

# *Lower Bucks County Joint Municipal Authority*

## *Board Meeting Minutes ~ January 28, 2022*

The Board Directors of Lower Bucks County Joint Municipal Authority held their monthly meeting on Thursday, January 28, 2022 at the Authority's Administration Building located at 7811 New Falls Road, Levittown, Pennsylvania 19055.

### **Call to Order**

Mr. Glasson, Chairman, called the meeting to order at 7:00 P.M., which was followed by the Pledge of Allegiance. Mr. Glasson asked everyone to take a moment for all those who keep us safe every day.

### **Roll Call**

Mrs. Burnell took roll call as follows:

**Present:** Michele Hammar  
Joseph Glasson  
Bryan Servis  
Cynthia Murphy  
Michael Sidoti

**Absent:** John Monahan

**Also Present:** Vijay S. Rajput, Ph.D., P.E., Managing Director  
Phil Smythe, Field Technician/LS Supervisor  
Mike Andrews, WWTP Manager/ Engineering Assistant  
Nancy Burnell, Meter Department Supervisor  
Colleen Dunn, Finance Manager  
Francis Dillon, Esquire

### **Reorganization:**

#### **Position – Chairman**

**Motion:** Mrs. Murphy made a motion for Mr. Glasson as Chairman, seconded by Mr. Sidoti.

#### **Roll Call on the Motion**

Mr. Servis                      Aye  
Mrs. Murphy                  Aye  
Mrs. Hammar                  Aye  
Mr. Sidoti                      Aye  
Motion carried unanimously

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### **Position – Vice Chairman**

**Motion:** Mrs. Murphy made a motion for Mr. Sidoti as Vice Chairman, seconded by Mr. Servis.

### **Roll Call on the Motion**

Mr. Servis	Aye
Mrs. Murphy	Aye
Mr. Glasson	Aye
Mrs. Hammar	Aye

Motion carried unanimously

### **Position – Secretary**

**Motion:** Mrs. Murphy made a motion for Mrs. Hammar as Secretary, seconded by Mr. Servis.

### **Roll Call on the Motion**

Mr. Servis	Aye
Mr. Glasson	Aye
Mrs. Murphy	Aye
Mr. Sidoti	Aye

Motion carried unanimously

### **Position – Treasurer**

**Motion:** Mr. Sidoti made a motion for Mrs. Murphy as Treasurer, seconded by Mrs. Hammar.

### **Roll Call on the Motion**

Mr. Servis	Aye
Mr. Glasson	Aye
Mrs. Hammar	Aye
Mr. Sidoti	Aye

Motion carried unanimously

### **Position – Assistant Treasurer**

**Motion:** Mrs. Murphy made a motion for Mr. Servis as Assistant Treasurer, seconded by Mrs. Hammar.

### **Roll Call on the Motion**

Mr. Glasson	Aye
Mrs. Murphy	Aye
Mr. Sidoti	Aye
Mrs. Hammar	Aye

Motion carried unanimously

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## **Position – Assistant Secretary**

**Motion:** Mrs. Murphy made a motion for Mr. Monahan as Assistant Secretary, seconded by Mr., Sidoti

### **Roll Call on the Motion**

Mr. Glasson	Aye
Mrs. Hammar	Aye
Mr. Sidoti	Aye
Mrs. Murphy	Aye
Mr. Servis	Aye

Motion carried unanimously

## **Public Participation**

Mr. Mike Nye, resident of Indian Creak Section of Levittown stated that I am a member of the EAC of Bristol Township. Mr. Niel stated that I think you should understand why I'm concerned about the minutes. I come here because this organization is the most important organization in Levittown as its Levittown Water system could quite easily be poisoned at once. Beyond the mechanics of the organization, the only thing I care about are those things that directly affects the mechanics of the organization including its chemistry, plumbing, Chief engineer, senior foremen, if they should be in imperiled somehow, that is important to protect because they are not easily replaced.

Another thing I care about is the minutes; this is your public face. The public doesn't come here very often unless they want something. It's the only way you come under public scrutiny as a public organization. Quite a few people do read your minutes. So, last summer when we had that long gap of no minutes, 90 or 120 days depending on how you count, that was important to me. We had that conversation here; I noticed that when the November meeting minutes came out the only part of the conversation that was recorded was my end of it. Most of you had a response, a good response. I hadn't remembered what the responses were, I did want to respond to them, but I couldn't remember what you said. It's not in the November minutes, that's a problem. The October minutes weren't published until this year. I didn't expect the November minutes to be published until the new year. But the October minutes should have been published.

