office Space and Parking Lot (M-U); Parking Lots (G-C) with the following conditions: allows access for adjacent property owners to use Bradshaw Loop and keep the condition of an eight-foot fence between Point North Subdivision and this property per the condition approved on SU18-05. Zoning will be duly noted on the official zoning map of the City of Cartersville, Georgia.

BE IT AND IT IS HEREBY ORDAINED.

First Reading this 21st day of November 2019.
ADOPTED this 5th day of December. Second Reading.

/s/ _____
Matthew J. Santini
Mayor

ATTEST:

/s/ _____
Meredith Ulmer
City Clerk

3. SU19-07: Special Use Permit to Allow a Trash Transfer Station in the H-I Zoning District

Mr. Mannino stated regulated Services LLC, is requesting the Special Use permit for a Waste Transfer Station at 375 Industrial Park Rd, zoned H-I and 5.0+/- acres. The applicant is proposing a multi-faceted waste treatment facility that will process household trash, process and sterilize medical waste making it safe for disposal, reduce the waste volume through shredding and transport the waste to an appropriate landfill for disposal. Pharmaceutical disposal and document shredding are also proposed. Planning Commission recommends approval (5-1) with conditions:

- 1) Medical wastes cannot be chemically treated; and
- 2) Off-hour [after hour] security be provided.

The floor was opened for a public hearing:

Brandon Bowen, Cartersville, GA came forward to speak for the application and be available for questions.

Public hearing was closed.

Motion to approve SU19-07 with a condition that would prohibit the chemical processing of medical waste and to sterilize medical products prior to use was made by Council Member Fox and seconded by Council Member Wren. Motion carried unanimously. Vote: 5-0.

C. Second Reading of Ordinances

1. Fiscal Year 2018-19 Budget Amendment

Tom Rhinehardt, Finance Department Head stated after Completion of the Fiscal Year 2018-19 close, the General Fund, Special Revenue funds, and the SPLOST Fund's budgets need to be amended. The process of amending these budgets is done annually before the year-end close and will bring the city General Fund, Special Revenue Funds, and SPLOST Funds into

compliance with Generally Accepted Accounting Principles (GAAP) standards. These adjustments reflect the necessary changes needed to bring the budgets back into balance where the revenues equal expenses and mirror the actual year-to-date revenues and expenses in each of the funds. I recommend your approval of the attached ordinance amendment.

A motion to approve Fiscal Year 2018-19 Budget Amendment was made by Council Member Hodge and seconded by Council Member Fox. Motion carried unanimously. Vote: 5-0.

Ordinance

of the

City of Cartersville, Georgia

Ordinance No. _____

NOW BE IT HEREBY ORDAINED by the Mayor and City Council that pursuant to the City of Cartersville Charter; the City of Cartersville Fiscal Year 2018 – 2019 budget.

2018 - 2019 Budget Summary

<u>General Fund</u>	<u>Revenues</u>	<u>Expenditures</u>
Revenues	\$25,859,450	
Expenditures:		
Legislative		\$ 1,400,470
Administration		\$ 1,132,185
Finance Dept.		\$ 1,313,145
Customer Service Dept.		\$ 777,005
Police		\$ 5,891,870
Fire		\$ 7,629,145
Municipal Court		\$ 267,615
Public Works		\$ 2,519,350
Recreation		\$ 3,451,850
Planning & Development		\$ 1,235,805
Downtown Development Authority		\$ 241,010
<u>Special Revenue Funds</u>		
GO Park Bonds Series 2014	\$ 1,714,300	\$ 1,714,300
SPLOST – 2003	\$ 39,795	\$ 39,795
SPLOST – 2014	\$ 3,295,380	\$ 3,295,380
DEA	\$ 357,330	\$ 357,330
State Forfeiture	\$ 22,365	\$ 22,365
Hotel/Motel Tax	\$ 957,080	\$ 957,080

Motor Vehicle Rental Tax	\$ 77,670	\$ 77,670
Grant Funds	\$ 181,780	\$ 181,780
Impact Fees	\$ 0	\$ 0
Business Improve Dist Tax	\$ 31,390	\$ 31,390
Development Fees	\$ 10,960	\$ 10,960
Tax Allocation District	\$ 279,065	\$ 279,065

Cartersville Building Authority	\$ 5,486,020	\$ 5,486,020
SDBG Supplemental Dis Rec	\$ 131,905	\$ 131,905

Enterprise Funds

Fiber Optics	\$ 2,120,110	\$ 2,120,110
Electric	\$49,126,240	\$49,126,240
Gas	\$35,962,150	\$35,962,150
Solid Waste	\$ 2,649,715	\$ 2,649,715
Stormwater	\$ 1,597,000	\$ 1,597,000
Water & Sewer	\$40,113,000	\$19,271,770
Water Pollution Control Plant		\$14,991,835
Water Treatment Plant		\$ 5,849,395

Internal Service Fund

Garage	\$ 1,572,820	\$ 1,572,820
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BE IT AND IT IS HEREBY ORDAINED.

ADOPTED, this ____ day of November 2019. First Reading.

ADOPTED this ____ day of December 2019. Second Reading.

/s/ _____
Matthew J. Santini
Mayor

ATTEST:

/s/ _____
Meredith Ulmer
City Clerk

D. Contracts/Agreements

1. Elite Athletics Inc.

Tom Gilliam, Parks and Recreation Department Head stated this is a Programming Contract with Elite Athletics Inc. to be the Program Provider for Baseball for ages 3-7 years old

and Girls Fast-Pitch Softball to conduct Clinics, Summer Camps and Leagues. The Fast-Pitch League will look to begin League Play within 12-18 months, if not before. Elite Athletics Inc. was established in May of 2005 with the mission of developing and preparing youth baseball and softball players to help them better understand what areas they need to develop to improve as a player and as a person. Jamie Crane will be the Coordinator for these leagues. Jamie has lived in Cartersville for 20 years and has an extensive background in athletics on the amateur as well as professional level. Elite Athletics Inc. will give the City 20% of their gross registration fees including all of the non-resident fees.

Motion to approve Elite Athletics Inc was made by Council Member Fox and seconded by Council Member Roth. Motion carried unanimously. Vote: 5-0.

2. North Georgia Rec

Mr. Gilliam stated this is a Programming Contract with North GA Rec to be the Program Provider for Lacrosse for Boys and Girls and Field Hockey for Girls to conduct Clinics, Summer Camps and eventually to start Leagues within 12-18 months, if not before. North GA Rec is dba Newtown Recreation which was created in the summer of 1999 as a non-profit family-oriented youth athletic organization with the purpose of providing quality youth athletic programming. North GA Rec is dedicated to increasing the quality of life in our community by providing positive sports experiences for all coaches, parents and children. North GA Rec will give the City 10% of their gross registration fees including all of the non-resident fees.

Motion to approve North Georgia Rec was made by Council Member Fox and was seconded by Council Member Roth. Motion carried unanimously. Vote: 5-0.

3. Cartersville Senior Fitness

Mr. Gilliam stated this is a Programming Contract with Cartersville Senior Fitness to be the Program Provider for Senior Adult Fitness using the Silver Sneakers Program. Cartersville Senior Fit is designed to create a fun and loving environment that encourages fitness, overall well-being, and relationships for aging adults in our community. Julie Schoomaker is the President of this program and will be leading it. Julie is a Cartersville resident that has over 15 years in the fitness industry and ten years teaching Silver Sneakers formatted classes. Cartersville Senior Fitness will give the City 10% of their gross registration fees including all of the non-resident fees back to the City.

Motion to approve the Cartersville Senior Fitness was made by Council Member Fox and seconded by Council Member Wren. Motion carried unanimously. Vote: 5-0.

4. GDOT Grant Funds for Airport

Dan Porta, Assistant City Manager stated The Cartersville-Bartow County Airport has been awarded \$2,730,000 in supplemental grant funds for runway safety improvements at the airport. These additional funds will allow the Airport Board to complete some safety improvements sooner than expected. Since the city is the entity used as the conduit for GDOT

grant funds, approval is needed by the City Council. It is recommended for approval to accept the grant award and to allow the Mayor and City Clerk to sign all grant related documents.

Motion to approve the GDOT Grant Funds for Airport was made by Council Member Roth and seconded by Council Member Fox. Motion carried unanimously. Vote: 5-0.

E. Bid Award/Purchases

1. Matthews Garage Vehicle Repair

Mr. Porta stated in July 2019, a city employee was involved in a vehicle accident where he was at fault. Recently, the invoice to repair the City pickup truck was paid and needs approval from City Council. The repair cost from Matthews Garage was \$10,744.98 and Travelers Insurance paid everything less the \$1,000 deductible. This invoice is recommended for Council approval.

Motion to approve the Matthews Garage Vehicle Repair was made by Council Member Hodge and seconded by Council Member Fox. Motion carried unanimously. Vote: 5-0.

2. Bartow County Radio System

Mr. Porta stated the City has received our third quarter 2019 invoice from Bartow County for the countywide radio system that is used by several departments in the city. The total amount due is \$11,520.36 and is recommended for your approval.

Motion to approve the Bartow County Radio System was made by Council Member Roth and seconded by Council Member Fox. Motion carried unanimously. Vote: 5-0.

Motion to add an item the agenda was made by Council Member Hodge and seconded by Council Member Roth. Motion carried unanimously. Vote: 5-0.

Added Item: Travelers Insurance Invoice

Mr. Porta stated two City employees were involved in an accident. The invoice from Travelers Insurance was \$27,229.95 and it is recommended for Council approval.

Motion to approve payment to Travelers Insurance was made by Council Member Roth and seconded by Council Member Fox. Motion carried unanimously. Vote: 5-0.

3. Everbridge Mass Communication System

Rebecca Bohlander stated this is for the annual renewal of Everbridge, our mass communication system. The cost is \$7,166.25. I ask for your approval on this item and to let the Mayor sign the agreement when received.

A motion to approve the Everbridge Mass Communication System was made by Council

Member Roth and seconded by Council Member Fox. Motion carried unanimously. Vote: 5-0.

4. Replacement Extrication Equipment on Engine 3

Chief Carter stated this is a request to replace Extrication Equipment on Engine 3 that has exceeded its life span and is not effective on modern vehicle construction. This is the 2nd year of a multi-year project. This is a single source to match the equipment that Mayor and Council approved for purchase in FY 2018-19.

A motion to approve Replacement Extrication Equipment on Engine 3 was made by Council Member Roth and seconded by Council Member Fox. Motion carried unanimously. Vote: 5-0.

5. WTP Valve Actuator Replacements

Sidney Forsyth, Water Department stated the Water Treatment Plant (WTP) Filter Rehabilitation Project is a key component of the FY 2019-2020 capital improvement budget. Work on the final filter has started and it is time to begin focusing on controls for the new filters. Within the controls scope of work are new valve actuator mechanisms.

In total, 45 EIM electronic valve actuators will be installed on various valves used to control filter function for the entire plant. Of the 45 actuators, 27 are new units replacing both pneumatic and electric actuators of various manufacture and age. This project will allow us to standardize on one brand of equipment thus simplifying maintenance and stocking of repair parts.

Bids were received on November 5, 2019 and publicly opened at WTP. Georgia Western, Inc. was the only bidder of six (6) registered plan holders. Georgia Western is the Georgia supplier of EIM products which is likely the reason no other bidders submitted a bid. Additionally, Georgia Western did not submit payment or performance bonds with their bid. This was evaluated by our engineer Wiedeman and Singleton Engineers (WSE) and the City Attorney. Because Georgia Western will self-perform the installation work and use no subcontractors, the lack of payment bond is a non-issue. The lack of a performance bond does present some risk. WSE has a history of working with Georgia Western and has found them to be a reputable company. Further, WSE recommends withholding payment until the actuators have been fully tested. After consulting with WSE and the City Attorney, I believe this is an acceptable risk that can be mitigated by withholding payment until the work is satisfactorily complete.

It is recommended for approval of the Georgia Western bid in the amount of \$233,503.20.

Motion to approve WTP Valve Actuator Replacements was made by Council Member Fox and seconded by Council Member Roth. Motion carried unanimously. Vote: 5-0.

6. Sewer Flow Monitoring

Mr. Forsyth stated during heavy rain events, flows at the Water Pollution Control Plant (WPCP) spike to over 30 million gallons per day (MGD) from their average of 8 MGD. The increase is a result of inflow and infiltration. Inflow is the intentional direction of rainwater to the sanitary sewer from gutters, sump pumps, drains, etc. Infiltration is rainwater or ground water which leaks into sewers from leaking manholes, cracked pipe and leaking joints. Regardless of the source, the result is non-revenue producing use of capacity in the sewer system and permit violations at the WPCP.

A quote was requested for performing a 90-day flow study at six (6) key locations from ADS. These locations will help determine which areas of the sewer collection system are most reactive to large rainfall events. This data will help prioritize which areas require further investigation and possible repair. ADS has proposed a cost of \$40,500 to perform the work. I recommend approval of their proposal.

Motion to approve the Sewer Flow Monitoring was made by Council Member Roth and seconded by Council Member Stepp. Motion carried unanimously. Vote: 5-0.

F. Other

1. Election Results

Meredith Ulmer, City Clerk stated the November 5, 2019 Election results have been submitted by the Bartow Board of Elections and the certification of the election results are recommended for Council approval.

Council Member Stepp made a motion to certify the election results from November 5, 2019 and the motion was seconded by Council Member Wren. Motion carried unanimously. Vote: 5-0.

Mayor Santini announced the Christmas parade begins this evening at 6pm.

After announcements a motion to adjourn the meeting was made by Council Member Wren and needing no second. Motion carried unanimously. Vote: 5-0.

Meeting Adjourned

/s/ _____
Matthew J. Santini
Mayor

ATTEST:

/s/ _____
Meredith Ulmer
City Clerk



City of Cartersville

**City Council Meeting
12/19/2019 7:00:00 PM
Recreation Advisory Board**

SubCategory:	Appointments
Department Name:	Administration
Department Summary Recommendation:	The Recreation Advisory Board has four members whose terms are expiring this year. The terms of Patrick Jones - Ward 2, Monique Hall - Ward 4, Ty Mitcham - Ward 6 and Rick Kollhoff - Mayor's appointee, will expire on December 31, 2019. All four members have stated they would like to continue serving. If these Board members are reappointed, the new term expiration of Wards 2, 4 and 6 members will be December 31, 2023. The new term expiration for the Mayor's appointee will be December 31, 2021.
City Manager's Remarks:	Your approval of the reappointments to the Rec Advisory Board is recommended.
Financial/Budget Certification:	
Legal:	
Associated Information:	



City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
Cartersville Development Authority

SubCategory:	Appointments
Department Name:	Administration
Department Summary Recommendation:	The Cartersville Development Authority has five members whose terms are expiring January 6, 2020. The five Authority members are Mike Fields, Tommy Strickland, Walter Mahone, Robert Dabbs and Ralph 'Sonny' Miller and have stated they would like to continue serving on the Authority. If these Authority members are reappointed, their new term expiration would be January 6, 2025 as these are 5-year terms.
City Manager's Remarks:	Your approval of the five authority members for another term on the Cartersville Development Authority is recommended.
Financial/Budget Certification:	
Legal:	
Associated Information:	



City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
Convention and Visitors Bureau

SubCategory:	Appointments
Department Name:	Administration
Department Summary Recommendation:	Tom Shinall and the Honorable Jeffrey Watkins serve on the CVB Board and their current terms will expire on December 31, 2019. They would like to continue serving and if reappointed, their new terms will expire on December 31, 2021.
City Manager's Remarks:	Your approval of Tom Shinall and the Honorable Jeffrey Watkins to continue their service on the CVB Board is recommended.
Financial/Budget Certification:	
Legal:	
Associated Information:	



City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
Bartow-Cartersville 2nd Joint Development Authority

SubCategory:	Appointments
Department Name:	Administration
Department Summary Recommendation:	The current terms of Malcolm Cooley and David Caswell, who currently serve on the Bartow-Cartersville 2nd Joint Development Authority, will expire on December 31, 2019. They would like to continue serving and if reappointed, their new terms will expire December 31, 2023.
City Manager's Remarks:	The reappointments of David Caswell and Malcolm Cooley are recommended for your approval.
Financial/Budget Certification:	
Legal:	
Associated Information:	



City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
Award Announcement

SubCategory:	Commendation/Recognition
Department Name:	Downtown Development Authority
Department Summary Recommendation:	The Northwest Georgia Travel Association held their annual legislative dinner on December 2nd. The Downtown Development Authority and Keep Bartow Beautiful were jointly awarded the "Tourism Product Development of the Year" award for the creation of the African American Heritage Trail of Bartow County.
City Manager's Remarks:	This is the second award that the African American Heritage Trail of Bartow County has received this year. This is a chance to recognize them for their outstanding program.
Financial/Budget Certification:	
Legal:	
Associated Information:	



City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
Statewide Mutual Aid Agreement for Georgia

SubCategory:	Contracts/Agreements
Department Name:	Fire
Department Summary Recommendation:	Respectfully request positive consideration for the updated version of the Statewide Mutual Aid Agreement for Georgia. This is a request of Bartow County Emergency Management on behalf of the Georgia Emergency Management Agency. All municipalities within Bartow County have been asked to execute this document. This document is updated every four years and our latest document was executed in 2016. This agreement is the basis for our ability to request aid during a time of disaster, assist others and is the vehicle used for the potential recovery of funds during mitigation and recovery if an incident is declared a disaster. There are no significant changes from our 2016 agreement. This document in no way is to be a movement away from the centralized decision authority of the Mayor during a disaster, but does provide an avenue as a backup if needed. Attached you will find the agreement as reviewed and approved by our legal staff and a resolution to support the mutual aid document. Your approval of this Mutual Aid Agreement is sought and to allow all required staff and City officials to sign the agreement.
City Manager's Remarks:	This has not been updated since 2016. Minor changes were made that allowed for required staff to sign the agreement with the Mayor who is still the primary signer and decision maker. Your approval is recommended.
Financial/Budget Certification:	N/A
Legal:	
Associated Information:	

STATEWIDE MUTUAL AID AND ASSISTANCE AGREEMENT

County/Municipality: Bartow / City of Cartersville

The State of Georgia is vulnerable to a wide range of natural and man-made disasters and emergencies. The Georgia Emergency Management Act, as amended (The Act) gives the local governments of the State the authority to make agreements for mutual aid assistance in emergencies. Pre-existing agreements for mutual aid assistance in emergencies help to ensure the timely provision of mutual aid assistance and the reimbursement of costs incurred by those parties who render such assistance.

This mutual aid agreement is entered pursuant to authorities contained in Articles I through III, Chapter 3, Title 38, Official Code of Georgia Annotated.

ARTICLE I STATEMENT OF AGREEMENT, DEFINITIONS AND AUTHORITIES

This Agreement is made and entered into between the participating political subdivisions, which approve and execute this Agreement, hereinafter called "Participating Parties" and the Georgia Emergency Management and Homeland Security Agency (GEMA/HS). For purposes of this Agreement, the following terms and expressions shall apply:

- (1) "Agreement" means this agreement, generally referred to as the "Statewide Mutual Aid Agreement" (SWMAA).
- (2) "Assistance" includes personnel, equipment, facilities, services, supplies and other resources furnished to a Requesting Party pursuant to this Agreement during an emergency or disaster.
- (3) "Assisting Party" means a party that provides assistance pursuant to this Agreement during an emergency or disaster.
- (4) "Authorized Representative" means a Participating Party's elected or appointed official or employee who has been authorized in writing by that party to request, to offer, or otherwise to provide mutual aid assistance.
- (5) "Participating Party" means a county or municipality of the State of Georgia that has become party to this Agreement by its approval and execution of this agreement.
- (6) "Participating Parties" means the combination of counties and municipalities that have become parties to this Agreement by their approval and execution of this Agreement.
- (7) "Requesting Party" means a party that requests assistance pursuant to this Agreement during an emergency or disaster.

Any term or expression not defined in this Agreement shall have the meaning specified in the Georgia Emergency Management Act, as amended (the Act) and rules promulgated thereunder, unless used in a context that clearly suggests a different meaning.

