

**CITY OF MONROE  
PUBLIC ENTERPRISE COMMITTEE  
300 W. CROWELL STREET, MONROE, NC 28112  
THURSDAY, DECEMBER 5, 2024 - 2:30 PM  
AGENDA  
[www.monroenc.org](http://www.monroenc.org)**

1. Public Enterprise Committee Meeting Minutes of November 5, 2024
2. Contract Award - Richardson Creek Outfall Interceptor Gravity Sewer Main Rehabilitation

Public Enterprise Committee Minutes  
November 5, 2024  
City Hall Conference Room  
4:00 p.m.

Members Present: Council Member James Kerr (Chair), Council Member Julie Thompson,  
Council Member Franco McGee

Staff: Mark Watson, Terry Sholar, Scott Clark, Rob Miller, Lisa Strickland,  
Sarah McAllister, Richard Long, Stephen Buchanan, Dali Santiago,  
Sandra Slifer

Council Member Franco McGee called the November 5, 2024 Public Enterprise Committee meeting to order at 4:10 p.m.

**Item #1: Adoption of Minutes of the October 1, 2024 Meeting**

**Recommendation:**

Council Member Franco McGee asked if anyone had any questions or concerns about the minutes, if not, if anyone would like to make a motion that the minutes of the October 1, 2024 Public Enterprise Committee be approved.

**Motion:** Adopt October 1, 2024 meeting minutes

**Motion made by:** Council Member Julie Thompson

**Second:** Council Member Franco McGee

**Voting:** **In Favor** – Council Member Julie Thompson, Council Member Franco McGee  
**Opposed** – None

**Action:** Motion approved

**Item #2: NCDOT TIP Project BR-0049, Concord Avenue Bridge over Hwy 74/NC200 Replacement – NCDOT Utility Construction Request**

**Recommendation:**

Water Resources is requesting Public Enterprise Committee to consider a Utility Construction Request (UCR) for utility relocation of existing water and sewer facilities along Hwy74/NC200 as well as Concord Avenue in coordination with an NCDOT bridge replacement project.

**Presentation and Discussion:**

Scott Clark, Director of Water Resources advised that NCDOT is in the early stages of design and right-of-way acquisition for their TIP Project BR-0049 which involves replacing Concord Avenue bridge over Hwy 74/NC200. This project includes demolishing the existing bridge and construction of a new bridge due to the existing bridge age and it is approaching the end of

useful service life. As part of the bridge replacement, multiple City of Monroe water and sewer facilities will be impacted and will required relocation.

Due to the nature of NCDOT projects of this sort, it is best to coordinate the design and work for the relocated water and sewer facilities with the NCDOT throughout the project undertaking.

This coordination includes utilizing an NCDOT approved engineering firm to do the design as well as having the sewer facilities relocation incorporated in the NCDOT contract for bridge replacement. Without this coordination, the City of Monroe would be required to complete the design in conjunction with NCDOT design and obtain the services of a contractor to do the water and sewer relocation in sequence with the construction activities of the NCDOT bridge contractor. According to NCDOT policy, municipalities with utilities encroaching in an NCDOT right-of-way are required to pay a position of the cost for relocation of the utilities. This portion is based upon population. The City of Monroe, with a population below 50,000 would need to pay 25% of the relocation cost.

The UCR is the document produced by NCDOT to allow for government bodies to request such coordination. This document is used to make a request once plans are finalized and the NCDOT has an estimate of cost. Once the request is made, there will be an agreement executed between the NCDOT and the City of Monroe. This agreement includes an estimated cost, with final cost being based upon actual cost of engineering, right-of-way acquisition and construction. Funding will be appropriated at the time of the agreement.

**Motion:** Authorization for the City Manager to sign the UCR and recommend forwarding to City Council for consideration on the November 18, 2024 consent agenda.