ARTICLE II GENERAL PURPOSE

The purpose of this Agreement is to:

1. Provide the framework to support mutual assistance in managing an emergency or disaster occurring within any political subdivision that is a Participating Party, whether arising from natural disaster, technological hazard, human caused disaster, civil emergency, community disorders, insurgency, enemy attack, acts of terrorism, other significant events or homeland security activity; and
2. Identify those persons who are authorized to act on behalf of the Participating Party signing this Agreement as their Authorized Representative(s) concerning the provision of mutual aid resources and requests for mutual aid resources related to any mutual aid assistance sought from another Participating Party, or from or through the State of Georgia. Appendix A of this Agreement shall contain the name(s) of the Participating Party's Authorized Representative for purposes of this Agreement. Appendix A can be amended by the authorizing Participating Party as needed with no effect on the entire Agreement. All such amendments to Appendix A shall be done in writing and the Participating Party shall notify GEMA/HS and all other Participating Parties of such amendment within thirty (30) days.

ARTICLE III ACKNOWLEDGEMENT OF PRINCIPLES

The prompt, full and effective utilization of resources of the Participating Parties, including any resources on hand or available from the State or Federal Government or any other source, that are essential to the safety, care and welfare of the people shall be the underlying principle on which all articles of this Agreement shall be understood.

In the event of a conflict between any provision of this Agreement and any existing intrastate mutual aid agreement affecting a Participating Party, the provisions of this Agreement shall be controlling.

On behalf of the governing authority of each political subdivision of this State participating in the Agreement, the director of emergency management of such political subdivision will be responsible for formulation of the appropriate mutual aid plans and procedures necessary to implement this Agreement.

ARTICLE IV PARTICIPATING PARTY RESPONSIBILITIES

(a) It shall be the responsibility of each Participating Party to formulate procedures and programs for intergovernmental cooperation in the performance of the responsibilities listed in this Article. In formulating such plans, and in carrying them out, each Participating Party, insofar as practical, shall:

- (1) Protect and assure uninterrupted delivery of services, medicines, water, food, energy and fuel, search and rescue, and critical lifeline equipment, services, and resources, both human and material; and

(2) Inventory and set procedures for the loan and delivery of human and material resources, together with procedures for reimbursement.

(b) Whenever a Participating Party requires mutual aid assistance from another Participating Party and/or the State of Georgia, the Requesting Party may request assistance by:

(1) Contacting the Participating Party who is the owner/operator/employer of the supplies, equipment and/or personnel being sought for mutual aid assistance (the Assisting Party); or

(2) Contacting GEMA/HS to serve as the facilitator of such request for those resources being sought for mutual aid that are owned/operated/employed by Participating Parties (where such Participating Parties have submitted a record of those resources to GEMA/HS for such use); and/or, when such resources being sought for mutual aid are owned/operated/employed directly by the State of Georgia.

The provisions of this Agreement shall only apply to requests for assistance made by an Authorized Representative. Requests may be verbal or in writing. If verbal, the request must be confirmed in writing within 30 days of the verbal request. Requests shall provide the following information:

(1) A description of the emergency service function for which assistance is needed, such as but not limited to fire services, law enforcement, emergency medical, transportation, communications, public works and engineering, building inspection, planning and information assistance, mass care, resource support, health and medical services, damage assessment, volunteer and donated goods and search and rescue; and

(2) The amount and type of personnel, equipment, materials and supplies needed, and a reasonable estimate of the length of time each will be needed; and

(3) The specific place and time for staging of the Assisting Party's response and a point of contact at that location.

The Assisting Party will (a) maintain daily personnel time records, material records and a log of equipment hours (or miles, if appropriate) and (b) report work progress to the Requesting Party at mutually agreed upon intervals.

ARTICLE V LIMITATIONS

Any Participating Party requested to render mutual aid shall take such action as is necessary to provide and make available the resources covered by this Agreement in accordance with the terms hereof; provided that it is understood that the Participating Party who is asked to render aid may withhold resources to the extent necessary to meet the current or anticipated needs of the Participating Party's own political subdivision to remain in compliance with such Participating Party's policy, rule or law.

The Assisting Party's mutual aid resources will continue under the command and control of their own

supervisors, but the organizational units will be under the operational control of the emergency services authorities of the Requesting Party unless the Assisting Party approves an alternative.

In the event the Governor should declare a State of Emergency, any and all provisions of this Agreement which may conflict with the declared State of Emergency shall be superseded by the terms and conditions contained within the State of Emergency.

ARTICLE VI LIABILITY AND IMMUNITY

(a) In accordance with O.C.G.A. § 38-3-35(a), no political subdivision of the state, nor the agents or representatives of the state or any political subdivision thereof, shall be liable for personal injury or property damage sustained by any person appointed or acting as a volunteer emergency management worker or member of any agency engaged in emergency management activity. The foregoing shall not affect the right of any person to receive benefits or compensation to which he might otherwise be entitled under Chapter 9 of Title 34, Code Section 38-3-30, any pension law, or any act of Congress.

(b) In accordance with O.C.G.A. § 38-3-35(b), no political subdivision of the state nor, except in cases of willful misconduct, gross negligence, or bad faith, the employees, agents, or representatives of the state or any political subdivision thereof, nor any volunteer or auxiliary emergency management worker or member of any agency engaged in any emergency management activity complying with or reasonably attempting to comply with Articles 1 through 3, Chapter 3, Title 38, Official Code of Georgia Annotated; or any order, rule, or regulation promulgated pursuant to Articles 1 through 3 of title, or pursuant to any ordinance relating to precautionary measures enacted by any political provisions of Articles 1 through 3 of said chapter and title, or pursuant to any ordinance relating to precautionary measures enacted by any political subdivision of the state shall be liable for the death of or the injury to person or for damage to property as a result of any such activity.

(c) It is the express intent of the parties that the immunities specified in accordance with O.C.G.A. § 38-3-35 shall apply in addition to any other immunity provided by statute or case law.

ARTICLE VII RIGHTS AND PRIVILEGES

In accordance with O.C.G.A. § 38-3-30(a), whenever the employees of any Assisting Party or political subdivision are rendering outside aid pursuant to this agreement and the authority contained in Code Section 38-3-27, the employees shall have the same powers, duties, rights, privileges and immunities as if they were performing their duties in the political subdivisions in which they are normally employed.

ARTICLE VIII REIMBURSEMENT

In accordance with O.C.G.A. § 38-3-30(b), The Requesting Party shall be liable for any loss of or damage to equipment used or placed within the jurisdiction of the Requesting Party and shall pay any expense incurred in the operation and maintenance thereof. No claim for the loss, damage or expense shall be allowed unless, within 60 days after the same is sustained or incurred, an itemized notice of

the claim under oath is served by mail or otherwise upon the designated fiscal officer of the Requesting Party. Appendix B of this Agreement shall contain the name(s) of the Participating Party's designated fiscal officer for purposes of this Agreement. Appendix B can be amended by the authorizing Participating Party as needed with no effect on the entire Agreement. Appendix B can be amended by the authorizing Participating Party as needed with no effect on the entire Agreement. All such amendments to Appendix B shall be done in writing and the Participating Party shall notify GEMA/HS and all other Participating Parties of such amendment within thirty (30) days.

The Requesting Party shall also pay and reimburse the Assisting Party for the compensation paid to employees furnished by the Assisting Party during the time of the rendition of the aid, as well as the actual travel and per diem expenses of such employees while they are rendering the aid. The reimbursement shall include any amounts paid or due for compensation due to personal injury or death while the employees are engaged in rendering the aid. The term "employee," as used herein, shall mean, and this provision shall apply with equal effect to, paid, volunteer and auxiliary employees and emergency management workers.

Expenses to be reimbursed by the Requesting Party shall include the following:

- (1) Labor costs, which shall include all usual wages, salaries, compensation for hours worked, mobilization and demobilization, the Assisting Party's portion of payroll taxes (as employer), insurance, accrued paid leave and other fringe benefits, but not those amounts paid or due as a benefit to the Assisting Parties personnel under the terms of the Georgia Workers Compensation Act; and
- (2) Equipment costs, which shall include the fair rental value, the cost of fuel and other consumable supplies, service and repairs. If the equipment is damaged while in use under this Agreement and the Assisting Party receives payment for such damage under any contract for insurance, the Requesting Party may deduct such payment from any item or items invoiced; and
- (3) Material costs, which shall include the total reasonable cost for the use and consumption of any and all consumable supplies delivered by the Assisting Party for the benefit of the Requesting Party; and
- (4) Meals, lodging and other related expenses, which shall include charges for meals, lodging and other expenses relating to the provision of assistance pursuant to this Agreement shall be the actual and reasonable costs incurred by the Assisting Party.

The Assisting Party shall maintain records and submit invoices within 60 days for reimbursement as specified hereinabove and the Requesting Party shall pay the invoice no later than 30 days following the invoice date.

ARTICLE IX IMPLEMENTATION

This Agreement shall become operative immediately upon its approval and execution by GEMA/HS and any two political subdivisions of this State; thereafter, this Agreement shall become effective as to any other political subdivision of this State upon its approval and execution by such political subdivision.

Any Participating Party may withdraw from this Agreement by mailing notice of withdrawal, approved by the governing authority of such political subdivision, but no such withdrawal shall take effect until 30 days after the governing authority of the withdrawing political subdivision has given notice in writing of such withdrawal to the governing authorities of all other Participating Parties. Such action shall not relieve the withdrawing political subdivision from obligations assumed hereunder prior to the effective date of withdrawal.

Copies of this Agreement shall, at the time of their approval, be deposited with each of the respective Participating Parties and with GEMA/HS.

ARTICLE X TERM OF AGREEMENT

This Agreement, once executed, is valid until March 1, 2024. Agreement of the Participating Parties to extend the term of this agreement at any time during the last year of its original term or the last year of any subsequent four-year term shall extend the term of this agreement for four years. Each four-year extension shall constitute a separate agreement.

ARTICLE XI VALIDITY

If any provision of this Agreement is declared unconstitutional, or the applicability thereof to any person or circumstances is held invalid, the constitutionality of the remainder of this Agreement and the applicability thereof to other persons and circumstances shall not be affected thereby.

Agreed:

Matt Santini, Mayor

Chief Executive Officer / Mayor - Signature

Chief Executive Officer/ Mayor – Print Name

County/Municipality: Bartow / Cartersville

ATTEST:/s/ _____ Meredith Ulmer, City Clerk
City of Cartersville, Georgia

Date: ____/____/____

GEMA/HS Director – Signature

GEMA/HS Director – Print Name

Date: ____/____/____

APPENDIX A
AUTHORIZED REPRESENTATIVE

The below named individual(s), in addition to the chief executive officer, is/are the “Authorized Representative(s)” for Bartow / City of Cartersville (county/municipality), and are authorized

to request, offer, or otherwise provide and coordinate mutual aid assistance on behalf of the above-named county/municipality:

Tamara Brock	City Manager
Print Name	Job Title/Position

Signature of Above Individual

Scott Carter	Fire Chief
Print Name	Job Title/Position

Signature of Above Individual

Tommy Sanders	Director Public Works
Print Name	Job Title/Position

Signature of Above Individual

Frank McCann	Chief of Police
Print Name	Job Title/Position

Signature of Above Individual

Date: _____/_____/_____

Chief Executive Officer - Signature

Mayor Matt Santini
Chief Executive Officer – Print Name

APPENDIX B
DESIGNATED FISCAL OFFICER(S)

The below named individual(s) is/are the “designated fiscal officer(s)” for Bartow / City of Cartersville
(county/municipality) for the purpose of reimbursement sought for mutual aid:

Tamara Brock

City Manager

Print Name

Job Title/Position

Signature of Above Individual

Print Name

Job Title/Position

Signature of Above Individual

Print Name

Job Title/Position

Signature of Above Individual

Chief Executive Officer - Signature

Date: _____/_____/_____

Mayor Matt Santini

Chief Executive Officer – Print Name

RESOLUTION NO. _____

WHEREAS, the Mayor and City Council deems that it is in the best interest of the City of Cartersville and promotes its citizens general health, safety, and welfare to participate in the State Mutual Aid Agreement under the Georgia Emergency Management Act for Bartow County;

WHEREAS, Bartow County has requested that the City of Cartersville enter into the Mutual Aid Agreement with Bartow County, participating cities, and the Georgia Emergency Management Agency/Homeland Security.

NOW THEREFORE BE IT AND IT IS HEREBY RESOLVED by the Mayor and City Council of Cartersville that The Statewide Mutual Aid Agreement for Bartow County attached hereto as Exhibit "A" is hereby approved and the Mayor and City Clerk are hereby authorized to execute said agreement. Furthermore, the authorized representative in addition to the Mayor for said agreement shall be the City Manager, Fire Chief, Police Chief and Public Works Director and their duly appointed successors. Additionally, the City Manager, and their successor is hereby appointed the Fiscal Officer for said agreement.

BE IT AND IT IS HEREBY RESOLVED this ____ day of December 2019.

/s/_____
Matthew J. Santini, Mayor
City of Cartersville, Georgia

ATTEST:

/s/_____
Meredith Ulmer, City Clerk
City of Cartersville, Georgia



City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
James R. Stafford Donation

SubCategory:	Resolutions
Department Name:	Administration
Department Summary Recommendation:	James R. Stafford has requested that, based on the sales price of the property conveyed to the City, and the price of the property across the street, that we acknowledge that he donated the difference on per acre value. A resolution to do so is attached for your consideration.
City Manager's Remarks:	Mr. Stafford contacted Archer and Lovell after the sell of the property to ask Council to approve a donation request on the price difference. The resolution is attached for your consideration.
Financial/Budget Certification:	
Legal:	
Associated Information:	

RESOLUTION NO: _____**A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF CARTERSVILLE, IN THE STATE OF GEORGIA, ACKNOWLEDGING DONATION BY JAMES R. STAFFORD**

WHEREAS, on November 22, 2019, James R. Stafford conveyed to the City of Cartersville, parcel E009-005-003, PER THE Bartow County Tax Assessor's Records for Ten Thousand and No/100 (\$10,000.00) Dollars. Said property contained 1.23 acres that resulted in a price of \$8,130.00 per acre; and

WHEREAS, on October 4, 2019, James R. Stafford sold 1.5 acres across Highway 41 for \$190,000.00, which is \$126,666.66 per acre; and

WHEREAS, James R. Stafford has requested that the City of Cartersville acknowledge the difference in per acre value between the properties as a donation; and

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF CARTERSVILLE, IN THE STATE OF GEORGIA, AS FOLLOWS:

that the City of Cartersville acknowledges that James R. Stafford donated \$118,536.66 per acres in the above-referenced transaction to the City of Cartersville.

BE IT AND IT IS HEREBY RESOLVED AND ADOPTED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF CARTERSVILLE, this ____ day of _____, 20____.

ATTEST:

/s/ _____
Meredith Ulmer, City Clerk
City of Cartersville, Georgia

/s/ _____
Matthew J. Santini, Mayor
City of Cartersville, Georgia

ARCHER & LOVELL, P.C.

ATTORNEYS AT LAW
336 S. TENNESSEE STREET
P. O. BOX 1024
CARTERSVILLE, GEORGIA 30120

David G. Archer
E. Keith Lovell

(770) 386-1116
Fax (770) 382-7484

MEMORANDUM

TO: Mayor & City Council
FROM: E. Keith Lovell, Assistant City Attorney
DATE: December 13, 2019
RE: Donation Acknowledgment

James R. Stafford has requested that, based on the sales price of the property conveyed to the City, and the price of the property across the street, that we acknowledge that he donated the difference on per acre value. A resolution to do so is attached for your consideration.



City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
Watershed Protection Plan

SubCategory:	Resolutions
Department Name:	Water Department
Department Summary Recommendation:	Rindt-McDuff and Associates (RMA) has completed the development of our Watershed Protection Plan (WPP) which is a requirement of the new wastewater discharge permit. Prior to approval of the plan, the Georgia Environmental Protection Division (EPD) requires a resolution be passed in which the City obligates itself to implement the plan. This resolution states the City's intention to do so and is a required element of the plan approval process.
City Manager's Remarks:	The resolution states the City's intention to implement the plan and is a part of the EPD approval process. Your approval is recommended.
Financial/Budget Certification:	
Legal:	
Associated Information:	

RESOLUTION NO: _____**A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF CARTERSVILLE, IN THE STATE OF GEORGIA, ADOPTING A WATERSHED PROTECTION PLAN**

WHEREAS, the City of Cartersville (“City”) is required to adopt a Watershed Protection Plan (“WPP”) that provides for comprehensive documentation of the City’s existing and planned strategies to reduce polluted stormwater runoff, and improve the water quality and biological integrity of local streams; and

WHEREAS, the WPP is a regulatory requirement set forth by the Georgia Environmental Protection Division (“GA EPD”) to enable the continued operation of the City of Cartersville Wastewater Pollution Control Plant NPDES Permit Number GA0024091, effective March 1, 2018 through February 28, 2023; and

WHEREAS, GA EPD has informed the City that failure to implement an effective WPP will result in a violation of current NPDES permits and/or denial of authorization of future water supply and wastewater permit requests; and

WHEREAS, the City and its consultant Rindt-McDuff Associates, Inc., have completed a comprehensive review of its existing and future planned strategies to reduce polluted stormwater runoff and improve water quality and biological integrity of local streams; and

WHEREAS, as a result of said review, the City Water and Sewer Superintendent recommends to the Mayor and City Council that the City adopt and enforce the Watershed Protection Plan prepared by Rindt-McDuff Associates, Inc. dated November 2019; and

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF CARTERSVILLE, IN THE STATE OF GEORGIA, AS FOLLOWS:

that the Watershed Protection Plan prepared by Rindt-McDuff Associates, Inc., dated November 2019, attached hereto and incorporated herein as Exhibit “A,” as may be amended from time to time, is hereby adopted by the Mayor and City Council of the City of Cartersville, and is to be implemented as provided therein.

BE IT AND IT IS HEREBY RESOLVED AND ADOPTED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF CARTERSVILLE, this ____ day of _____, 20____.

ATTEST:

/s/ _____
Meredith Ulmer, City Clerk
City of Cartersville, Georgia

/s/ _____
Matthew J. Santini, Mayor
City of Cartersville, Georgia



City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
WTP – Filter Controls Integration

SubCategory:	Bid Award/Purchases
Department Name:	Water Department
Department Summary Recommendation:	On December 6, 2018, Council approved the Water Treatment Plant (WTP) Filters 1-3 & 7 Rehabilitation Project. Work on this project is progressing according to schedule. It is now time to begin the filter control system integration. MR Systems (MR) designed the current Supervisory Control and Data Acquisition (SCADA) system that monitors and controls vital plant functions. This computer system is critical to plant functionality. MR has been our exclusive vendor for this work for decades due to their knowledge of our system and the ability to get the plant up and operational in a timely manner. We have elected to contract directly with MR as a sole source provider for this project to avoid the subcontractor mark-up which would be added by our general contractor. On this project, that is a savings of approximately \$85,000. MR has provided the attached cost proposal for \$570,418. Wiedeman and Singleton Engineers (WSE) has reviewed the proposal and has provided the attached letter of recommendation. I agree with their assessment and recommend approval of the MR proposal.
City Manager's Remarks:	This is a budgeted project and funded through the 2018 Revenue Bond. Your approval of the MR integration proposal is recommended.
Financial/Budget Certification:	This budgeted project is funded with proceeds from the 2018 Revenue Bond. All expenses for the project will pass through account 505.3310.54.1317 Rehab Sand Filters 1-3 & 7.
Legal:	
Associated Information:	

WIEDEMAN AND SINGLETON, INC.

CIVIL AND ENVIRONMENTAL ENGINEERS

TROY BEGAN
PETER JOHNS
CARL SCHNEIDER3091 GOVERNORS LAKE DRIVE
SUITE 430
NORCROSS, GEORGIA 30071PETER SNYDER
HAROLD WIEDEMAN131 EAST MAIN STREET
SUITE 300
ROCK HILL, SOUTH CAROLINA 29730

WWW.WIEDEMAN.COM

December 5, 2019

Mr. Bob Jones
Director – Cartersville Water Department
City of Cartersville
P.O. Box 1390
148 Walnut Grove Road
Cartersville, GA 30120Re: Water Treatment Plant Filter Controls Upgrades
MR Systems Proposals - Recommendation
City of Cartersville, GA
W&S Project #027-16-124

Dear Mr. Jones:

Two proposals were received from MR Systems on September 6, 2019, for the Water Treatment Plant Filters Controls Upgrades. We recommend acceptance of the proposal for Upgrades to Filters 7 to 9 immediately. We recommend acceptance of the proposal for Upgrades to Filters 1-6 pending substantial, successful completion of the work in the first proposal.

The total of the proposals is less than our opinion of cost for the project (\$622,800 - attached). It is our opinion that MR Systems is uniquely qualified to provide these services because MR Systems designed the existing SCADA system, which they maintain and support in a satisfactory manner.

The scope of work included in these proposals consists of engineering services, materials, installations by an electrical sub-contractor for the complete replacement of the filter control consoles, upgrades to the plant's SCADA system, and upgrades to the wireless communications between the electrical valve operators, flow rate controllers, and filter control panels. Control upgrades for the operations of the individual filters will be implemented from the main SCADA workstation and any of the individual SCADA HMI filter console pedestals. The scope of work includes provisions to ensure that only one filter is out of service at any given time.

We have attached two proposals; one for the upgrades to Filters 7 to 9 with upgrades to the existing SCADA system, the other for upgrades to the controls of Filters 1 to 6. The upgrades were divided into these two proposals to give the City the flexibility of installing and testing the new controls in Filters 7 to 9, before making the upgrades to the remaining filters. The proposals received were as follows:

1. Upgrades to Filters 7 - 9	\$265,842.00
2. Upgrades to Filters 1 - 6	\$304,576.00
Total for both proposals:	<u>\$570,418.00</u>

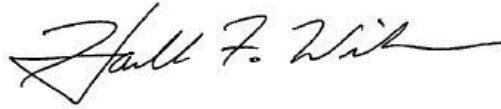
Mr. Bob Jones
December 5, 2019
Page 2

Each proposal was based on using aluminum conduits but included an optional additional cost for using PVC coated conduits. We recommend that the City decline the PVC option.

If you have any questions or need any additional information, please feel free to call.

Sincerely,

WIEDEMAN AND SINGLETON, INC.

A handwritten signature in black ink, appearing to read "Harold F. Wiedeman". The signature is fluid and cursive, with a long horizontal stroke at the end.

Harold F Wiedeman, P. E.

Enclosures

CARTERSVILLE WTP
FILTERS CONTROLS REHAB
OPTION #1 (Wireless)
OPINION OF COST
CITY OF CARTERSVILLE
CARTERSVILLE,GA

UPDATED - 11/30/2018

ITEM NO.	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	TOTAL ITEM COST
<u>DIVISION 00 - PROCUREMENT & CONTRACTING REQUIREMENTS:</u>					
1	MOBILIZATION, BONDS, INSURANCE AND PERMITTING	LS	1	\$ -	\$ -
				Sub-Total	\$ -
<u>DIVISION 01 - GENERAL REQUIREMENTS</u>					
1.1	Contractor Administration Costs	LS	1	\$ -	\$ -
1.2	Contractor Site Overhead	EA	12	\$ -	\$ -
				Sub-Total	\$ -
<u>DIVISION 02 - EXISTING CONDITIONS</u>					
2.1	Mechanical Demolition	LS	1	\$ -	\$ -
2.2	Structural Demolition	LS	1	\$ -	\$ -
2.3	Electrical Demolition	LS	1	\$ 15,000.00	\$ 15,000.00
				Sub-Total	\$ 15,000.00
<u>DIVISION 03 - CONCRETE</u>					
3.1	Concrete Slabs (Old Filter Console Openings)	CY	10	\$ 1,750.00	\$ 17,500.00
3.2	Quarry Tile & Grout	SF	100	\$ 25.00	\$ 2,500.00
3.3				\$ -	\$ -
				Sub-Total	\$ 20,000.00
<u>DIVISION 05 - METALS</u>					
3.1				\$ -	\$ -
				Sub-Total	\$ -
<u>DIVISION 09 - FINISHES & PAINTING</u>					
9.1				\$ -	\$ -
				Sub-Total	\$ -
<u>DIVISION 23 - HVAC</u>					
23.1				\$ -	\$ -
				Sub-Total	\$ -
<u>DIVISION 26 - ELECTRICAL & Instrumentation</u>					
26.1	MR Systems (1 FCPs, 9 Pedestals)	LS	1	\$ 200,000.00	\$ 200,000.00
26.2	Conduits, Wire, and Devices Installation (Electrician)	LS	1	\$ 75,000.00	\$ 75,000.00
26.3	Blower Controls Integration	LS	1	\$ 25,000.00	\$ 25,000.00
26.2	Wireless Transmitter at Valve Operator	EA	46	\$ 4,000.00	\$ 184,000.00
				Sub-Total	\$ 484,000.00
<u>DIVISION 40 - PROCESS INTERCONNECTIONS</u>					
40.1				\$ -	\$ -
40.2				\$ -	\$ -
				Sub-Total	\$ -
<u>DIVISION 46 - WATER & WASTEWATER EQUIPMENT</u>					
46.1		LS	1	\$ -	\$ -
				Sub-Total	\$ -
SUB-TOTAL ESTIMATED COST					\$ 519,000.00
<u>CONTINGENCY:</u>					
1	Contingency	LS	20%	\$ 103,800.00	\$ 103,800.00
				Sub-Total	\$ 103,800.00
TOTAL ESTIMATED COST					\$ 622,800.00

CARTERSVILLE WTP
FILTERS CONTROLS REHAB
OPTION #2 (Hardwired)
OPINION OF COST
CITY OF CARTERSVILLE
CARTERSVILLE,GA

UPDATED - 11/30/2018

ITEM NO.	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	TOTAL ITEM COST
<u>DIVISION 00 - PROCUREMENT & CONTRACTING REQUIREMENTS:</u>					
1	MOBILIZATION, BONDS, INSURANCE AND PERMITTING	LS	1	\$ -	\$ -
				Sub-Total	\$ -
<u>DIVISION 01 - GENERAL REQUIREMENTS</u>					
1.1	Contractor Administration Costs	LS	1	\$ -	\$ -
1.2	Contractor Site Overhead	EA	12	\$ -	\$ -
				Sub-Total	\$ -
<u>DIVISION 02 - EXISTING CONDITIONS</u>					
2.1	Mechanical Demolition	LS	1	\$ -	\$ -
2.2	Structural Demolition	LS	1	\$ -	\$ -
2.3	Electrical Demolition	LS	1	\$ 15,000.00	\$ 15,000.00
				Sub-Total	\$ 15,000.00
<u>DIVISION 03 - CONCRETE</u>					
3.1	Concrete Slabs (Old Filter Console Openings)	CY	10	\$ 1,750.00	\$ 17,500.00
3.2	Quarry Tile & Grout	SF	100	\$ 25.00	\$ 2,500.00
3.3				\$ -	\$ -
				Sub-Total	\$ 20,000.00
<u>DIVISION 05 - METALS</u>					
3.1				\$ -	\$ -
				Sub-Total	\$ -
<u>DIVISION 09 - FINISHES & PAINTING</u>					
9.1				\$ -	\$ -
				Sub-Total	\$ -
<u>DIVISION 23 - HVAC</u>					
23.1				\$ -	\$ -
				Sub-Total	\$ -
<u>DIVISION 26 - ELECTRICAL & Instrumentation</u>					
26.1	MR Systems (9 FCPs & 3 Pedestals)	LS	1	\$ 250,000.00	\$ 250,000.00
26.2	Conduits, Wire, and Devices Installation (Electrician)	LS	1	\$ 220,000.00	\$ 220,000.00
26.3	Blower Controls Integration	LS	1	\$ 25,000.00	\$ 25,000.00
26.2				\$ -	\$ -
				Sub-Total	\$ 495,000.00
<u>DIVISION 40 - PROCESS INTERCONNECTIONS</u>					
40.1				\$ -	\$ -
40.2				\$ -	\$ -
40.10				\$ -	\$ -
				Sub-Total	\$ -
<u>DIVISION 46 - WATER & WASTEWATER EQUIPMENT</u>					
46.1		LS	1	\$ -	\$ -
				Sub-Total	\$ -
SUB-TOTAL ESTIMATED COST					\$ 530,000.00
<u>CONTINGENCY:</u>					
1	Contingency	LS	20%	\$ 106,000.00	\$ 106,000.00
				Sub-Total	\$ 106,000.00
TOTAL ESTIMATED COST					\$ 636,000.00

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 7-9)
 MR Quote #:Q19-3866, Rev. 3a



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
-----	----------	-------------

MR Systems, Inc. is pleased to offer our services for the Cartersville Water Treatment Plant Filter Controls Upgrades Project.

SCOPE of WORK

MR Systems will provide the following engineering services and associated materials as explicitly detailed below. Including Electrical and Integration / Control sub-scopes.

Please Note: All new valve actuators or modifications to existing actuators will be by others. MR Systems & Pat Kelley Electrical understand that any modifications to the valve actuators to provide fused 120VAC power for the Phoenix Contact Radioline units mounting on the actuators will be completed by Georgia Western prior to installation.

Control Understanding

Operations of the individual filters will be from the main SCADA workstation in the lab and any of the individual SCADA HMI filter console pedestals. Each filter will be programmed for manual valve operation by the Operations personnel. No programming for an automatic backwash is included. Automatic control of the filter effluent valves will be based on the common settled water flume level. Operation of the Air Scour Blower will be by pre-selected levels of Low, Medium and High in the MCC. Automatic control of the Backwash Flow will be by a flow setpoint entered by Operations personnel.

Electrical Scope of Supply by Pat Kelly Electric (Filters 7-9)

Price Includes:

- Electrical Permit, and Sales Tax
- Install Grounding per plans
- Furnish & Install (3) Stainless Steel 480V Distribution Panels per plans
- Furnish & Install Conduit and Wiring per plans
- Aluminum Conduit (See Adder Below for PVC Coated Option)
- XHHW Copper Conductors for all wiring per plans
- Mount and Install Panels and Electrical Equipment Furnished by Others
- Install radio transmitters on valves per plans (Furnished by Others)
- Install Temporary Power and Controls as needed to keep filters operational

Price Excludes:

- Installing Concrete Pads or Patching Concrete floor under old consoles
- Not responsible for any instrumentation such as pressure switches, pressure transmitters, floats, or flow meter, etc.
- Furnishing or Installing New Valves
- Furnishing New Consoles or Pedestals
- Furnishing Scada System or RTU

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 7-9)
 MR Quote #:Q19-3866, Rev. 3a



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
		- Any Work on Existing Scada System - Furnishing or Installing Antenna, Antenna Cable, Antenna Pole, or Antenna Tower - Disposal of Waste Materials. - Performance Bond - Painting of any Kind - Arc Flash Study - Any Additional Engineering or Providing Engineered Drawings
1	REV.3	<u>Simultaneous Operation (Old and New Systems)</u> Upon Completion of initial Filter upgrade phase (Filter upgrades 7-9) MR Systems, Inc. will ensure all nine filters will operate together as a single unit. <u>MR Systems' Scope of Supply (Filters 7-9)</u>
1		<u>Filters No. 7 - No. 9 Control Panel</u> Enclosure Size: 48" H x 36" W x 12" D Enclosure Rating & Materials: NEMA 4X, #304 Stainless Steel Solar Heat Protection: Not Included PLC: Allen-Bradley CompactLogix Available I/O: 16 DI, 16 DO, 16 AI, 0 AO Wired I/O: 12 DI, 16 DO, 12 AI, 0 AO AC Power Backup: AC UPS Communications: Phoenix Contact Radioline (Redundant) Operator Interface Terminal: Not Included Standard Features: AC Power Surge Protector LED Light Fixture (mounts in top of panel) GFI Utility Outlet RTU Door Limit Switch Digital I/O Surge Protection: Indicating Interposing Relays Analog I/O Surge Protection: MR Kamikaze II Analog Surge Protector Miscellaneous Options: 3-point Door Latch, Pad lockable Ethernet Switch, Lite Managed, 8-port, 10/100 MB
1		<u>Filter No. 7 Filter Console Pedestal</u> 23" Hope Industrial Touchscreen Display & Pedestal System Industrial PC, Intel i3, 8GB Ram, Windows 10 Pro Wonderware InTouch 2017 Runtime 1K Tag with I/O <u>Filter No. 7 Valve Telemetry</u> Influent Valve
1		Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O channels, NEMA 4X enclosure, antenna, 120VAC

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 7-9)
 MR Quote #:Q19-3866, Rev. 3a



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
1		Drain Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Effluent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Backwash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Rewash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		<u>Filter No. 8 Filter Console Pedestal</u> 23" Hope Industrial Touchscreen Display & Pedestal System Industrial PC, Intel i3, 8GB Ram, Windows 10 Pro Wonderware InTouch 2017 Runtime 1K Tag with I/O
		<u>Filter No. 8 Valve Telemetry</u>
1		Influent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Drain Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Effluent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Backwash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Rewash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		<u>Filter No. 9 Filter Console Pedestal</u> 23" Hope Industrial Touchscreen Display & Pedestal System Industrial PC, Intel i3, 8GB Ram, Windows 10 Pro

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 7-9)
 MR Quote #:Q19-3866, Rev. 3a



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
		Wonderware InTouch 2017 Runtime 1K Tag with I/O
		<u>Filter No. 9 Valve Telemetry</u>
1		Influent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Drain Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Effluent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Backwash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Rewash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		<u>Existing SCADA HMI Upgrades & Modifications</u>
		- Upgrade the existing SCADA workstation to Wonderware InTouch 2017
		- Upgrade the existing Historian to Historian 2017 & Wonderware Historian Client 2017
		- Incorporate new filter graphics and application into the existing plant SCADA system.
		- Modify existing reports to incorporate any new filter data.
		<u>Main Control Panel Modifications</u>
1		- Add Settled Water Flume Level I/O - Add Plant Backwash Valve I/O - Add Plant Backwash Flow I/O

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 7-9)
 MR Quote #:Q19-3866, Rev. 3a



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
1		- Upgrade the Ethernet Switch from a 5-port Unmanaged switch to a 10-port Lite Managed switch. - Programming changes will be made in the Main Control Panel PLC to control the Plant Backwash Control Valve as described in the Control Understanding section above. Coordination with plant personnel will be needed during the transitioning period.
1		<u>LCP-FILT Modification</u> - Analog Signal Splitter, terminals, power supply, fuse, etc. - Programming changes will be made in the Main Control Panel PLC to control the transitioned filter effluent valves as described in the Control Understanding section above. Coordination with plant personnel will be needed during the transitioning period. <u>Air Scour Control Panel Modifications</u> - MR Systems will coordinate the transfer of air scour blower wires from the old filter consoles to the new Filter Control Panels. - Programming will be provided in the Filter Control Panel PLCs to control the blower for transitioned filters. Coordination with plant personnel will be needed during the transitioning period.
1		<u>Phoenix Contact Spares</u> Qty. (4) - Phoenix Contact Radioline - 270877 - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC Qty. (0) - Phoenix Contact - 2901540 - RAD-900-IFS,Bidirectional, Radioline 900 MHz transceiver for wireless transmission of serial and I/O data (Installed in the PLC panels in a redundant configuration) Qty. (1) - Phoenix Contact - 2903263 - RAD-PIG-RSMA/N-0.5, Antenna cable 0.5 m in length N (male) - RSMA (male) impedance 50 ohms Qty. (1) - Phoenix Contact - 2904802 - RAD-900-ANT-OMNI-2-N,2 dBi omnidirectional antenna with base plate and N (female) connection for 900 MHz Qty. (1) - Phoenix Contact - 1062423 - GW EIP/MODBUS 1E/2DB9,The GW EIP/MODBUS... enables two-way communication between Ethernet/IP™ and Modbus protocols. Includes one RJ45 port and two D-SUB 9 ports. Qty. (1) - Phoenix Contact - 2799474 - RS-232 cable, 9-pos. SUB-D female connector 9-pos on D-SUB female connector Qty. (1) - Phoenix Contact - 2903447 - RAD-CABLE-USB, USB data cable (USB-A on IFS plug) for communicating between PCs and PHOENIX CONTACT devices with an IFS data port, e.g., RAD-2400-IFS. Power supply for diagnostics & configuration via the USB port of the PC. Cable length: 2 m Qty. (1) - Phoenix Contact - 2702122 - RAD-900-CONF-RF1,Randomly-generated, pre-configured CONFSTICK for easy and secure network addressing of a RAD-900-IFS wireless module.

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 7-9)
 MR Quote #:Q19-3866, Rev. 3a



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
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1

Phoenix Contact Training

Qty. (2 - 8-Hour Sessions) - Phoenix Contact - One to be held near project startup/acceptance and one to be held at a time approximately 6 months after acceptance.

Project Labor

One Lot	Project Engineering, Electrical Design, Mechanical Design, Drafting & Administrative Labor (including Travel & Living expenses) as required to perform final system design and to prepare Submittals and Record Drawings as required by the Contract Documents.
One Lot	HMI Software Applications Development & Graphics Design Labor (including Travel & Living expenses) as required by the Contract Documents.
One Lot	PLC Control Strategy Design & Programming Labor (including Travel & Living expenses) to be performed as required by the Contract Documents.
One Lot	Field Service (including Travel & Living expenses) to provide installation supervision calibrations, startup, training, etc. as required by the Contract Documents. This includes a minimum of 3 separate trips for the startup of the Filters 7-9 Filter Control Panel and each Filter Console Pedestal.
One Lot	Electrical Installation or Terminations (including Travel & Living expenses) to provide installation of conduit, wire, etc. as required by the Contract Documents. - via Patrick Kelly Electric, Inc.
1 Year	Onsite Comprehensive Warranty (including Travel & Living expenses)
One Lot	Freight

Subtotal of Labor and Materials: \$265,842

State Sales Tax - NOT INCLUDED: \$

Total Project Cost: \$265,842

PVC Coated Conduit Add: \$53,000

General Notes:

- A *** Sales Representation ***
 William Kelly of MR Systems, Inc. is our local Sales Engineer. William may be reached at 678-325-2817 (Office) or 770-871-9302 (Cell).
- B *** Technical Questions ***
 For technical or scope of supply questions contact William Kelly of MR Systems, Inc. William may be reached at 678-325-2817 (Office) or 770-871-9302 (Cell).

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 7-9)
 MR Quote #:Q19-3866, Rev. 3a



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
C	* Installation of Conduit and Wire *	This quotation INCLUDES the supply and installation of conduit and wire as specifically noted above - via Patrick Kelly Electric, Inc.
D	* Equipment Installation *	This quotation DOES NOT INCLUDE physical installation of field instruments, pipe, tubing, fittings, isolation valves, instrument stands, instrument mounts, control panels, antennas, masts, wooden poles, or other devices or other equipment unless specifically noted above.
E	* Wiring Terminations *	This quotation INCLUDES the termination of field wiring to field instruments, control panels, RTU panels, and/or other devices supplied under this scope of supply. Terminations of wiring to equipment supplied by Others are excluded unless specifically noted above.
F	* Fiber Optics Cable *	This quotation DOES NOT INCLUDE the supply or physical installation of Fiber Optic Cable.
G	* Fiber Optic Cable Termination *	This quotation DOES NOT INCLUDE termination or testing of fiber optics cable.
H	* Coaxial Cable Installation *	This quotation DOES NOT INCLUDE the physical installation of coaxial cable or other related components.
I	* Installation of Communications Towers or Poles *	This quotation DOES NOT INCLUDE the supply or physical installation of Communication Towers or Poles.
J	* Contractor License Information *	MR Systems' Georgia Electrical Contractors License Number is EN214384 (Non-Restricted).
K	Intentionally left blank	
L	* Terms and Conditions *	MR Systems, Inc. General Terms & Conditions of Sale apply to any order resulting from this quotation. Please refer to the link provided below for a copy of our General Terms and Conditions of Sale. https://www.mrsystems.com/sellersterms/

Revision Notes:

Rev. 0 First Issue - 2019-08-15 - WPK
 Rev. 3 Third Issue - 2019-08-27 - WPK
 - Simultaneous Operation (Old and New Systems)

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 1-6)
 MR Quote #:Q19-3866, Rev. 3b



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
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MR Systems, Inc. is pleased to offer our services for the Cartersville Water Treatment Plant Filter Controls Upgrades Project.

SCOPE of WORK

MR Systems will provide the following engineering services and associated materials as explicitly detailed below. Including Electrical and Integration / Control sub-scopes.