**Motion made by:** Council Member Julie Thompson

**Second:** Council Member Franco McGee

**Voting:** **In Favor** – Council Member Julie Thompson, Council Member Franco McGee

**Opposed** – None

**Action:** Motion approved

### **Item #3: Contract Award – Curtis Street Area Main Replacement Project**

#### **Recommendation:**

Water Resources is requesting the Public Enterprise Committee to consider a contract award for the replacement of approximately 3,300 linear feet of existing 8-inch water line, 950 linear feet of existing 6-inch water line, and 1,600 linear feet of existing 2-inch water line in the Curtis Street area.

#### **Presentation and Discussion:**

Stephen Buchanan, Water Resources Senior Engineer provided details regarding the formal bid proposals received on November 1, 2024. Responsive bids were received from Dawn Development Company, Inc. for \$1,445,879.05 and from State Utility Contractors, Inc for \$2,855,191.90. This project is being paid for by the American Rescue Plan Act (ARPA) which the City of Monroe was awarded a \$1,375,000 grant to design and replace the existing water line

infrastructure in the Curtis Street Area. To comply with the terms in the ARPA grant funding, the City of Monroe is required to have the fund encumbered by December 31, 2024. An additional \$60,326.05 is needed to cover completion and construction of the project and a Budget Ordinance is requested to provide this funding.

**Motion:** Approve Budget Ordinance BO-2024-15 and recommend a motion to award the contract for the Curtis Street Area Main Replacement to Dawn Development Company, Inc. in the amount of \$1,445,879.05, authorization for the City Manager to execute the necessary documents and send to Council for approval on the November 18, 2024 consent agenda.

**Motion made by:** Council Member Julie Thompson

**Second:** Council Member Franco McGee

**Voting:** **In Favor** –Council Member Julie Thompson, Council Member Franco McGee

**Opposed** – None

**Action:** Motion approved

#### **Item #4: Lead and Copper Rule Revision (LCRR) Compliance Update (Information Only)**

##### **Presentation and Discussion:**

The City of Monroe has a population of approximately 35,523 residents, served by 15, 135 water service laterals (domestic, irrigation, fire line, process) of which 8,822 are known not to be Lead Service Line (LSL). The City of Monroe maintains water services from the water main to the meter box have been inventoried. The City of Monroe does not maintain the service lines past the meter box. During the LSL inventory study conducted by Garver Engineers and Consultants, they identified 6,313 lead status unknowns. This means there are 6,313 service lines on the customer side of the meter box where the service line material is unknown. The EPA requires that any customers with unknown service lines receive a notification letter by mail from the City.

To prepare for this, Water Resources is working with Garver to prepare template letters to send to customers, where the customer side of the service line material is unknown. Moving forward, Water Resources crews will methodically work through the list of 6,313 unknown services which will be completed by the fall of 2027. This will insure that the City of Monroe maintain compliance with Lead and Copper Rule Revision.

#### **Item #5: Army Corps Water Infrastructure Financing Program Update**

##### **Presentation and Discussion:**

Scott Clark, Director of Water Resources provided an update and is seeking input from the Public Enterprise Committee regarding a US Army Corps of Engineers (USACE), Water Infrastructure Financing Program opportunity for future Capital Improvement Projects on our Dams.

In November 2023, Water Resources presented information to the Public Enterprise Committee regarding a low-interest funding/financing opportunity for infrastructure projects. At that time, the Public Enterprise Committee directed staff to proceed with the preliminary application process. To assist with the process, Hazen & Sawyer Engineering Consultants was utilized to conduct comprehensive dam inspections and assist with the funding application process. Hazen & Sawyer recently completed the comprehensive inspections on the three (3) dams (Lake Twitty, Lake Lee and Lake Monroe). The Engineers identified repairs are needed on the infrastructure and Preliminary Engineering Reports (PER) should be conducted. Water Resources will request funding in Fiscal Year 2026 budget process to conduct the Preliminary Engineering Reports.

The US Army Corps of Engineers has formally notified Water Resources that we were selected to submit a full application for the City of Monroe Dam Improvement Project. We have one (1) year from the date of notification (September 9, 2024) to submit our full applications through the Corps Water Infrastructure Financing Program portal. For planning purposes, the USACE have requested we notify them if we will accept or decline this invitation by November 8, 2024.

Mr. Clark advised that Water Resources is in a position to release a crew to assist and still maintain our needs here at home. He further stated that all Water Resources staff has completed all FEMA required training and other training identified in the agreement. To do this, we will need to have the WARN agreement signed. Mr. Watson requested direction from Public Enterprise Committee regarding the execution of the Agreement and will discuss the Agreement with other Council Members.

|                               |                                                                                                                                  |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Motion:</u></b>         | Direct Water Resources to proceed with submitting a full application for the low-interest funding/financing opportunity.         |
| <b><u>Motion made by:</u></b> | Council Member James Kerr                                                                                                        |
| <b><u>Second:</u></b>         | Council Member Franco McGee                                                                                                      |
| <b><u>Voting:</u></b>         | <b>In Favor</b> – Council Member James Kerr, Council Member Julie Thompson, Council Member Franco McGee<br><b>Opposed</b> – None |
| <b><u>Action:</u></b>         | Motion approved                                                                                                                  |

#### **Item #6: Town of Mooresville Potential Interbasin Transfer Request (Discussion Only)**

##### **Presentation and Discussion:**

Scott Clark, Director of Water Resources provided information regarding the Town of Mooresville potential Interbasin Transfer Request, their alternative options, and how it may impact the City of Monroe.

The Town of Mooresville is evaluating options to increase their wastewater treatment capacity for their rapidly expanding community. They obtain their water supply from Lake Norman in the Catawba – Wateree River Basin and discharge their treated wastewater into an unnamed tributary to Dye Creek, in the Yadkin – PeeDee river basin. They have a permit to transfer up to 9.54 million gallons per day (MGD) of water from one basin to the other. They are reviewing three options:

1. Continue existing discharge and expand capacity at the current wastewater treatment plant and continue to discharge solely to Dye Branch. This would require an IBT Certificate with a total transfer of 12.6 MGD on an average day over the maximum calendar month basis.
2. Expand capacity at the current wastewater treatment plant and build a pipeline to discharge a portion of the treated wastewater into Lake Norman in the Catawba River Basin, allowing the Town to stay under the legacy IBT allowance.
3. Divert a portion of untreated wastewater to Charlotte Water's system for treatment at the McDowell Wastewater Treatment Plant, which discharges to a tributary flowing into Mountain Island Lake (Catawba River Basin), allowing the Town to stay under the legacy IBT allowance.

As a stakeholder in the Catawba – Wateree and Yadkin – PeeDee River basin any increased wastewater discharge to the Yadkin – PeeDee River basin by another utility, may impede our ability to discharge additional effluent from our wastewater treatment plant in the future. These increased flows may require the City of Monroe to conduct extensive research to determine if the basin can handle the volume, once we are required to expand our treatment above 15.4MGD.

Water Resources Staff has requested and the Public Enterprise Committee agreed to forward to City Council to be placed on the November 18, 2024 Strategic meeting.

## **Item #7: Rate Study and System Development Fee Update**

### **Presentation and Discussion:**

Scott Clark, Director of Water Resources provided a status update on the Rate Study, System Development Fees, and the required actions necessary to move forward with the recommendations.

The City of Monroe hired Raftelis to evaluate and develop cost-justified water and sewer system development fees. Raftelis has completed a draft report that is ready for public input. North Carolina law requires the Water and Sewer System Development Fee report to be posted on the City of Monroe's website for a 45-day public comment period. The draft report was published on the website on October 23, 2024. All comments will be forwarded to Raftelis for review. Raftelis must consider any comments made during this period and prepare possible modifications or revisions into the final report. Prior to adopting the system development fees, a Public Hearing must be scheduled. Once the Public Hearing is held, the City Council can proceed with adoption of the fees.