Please Note: All new valve actuators or modifications to existing actuators will be by others. MR Systems & Pat Kelley Electrical understand that any modifications to the valve actuators to provide fused 120VAC power for the Phoenix Contact Radioline units mounting on the actuators will be completed by Georgia Western prior to installation.

Control Understanding

Operations of the individual filters will be from the main SCADA workstation in the lab and any of the individual SCADA HMI filter console pedestals. Each filter will be programmed for manual valve operation by the Operations personnel. No programming for an automatic backwash is included. Automatic control of the filter effluent valves will be based on the common settled water flume level. Operation of the Air Scour Blower will be by pre-selected levels of Low, Medium and High in the MCC. Automatic control of the Backwash Flow will be by a flow setpoint entered by Operations personnel.

Electrical Scope of Supply by Pat Kelly Electric (Filters 1-6)

Price Includes:

- Electrical Permit, and Sales Tax
- Install Grounding per plans
- Furnish & Install (3) Stainless Steel 480V Distribution Panels per plans
- Furnish & Install Conduit and Wiring per plans
- Aluminum Conduit (See Adder Below for PVC Coated Option)
- XHHW Copper Conductors for all wiring per plans
- Mount and Install Panels and Electrical Equipment Furnished by Others
- Install radio transmitters on valves per plans (Furnished by Others)
- Install Temporary Power and Controls as needed to keep filters operational

Price Excludes:

- Installing Concrete Pads or Patching Concrete floor under old consoles
- Not responsible for any instrumentation such as pressure switches, pressure transmitters, floats, or flow meter, etc.
- Furnishing or Installing New Valves
- Furnishing New Consoles or Pedestals
- Furnishing Scada System or RTU
- Any Work on Existing Scada System

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 1-6)
 MR Quote #:Q19-3866, Rev. 3b



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
		- Furnishing or Installing Antenna, Antenna Cable, Antenna Pole, or Antenna Tower - Disposal of Waste Materials. - Performance Bond - Painting of any Kind - Arc Flash Study - Any Additional Engineering or Providing Engineered Drawings
<u>MR Systems' Scope of Supply (Filters 1-6)</u>		
1		<u>Filters No. 1 - No. 3 Control Panel</u> Enclosure Size: 48" H x 36" W x 12" D Enclosure Rating & Materials: NEMA 4X, #304 Stainless Steel Solar Heat Protection: Not Included PLC: Allen-Bradley CompactLogix Available I/O: 16 DI, 16 DO, 16 AI, 0 AO Wired I/O: 12 DI, 16 DO, 12 AI, 0 AO AC Power Backup: AC UPS Communications: Phoenix Contact Radioline (Redundant) Operator Interface Terminal: Not Included Standard Features: AC Power Surge Protector LED Light Fixture (mounts in top of panel) GFI Utility Outlet RTU Door Limit Switch Digital I/O Surge Protection: Indicating Interposing Relays Analog I/O Surge Protection: MR Kamikaze II Analog Surge Protector Miscellaneous Options: 3-point Door Latch, Pad lockable Ethernet Switch, Lite Managed, 8-port, 10/100 MB
1		<u>Filter No. 1 Filter Console Pedestal</u> 23" Hope Industrial Touchscreen Display & Pedestal System Industrial PC, Intel i3, 8GB Ram, Windows 10 Pro Wonderware InTouch 2017 Runtime 1K Tag with I/O
		<u>Filter No. 1 Valve Telemetry</u> Influent Valve 1 Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O channels, NEMA 4X enclosure, antenna, 120VAC Drain Valve 1 Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 1-6)
 MR Quote #:Q19-3866, Rev. 3b



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
1		Effluent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Backwash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Rewash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		<u>Filter No. 2 Filter Console Pedestal</u> 23" Hope Industrial Touchscreen Display & Pedestal System Industrial PC, Intel i3, 8GB Ram, Windows 10 Pro Wonderware InTouch 2017 Runtime 1K Tag with I/O
		<u>Filter No. 2 Valve Telemetry</u>
1		Influent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O channels, NEMA 4X enclosure, antenna, 120VAC
1		Drain Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Effluent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Backwash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Rewash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		<u>Filter No. 3 Filter Console Pedestal</u> 23" Hope Industrial Touchscreen Display & Pedestal System Industrial PC, Intel i3, 8GB Ram, Windows 10 Pro Wonderware InTouch 2017 Runtime 1K Tag with I/O
		<u>Filter No. 3 Valve Telemetry</u>
1		Influent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O channels, NEMA 4X enclosure, antenna, 120VAC

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 1-6)
 MR Quote #:Q19-3866, Rev. 3b



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
1		Drain Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Effluent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Backwash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Rewash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		<u>Filters No. 4 - No. 6 Control Panel</u> Enclosure Size: 48" H x 36" W x 12" D Enclosure Rating & Materials: NEMA 4X, #304 Stainless Steel Solar Heat Protection: Not Included PLC: Allen-Bradley CompactLogix Available I/O: 16 DI, 16 DO, 16 AI, 0 AO Wired I/O: 12 DI, 16 DO, 12 AI, 0 AO AC Power Backup: AC UPS Communications: Phoenix Contact Radioline (Redundant) Operator Interface Terminal: Not Included Standard Features: AC Power Surge Protector LED Light Fixture (mounts in top of panel) GFI Utility Outlet RTU Door Limit Switch Digital I/O Surge Protection: Indicating Interposing Relays Analog I/O Surge Protection: MR Kamikaze II Analog Surge Protector Miscellaneous Options: 3-point Door Latch, Pad lockable Ethernet Switch, Lite Managed, 8-port, 10/100 MB
1		<u>Filter No. 4 Filter Console Pedestal</u> 23" Hope Industrial Touchscreen Display & Pedestal System Industrial PC, Intel i3, 8GB Ram, Windows 10 Pro Wonderware InTouch 2017 Runtime 1K Tag with I/O
		<u>Filter No. 4 Valve Telemetry</u>
1		Influent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O channels, NEMA 4X enclosure, antenna, 120VAC

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 1-6)
 MR Quote #:Q19-3866, Rev. 3b



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
1		Drain Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Effluent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Backwash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Rewash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		<u>Filter No. 5 Filter Console Pedestal</u> 23" Hope Industrial Touchscreen Display & Pedestal System Industrial PC, Intel i3, 8GB Ram, Windows 10 Pro Wonderware InTouch 2017 Runtime 1K Tag with I/O
		<u>Filter No. 5 Valve Telemetry</u>
1		Influent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O channels, NEMA 4X enclosure, antenna, 120VAC
1		Drain Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Effluent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Backwash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Rewash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		<u>Filter No. 6 Filter Console Pedestal</u> 23" Hope Industrial Touchscreen Display & Pedestal System Industrial PC, Intel i3, 8GB Ram, Windows 10 Pro Wonderware InTouch 2017 Runtime 1K Tag with I/O

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 1-6)
 MR Quote #:Q19-3866, Rev. 3b



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
<u>Filter No. 6 Valve Telemetry</u>		
1		Influent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O channels, NEMA 4X enclosure, antenna, 120VAC
1		Drain Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Effluent Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Backwash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
1		Rewash Valve Phoenix Contact Radioline - 900MHz wireless transceiver with six integrated I/O 4X enclosure, antenna, 120VAC
Rev.3 <u>MR Systems Training (added per Request 8/27/19)</u>		

Project Labor

One Lot	Project Engineering, Electrical Design, Mechanical Design, Drafting & Administrative Labor (including Travel & Living expenses) as required to perform final system design and to prepare Submittals and Record Drawings as required by the Contract Documents.
One Lot	HMI Software Applications Development & Graphics Design Labor (including Travel & Living expenses) as required by the Contract Documents.
One Lot	PLC Control Strategy Design & Programming Labor (including Travel & Living expenses) to be performed as required by the Contract Documents.
One Lot	Field Service (including Travel & Living expenses) to provide installation supervision calibrations, startup, training, etc. as required by the Contract Documents.
One Lot	Field Service (including Travel & Living expenses) to provide installation supervision calibrations, startup, training, etc. as required by the Contract Documents. This includes a minimum of 6 separate trips for the startup of the Filters 1-3 Filter Control Panel, Filters 4-6 Filter Control Panel and each Filter Console Pedestal.
1 Year	Onsite Comprehensive Warranty (including Travel & Living expenses)

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 1-6)
 MR Quote #:Q19-3866, Rev. 3b



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
One Lot	Freight	
		Subtotal of Labor and Materials: \$304,576
		State Sales Tax - NOT INCLUDED: \$
		Total Project Cost: \$304,576
		PVC Coated Conduit Add: \$57,445

General Notes:

- A *** Sales Representation ***
 William Kelly of MR Systems, Inc. is our local Sales Engineer. William may be reached at 678-325-2817 (Office) or 770-871-9302 (Cell).
- B *** Technical Questions ***
 For technical or scope of supply questions contact William Kelly of MR Systems, Inc. William may be reached at 678-325-2817 (Office) or 770-871-9302 (Cell).
- C *** Installation of Conduit and Wire ***
 This quotation INCLUDES the supply and installation of conduit and wire as specifically noted above - via Patrick Kelly Electric, Inc.
- D *** Equipment Installation ***
 This quotation **DOES NOT INCLUDE** physical installation of field instruments, pipe, tubing, fittings, isolation valves, instrument stands, instrument mounts, control panels, antennas, masts, wooden poles, or other devices or other equipment unless specifically noted above.
- E *** Wiring Terminations ***
 This quotation INCLUDES the termination of field wiring to field instruments, control panels, RTU panels, and/or other devices supplied under this scope of supply. Terminations of wiring to equipment supplied by Others are excluded unless specifically noted above.
- F *** Fiber Optics Cable ***
 This quotation **DOES NOT INCLUDE** the supply or physical installation of Fiber Optic Cable.
- G *** Fiber Optic Cable Termination ***
 This quotation **DOES NOT INCLUDE** termination or testing of fiber optics cable.
- H *** Coaxial Cable Installation ***
 This quotation **DOES NOT INCLUDE** the physical installation of coaxial cable or other related components.

Customer: City of Cartersville, GA
 Project: Cartersville WTP - Filter Gallery Upgrades (Filters 1-6)
 MR Quote #:Q19-3866, Rev. 3b



August 27, 2019

Bill of Materials and Labor

Qty	Tag/Loop	Description
I	* Installation of Communications Towers or Poles *	This quotation DOES NOT INCLUDE the supply or physical installation of Communication Towers or Poles.
J	* Contractor License Information *	MR Systems' Georgia Electrical Contractors License Number is EN214384 (Non-Restricted).
K	Intentionally left blank	
L	* Terms and Conditions *	MR Systems, Inc. General Terms & Conditions of Sale apply to any order resulting from this quotation. Please refer to the link provided below for a copy of our General Terms and Conditions of Sale. https://www.mrsystems.com/sellersterms/

Revision Notes:

Rev. 0	First Issue - 2019-08-15 - WPK
Rev. 3b	Third Issue - 2019-08-27 - WPK -Add Training



City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
Geotechnical Analysis for Jimmy Don Crane Sewer

SubCategory:	Bid Award/Purchases
Department Name:	Water Department
Department Summary Recommendation:	The Water Department needs to conduct a subsurface geotechnical study of the proposed reroute of what is internally called the Jimmy Don Crane Sewer Project. This project will reroute an existing sewer which crosses Pettit Creek. The existing crossing has been undermined by the change in flow/route of the creek. We know from construction records of the existing sewer that there is rock in the area. The study will delineate subsurface soil conditions along the proposed route. Knowing how much rock there is and at what depth it is located will aid in design of the project as well as preparing an accurate cost estimate. GeoHydro was asked to prepare a cost proposal for the needed work (see attached). Their proposed cost to complete the study is \$12,845. I recommend approval of this proposal.
City Manager's Remarks:	This is a budgeted project. Your approval for the GeoHydro analysis of the Jimmy Don Crane Sewer project is recommended.
Financial/Budget Certification:	All expenses will pass through account 505.3320.54.3406 Jimmy Don Sewer Relocation.
Legal:	
Associated Information:	



Proposal to Provide Geotechnical Engineering Services

Cartersville Water Department - Jimmy Don Crane Sewer
Cartersville, Georgia
Geo-Hydro Proposal Number 24130.2

*Prepared for Rindt-McDuff Associates, Inc.
December 3, 2019*



Mr. Jacob DeWoody, EIT
Rindt-McDuff Associates, Inc.
334 Cherokee Street NE
Marietta, Georgia 30060-1346

December 3, 2019

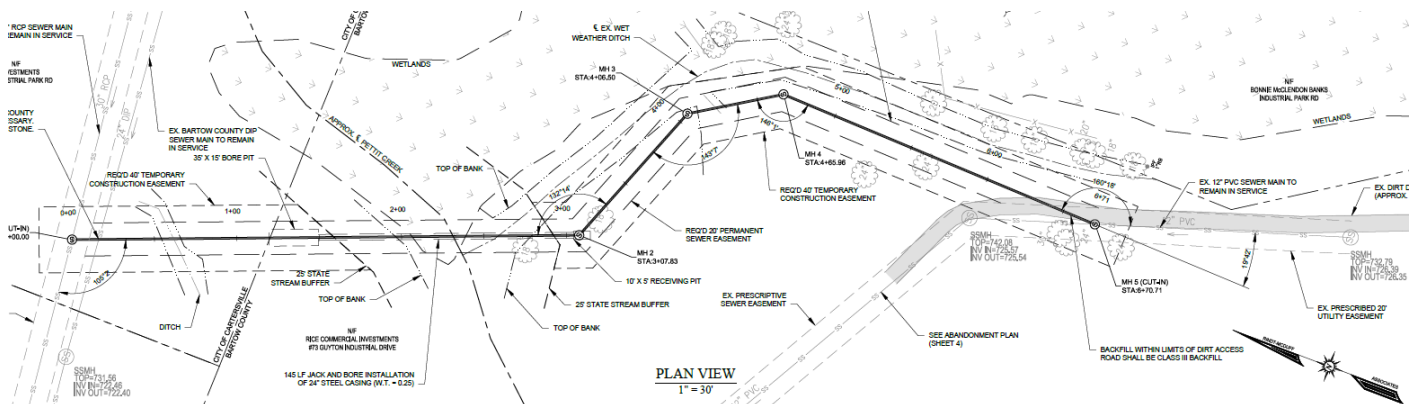
Proposal to Provide Geotechnical Engineering Services
Cartersville Water Department - Jimmy Don Crane Sewer
Cartersville, Georgia
Geo-Hydro Proposal Number 24130.2

Dear Mr. DeWoody:

Geo-Hydro Engineers, Inc. appreciates the opportunity to provide geotechnical engineering services for the Jimmy Don Crane Sewer. This proposal and associated work scope have been developed based on our review of the plans provided in your email of November 20, 2019, and our experience with similar projects.

PROJECT INFORMATION

The project consists of the installation of approximately 700 feet of 12-inch diameter gravity sewer. The proposed alignment line is located south of Industrial Park Road and crosses Pettit Creek in Cartersville, Georgia. The approximate sewer alignment is indicated by the green line superimposed on the aerial photograph below. The sewer alignment is illustrated on the site plan excerpt below.



The sewer line route includes wooded areas and existing utility easements. The alignment will include a jack-and-bore crossing beneath Pettit Creek with a total length of about 150 feet. We expect the remainder of the line to be installed using traditional cut-and-cover methods. The sewer invert elevation will be up to 15 feet below current elevations.



SCOPE OF SERVICES

Geotechnical Considerations

The subsurface exploration will address the following items that could impact design and construction of the planned sewer line:

- Overall subsurface support of the new sewer line and pipe bedding requirements.
- Potential presence of rock along the sewer alignment above planned invert elevations.
- Construction dewatering.
- Temporary excavation slopes and excavation bracing.
- Earth material utilization and fill compaction requirements.

Based on the publicly available aerial photos, access trail clearing will be required. Geo-Hydro assumes that limited clearing will be allowed to access necessary boring locations along the alignment. We understand that clearing may be provided by the City of Cartersville in advance of our mobilization. For budgeting purposes, we have provided the cost of clearing access trails as a separate line item in the *Cost Information* section.

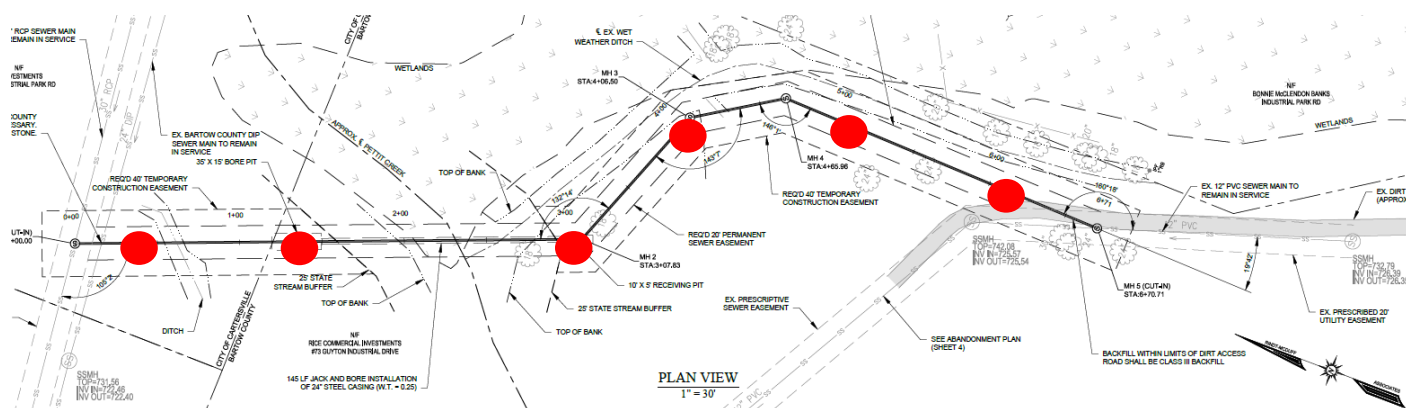
In general, Geo-Hydro will rely on Rindt-McDuff or the City of Cartersville to notify property owners of our arrival. Upon authorization, Geo-Hydro will identify the boring locations in the field. At that time, we recommend a site visit including Geo-Hydro and any appropriate members of the project team to discuss the logistics of performing our field work. We will discuss the property owners along the alignment which may be affected, any necessary permits to perform work at the boring locations, and ensure proactive communication during execution of the field work.

Geotechnical Exploration

We have developed the following scope of services to obtain the subsurface data needed to address the geotechnical aspects of design and construction as discussed above:

1. A representative of Geo-Hydro will perform a site reconnaissance and identify the boring locations. After identifying the boring locations, we will request a site meeting for all interested parties to discuss the logistics of performing the field work including property owner communication, any necessary permitting, and expected project schedule.
2. We will contact Georgia 811 for location of underground utilities. Also, we will obtain any information available from you concerning underground utilities in the work areas.
3. Some of the boring locations are not accessible to conventional drilling equipment without clearing access trails with a bulldozer or loader. If authorized, we will engage a loader and operator to clear access to the boring locations.
4. We will advance six soil test borings at select locations along the alignment at the approximate locations illustrated on the plan excerpt below. Standard penetration testing in accordance with ASTM D1586

will be performed at select depth intervals in each boring extending to a planned depths ranging from 15 to 20 feet. The borings will be extended to the planned depth below the existing ground surface or to the depth of auger refusal, whichever occurs first. Our lump sum fee allows for a total of 130 feet of soil test boring only.



5. We will obtain groundwater readings at the time of the drilling operation. For safety reasons, some of the borings will be backfilled with soil cuttings upon completion. At critical locations, delayed groundwater measurements will be performed to obtain stabilized groundwater levels.
6. Soil samples from the field operation will be physically examined, and a visual classification will be assigned in accordance with the Unified Soil Classification System.
7. Test boring records will be prepared which provide standard penetration resistances, soil descriptions, and groundwater conditions. Significant soil strata will be delineated and partially weathered rock or auger refusal will be identified where encountered.
8. Moisture content tests (ASTM D2216) will be performed on 6 split-spoon samples obtained during drilling. Two bulk samples will also be obtained during drilling. One composite sample will be selected for standard Proctor compaction testing (ASTM D698), pH (ASTM G51), resistivity using the soil-box method (ASTM G187), sulfate content (AASHTO T290), and chloride content (AASHTO T291) test.
9. We will prepare an engineering presenting the results of the field exploration and laboratory testing. We will present evaluations and recommendations concerning excavation characteristics installation of the jack-and-bore crossing, for general sewer installation, and other pertinent geotechnical considerations regarding the planned sewer line.