**Recommendation:** Forward to City Council to be placed on the agenda for the Strategic Meeting on November 18, 2024, a presentation by Raftelis of the draft report, rate study information, and schedule a Public Hearing to be held at the December 10<sup>th</sup> Regular Council Meeting.

**Agreement:** **In Favor** – Council Member James Kerr, Council Member Julie Thompson, Council Member Franco McGee

**Opposed – None**

**Additional Discussion:**

Robert Miller, Director of Energy Services, advised that on October 31, 2024 the Blackbelt Prepay Transaction between the City of Monroe and ATI was finalized. This transaction will result in \$0.45/DT savings. Of that, \$0.20/DT savings will be allocated to ATI, \$0.20/DT to the City and /\$0.05 to Blackbelt for administrative fee. This will be savings for ATI of \$231,000 annually and \$231,100 revenue to the Natural Gas Division.

There being no further business, the meeting is adjourned at

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James Kerr, Chair

**Next Meeting** – December 5, 2024



## STAFF REPORT

**TO:** Public Enterprise Committee

**VIA:** William M. Watson, City Manager

**DATE:** December 3, 2024

**FROM:** Scott Clark, Water Resources Director

**PREPARED BY:** W. Cole Hancock, Civil Engineer I

**SUBJECT:** Contract Award – Richardson Creek Outfall Interceptor Gravity Sewer Main Rehabilitation

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### SUMMARY STATEMENT

Public Enterprise Committee is requested to consider a contract award for the complete rehabilitation of approximately 2,165 LF of the 18” Richardson Creek Outfall Interceptor located within the City of Monroe Golf Course. Recent inspections have shown the line to be in critical condition and in need of immediate rehabilitation. Manhole rehabilitation is included in the project scope.

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### REVIEW

The Water Resources Department received informal quotes for Cured In Place Pipe (CIPP), manhole rehab, Pre-lining CCTV, and Cleaning services of the Richardson Creek Outfall Interceptor. The project involves the water inversion CIPP lining of the 18” gravity outfall sewer main and cementitious coating of manholes located inside the City of Monroe golf course.

Responsive quotes were received from the following contractors.

| Contractor                   | Proposal     |
|------------------------------|--------------|
| Insituform Technologies, LLC | \$298,665.22 |
| AM –Liner East, Inc.         | \$305,343.00 |
| Bio-Nomic Services, Inc.     | \$356,435.00 |
| S.A.K. Construction, LLC     | \$369,097.50 |
| Vortex Companies.            | \$587,435.00 |

For this Contract, staff is recommending to award Bio-Nomic Services, Inc. with the contract amount of \$356,435.00. Recommendation is based on the following:

- Ability to line gravity sewer main from single location
- Ability to CCTV and clean from just two locations.
- Detailed specifics in quote on thickness of liner used, manhole rehab material used warranty information, assurance of ability to schedule and perform work, and bypass time required.
- Most noninvasive means of traversing City of Monroe Golf Course.
- Positive experience on previous contracts

Reasons for withholding contract award to Insituform Technologies, LLC,

- Inability to line gravity sewer main from one location.
- Inability to CCTV & clean from just two locations.
- Considerably longer estimated bypass pumping time required, which the additional pumping cost will bring their final cost closer to that of Bio-Nomic Services, LLC.
- Negative experience on recent contracts and quote process with the City of Monroe.

Reasons for withholding contract award to AM-Liner East,

- No previous experience with the City of Monroe
- Poor details given on quote regarding means/methods, material specifications, scheduling, and warranty information.
- Inability to clean from just two locations.
- Longer pumping time

Budgeted funds are currently available for this project.

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### **RECOMMENDATION**

It is the recommendation of Staff that Public Enterprise Committee take the following action:

Staff recommends a motion to award the contract for the rehabilitation of the Richardson Creek Outfall Interceptor to Bio-Nomic Services, Inc., in the amount of \$356,435.00, authorization for the City Manager to execute the necessary documents and send to Council for approval on the December 10<sup>th</sup> consent agenda.

Attachments:

- Quote(s) received from Bio-Nomic Services, Inc.



# **BIO-NOMIC SERVICES**

*A Carylon Company*

530 Woodlawn Street  
Belmont, NC 28012  
p: (704) 529-0000  
f: (704) 529-1648  
www.bio-nomic.com

October 26, 2024,

Proposal # 24356

## **PROPOSAL**

**Cole Hancock, E.I.**

Civil Engineer I

City of Monroe, Water Resources Department

(704) 282-4613

[whancock@monroenc.org](mailto:whancock@monroenc.org)

## **RE: FY2025A Project**

Clean, CCTV pipes as requested by direction of maps and customers' approval. All debris will be removed from sections, but if the pipe starts to appear to become compromised the rough edges will be rounded but pipe will not be completely cleaned in ductile iron or cast-iron sections. Debris removed from the lines will be dumped at an approved facility locally at no cost to Bio-Nomic Services. All access to manholes / Catch basins, water, traffic control if required, by-passing or flow control will need to be provided by the owner.

## **BIO-NOMIC SERVICES, INC. SHALL FURNISH:**

All labor, materials, equipment, and supervision necessary to prepare and rehabilitate the sewer lines and manholes. All work will be done in accordance with manufacturers' recommendations and current industry standards.

## **Clean & CCTV Liner**

- Pre & Post Clean Videos will be given in the deliverable with design

## **OWNER SHALL FURNISH:**

- Complete openings, access, and rights of way to the work area including easements.
- An area to operate and clean our equipment.
- All disposal costs and coordination that may be required for water and debris.
- Removal of hardened material adhering to pipe walls such as mineral deposits, cementitious grout, asphalt, etc. Other than requested per job.
- Bypass pumping of flows and/or dewatering if necessary.
- Traffic control, other than cones and non-directional signs, by others (if required).
- A secure site to store our equipment.
- An approved dumpsite within 10 miles of the job location.
- Any licenses, fees or permits that may be required.

## PRICING

| Item Description                                            | Est. Qty. | Unit | Unit Price  |
|-------------------------------------------------------------|-----------|------|-------------|
| Mobilization for Crews                                      | 1         | LS   | \$3,000.00  |
| Light Clean and CCTV 18" Defined in specifications received | 2,165'    | LF   | \$5.00      |
| Heavy Clean and CCTV 18" Defined in specifications received | 2,165'    | LF   | \$3.00      |
| Mechanical Cleaning 18" Defined in specifications received  | 2,165'    | LF   | \$7.00      |
| Estimate for Clean and CCTV without Mechanical Cleaning     |           |      | \$20,320.00 |

### NOTES:

- Every attempt will be made to clean and rehabilitate these pipes, however, during the progress of our services, should we encounter structural defects or failure in the pipeline, such will be reported to the owner, but under no condition are we to be held responsible for any correction or repair.
- To clean and CCTV this pipe we will utilize are offroad units they are mounted on 6-wheel golf cart with Around 2,000 lf of cable we have the capability of moving around a golf course with no destruction to the property. We also have easement jetting units that sit on a rubber track system and can also maneuver without damaging any property. Those units possess the ability to jet 1500 lf without the need to bring our Jet/vac unit to only 2 locations on the map received at M79 and M75.
- This Pricing does not include any restoration that will be required of the City of Monroe to repair the golf course. The UV product will require Access to every manhole.
- We have submitted this proposal in good faith, under the assumption the information provided is accurate and the description and scope and intentions of this project are accurate. We reserve the right to modify this proposal if the conditions vary widely. The pricing is submitted under the assumption that the job will be completed as a whole. Additional mobilizations for stoppages beyond our control will need to be negotiated.

### TERMS:

See attached General Terms and Conditions.