COST INFORMATION

Due to the nature of the work, there is no precise way of determining our final fee since our costs will be based on the actual drilling and coring footage and time associated with completing the necessary work. Therefore, we will invoice for our services on a unit-rate basis in accordance with the attached Schedule of

Cartersville Water Department - Jimmy Don Crane Sewer • Cartersville, Georgia
Proposal Number 24130.2

Fees. The attached *Cost Illustration for Subsurface Exploration and Geotechnical Report* includes an estimated costs for the subsurface drilling program, laboratory testing, and reporting.

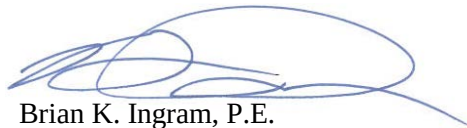
Stabilization of access trails is not included in our scope of services. If ground stabilization with straw or other erosion control means is required by the city of the county, we will hire an erosion control contractor. The cost of erosion control will be charged at our cost plus 15 percent. Alternatively, the City of Cartersville may use its own resources to provide erosion control in accordance with city or county requirements.

* * * * *

We are pleased to submit this proposal and look forward to the opportunity of working on this project. If this proposal is acceptable, we ask that you execute the attached agreement and return the original to us. If you have any questions concerning this proposal or any of our services, please call us.

Sincerely,

GEO-HYDRO ENGINEERS, INC.



Brian K. Ingram, P.E.
Geotechnical Services Director
bingram@geohydro.com



A. Marty Peninger, P.E.
Senior Geotechnical Engineer
mpeninger@geohydro.com

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PRELIMINARY COST ILLUSTRATION
Cartersville Water Department - Jimmy Don Crane Sewer
Cartersville, Georgia
Geo-Hydro Proposal Number 24130.2

	Description	Unit Rate	Assumed Quantity	Cost
I	Water Main Alignment			
	Drilling Equipment Mobilization	\$600	1	\$600
	Drop Mobilization Along Pipeline Alignment	\$225	--	--
	Difficult Moving/Stand By	\$250	1	\$250
	Standard Penetration Test Boring (per foot)	\$11	110	\$1,200
	Project Coordination and Field Engineering – Project Manager	\$100	4	\$400
	Field Engineering/Drill Rig Supervision/Soil Classification	\$80	12	\$960
	Drafting	\$55	4	\$220
	Report Preparation	\$100	12	\$1,200
	Principal Review	\$150	3	\$450
Subtotal:				\$5,290
II				
	Bulk Samples	\$75	2	\$150
	pH (ASTM G51)	\$85	1	\$85
	Chloride (AASHTO T291)	\$140	1	\$140
	Sulfate (AASHTO T290)	\$180	1	\$180
	Soil Resistivity (Soil Box Method) (ASTM G187)	\$125	1	\$125
	Moisture Content	\$30	6	\$180
	Standard Proctor	\$195	1	\$195
Subtotal:				\$1,055
III	Allowances			
	Traffic Control	Cost + 15%	---	--
	Dozer/Loader for Access Trail Clearing	Cost + 15%	---	\$1,500
	Contingency (Rock Coring)	---	---	\$5,000
Subtotal				\$6,500
TOTAL (Excluding Allowances):				\$6,345
TOTAL (Including Allowances):				\$12,845
The quantities provided above are assumed based on the anticipated scope of work outlined in the proposal. Exploration quantities will vary based on the materials encountered in the exploratory borings. Personnel time will be dependant on several factors including overall exploration quantities, field work restrictions, and on site demands. We have provided this estimate for planning purposes only. Actual quantities will be billed on a time-and-materials basis charged at the rates indicated on the attached Schedule of Fees.				

Geotechnical Engineering Services • Schedule of Fees
Cartersville Water Department - Jimmy Don Crane Sewer
Cartersville, Georgia
Geo-Hydro Proposal Number 24130.2

PROFESSIONAL CONSULTING SERVICES

Principal Engineer/Geologist, per hour	\$ 150.00
Senior Registered Engineer/Geologist, per hour	\$ 100.00
Registered Engineer/Geologist, per hour.....	\$ 90.00
Staff Engineer/Geologist, per hour	\$ 80.00
Engineering Aide, per hour	\$ 55.00

SUBSURFACE EXPLORATION SERVICES

Mobilization & Transportation of Drilling Equipment, each	\$ 600.00
Metro Atlanta Area (50 mile radius). Over 50 miles, add \$4.00 per mile.	
Soil Test Boring (N < than 50), per foot.....	\$ 11.00
For all drilling and coring related work at depths of 50 to 100 feet, add 25%	
Soil Test Boring (N > than 50), per foot.....	\$ 13.00
Additional SPT Samples, each	\$ 28.00
Thin-Wall Sample Tube, each attempt	\$ 75.00
Rock Coring (NQWL), per foot	\$ 55.00
Set-up for Rock Coring, per hole.....	\$ 200.00
Casing, set and remove for coring rock, per foot.....	\$ 10.00
Timber NQ Core Boxes, each.....	\$ 40.00
Auger Boring, per foot	\$ 9.00
Grouting Boreholes (\$50 minimum per hole), per foot	\$ 10.00
Asphalt Patch, each	\$ 25.00
2-inch Diameter Piezometer Installation, per foot.....	\$ 29.00
Concrete Pad for Monitoring Well and Flush-Mounted Cover, each	\$ 325.00
Obtaining Bulk Samples, each.....	\$ 75.00
Difficult Moving/Standby Time/Tree Cutting, per hour.....	\$ 250.00
Packer Testing (4-hour minimum), per hour	\$ 200.00
Hauling Water to Drill Hole, per hour.....	\$ 200.00
Hourly Drilling Charge, per hour	\$ 250.00
Subsistence for Out-of-Area Work (2-man drill crew), per day.....	\$ 300.00
Backhoe or Bulldozer Rental to provide access to boring location	Cost + 15%

SPECIAL FIELD TEST EQUIPMENT

Packer Equipment (double packer, 5-foot interval), per day	\$ 300.00
Ground Penetrating Radar (MALÅ Easy Locator HDR), per day.....	\$ 475.00
Special equipment rented for specific projects	Cost + 15%

Geotechnical Engineering Services • Schedule of Fees
Cartersville Water Department - Jimmy Don Crane Sewer
Cartersville, Georgia
Geo-Hydro Proposal Number 24130.2

LABORATORY TESTING SERVICES

Atterberg Limits (ASTM D4318), each.....	\$ 90.00
Grain Size Analysis, Sieve-Only (ASTM D422), each	\$ 85.00
Material Finer than No. 200 Sieve (ASTM C117), each	\$ 70.00
Natural Moisture Content Testing (ASTM D2216), each	\$ 30.00
Unconfined Compressive Strength of Soil (ASTM D2216), each	\$ 90.00
Unconfined Compressive Strength and Unit Weight of Rock (ASTM D2938), each	\$ 260.00

MISCELLANEOUS SERVICES

Mileage, per mile.....	\$ 0.55
Subsistence for Out-of-Area Work, per person, per day	\$ 150.00
Extra Report Copies (no charge for initial 3 copies), each	\$ 30.00
Private Utility Locator, excluding GPR (per day)	\$1,050.00
Private Utility Locator, including GPR (per day).....	\$1,400.00
Hydro-Vac Excavation	Cost + 15%
Railroad Right-of-Way Insurance	Cost + 15%
Authorized Miscellaneous Expenses	Cost + 15%

Hourly rates are portal to portal.

All prices are quoted for services performed during a normal 8:00 a.m. to 5:00 p.m. work day (Monday through Friday). For services required outside of these hours (or on Saturday, Sundays, and holidays), multiply unit rates by 1.5.

A minimum of 4 hours will apply to all necessary weekend or holiday work.

Expert witness testimony will be billed at a multiplier of 2.0 times the appropriate unit rate for all time spent in preparation, depositions, court appearances, etc.

Prices are valid for 1 year from date of schedule. A 4% increase applies per each additional year of contract.

AGREEMENTProject Name: Cartersville Water Department - Jimmy Don Crane SewerProject Location: Cartersville, GeorgiaProposal Number: 24130.2 Date: December 3, 2019

The Client, as identified and defined below, engages Geo-Hydro Engineers, Inc. to provide the services on the Project as detailed in the proposal previously provided to the Client, the terms of which are incorporated herein and made a part of this Agreement. The general terms and conditions on the following pages are likewise incorporated herein and are explicitly made part of this Agreement.

This Agreement is entered into this _____ day of _____, _____ between

Geo-Hydro Engineers, Inc. ("Consultant") and _____
("Client").

GEO-HYDRO ENGINEERS, INC._____
Client Firm Name_____
Signature of Authorized Agent_____
Signature of Authorized Agent_____
Print Name_____
Print Name_____
Title_____
Title

Please complete information in box

Billing Entity Name _____

Individual to Receive Invoices _____

Email address _____ Phone No. _____

Street Address _____

City and State: _____

TERMS AND CONDITIONS OF SERVICE

A. STANDARD OF CARE.

Services under this contract will be performed by Consultant in accordance with that degree of care and skill ordinarily exercised under similar conditions by members of Consultant's profession practicing in the same locality.

B. CERTIFICATION.

Consultant may employ sampling procedures during the course of the work. Client acknowledges that such procedures indicate actual conditions only at the precise locations and elevations from which samples were taken. Client further acknowledges that, in accordance with the generally accepted construction practice, Consultant shall make certain inferences based on the results of sampling and any related testing to form a professional opinion of conditions in areas beyond those from which samples were taken. Client acknowledges that despite proper implementation of sampling and testing procedures, and despite proper interpretation of their results, Consultant cannot guarantee the existence or absence of conditions which it may infer to exist. Client further acknowledges and agrees that Client shall not cause any resolution of a dispute, including, but not limited to, payment or settlement, contingent upon Consultant's certification of certain conditions, without first receiving Consultant's written certification regarding those conditions.

C. WARRANTIES.

EXCEPT AS OTHERWISE EXPRESSLY SET FORTH HEREIN, CONSULTANT MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO CONSULTANT'S WRITTEN REPORTS, FINDINGS, OPINIONS, OR SERVICES PROVIDED HEREUNDER, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

D. EXISTING CONDITIONS.

Client agrees that subsurface explorations and geotechnical or environmental engineering evaluations are subject to naturally occurring and/or man-made soil and other conditions which cannot always be discovered or anticipated and that a potential exists for such phenomena to impact the Project in ways for which Consultant cannot be responsible. Client shall disclose, at least 7 days before any scheduled inspections by Consultant, the presence and location of all known man-made or naturally occurring objects which could be affected by or affect field tests or borings to be performed by Consultant.

Client acknowledges and agrees that Consultant has neither created nor contributed to the creation or existence of any irritant, pollutant, or hazardous, radioactive, toxic, otherwise dangerous or harmful substance that may exist at the site, or dangerous conditions resulting therefrom. Client further acknowledges that Consultant's sole role is to provide a service intended to benefit Client and that Consultant is performing no function at or association with the site that would classify Consultant as a generator, disposer, treater, storer, coordinator, handler, or transporter of hazardous materials.

(i) SAMPLING OR TEST LOCATION.

Unless otherwise stated, the fees in this proposal do not include costs associated with surveying of the site for the accurate horizontal and vertical locations of tests. Field tests described in a report or shown on sketches are based upon information furnished by others or estimates made in the field by Consultant's representatives. Such dimensions, depths or elevations should be considered as approximations unless otherwise stated.

(ii) HAZARDOUS SUBSTANCES.

Client agrees to advise Consultant, in writing, of any hazardous substances on or near the site within 24 hours after Client learns about the presence of such hazardous substances. In the event that test samples obtained contain substances hazardous to health, safety, or the environment, these samples shall remain the property of the Client. Likewise, any equipment which becomes contaminated and cannot be reasonably decontaminated shall become the property and responsibility of Client. Such samples or equipment will be delivered to Client. Client agrees to pay transportation costs for samples and equipment and the fair market value of such contaminated equipment upon request. Exploratory activities may expose soil and/or ground water considered to be hazardous by local and/or state and/or federal agencies. Consultant agrees to contain such materials in a manner approved by Consultant both during and at the completion of Consultant's field activities. Client understands and agrees that Client, and not Consultant, is responsible for the storage or disposal of hazardous materials or suspected hazardous materials brought to the surface during Consultant's exploratory activities.

(iii) DISCOVERY OF UNANTICIPATED HAZARDOUS MATERIALS.

Hazardous materials may exist at a site where there is no reason to believe they could or should be present. Client agrees that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work or termination of services. Client also agrees that the discovery of unanticipated hazardous materials could make it necessary for Consultant to take immediate measures to protect human health, safety, or the environment. Consultant agrees to notify Client as soon as practically possible should unanticipated hazardous materials or suspected hazardous materials be encountered. Client encourages Consultant to take any and all measures that in Consultant's professional opinion are justified to preserve and protect the health and safety of Consultant's personnel, and Client agrees to compensate Consultant for the additional cost of such work. In addition, Client waives any claim against Consultant, and agrees to indemnify, defend, and hold Consultant harmless from any claim or liability for injury, loss or perceived loss arising from Consultant's encountering of unanticipated hazardous materials or suspected hazardous materials. Client acknowledges that discovery of hazardous materials or suspected hazardous materials may lead to a temporary or permanent diminution of property value, and/or may cause delays in or otherwise affect completion of the real estate transaction Client now contemplates.

E. AQUIFER CONTAMINATION.

Subsurface sampling may result in unavoidable contamination of certain subsurface areas, as when a probe or boring device moves through a contaminated area, linking it to an aquifer, underground stream, or other hydrous body not previously contaminated and capable of spreading hazardous materials off-site. Because nothing can be done to eliminate the risk of such an occurrence, and when subsurface sampling is a part of the work which Consultant will perform on Client's behalf, Client hereby waives any claim against Company, and agrees to defend, indemnify and hold Consultant harmless from any claim or liability for injury or loss which may arise as a result of alleged cross-contamination caused by sampling. Client further agrees to compensate Consultant for any time spent or expenses incurred by Consultant in defense of such claim, including, but not limited to, any attorneys' fees and expenses incurred by Consultant, in accordance with Consultant's prevailing fee schedule and expense reimbursement policy.

F. SAMPLES, DATA AND RECORDS.

Consultant shall be the sole owner of any and all data gathered by Consultants or reports prepared by Consultant. No entity or individual, other than Consultant, its representatives, or Client, may use or rely upon any data collected by Consultant or reports prepared by Consultant. Except as expressly set forth in this Agreement, Consultant and Client do not intend the benefits of this Agreement, including, but not limited to, the samples, data, and records created by Consultant, to inure to any third party, and nothing contained herein shall be construed as creating any right, claim or

cause of action in favor of any such third party, against either Consultant or Client.

Routine test specimens will be discarded immediately upon completion of tests. Consultant shall retain drilling samples of soil or rock for a period of ninety (90) days following submission of Consultant's report to Client. If Client requests a longer period of storage, Consultant will retain test specimens or drilling samples for an agreed upon time period and fee. Records relating to services hereunder shall be maintained by Consultant for at least three (3) years following completion of Consultant's services.

G. ENTRY.

Client shall provide Consultant, its representatives, and equipment with right of entry on to the Project site. Consultant will endeavor to minimize damage to the land upon which the project is located, however Consultant shall not be under any duty or responsibility whatsoever to restore the Project site to its condition prior to performance of any tests or borings unless a separate agreement to do so is acknowledged in writing with Client. Unless otherwise indicated, Consultant's scope of service contains no provision for backfilling boreholes, test pits, or other exploration holes created to facilitate testing. Client hereby acknowledges that, unless some other arrangement is made in writing between Client and Consultant, Consultant cannot be held liable for any injuries or damages that may occur for Consultant's failure to perform services not included in the Proposal or this Agreement. Client further acknowledges that testing operations may result in damage to certain landscaping or improvements, due to the tests themselves, disposal of cuttings or ground water, movement of equipment, or due to other cause(s) that can commonly occur and are outside Consultant's control. Consultant will attempt to avoid causing damage, but Client understands and acknowledges that Consultant cannot guarantee damage will not occur and, accordingly, Client agrees to waive any claim against Consultant and to hold harmless, indemnify, and defend Consultant for any claim alleging injury or damage as a consequence of unfilled exploration holes on the site or any other disturbance to natural conditions of or any improvements on the site. Any costs of such restoration shall be added to our compensation pursuant to an agreed-upon price and terms set forth in a separate written agreement entered into between Consultant and Client.

H. FIELD MONITORING AND TESTING.

Whenever Consultant's personnel make on-site observations of materials and/or services provided by a contractor engaged by Client (the "Contractor"), Client agrees that Consultant is not responsible for the Contractor's means, methods, techniques, sequences or procedures of construction. Client acknowledges and agrees that the field services provided by Consultant shall not relieve the Contractor of his responsibilities for performing the work in accordance with the plans and specifications. The words "monitoring," "supervision," "inspection," or "control" mean the periodic observation of the work and the conducting of tests by Consultant to verify substantial compliance with the plans, specifications, and design concepts for the Project. Continuous or full-time monitoring does not mean that our personnel are observing placement of all materials or that we assume any responsibility or liability for placing or directing placement of materials.

I. SAFETY.

During the provision of observations or monitoring services at the job site during construction, Client agrees that in accordance with the generally accepted construction practice, the contractor will be solely and completely responsible for working conditions on the job site, including safety of all persons and property during the performance of the work and compliance with OSHA regulations. These requirements will apply continuously and are not limited to normal working hours. Any monitoring of the contractor's procedures conducted by

Consultant does not include review of the adequacy of the contractor's safety measures in, on, adjacent to, or near the construction site.

J. FREEDOM TO REPORT.

It is contemplated that, during the course of this engagement, Consultant may be required to report on the past or current performance of others engaged or being considered for engagement directly or indirectly by Client and to render opinions and advice in that regard. Those about whom reports and opinions are rendered may, as a consequence, initiate claims of libel or slander against Consultant and its present or former principals, officers, shareholders, directors, agents, representatives, consultants, successors, insurers, and attorneys (the "Consultant Representatives"). To help create an atmosphere in which Consultant's personnel feel free to express themselves candidly, Client agrees (1) to waive any claim against the Consultant Representatives and (2) to defend, indemnify, and hold harmless the Consultant Representatives from any claim or liability for injury or loss allegedly arising from professional opinions rendered by Consultant to Client or Client's agents, including, but not limited to, claims for slander or libel. Client further agrees to compensate the Consultant Representatives for any time spent or expenses incurred by the Consultant Representatives in defense of any such claim, in accordance with Consultant prevailing fee schedule and expense reimbursement policy. Client acknowledges that Client and/or Consultant may be required by local, state, and/or federal statute and/or regulations to report the discovery of hazardous materials to a government agency, and that Consultant, when practical, will do so only after notifying Client. Client waives any cause of action, claim, suit, or demand associated with Consultant's compliance with its duties to report as required by local, state, and/or federal laws and regulations.

K. PAYMENT.

Client agrees to pay Consultant in full for all services provided by Consultant to Client. Time is of the essence regarding payment of Consultant's invoices. Client's obligation to pay Consultant is not dependent upon Client's ability to obtain financing, approval of any governmental or regulatory agency, or upon Client's successful completion of the Project. Consultant reserves the right to submit progress invoices to Client on a monthly basis and a final invoice upon completion of Consultant's work. Each invoice is due and payable to Consultant, by Client, immediately upon presentation. All amounts due to Consultant and not paid within thirty (30) days of the presentation of the invoice shall bear interest at the rate of eighteen percent (18%) per annum (or the maximum permissible rate allowed by law) until paid in full.

If any obligation of Client hereunder is collected by legal proceeding, including, but not limited to, a demand letter, lawsuit, arbitration, and/or mediation, Client shall pay to Consultant, in addition to the amount due, all Costs of Collection (as defined below), including, but not limited to, fifteen percent (15%) of the total amount due by Client to Consultant as reasonable attorney's fees as well as all costs incurred by Consultant if the legal proceeding does not result in a lawsuit or arbitration proceeding, and thirty percent (30%) of the total amount due by Client to Consultant as reasonable attorneys' fees as well as all court costs incurred by Consultant if the legal proceeding results in a lawsuit or arbitration proceeding. "Costs of collection" shall include, but are not limited to, the hourly cost to Consultant for employee's time expended in collection efforts.

L. TERMINATION.

In the event that Client requests termination of the work prior to completion, Consultant reserves the right to complete such analysis and records as are necessary to place Consultant's files in order and to complete a report on the work performed to date. Client acknowledges and agrees that the amount of damages that Consultant will sustain in the event Client terminates this Agreement prior to Consultant's completion of its work required by the proposal and this Agreement will be uncertain or difficult to ascertain. As such, Client agrees that in the event Client terminates this Agreement prior to Consultant's completion of the work required by the proposal and this Agreement, Client shall be liable to Consultant for liquidated damages in the amount equal to thirty percent (30%) of all charges incurred as of the date of Client's termination of the Agreement (the "Liquidated Damages"). Client

acknowledges and agrees that the foregoing Liquidated Damages do not represent a penalty, but rather, represent a good faith pre-estimation by the parties of the damages that would be incurred by Consultant.

M. PROFESSIONAL LIABILITY.

Client agrees that the liability of Consultant and its principals, officers, shareholders, directors, agents, representatives, consultants, successors, insurers, and attorneys, to Client due to any negligent professional acts, errors or omissions, or breach of contract will be limited to an aggregate of \$50,000.00 or Consultant's total fee, whichever is greater. If Client prefers to have higher limits of professional liability, Consultant agrees to increase the limit up to a maximum of the available professional liability insurance proceeds at the time of judgment or settlement upon Client's written request at the time of accepting Consultant's proposal, providing that Client agrees to pay an additional consideration of ten percent of Consultant's total fee, or \$500.00, whichever is greater. The additional charge for the higher liability limit is because of the greater risk assumed by Consultant and is not a charge for additional professional liability insurance.

Consultant does not assume any responsibilities, duties, or obligations of Client or any other entity or individual. Consultant's performance shall not be considered to reduce, eliminate, abridge, or abrogate, any responsibilities, duties, or obligations of any other party. Consultant is not responsible for the design or construction of the project or the failure of any party to perform in accordance with the plans and specifications for the Projects or any of Consultant's recommendations or instructions.

N. INDEMNIFICATION.

Client shall indemnify and hold harmless Consultant and its officers, directors, agents, and employees from any loss, damage, or liability, including, but not limited to, Consultants' attorneys' fees and costs, resulting from, relating to, or arising out of the following: (i) subsurface conditions, damage to subsurface structures, whether owned by Client or any third party, the presence or location of which were not revealed to Consultant by Client in writing at least 7 days prior to the commencement of Consultant's performance; (ii) any alleged cross-contamination caused by Consultant's sampling; (iii) unanticipated hazardous materials discovered during the course of Consultant's work; (iv) any damage to Consultant's equipment or personnel as a result of actions engaged in by the Contractor; or (v) any alleged aquifer cross-contamination caused by Consultant's sampling.

O. CONFIDENTIALITY.

Consultant agrees to keep confidential and not to disclose to any person or entity, other than Consultant's principals and employees, any data or information not previously known to and generated by Consultant or furnished to Consultant and marked CONFIDENTIAL by Client ("Confidential Information"). These provisions shall not apply to information in whatever form that is in the public domain, nor shall it restrict Consultant from giving notices required by law or complying with an order to provide information or data when such order is issued by a court, administrative agency, arbitrator, or other legitimate authority, or if disclosure is reasonably necessary for Consultant to defend itself from any legal action or claim.

P. NON-CIRCUMVENTION.

Each party agrees that the information disclosed pursuant to this Agreement, including, but not limited to, any Confidential Information, will be used solely and exclusively for the purpose of Consultant providing the services on the Project as detailed in the proposal. Each party agrees that it shall not seek to circumvent the other or make use of the other's Confidential Information or trade secrets, including, but not limited to, its relationships with any third-party service providers to enhance their own business in any way. Any

Confidential Information disclosed pursuant to this Agreement will not be used by the receiving party to generate revenues nor to create other commercial arrangements without the prior written consent of the disclosing party.

Q. GOVERNING LAW; VENUE.

The validity of this Agreement and any of its terms or provisions, as well as the rights and duties of the parties to this Agreement, shall be governed and construed by the laws of the State of Georgia, and Venue shall lie in the State of Georgia, Cobb County, for all causes of action under this Agreement.

R. SEVERANCE; SURVIVAL.

If any provision of this Agreement is held to be illegal, invalid or unenforceable under any present or future law, and if the rights or obligations of any party hereto under this Agreement will not be materially and adversely affected thereby, (a) such provision will be fully severable, (b) this Agreement will be construed and enforced as if such illegal, invalid, or unenforceable provision had never comprised a part hereof, (c) the remaining provisions of this Agreement will remain in full force and effect and will not be affected by the illegal, invalid, or unenforceable provision or by its severance here from and (d) in lieu of such illegal, invalid or unenforceable provision, there will be added automatically as a part of this Agreement a legal, valid, and enforceable provision as similar in terms to such illegal, invalid, or unenforceable provision as may be possible.

S. EXECUTION.

This Agreement may be executed in counterparts, each of which shall be an original, but all of which shall together constitute one document. In the event one or more of the parties intends to sign and deliver this Agreement by facsimile transmission, ".pdf", or "jpeg," each party agrees that the delivery of the Agreement by facsimile, ".pdf", or "jpeg" shall have the same force and effect as delivery of original signatures, and each party may use such facsimile, ".pdf", or "jpeg" signatures as evidence of the execution and delivery of the Agreement by all parties to the same extent that an original signature could be used.

T. REPRESENTATIONS.

Client represents and warrants that it has full authority to enter into this Agreement and to consummate the transactions contemplated herein, and that this Agreement is not in conflict with any other Agreement to which Client is a party or by which it may be bound.

U. MISCELLANEOUS.

This instrument constitutes the entire agreement of the parties. There are no terms or conditions except those set forth herein. This Agreement may not be modified, altered, or amended except in a subsequent written instrument executed by each of the parties which refers to this Agreement and specifies the amendment made. No waiver of any breach of this Agreement shall be deemed or considered a waiver of any other or subsequent breach. Paragraph headings are used to facilitate reference to the various provisions and do not affect the meaning or construction of any provision. This Agreement is governed by the laws of the State of Georgia.

Underground Utilities Fact Sheet

Geo-Hydro's work often includes drilling below the ground surface to evaluate subsurface materials. One of our biggest concerns is that we may accidentally encounter underground utilities which may create a safety hazard for our personnel and others or result in a loss of service. Location of underground utilities prior to our work is important to all parties. Unfortunately, location of underground utilities is a difficult task, and accurate location of underground utilities is often not possible.

Geo-Hydro is required by Georgia law to contact the Utilities Protection Center (UPC) prior to drilling. The UPC requires at least 72 hours prior notification. The UPC contacts member utilities, and the member utilities dispatch utility locators. Normally the utility locators will not locate underground utilities on private property, and will only locate utilities from the main service line to the property owner's meter. It is not uncommon for utility locators to improperly locate underground utilities for a variety of reasons.

Geo-Hydro requires that the property owner provide clearly marked locations on the ground of any underground utilities in the work area. If necessary, Geo-Hydro can refer the owner to companies that provide underground utility location services. Alternatively, Geo-Hydro can hire the utility location company and pass this cost through to our client.

Private underground utility location companies do not guarantee that they have located all underground utilities or that underground utilities have been accurately located. In fact, some underground utilities (e.g., irrigation lines, non-metallic lines, etc.) simply cannot be located using non-destructive techniques.

Geo-Hydro will make reasonable efforts to avoid damaging underground utilities that are clearly marked in the field. Due to the uncertainties of locating underground utilities, Geo-Hydro cannot be responsible for damage to unmarked underground utilities. Since Geo-Hydro's work is being performed for the benefit of its client, the client must accept the risk that Geo-Hydro's work could result in damage to underground utilities. As such, it is ordinarily the responsibility of Geo-Hydro's client to accept the responsibility for repairing damage to unmarked underground utilities unless that responsibility has clearly been transferred to another party.



City of Cartersville

**City Council Meeting
12/19/2019 7:00:00 PM
WTP – High Service Pump Building #2 Roof Repair**

SubCategory:	Bid Award/Purchases						
Department Name:	Water Department						
Department Summary Recommendation:	The roof of the High Service Pump Building #2 (HSPB#2) has been leaking for some time. This building houses our two largest capacity pumps and associated electrical switchgear. We have exhausted efforts to patch the roof and now need to replace it. Quotes were requested from the following for a replacement roof: <table><tr><td>Elite Roofing</td><td>\$24,000.00</td></tr><tr><td>All Top Roofing</td><td>\$31,375.00</td></tr><tr><td>Bartow Roofing LLC</td><td>\$39,890.00</td></tr></table> I recommend approval of the Elite Roofing bid in the amount of \$24,000.00.	Elite Roofing	\$24,000.00	All Top Roofing	\$31,375.00	Bartow Roofing LLC	\$39,890.00
Elite Roofing	\$24,000.00						
All Top Roofing	\$31,375.00						
Bartow Roofing LLC	\$39,890.00						
City Manager's Remarks:	This is a budgeted item. The roof can no longer be patched. Your approval of the bid from Elite Roofing for \$24,000 is recommended.						
Financial/Budget Certification:	This is a budgeted item. All expenses will pass through account 505.3310.52.2361 Maintenance to WTP.						
Legal:							
Associated Information:							

ESTIMATE



**Cartersville Water Department
(Attn: Daniel Duke)**

237 Alltoona Dam Road
Cartersville, GA 30121

(404) 821-6637

Elite Roofing of Georgia

3458 Charles Hardy Pkwy
Dallas, GA 30157

Phone: (770) 445-1290

Email: marty@myeliteroofer.com

Web: <http://www.myeliteroofer.com>

Estimate # 029129

Date 11/07/2019

PO # Cartersville 992078

Description	Total
TPO Roof Installation (060mil)	\$24,000.00
Remove all river rock from entire roof	
Remove all existing roofing materials and ISO Board down to the concrete decking	
Install new ISO Board tapered system on entire roof with 1/4" drop per ft	
Install ISO Boards with spot shot glue to concrete deck	
Remove and reset parapet wall caps	
Install new Versico 060MIL TPO roofing membrane on entire roof @ 26SQ with bonding adhesive	
Install new TPO flashing membrane on all corners, curbs, and roof hatches	
Install new term bar as needed	
Install termination screws for premium attachment	
Heat weld all seams, overlaps, and flashings	
Rent crane to set materials on roof	
Set up safety area	
Haul off debris	
Rock will be dumped inside county dump trucks	
*Required permits will be pulled and posted by Elite Roofing of Georgia	
*Deduct \$1,700 if preferred tapered system is requested w/ less drop which will be 1/8" drop per ft	
10 year workmanship warranty provided by Elite Roofing of Georgia	
Full product manufacturer warranty provided	
	Item # 12

Subtotal	\$24,000.00
Total	\$24,000.00

Notes:

Attention: Daniel Duke

Marty Leddy
P: 404-509-8613
www.myliteroofer.com



ESTIMATE - PROPOSAL

ALLTOP ROOFING & Restoration Services LLC.

P.O. Box 1463 • 251 River Drive
Cartersville, GA 30120



Office: (770) 382-7008
Fax: (770) 382-3402

DATE 12/4/2019

SUBMIT TO:

NAME: City of Cartersville

ADDRESS: 1 N. Erwin St

CITY: Cartersville

STATE: Georgia 30120

BLDG LOCATED: Water Department

STREET: 237 Allatoona Dam Road

CITY: Cartersville

STATE: Georgia 30120

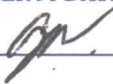
We hereby propose to furnish materials and labor necessary for the completion of:

Remove the gravel ,the ballasted EPDM roof and insulation down to the concrete decking. Install new adhered tapered insulation. Install a new 20 year NDL 60 Mil TPO roof system over the same. Flash units and all penetrations.

Clean premises during and after completion. Thank you for letting us submit this proposal. All applicable safety standards will be followed.

Total cost of above described proposal will be \$ 31,375.00 (dollars) TERMS:

All material is guaranteed to be as specified. All work to be complete in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance. Equity in this property acts as collateral for this contract until paid in full. AFTER 90 DAYS PRICE SUBJECT TO CHANGE

Authorized Signature 

ACCEPTANCE OF ESTIMATE

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

ACCEPTED:

Date

Signature

Signature

- Our Guarantees are Not Transferable -

Item # 12

BARTOW ROOFING LLC

4 S Tennessee St Suite A
Cartersville, GA 30121

PROJECT PROPOSAL
email steven@bartowroofingllc.com

Office: 770.334.2911
Fax: 770.334.3433

JOB#: S-CWD12619

DATE: 12/6/2019

NAME:	City of C'ville / Daniel Duke
ADDRESS:	237 Allatoona Dam Rd
CITY:STATE	Cartersville Ga 30120
PHONE #:	
EMAIL:	dduke@cityofcartersville.org

Start Date	

Re roof 60' x 75' two story building with 60 mil TPO with 20 year warranty

- : Re move all ballast gravel off roof and off site
- : Tear off all EPDM and ISO down to the concrete deck
- : Install 2" ISO over deck fully adhered
- : Install tapered ISO fully adhered over new 2" ISO
- : Install new 60 mil TPO fully adhered over ISO system
- : Install new coping , gravel stop ,drip edge and gutter were needed (Color Picked by City)
- : All port a jons , lift and rental equipment provided with this proposal
- : All dumpster and trash will be take off site to land fill
- : 20 Year warranty will be issued with this proposal

Building marked in red on over view pic

ESTIMATOR: Steven Smith

TOTAL: \$ 39,890.00

TERMS:

ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are satisfactory and are hereby accepted by the customer.

SIGNATURE: _____

DATE: _____

*USE OF CREDIT CARD REQUIRES AN ADDITIONAL 3.5%



City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
WPCP – Grit Chamber #1 Repair Parts

SubCategory:	Bid Award/Purchases
Department Name:	Water Department
Department Summary Recommendation:	The Water Pollution Control Plant (WPCP) uses two aerated grit chambers to remove sand and grit prior to downstream treatment processes. Removal grit reduces wear on downstream equipment and is an essential step in proper sewage treatment. Grit Chamber Number 1 (GC1) broke two weeks ago. We have made several temporary repairs in that time which worked for a short period. Rather than continuing to make piecemeal repairs, I would like to direct our time and resources to a full rebuild of the system. A request was made to WSG Solutions for all chain, wear shoes, buckets and associated hardware. They have provided the attached quote in the amount of \$28,656.00 for these items. I recommend approval of this quote as a sole source provider for the same reasons as in 2017 when GC2 was rebuilt. The paragraph below is from the 2017 memo to Council on the same topic: <i>I would like to sole source the chain for this repair to WSG Solutions. Chain is a normal wear item and has been replaced multiple times over the 40+ year life of this equipment. Based on lifespan, reliability and experience with other vendors I believe that WSG provides a superior product with a longer lifespan and greater durability. This opinion is based on both chambers being rebuilt one year apart. The WSG chain installed in 2012 shows little to no visible signs of wear. A photo showing typical wear on a links of the #2 Grit Chamber chain installed in 2011 is attached. The links are completely worn through in places and extremely thin everywhere else.</i>
City Manager's Remarks:	To positively consider time and resources, it would be best to have a rebuild of the grit chamber system. Your approval is recommended.
Financial/Budget Certification:	This is a budgeted item. All expenses will pass through account 505.3330.52.2361 Maintenance to WPCP.
Legal:	
Associated Information:	

Cover Memo



160 Commerce Drive, Suite 100
 Montgomeryville, PA 18936
 Phone: 267-638-3000
 Fax: 267-638-3081
 Toll Free Phone: 1-866-353-7084
 Web: wsgandsolutions.com

December 9, 2019

City of Cartersville
 102 Walnut Grove Road
 Cartersville, GA 30120

Attn.: Mr. Bart Sears

Subject: Cartersville, Georgia Replacement components for a Chain and Bucket Grit Collector WSG & Solutions, Inc. Proposal No. A17393-CP	cc: M. Ricketson S. Wilcher R. Hall File-WSG-A17393-CP
--	---

WSG & Solutions, Inc. is pleased to offer this proposal on the above project.

Should additional information be required, please do not hesitate to contact or telephone me directly at 267-638-3001.

Please Note: - A "Signed Purchase Order along with mutually agreed upon Terms and Conditions" must be in our possession before manufacturing of equipment begins. All purchase orders are to be addressed to WSG & Solutions, Inc.
 - If delivery is critical, we propose an "As-Sold Proposal", this proposal should be signed by an authorized individual as the basis of our Contract and attached to the Purchase Order.

Thank you for the opportunity of quoting on your requirements. We trust our Proposal will receive your favorable consideration.

Very truly yours,

Patty Becker

Patty Becker
 Aftermarket Manager
 WSG & Solutions, Inc.

Accepted by:

Purchaser Name:	WSG & Solutions, Inc.
Signature:	Signature:
Print Name:	Print Name:
Title:	Title:
Date:	Date:



SCOPE OF SUPPLY

As the original equipment supplier, WSG & Solutions, Inc. proposes to supply the following replacement components for a Chain and Bucket Grit Collector originally supplied under our Envirex Contract # 12879 (circa 1993).

ITEM	QUAN	PART NUMBER	PART DESCRIPTION	PRICE (TOTAL)
1	1 LOT	12879-107	720S CHAIN (2) STRANDS 132'-0" LG PER DWG	\$14,913.00
2	52	303-1881-1	WEAR SHOES - URETHANE	\$1,157.00
3	26	103-81133-1	ATTACHMENT PIN	\$299.00
4	13	503-82250-85	BUCKET ASSEMBLY	\$11,414.00
5	1 LOT	A16442-100-A	BUCKET ASSEMBLY HARDWARE	\$873.00
			TOTAL PRICE =	\$28,656.00

Our price includes only the specific items detailed in this proposal.

**PAYMENT AND PRICE TERMS:**

The prices quoted do not include taxes of any kind. Freight is included.

This proposal and these prices are valid for a period of thirty (30) days.

100% due upon Shipment payable net 30 days from the date of shipment for the value of material as shipped (or as ready for shipment, if shipment is delayed by you).

In the event any amount becomes past due, a service fee of 1-1/2% of the unpaid balance will be due each month until paid. WSG & Solutions, Inc. reserves the right to ship, invoice and collect for partial shipments.

FREIGHT:

Price is FOB Shipping Point with least expensive freight allowed to the jobsite. Our price does not include any costs for unloading, transporting on the site or storage.

CONDITIONS OF SALE:

WSG & Solutions, Inc. Standard Terms of Sale are attached and shall become part of any contract resulting from this proposal.

SHIPMENT INFORMATION:

*** Shipment will be approximately 10 - 12 weeks ARO and signed final contract.**

Our equipment is priced to ship in accordance with the above quoted timing which is subject to availability of fabrication resources. Actual timing will be confirmed and acknowledged upon receipt of a purchase order and final contract agreement. Shipments delayed by the Purchaser will be subject to an assessment at the rate of 1.5% per month of the value of the contract

FIELD SERVICES:

Field Service technician consultation may be purchased at the per diem rate of \$1,400.00 per eight (8) hour day, Monday through Friday inclusive. Travel time will be charged to and from Purchaser's construction site. **Traveling, living and incidental expenses will be charged at cost** including shipping charges on tools and other equipment, which the field service representative has shipped to the construction site. Overtime and Saturday work is charged at time and one-half. Sunday will be charged double time; time worked on US Holidays will be charged triple time.