If this proposal is acceptable, please sign where indicated below and return with your order so that we may schedule the work. Thank you for the opportunity to quote this project.

Thank you for the opportunity to quote this project. We look forward to working with you.

Sincerely,

*William Robertson*

William Robertson

ACCEPTED this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

\_\_\_\_\_  
Purchaser

By \_\_\_\_\_  
Name and Title

## GENERAL TERMS AND CONDITIONS

**General Conditions:** These general conditions are incorporated by reference into the proposal and are part of the Agreement under which services are to be performed by the Contractor for the Customer. Contractor will follow Customer's instructions both verbal and written at all times.

**Customer Provided Labor:** Where the Customer provides labor for the Contractor, the Customer will indemnify the Contractor for liability, loss, or expense for work related injuries to those laborers not provided by the Contractor. The Customer agrees to waive all rights of subrogation against the Contractor arising out of the work in this Agreement.

**Customers Responsibilities:** Customer will provide mechanical services. Operation and control of Customer's equipment is the Customer's responsibility. If Contractor cannot continue its work due to circumstance caused or allowed by Customer and of which Contractor was not apprised prior to starting the work, an hourly fee will be charged.

**Damage Limitations:** Under no circumstances will the Contractor be responsible for indirect, incidental, or consequential damages. The Contractor also is not responsible for the rendering of or failure to render architectural, engineering or surveying professional services.

**Pre-existing Conditions:** The Contractor will not be responsible for liability, loss, or expense (including damage caused by the backup of basement sewers) where the primary cause of the claim or damage is pre-existing conditions including faulty, inadequate, or defective design, construction, maintenance or repair of property or contamination of the subsurface where the condition existed prior to the start of the Contractor's work. Customer is responsible for loss of service equipment caused by the pre-existing conditions at the job site.

**Environmental Conditions:** The debris is represented to Contractor to be non-hazardous, requiring no manifesting or special permitting. The Customer will be responsible for any additional costs or claims associated with the treatment, storage, disposal of the removed debris, or breach of the above representation, at any time during or after the completion of this project.

**Indemnification:** The Customer and the Contractor will each indemnify the other in proportion to relative fault for liability, loss and expense incurred by the other party resulting from a negligent act or omission in performance of work under this Agreement. The Customer also will indemnify Contractor for liability, loss and expense resulting from Contractor's services if the Contractor is acting at the direction or instruction of the Customer, or where the primary cause of any damages is due to information provided by the Customer.

**Credit Policy:** Regular Terms are Net 30 Days. The company may charge interest at the rate of 1-1/2% per month on all invoices outstanding 60 days past invoice date. Credit card payments are subject to a 3.5% convenience fee.

**Pricing Adjustments:** A fuel surcharge will be included on pricing based on Department of Energy EIA Energy Information Administration weekly rates; Any increases in material costs during the project will be included as an increased adjustment to the invoice. If this proposal should develop into a long-term project the pricing will be adjusted yearly based on the municipal cost index published in The American City & County magazine.

**Entire Agreement:** This proposal together with any written documents which may be incorporated by specific reference herein constitutes the entire agreement between the parties and supersedes all previous communications between them, either oral or written. The waiver by Contractor of any term, condition or provision herein stated shall not be construed to be a waiver of any other term, condition, or provision hereof.



# BIO-NOMIC SERVICES

*A Carylon Company*

530 Woodlawn Street  
Belmont, NC 28012  
p: (704) 529-0000  
f: (704) 529-1648  
[www.bio-nomic.com](http://www.bio-nomic.com)

September 25, 2024,

Proposal # 24318

## **PROPOSAL**

**Cole Hancock, E.I.**

Civil Engineer I

City of Monroe, Water Resources Department

(704) 282-4613

[whancock@monroenc.org](mailto:whancock@monroenc.org)

## **RE: FY2025A Project**

Water inversion/ Water cure CIPP, and 1" Cementitious coating of Manholes and pipes as requested per direction of maps and customers approval. All debris will be removed from sections, but if the pipe starts to appear to become compromised the rough edges will be rounded but pipe will not be completely cleaned in ductile iron or cast-iron sections. Debris removed from the lines will be dumped at an approved facility locally at no cost to Bio-Nomic Services. All access to manholes / Catch basins, water, traffic control if required, by-passing or flow control will need to be provided by the owner.