STANDARD TERMS OF SALE

1. Applicable Terms. These terms govern the purchase and sale of the equipment and related services, if any (collectively, "Equipment"), referred to in Seller's purchase order, quotation, proposal or acknowledgment, as the case may be ("Seller's Documentation"). Whether these terms are included in an offer or an acceptance by Seller, such offer or acceptance is conditioned on Buyer's assent to these terms. Seller rejects all additional or different terms in any of Buyer's forms or documents.
2. Payment. Buyer shall pay Seller the full purchase price as set forth in Seller's Documentation. Unless Seller's Documentation provides otherwise, freight, storage, insurance and all taxes, duties or other governmental charges relating to the Equipment shall be paid by Buyer. If Seller is required to pay any such charges, Buyer shall immediately reimburse Seller. All payments are due within 30 days after receipt of invoice. Partial shipments and invoices will be allowed unless otherwise agreed by the parties. Buyer shall be charged the lower of 1 1/2% interest per month or the maximum legal rate on all amounts not received by the due date and shall pay all of Seller's reasonable costs (including attorneys' fees) of collecting amounts due but unpaid. All orders are subject to credit insurance approval. These terms are completely independent from, and in no way contingent upon, when you receive payment, from the Owner and/or prime contractor.
3. Delivery. Delivery of the Equipment shall be in material compliance with the schedule in Seller's Documentation. Unless Seller's Documentation provides otherwise, Delivery terms are F.O.B. Shipping Point.
4. Ownership of Materials. All devices, designs (including drawings, plans and specifications), estimates, prices, notes, electronic data and other documents or information prepared or disclosed by Seller, and all related intellectual property rights, shall remain Seller's property. Seller grants Buyer a non-exclusive, non-transferable license to use any such material solely for Buyer's use of the Equipment. Buyer shall not disclose any such material to third parties without Seller's prior written consent.
5. Changes. Seller shall not implement any changes in the scope of work described in Seller's Documentation unless Buyer and Seller agree in writing to the details of the change and any resulting price, schedule or other contractual modifications. This includes any changes necessitated by a change in applicable law occurring after the effective date of any contract including these terms.
6. Warranty. Subject to the following sentence, Seller warrants to Buyer that the Equipment shall materially conform to the description in Seller's Documentation and shall be free from defects in material and workmanship. The foregoing warranty shall not apply to any Equipment that is specified or otherwise demanded by Buyer and is not manufactured or selected by Seller, as to which (i) Seller hereby assigns to Buyer, to the extent assignable, any warranties made to Seller and (ii) Seller shall have no other liability to Buyer under warranty, tort or any other legal theory. If Buyer gives Seller prompt written notice of breach of this warranty within twelve (12) months from shipment (the "Warranty Period"), Seller shall, at its sole option and as Buyer's sole remedy, repair or replace the subject parts or refund the purchase price therefore. If Seller determines that any claimed breach is not, in fact, covered by this warranty, Buyer shall pay Seller its then customary charges for any repair or replacement made by Seller. Seller's warranty is conditioned on Buyer's (a) operating and maintaining the Equipment in accordance with Seller's instructions, (b) not making any unauthorized repairs or alterations, and (c) not being in default of any payment obligation to Seller. Seller's warranty does not cover wear and tear of the components once put into operation, damage caused by chemical action or abrasive material, misuse or improper installation (unless installed by Seller). THE WARRANTIES SET FORTH IN THIS SECTION ARE SELLER'S SOLE AND EXCLUSIVE WARRANTIES AND ARE SUBJECT TO SECTION 10 BELOW. SELLER MAKES NO OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE.
7. Indemnity. Seller shall indemnify, defend and hold Buyer harmless from any claim, cause of action or liability incurred by Buyer as a result of third party claims for personal injury, death or damage to tangible property, to the extent caused by Seller's negligence. Seller shall have the sole authority to direct the defense of and settle any indemnified claim. Seller's indemnification is conditioned on Buyer (a) promptly, within the Warranty Period, notifying Seller of any claim, and (b) providing reasonable cooperation in the defense of any claim.
8. Force Majeure. Neither Seller nor Buyer shall have any liability for any breach (except for breach of payment obligations) caused by extreme weather or other act of God, strike or other labor shortage or



disturbance, fire, accident, war or civil disturbance, delay of carriers, failure of normal sources of supply, act of government or any other cause beyond such party's reasonable control.

9. Cancellation. If Buyer cancels or suspends its order for any reason other than Seller's breach, Buyer shall promptly pay Seller for work performed prior to cancellation or suspension and any other direct costs incurred by Seller as a result of such cancellation or suspension.

In the event Buyer wishes to return material for credit - A return material authorization (R. M. A.) must be issued from the Seller before any return. Equipment to be returned must be in new condition, suitable for restocking and resale. Non stock items are not returnable. Items invoiced over 12 months prior are not returnable. Restocking fee of 25% of item value applies. Return freight and associated costs are for the account of the Buyer.

10. LIMITATION OF LIABILITY. NOTWITHSTANDING ANYTHING ELSE TO THE CONTRARY, SELLER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR OTHER INDIRECT DAMAGES, AND SELLER'S TOTAL LIABILITY ARISING AT ANY TIME FROM THE SALE OR USE OF THE EQUIPMENT SHALL NOT EXCEED THE PURCHASE PRICE PAID FOR THE EQUIPMENT. THESE LIMITATIONS APPLY WHETHER THE LIABILITY IS BASED ON CONTRACT, TORT, STRICT LIABILITY OR ANY OTHER THEORY.

11. Miscellaneous. If these terms are issued in connection with a government contract, they shall be deemed to include those federal acquisition regulations that are required by law to be included. These terms, together with any quotation, purchase order or acknowledgement issued or signed by the Seller, comprise the complete and exclusive statement of the agreement between the parties (the "Agreement") and supersede any terms contained in Buyer's documents, unless separately signed by Seller. No part of the Agreement may be changed or cancelled except by a written document signed by Seller and Buyer. No course of dealing or performance, usage of trade or failure to enforce any term shall be used to modify the Agreement. If any of these terms is unenforceable, such term shall be limited only to the extent necessary to make it enforceable, and all other terms shall remain in full force and effect. Buyer may not assign or permit any other transfer of the Agreement without Seller's prior written consent. The Agreement shall be governed by the laws of the Commonwealth of Pennsylvania without regard to its conflict of laws provisions.

12. RESERVATION CLAUSE (International ONLY-including Canada and Mexico). Buyer acknowledges that Seller is required to comply with applicable export laws and regulations relating to the sale, exportation, transfer, assignment, disposal and usage of the (Work/Equipment/Services) provided under the contract, including any export license requirements. Buyer agrees that such (Work/Equipment/Services) shall not at any time directly or indirectly be used, exported, sold, transferred, assigned or otherwise disposed of in a manner which will result in non-compliance with such applicable export laws and regulations. It shall be a condition of the continuing performance by Seller of its obligations hereunder that compliance with such export laws and regulations be maintained at all time.

BUYER AGREES TO INDEMNIFY AND HOLD SELLER HARMLESS FROM ANY AND ALL COSTS, LIABILITIES, PENALTIES, SANCTIONS AND FINES RELATED TO NON-COMPLIANCE WITH APPLICABLE EXPORT LAWS AND REGULATIONS.

13. Escalation Clause. Seller has no control over the metals markets and the fluctuations of base metals cost and surcharges imposed on shipments of steel. The prices in the proposal are therefore subject to adjustment reflecting changes in the CRU Steel Price Index Forecast published by CRU International at www.cruspifutures.com for the base material costs, and the Allegheny Ludlum surcharge calculator/surcharge history data published monthly and is available at www.alleghenyludlum.com/ludlum/pages/SurchargeCalculator/SurchargeHistory.asp. Changes made by the Buyer to the quoted schedule will be subject to escalation as provided herein. If the index and surcharge data published at the date of actual material procurement exceeds the index and surcharge data values at the proposal validity date, Seller has the right to change the price for the material portion of the contract and it may be increased in accordance with the changes in the index and surcharge data values. Price changes will be the difference between the actual material purchase costs as indicated by the CRU steel price index and surcharge calculator data at the date of purchase and the material costs in effect as indicated by the CRU steel price index and surcharge calculator data as of the date of the proposal. It is understood and agreed that it shall be Seller's option as to whether or not to invoke escalation. All invoices for escalation will include supporting documentation as required.



Item # 13



City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
WPCP – Flygt Mixer Repair

SubCategory:	Bid Award/Purchases
Department Name:	Water Department
Department Summary Recommendation:	The ongoing Nutrient Removal Upgrade Project at the Water Pollution Control Plant (WPCP) has progressed to work upon existing structures. Any equipment that can be salvaged from these existing structures is returned to the City. Last week a Flygt 4660 submersible mixer was removed from Bioreactor #1. The mixer has been evaluated by Flygt and found to be salvageable. Flygt can rebuild the unit for \$9,837.80. A new unit costs \$30,557.00 by comparison. I recommend approval of the rebuild proposal from Xylem/Flygt in the amount of \$9,837.80. This unit will serve as a spare for the other six (6) submersible units currently in use throughout the plant.
City Manager's Remarks:	This rebuilt unit will serve as a spare for the other 6 units throughout the plant. Your approval of the rebuild proposal from Xylem/Flygt in the amount of \$9,837.80 is recommended.
Financial/Budget Certification:	This is a budgeted item. All expenses will pass through account 5050.330.52.2361 Maintenance to WPCP.
Legal:	
Associated Information:	



Xylem Water Solutions USA, Inc.
Flygt Products

PRODUCT REPAIR / SERVICE ESTIMATE

Estimate #: R2019-ATL-0302

Date: 11/21/2019

Page 1 of 5

Tag #: 0931

JobName: Water Plant P8

Customer Information

Company Name: CITY OF CARTERSVILLE

Address

PO BOX 1390

CARTERSVIL GA30120

Contact: BART SEARS

Telephone: 678 247 4069

Telephone:

Fax:

Email:

Following is an estimate regarding the repair of your Flygt mixer.

Product Identification

Product Number: 3300.091-5531

Serial Number: 3300.091-0320004

Model: 3300

Impeller Code: 646

HP: 60

Volts: 0

Phases: 3

Inspection Information

Inspected By: Oscar Villalobos

Motor Data: Wire Configuration: U1:Red V1:Black W1:White

Megger to ground: R 550 B 550 W 550

Resistance through cable: RB .32 RW .32 BW
.32

Stator Condition: Good

Shaft Condition: Good

Oil Condition: Unusable

Inspection Plugs:

Sensors:

☒ FLS

☐ CLS

☐ KLIX

☐ Bearing

☒ Cable

Hydraulic: Impeller/Propeller Condition: Good

Volute Condition: Good

Cable Condition: Unusable

Cable Length: 50



Flygt Products
90 Horizon Drive , Suwanee GA 30024
PH: (770) 932-4320
FX: (770) 932-4321





Xylem Water Solutions USA, Inc.
Flygt Products

PRODUCT REPAIR / SERVICE ESTIMATE

Estimate #: R2019-ATL-0302

Date: 11/21/2019

Page 2 of 5

Tag #: 0931

JobName: Water Plant P8

Hydraulic Type:

Installation

Type:

☐ Control

Discharge Size:

☐ MFV

Primary Requirement: Outer seal failure

Repair/Service Requirements and remarks

Upon inspection, we found a screw driver lodged between the prop and the jet ring which caused it to lock up and the seal to fail. Cable was dry rotted and needs replacing.

Parts, Labor and Other Charges

Parts:

Qty	PartNo	Description	Sell Price	Total Price
1	518 89 02	DETECTOR,LEAKAGE UNIT FLS	\$234.00	\$234.00
1	569 65 00	HOUSING,OIL PLASTIC	\$322.00	\$322.00
1	619 64 30	SEAL,MECHANICAL PLUG-IN+ ACTIVE WCCR/WCCR-WCCR/WCCR	\$3,074.00	\$3,074.00
1	84 51 56	SCREW,ALLEN M12 X 70 SS	\$5.40	\$5.40
1	82 62 12	RING,RETAINING OD-66.2MM	\$5.90	\$5.90
1	584 93 00	WASHER,SUPPORTING	\$19.00	\$19.00
2	82 44 19	WASHER,STEEL 55MM ID 68MM OD	\$13.00	\$26.00
1	584 86 01	SLEEVE,STEEL	\$52.00	\$52.00
2	82 44 19	WASHER,STEEL 55MM ID 68MM OD	\$13.00	\$26.00
1	569 69 00	COVER,PLASTIC	\$9.50	\$9.50
50	94 21 06	CABLE,SUBCAB AWG 10/3-2-1-GC+ 21.3MM	\$22.00	\$1,100.00
1	665 68 04	# KIT,REPAIR BASIC R/B 8162400	\$3,090.00	\$3,090.00
2	84 18 02	GROMMET,NBR 23ID 52OD 26L	\$31.00	\$62.00
Total Price				\$8,025.80



Flygt Products
90 Horizon Drive , Suwanee GA 30024
PH: (770) 932-4320
FX: (770) 932-4321





Xylem Water Solutions USA, Inc.
Flygt Products

PRODUCT REPAIR / SERVICE ESTIMATE

Estimate #: R2019-ATL-0302

Date: 11/21/2019

Page 3 of 5

Tag #: 0931

JobName: Water Plant P8

Labor and Other Charges:

Qty	PartNo	Description	Sell Price	Total Price
1	14-69 00 22C	ENV FEE 11-50HP NO TAX TM ENVIRONMENTAL FEE	\$70.00	\$70.00
1	14-69 00 25A	SHOP SUPPLIES-MEDIUM PUMPS TM MISC SHOP SUPPLIES FOR REPAIR	\$52.00	\$52.00
9	14-69 00 02C	LABOR,SVC FLYGT,NO TAX Z3-TM MODELS: 4000	\$130.00	\$1,170.00
4	14-69 00 02C	LABOR,SVC FLYGT,NO TAX Z3-TM MODELS: 4000 fm measurements	\$130.00	\$520.00
		Total Price		\$1,812.00

Total Price: \$9,837.80

Product Replacement

Product Number: 4660.492-ZZZZ

Estimated Delivery: 0 Weeks

Cost of New Unit: \$30,557.00

Description:

Flygt Model SR-4660 Submersible Mixer, Stainless steel (ASTM 304), equipped with a 460 Volt/ 3 phase / 60 Hz 15 HP 580 RPM motor, Prop 5" with Jet ring, 50 Ft. length of SUBCAB 4G6+2x1.5 submersible cable, C/W FLS leakage detector

Terms

Please note: If additional repair requirements are identified during service, the total cost of your repair may change. Should this occur, we will contact you for approval before proceeding.

A signed Purchase Order or approval below must be received before any repair work can begin.

If repaired unit is not picked up or delivered within 5 days of completion, the repair will be invoiced.

Taxes: The prices quoted above do not include any state, federal, or local sales tax or use taxes. Any such taxes as applicable must be added to the quoted prices.

Terms of payment: 100% N30 after invoice date.

Delivery is not included in this repair estimate unless specifically stated.

Please note: If additional repair requirements are identified during service, the total cost of your repair may



Flygt Products
90 Horizon Drive , Suwanee GA 30024
PH: (770) 932-4320
FX: (770) 932-4321





Xylem Water Solutions USA, Inc.
Flygt Products

PRODUCT REPAIR / SERVICE ESTIMATE

Estimate #: R2019-ATL-0302

Date: 11/21/2019

Page 4 of 5

Tag #: 0931

JobName: Water Plant P8

change. Should this occur, we will contact you for approval before proceeding.

Thank you for the opportunity to provide this quotation. Please contact us if there are any questions.

Andrew Stephens

Phone:

Fax:



Flygt Products
90 Horizon Drive , Suwanee GA 30024
PH: (770) 932-4320
FX: (770) 932-4321





Xylem Water Solutions USA, Inc.
Flygt Products

PRODUCT REPAIR / SERVICE ESTIMATE

Estimate #: R2019-ATL-0302

Date: 11/21/2019

Page 5 of 5

Tag #: 0931

JobName: Water Plant P8

Customer Approval

Complete and sign this Approval and return to Xylem Water Solutions USA, Inc with, or in place of, your Purchase Order

I authorize Xylem Water Solutions USA, Inc to proceed for the amount shown above.

☐

Repair

☐

Replacement

Customer Name: _____

Date: _____

Customer Signature: _____

PO #: _____

Ship To:

☐

Will Pick Up

☐

Deliver

☐

Ship To

Ship/Delivery Address:

Bill To:

Taxable:

☐

Yes

☐

No

Tax Exemption Certificate must be on file or tax will be applied to the invoice.



Flygt Products
90 Horizon Drive , Suwanee GA 30024
PH: (770) 932-4320
FX: (770) 932-4321





City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
Chubb Cancer Insurance Policy

SubCategory:	Bid Award/Purchases
Department Name:	Administration
Department Summary Recommendation:	The annual cancer insurance policy for firefighters as required by the State legislature is up for renewal. The recommended renewal is through Chubb Insurance at an annual premium of \$14,688.00.
City Manager's Remarks:	This is required by the Georgia State legislature. Your approval of the annual cancer insurance policy is recommended.
Financial/Budget Certification:	
Legal:	
Associated Information:	

CHUBB

ACE American Insurance Company
 436 Walnut Street
 Philadelphia, PA 19106
 800-352-4462

Group Cancer Insurance Application

Application is hereby made for a plan of Blanket Cancer Insurance based on the following statements and representations:

Policyholder (Full Legal Name): City of Cartersville

Street Address: 19 North Erwin Street

City, State, Zip: Cartersville, GA 30120

The terms and conditions of the requested plan of insurance may vary in certain states as required by the laws of those states. The terms of the policy when issued will govern. It is agreed the insurance applied for will not become effective unless: a) this Application is received and approved by the Insurance Company based on current rules and requirements; b) the Policy is accepted by the Applicant; and c) the required premium is paid when due.

Policy Number: PTP N16744268

Policy Effective Date: January 1, 2020

Policy Term: January 1, 2020 to January 1, 2021

Classes of Eligible Persons:

- ☒ Class 1: All full-time and part-time firefighter employees of the Policyholder as defined in Code Section 25-4-2 who are in Active Service, who have served 12 consecutive months as a firefighter and for whom the required premium has been paid.
- ☐ Class 2: All volunteer firefighters of the Policyholder as defined in Code Section 25-4-2 who are in Active Service, who have served 12 consecutive months as a firefighter, who are not employed by another GA fire department and for whom the required premium has been paid.

For any insurance paid for in part, or wholly, by individual insureds, the Applicant will support enrollment activities and allow all eligible persons an opportunity to enroll. No brochures or any material referencing the requested insurance will be published without the prior written approval of the Insurance Company.

DESCRIPTION OF COVERAGE

Benefits: Cancer Benefits
Disability Benefit

Premiums: \$14,688 per Policy Term

The Applicant represents the information contained in this application is true and correct and forms the basis of the requested insurance.



City of Cartersville

**City Council Meeting
12/19/2019 7:00:00 PM
GMA Membership Dues**

SubCategory:	Bid Award/Purchases
Department Name:	Clerk
Department Summary Recommendation:	The annual membership dues for the Georgia Municipal Association (GMA) are in the amount of \$7,073.19 and are recommended for Council approval.
City Manager's Remarks:	Your approval of the annual membership dues from GMA is recommended.
Financial/Budget Certification:	
Legal:	
Associated Information:	

**GEORGIA
MUNICIPAL
ASSOCIATION**

Membership Dues Invoice

City of Cartersville
Ms. Meredith Ulmer
PO Box 1390
Cartersville, GA 30120-1390

INVOICE #: DUES 20
INVOICE DATE: 11/27/2019
DUE DATE: 1/01/2020
MEMBER #: 372

BILLING DESCRIPTION	AMOUNT
2020 Membership Dues	Base Fee: \$1,474.00
Population 21,141 @ 0.26485	\$5,599.19
	Total Dues: \$7,073.19
RMEBS Program Participation Rebate	\$0.00
	Dues after rebate: \$7,073.19

Remittance advice - Cut here and insert in #10 window envelope



MEMBER #: 372
Total Due: \$7,073.19

PLEASE MAIL PAYMENT WITH REMITTANCE ADVICE TO:

GEORGIA MUNICIPAL ASSOCIATION
PO Box 105377
ATLANTA, GEORGIA 30348

Item # 16



City of Cartersville

City Council Meeting
12/19/2019 7:00:00 PM
Talon Software for Transco Pipeline

SubCategory:	Bid Award/Purchases
Department Name:	Gas System
Department Summary Recommendation:	This was previously approved by council on November 21, 2019, to be ordered from Equipment Controls. Since then, it has been stated that we cannot order through them, and have to go straight to Eagle Research in order for the warranties and maintenance to be handled correctly. Please rescind the previous agenda item and replace it with this one. The Gas System's Transco Delivery point requires a specific software to control gas flowing into the system. This software can monitor the current system pressures and dispatch notifications by e-mail or text to alert Gas System employees of abnormal pressure readings. This software is available from a sole source provider, Eagle Research Corporation, at a cost of \$6,675.00.
City Manager's Remarks:	This was previously approved by council on November 21, 2019, to be ordered from Equipment Controls. It has been brought to our attention that we cannot order through them, and have to go straight to Eagle Research in order for the warranties and maintenance to be handled correctly. We request that you rescind the previous item and replace it with the purchase from Eagle Research. Your approval of the software from Eagle Research Corporation is recommended.
Financial/Budget Certification:	This is a budgeted item.
Legal:	N/A
Associated Information:	


**EAGLE RESEARCH
CORPORATION**

 1076 State Route 34 | Hurricane, WV 25526
 1.877.757.6565 | www.eagleresearchcorp.com

Quotation

RBL19373-ECCO-Cartersville-SCE

Ref: _____

P.O Number: _____

Lead Time: _____

Shipment Insurance Waiver: _____

Customer - Ship to Address

 Name ECCO - City of Cartersville
 Address _____
 City _____ State _____ ZIP _____
 Phone _____ Fax _____
 Attn: Jeff Swart

 Date 11/11/2019
 ERC Contact Richie Lovell
 FOB Hurricane, WV
 Ship Via _____

Item	Qty	Description	Unit Price	TOTAL
1	1	Talon Single Computer Edition (Non-Server Install) (Base Product License) - SCADA and Field Data Management & Storage - (4) Active Serial Comm Ports (Max 32) - (2) Active TCP/IP Ports (Max 32) - Device Scaling 150 Devices Base Level (Max 300 Devices) - Auto-Answer / Auto Poll Scheduling - Talon P-Graphics for Top Level Maps, Charts or System Diagrams - System Management Tools ie. Passwords, Security Access - Station Folder Sorting and Grouping - Includes Circular Chart Capability - XARTU Process Configuration & Programming - Edit Form Text and Graphics Editor - Report Writer & Generator - Multi Pen Historical Quick Trending - Alarm Viewer - Field Device Tool & Wizards - Data Import Utility	\$5,100.00	\$5,100.00
2	1	Alert Server - Text Messaging, E-Mail - Touch Tone Interactive User Call-In for Polling and Current Points / Active Alarm Status - Security Code Access for Multiple Users and Group Assignment Annual Fee of 18.00% of License Fees + Custom Apps	\$1,575.00 \$1,201.50	\$1,575.00 \$1,201.50
	1	Shipping, Handling, Insurance Charges - TBD		
Total				\$6,675.00

CONFIDENTIAL - The data provided herein is proprietary material of Eagle Research Corporation. It is furnished solely for the purposes of evaluating this proposal for contract funding. Any reproduction, use, dissemination, or other disclosure of this material for any other purpose is expressly prohibited.

TERMS:
Price: Price shown is USD and does not include any applicable taxes/duties.

Insurance Waiver: Customer reserves the right to decline freight insurance by returning quote so marked or by email decline

Late Fees: Past Due invoices are subjected to late charges at the rate of 1.5% per month (Annual 18%).

Warranty: 4 Year Parts on all Eagle Research Corporation Manufactured Goods

Quote Validity: 30 Days - NOT VALID WITHOUT TERMS AND CONDITIONS

Quote Revision ERC031518


EAGLE RESEARCH CORPORATION TERMS AND CONDITION
Revision ERC031518

1. Any additional professional services or hardware/software required as a result of changed, unclear, or additional specifications will be invoiced at standard ERC rates.
2. Any additional professional services or hardware/software required during installation, training, or commissioning because of reasons beyond the control of ERC, i.e. grounding problems, field signal incompatibility, or improper installation will be invoiced at standard ERC rates.
3. Invoicing for all hardware/software, professional services, and/or freight charges will be NET 30 Days from actual shipment for Orders delivered to U.S. Stateside Addresses Only. Orders shipped internationally require either an Irrevocable Letter of Credit on a U.S. Bank, or a Wire Transfer received on Date of Shipment from Eagle Research's Manufacturing facility in Hurricane, West Virginia, USA. Past Due invoices are subjected to late charges at the rate of 1.5% per month (Annual 18%).
4. Orders that are asked to be expedited are subjected to a 5% Expedite Fee upon approval of order.
5. Eagle Research Corporation shall not be liable for any delay in performance hereunder due to unforeseen circumstances or due to causes beyond its control, including, but not limited to, acts of nature, acts of government, labor disputes, and delays in delivery or inability to deliver on the part of Eagle Research Corporation's suppliers.
6. Eagle Research Corporation in no event shall be liable for any loss of business or other incidental or consequential damages resulting from the use of the products or software quoted herein.
7. All travel expenses such as food, hotel, and airfares will be invoiced at actual cost unless otherwise stated. Detailed receipts will accompany any and all invoices for expenses when required by customer.
8. Unless other arrangements are agreed upon, an irrevocable and confirmed Letter of Credit or Wire Transfer covering all vendors supplied hardware/software and professional services will be required prior to order acceptance for international business ventures.
9. All quoted prices will remain firm for the specified periods unless unforeseen extraordinary events beyond our control arise and requires cost adjustment. In this event Eagle will advise purchasing 30 days prior to any such change and will provide appropriate documentation to justify this decision. Such examples would be US Tariffs on imported goods, catastrophic events, or cost changes due to allocations of materials that become in short supply by a certain industry or other similar events
10. Currency: U.S. Dollars
11. Prices do not include applicable country taxes, duties or customs fees (including services provided in applicable country).
12. Customer agrees to comply with all applicable United States export restriction laws and regulations concerning export and re-export of products, technology and documentation, including without limitation, the laws and regulation administered by the United States Department of Commerce and the United States Department of State.
13. Any product(s) that need to be returned need to comply with the following: 1) Products must be in unused or new condition, 2) ERC must be notified within 15 business days of receipt of product, 3) ERC will only receive standard products for return (job specific materials may not be returned), 4) Returned materials are subject to an 18% restocking fee, 5) ERC has final approval on any returned materials.
14. Any product(s) returned shall be subject to restocking and recondition charges. Customer shall obtain prior authorization before returning the product. Authorized returned shall be shipped to Eagle Research Corporation's, Hurricane, West Virginia, U.S.A facility delivered duty paid Hurricane, West Virginia (for international sales) or F.O.B Hurricane, West Virginia (for domestic sales). To receive "Return Material Authorization" (RMA) number, please call 1-304-757-6565.
15. Warranty of supplied Non-Manufactured goods are subject VAR warranty terms. No other warranties are expressed or implied.
16. Domestic orders are shipped F.O.B Hurricane, West Virginia unless specified, and international orders are shipped Ex Works Hurricane, West Virginia, U.S.A. All shipping terms shall have meaning set forth in the Uniform Commercial Code (UCC) for domestic sales or in INCOTERMS 2010, as published by International Chamber of Commerce, Paris, France for international sales. Eagle Research Corporation will quote prices for insurance and/or freight upon request.
17. Eagle Research Corp has a standard policy of including Carrier Insurance on all shipments. This insurance can now be declined beginning on March 1, 2018 provided one of the following conditions has been met; the purchase order provided to ERC states clearly that Carrier insurance has been declined, an email declining Carrier insurance that references Quote/Purchase Order number has been sent to orders@eagleresearchcorp.com, or an email is sent to orders@eagleresearchcorp.com stating to globally decline Carrier Insurance for all future shipments. Carrier Insurance protects the receiving party from financial liability should a shipment be damaged or lost by the carrier, if Carrier Insurance is declined then the receiving party assumes all liabilities for lost, delayed, or damaged shipments.
18. Any claim by Customer for product shortages and/or defective products are waived by Customer unless Customer provide notice to Seller within 10 days after Customer's receipt of shipment.
19. Both parties agree not to solicit, hire or cause to be solicited or hired as an employee or contract the services of the other parties' employees during the term of this agreement and for a period of two years after this agreement is terminated.
20. This Agreement and any sales thereunder, unless otherwise specified, shall governed by laws of the State of West Virginia, U.S.A. The United Nations Convention on Contracts for the International Sale of Goods shall not apply. Customer agrees to comply with all United States laws concerning export or re-export of products, related technology and documentations.



EAGLE RESEARCH CORPORATION®

1076 State Route 34 | Hurricane, WV 25526

1.877.757.6565 | www.eagleresearchcorp.com

Field to Front Office Solutions™


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Service/Engineering Billing Schedule	
Classification	ERC Standard
Applications Engineer	\$ 90
Hardware/Firmware Engineer	\$ 110
Senior Technician	\$ 100
Network / IT Services	\$ 75
RMA Technician	\$ 75
Installation Tech Lead	\$ 75
(2) Man Installation Team	\$ 125
On-site Training (Per Day)	\$ 1,200

Memorandum

To: Tamara Brock

From: Michael Hill

Date: December 11, 2019

Re: Talon Control Software – by Eagle Research Corp.

Please find attached a quote for Talon Software from Eagle Research Corporation. This software will allow us the ability to control the gas flow and volume at our new Transco Station remotely from the gas office. This is very important so that we avoid penalties for receiving excess gas from the Transco pipeline. In addition, it will allow us to monitor our system pressure and send text/email notifications to appropriate personnel in the instance of an emergency.

I recommend we purchase this software Eagle Equipment Corporation, at the cost of \$6,675.00. Eagle Research Corporation is maker and sole source provider for this software due to the ongoing licenses fees and custom application involved. Our IT Department has been involved in the planning for use.

This was previously approved by council, to be ordered from Equipment Controls. Since then, it has been stated that we cannot order through them, and have to go straight to Eagle Research in order for the warranties and maintenance to be handled correctly. Please rescind the previous agenda item and replace with this one.



City of Cartersville

**City Council Meeting
12/19/2019 7:00:00 PM
October 2019 Financial Report**

SubCategory:	Monthly Financial Statement
Department Name:	Finance
Department Summary Recommendation:	Attached are the financial reports for October 2019.
City Manager's Remarks:	Tom R. will present this information on Thursday evening.
Financial/Budget Certification:	
Legal:	
Associated Information:	

MONTHLY SUMMARY

As of October 31, 2019

81 # well		FY 2017-18 MONTH OF 9/10/1/2018	FY 2018-19 MONTH OF October-19	FY 2017-18 Year to Date October-18	FY 2018-19 Year to Date October-19	100.00% OF BUDGET (Year to Date)
GENERAL FUND excluding SPLOST, DDA & School System Property Tax Revenue & Expenditures						
REVENUE	\$3,964,684	\$3,593,339	\$8,705,629	\$8,351,655	31.33%	
EXPENDITURE	\$1,932,747	\$2,160,312	\$8,220,961	\$8,994,212	33.75%	
Gen. Fund Net Profit (Loss)	\$2,031,937	\$1,433,027	\$484,668	(\$642,557)		
WATER & SEWER						
REVENUE	\$1,891,549	\$2,015,671	\$8,003,497	\$8,009,083	17.67%	
EXPENDITURE	\$1,710,469	\$3,457,559	\$6,281,577	\$9,413,250	20.77%	
Wtr. & Svr. Fund Net Profit (Loss)	\$181,080	(\$1,441,888)	\$1,721,920	(\$1,404,167)		
GAS						
REVENUE	\$1,612,521	\$1,395,727	\$6,055,902	\$5,670,958	19.66%	
EXPENDITURES	\$2,809,702	\$1,633,253	\$8,136,686	\$6,283,628	21.78%	
Gas Fund Net Profit (Loss)	(\$1,197,181)	(\$237,526)	(\$2,080,784)	(\$612,670)		
ELECTRIC						
REVENUE	\$4,231,883	\$4,252,685	\$18,154,898	\$18,312,446	38.86%	
EXPENDITURES	\$3,994,228	\$3,770,127	\$16,134,108	\$15,978,450	33.90%	
Electric Fund Net Profit (Loss)	\$237,655	\$482,558	\$2,020,790	\$2,333,996		
STORMWATER						
REVENUE	\$125,602	\$125,950	\$500,891	\$583,845	38.19%	
EXPENDITURE	\$333,223	\$109,081	\$731,171	\$447,400	29.26%	
Stormwater Fund Net Profit (Loss)	(\$207,621)	\$16,869	(\$230,280)	\$136,445		
SOLID WASTE						
REVENUE	\$206,322	\$234,537	\$823,781	\$975,436	32.75%	
EXPENDITURE	\$172,727	\$204,719	\$852,359	\$1,051,091	35.30%	
Solid Waste Fund Net Profit (Loss)	\$33,595	\$29,818	(\$28,578)	(\$75,655)		
FIBER OPTICS						
REVENUE	\$184,411	\$208,716	\$745,382	\$771,174	34.77%	
EXPENDITURE	\$152,265	\$142,914	\$726,931	\$545,055	24.57%	
Fiber Fund Net Profit (Loss)	\$32,146	\$65,802	\$18,451	\$226,119		

	Description	10/31/2019	FY 2020 Budget	% of Monthly Totals to Budget
General Fund	Total Revenues	\$8,351,654	\$26,653,300	31.33%
	GO Bond Proceeds from School	\$0	\$0	#DIV/0!
	Property Taxes-City Portion Only	\$703,543	\$3,684,815	19.09%
	Local Option Sales Tax (LOST)	\$1,473,745	\$4,493,260	32.80%
	Other Taxes	\$3,535,146	\$9,106,915	38.82%
	Building Permit & Inspection Fees	\$117,510	\$350,000	33.57%
	Fines and Forfeitures	\$106,334	\$541,845	19.62%
	Operating Transfers In-City Utilities	\$1,001,266	\$3,010,955	33.25%
	Other Revenues	\$1,414,110	\$5,465,510	25.87%
	Total Expenditures	\$8,994,212	\$26,653,300	33.75%
	Personnel Expenses	\$6,372,425	\$18,094,310	35.22%
	Operating Expenses	\$2,236,163	\$7,824,290	28.58%
	Capital Expenses	\$157,774	\$279,000	56.55%
	GO Bond Proceeds from School		\$0	#DIV/0!
	Debt Pymt - JDA/CBA		\$0	#DIV/0!
	Library Appropriations	\$227,850	\$455,700	50.00%
Water & Sewer Fund	Total Revenues	\$8,009,083	\$45,330,345	17.67%
	Water Sales	\$4,982,639	\$11,825,000	42.14%
	Sewer Sales	\$2,672,446	\$6,480,000	41.24%
	Bond Proceeds		\$25,600,000	0.00%
	Use of Reserves		\$844,845	0.00%
	Prior Year Capacity Fees		\$0	#DIV/0!
	Other Revenues	\$353,998	\$580,500	60.98%
	Total Expenditures	\$9,413,251	\$45,330,345	20.77%
	Personnel Expenses	\$1,333,331	\$4,143,850	32.18%
	Operating Expenses	\$1,260,938	\$4,619,210	27.30%
	Capital Expenses	\$4,840,369	\$30,870,000	15.68%
	Transfer To General Fund	\$744,839	\$2,077,820	35.85%
	Debt Payments	\$1,233,774	\$3,619,465	34.09%
Gas Fund	Total Revenues	\$5,670,958	\$28,847,030	19.66%
	Gas Sales	\$4,877,995	\$23,174,055	21.05%
	Gas Commodity Charge	\$481,270	\$2,017,920	23.85%
	Bond Proceeds	\$0	\$0	#DIV/0!
	Proceeds from Capital Leases	\$31,522	\$0	#DIV/0!
	Other Revenues	\$280,171	\$976,810	28.68%
	Use of Reserves	\$0	\$2,678,245	0.00%
	Use of Borrowed Funds	\$0	\$0	#DIV/0!
	Total Expenses	\$6,283,628	\$28,847,030	21.78%
	Personnel Expenses	\$773,699	\$2,265,130	34.16%
	Operating Expenses	\$434,497	\$1,747,450	24.86%
	Purchase of Natural Gas	\$3,691,650	\$16,892,575	21.85%
	Transfer to General Fund	\$1,023,608	\$3,070,825	33.33%
	Debt Service		\$778,365	0.00%
	Capital Expenses	\$360,174	\$4,092,685	8.80%

Item # 18

	Description	10/31/2019	FY 2020 Budget	% of Monthly Totals to Budget
Electric Fund	Total Revenues	\$18,312,446	\$47,128,390	38.86%
	Electric Sales	\$17,784,134	\$45,760,995	38.86%
	Other Revenues	\$528,312	\$1,367,395	38.64%
	Total Expenses	\$15,978,450	\$47,128,390	33.90%
	Personnel Expenses	\$878,961	\$2,557,110	34.37%
	Operating Expenses	\$543,425	\$1,629,795	33.34%
	Purchase of Electricity	\$13,478,179	\$38,970,235	34.59%
	Capital Expenses	\$184,337	\$1,265,410	14.57%
	Transfer to General Fund	\$893,548	\$2,705,840	33.02%
Stormwater Fund	Total Revenues	\$583,845	\$1,528,800	38.19%
	Stormwater Revenues	\$501,607	\$1,482,800	33.83%
	Mitigation Grant Revenue	\$0	\$0	#DIV/0!
	Other Revenues	\$7,674	\$10,000	76.74%
	Proceeds from Capital Leases	\$74,564	\$36,000	207.12%
	Use of Reserves	\$0	\$0	#DIV/0!
	Stormwater Improvement Funds	\$0	\$0	#DIV/0!
	Total Expenses	\$447,400	\$1,528,800	29.26%
	Personnel Expenses	\$268,260	\$794,345	33.77%
	Operating Expenses	\$177,952	\$618,920	28.75%
	Capital Expenses	\$1,188	\$115,535	1.03%
Solid Waste Fund	Total Revenues	\$975,436	\$2,978,000	32.75%
	Refuse Collections Revenues	\$917,165	\$2,774,000	33.06%
	Other Revenues	\$19,401	\$49,000	39.59%
	Proceeds From Capital Leases	\$38,870	\$155,000	25.08%
	Total Expenses	\$1,051,092	\$2,978,000	35.30%
	Personnel Expenses	\$469,621	\$1,298,360	36.17%
	Operating Expenses	\$433,320	\$1,524,640	28.42%
	Capital Expenses	\$148,151	\$155,000	95.58%
Fiber Optics Fund	Total Revenues	\$771,174	\$2,218,200	34.77%
	Fiber Optics Revenues	\$685,949	\$2,004,000	34.23%
	GIS Revenues	\$37,450	\$113,200	33.08%
	Proceeds from Capital Leases	\$0	\$0	#DIV/0!
	Other Revenues	\$47,775	\$101,000	47.30%
	Total Expenses	\$545,055	\$2,218,200	24.57%
	Personnel Expenses	\$229,229	\$714,740	32.07%
	Operating Expenses	\$255,566	\$884,140	28.91%
	MEAG Telecom Statewide Pymt	\$0	\$0	0.00%
	Debt Payment	\$2,664	\$15,305	0.00%
	Capital Expenses	\$57,596	\$604,015	9.54%

Item # 18

81 # wa1

Cash Position

	6/30/19	7/31/19	8/31/19	9/30/19	10/31/19	11/30/19	12/31/19
Total Unrestricted Cash Balance	\$40,251,710.03	\$38,457,488.25	\$38,434,130.27	\$36,851,955.48	\$36,132,465.23		
Total Restricted Cash Balance	\$181,915,991.66	\$182,495,420.52	\$182,048,662.93	\$183,186,838.49	\$183,276,219.06		

Cash Position	1/31/20	2/28/20	3/31/20	4/30/20	5/31/20	6/30/20
---------------	---------	---------	---------	---------	---------	---------

Total Unrestricted Cash Balance
Total Restricted Cash Balance

Highlights for the Month of October 2019:

Unrestricted cash decreased due to decreases in the Water, Gas, General, Stormwater, Workers Comp, property & Casualty, and Garage funds, and were offset by increases in the Fiber, Electric, Workers Comp, Solid Waste, and Grant funds.

Restricted cash increased due to increased cash in the Debt Service, Motor Vehicle Rental, Hotel Motel, SPLOST 2003, GO Parks & rec Bond (tax collections) and Pension funds. However, the following fund had a large decrease that offset the increases mentioned above: SPLOST 2014 Fund.