## **BIO-NOMIC SERVICES, INC. SHALL FURNISH:**

All labor, materials, equipment, and supervision necessary to prepare and rehabilitate the sewer lines and manholes. All work will be done in accordance with manufacturers' recommendations and current industry standards.

## **CIPP Liner and Manhole rehab**

- Pre & Post Videos will be given in the deliverable with design
- Air inversion & Steam Cure for these segments
- A 2-year contractor warranty will be given for the work, but will be voided when the line or grouted area at wall is cut, bored into, Act of God, or etc...
- Liner designed for a 50-year lifespan.
- Manhole rehab will be performed with SewperCoat with 100% calcium aluminate material that also has a 10-year warranty

## **OWNER SHALL FURNISH:**

- Complete openings, access, and rights of way to the work area including easements.
- An area to operate and clean our equipment.
- All disposal costs and coordination that may be required for water and debris.
- Removal of hardened material adhering to pipe walls such as mineral deposits, cementitious grout, asphalt, etc. Other than requested per job.
- Bypass pumping of flows and/or dewatering if necessary.
- Traffic control, other than cones and non-directional signs, by others (if required).
- A secure site to store our equipment.
- An approved dumpsite within 10 miles of the job location.
- Any licenses, fees or permits that may be required.

## **PRICING**

| Item Description                                                                                     | Est. Qty. | Unit | Unit Price   |
|------------------------------------------------------------------------------------------------------|-----------|------|--------------|
| Mobilization for Crews                                                                               | 1         | LS   | \$6,000.00   |
| Water Cure CIPP 18" @ 13.5 MM Defined in specifications received at 25' depth as informed at meeting | 2,165     | LF   | \$131.00     |
| Manhole Rehabilitation Sewper Coat at 1 " thickness Estimated @ 100 VF                               | 100       | VF   | \$525.00     |
| Estimate for Water CIPP without Mechanical Cleaning                                                  |           |      | \$336,115.00 |

### **NOTES:**

- Every attempt will be made to clean and rehabilitate these pipes, however, during the progress of our services, should we encounter structural defect or failure in the pipeline, such will be reported to the owner, but under no condition are we to be held responsible for any correction or repair.
- We are proposing to Install a water inversion water cure liner from manhole M79 backwards to M83 in one single shot and then install from M79 to M75, we would utilize a golf cart to remove excess material of the liner in the manhole leaving the bench and inverts intact. Not to require any other repair in these manholes. Estimated 2 weeks of bypass.
- We are proposing to rehabilitate these manholes with 1" of material as requested we will need to Access the manholes with a trailer unit that would be pulled with our off-road unit so to not destroy the golf course property.
- This Pricing does not include any restoration that will be required of the City of Monroe to repair the golf course. The UV product will require Access to every manhole.
- We have submitted this proposal in good faith, under the assumption the information provided is accurate and the description and scope and intentions of this project are accurate. We reserve the right to modify this proposal if the conditions vary widely. The pricing is submitted under the assumption that the job will be completed, as whole. Additional mobilizations for stoppages beyond our control will need to be negotiated.

### **TERMS:**

See attached General Terms and Conditions.

If this proposal is acceptable, please sign where indicated below and return with your order so that we may schedule the work. Thank you for the opportunity to quote this project.

Thank you for the opportunity to quote this project. We look forward to working with you.

Sincerely,

*William Robertson*

William Robertson

ACCEPTED this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

\_\_\_\_\_  
Purchaser

By \_\_\_\_\_  
Name and Title