I will talk about a newsletter. I would suggest publishing a newsletter once a summer every year. You're going to have a blank space in August, this is understandable, you're not going to meet in August. That blank space could be filled. Make public speeches, no one stands up at the Borough or Township to give an annual state of the Authority speech. Meeting minutes publishes Chief Engineer's what Chief Engineer speaks about how many pipes have been lined and see when reports are made to Pennsylvania. We really do need to see more than this. A newsletter you could state your financial status, how you're looking toward the future, how the population is changing. You could state that you are relining the pipes, you could state the condition of the system and why you're

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working on it, what you anticipate in the future. You could state what the demands are from local governments and Delaware River Basin Commission. The newsletter is a wonderful place for this. The Treasurer, Chief Engineer and the Chairman of the board could give a statement of this Authority this year and what they look for. If you wrote that in May and June, discussed in June and July and published in August this would fill that gap and it would fill a tremendous void that our minutes cannot. I think that this is very important. I think that it is very important that the minutes reflect the decisions here. The only people that hear that discussion in November was me and you. These people have no idea what I'm talking about, nor could they know, it wasn't in the minutes. Minutes should not be delayed months. They could be posted on website the next day.

Dr. Rajput, these are good suggestions, and as you know that my report itself is a part of the meeting minutes and you can review all the projects that the Authority is working on.

Mr. Nye appreciated being able to see what lines are being relined or replaced, but it's a thin narrow slice of what you do. It is good to see what you are doing now and what are your future work. That is good. It is in the minutes, that I like. There is not a whole lot in the minutes, as I just said; that discussion we had in November was a complete cipher, the only thing mentioned there a paragraph with my complaint and not much else. I understand that things may be condensed, but when you speak that should be included.

Mr. Servis suggested for a cost savings, the newsletter might be sent to the local municipalities to run on their informational channel a few times a year.

Mr. Nye, it will also be good putting on our website. It is an opportunity to go outside of the minutes to say, this is where the Authority is now and where the Authority is going. You can't put in the minutes where our demography is changing in 10 years, you could in the newsletter, and that would be a good reason for building or not building. You have a wide-open tablet there. The minutes are narrow, you have to be here.

Dr. Rajput, we are preparing the capital improvement budget, it will list all the projects and once it is finalized, we will be happy to post on the Authority's web site. This will list all the projects that we are planning for this year and the next year. Generally, we prepare the capital budgets for two years and update each year. Once it is reviewed and adopted by the Board, we will be happy to post on the Authority's Web site. Also, anything you want to know or any question you have, please reach out to me and I will be happy to answer for you.

Mr. Nye, you have been good in this way, but my knowing isn't my object here. I'm one vote, more people need to know.

Mr. Glasson, we are hearing your point and will work to get the minutes out in a reasonable time.

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### **Approval of the January's 2022 Accounts Payable**

**Motion:** Mr. Sidoti made a motion, seconded by Mrs. Murphy to approve January's 2022 Accounts Payables as presented to the Board Directors.

#### Roll Call on the Motion

Mrs. Murphy	Aye
Mr. Servis	Aye
Mr. Glasson	Aye
Mrs. Hammar	Aye
Mr. Sidoti	Aye

Motion carried unanimously.

\*\* Mr. Glasson abstained from any invoices to McIntyre Plumbing, Benjamin Franklin Plumbing & Glasson Enterprises for the year 2022.

### **Approval of the December's 2021 Board Meeting Minutes**

**Motion:** Mrs. Murphy made a motion, seconded by Mrs. Hammar to approve December's 23, 2021, Board Meeting Minutes.

#### Roll Call on the Motion

Mr. Servis	Aye
Mrs. Murphy	Aye
Mr. Glasson	Aye
Mrs. Hammar	Aye
Mr. Sidoti	Aye

Motion carried unanimously

\*\* Mr. Servis abstained from vote. Was not present for these minutes.

### **Managing Directors Report**

Dr. Rajput stated that bids were received and opened on January 13, 2022, for the Contract WWTP-432: Furnish & Provide Services for Tree Trimming and Removal for the Authority. This contract is for trimming and removal of trees on an as needed basis. A tabulation of the bid results is presented in the attached Table.

Dr. Rajput stated that as can be seen from the attached bid opening results, Rick's Expert Tree Service, Inc. was the only bidder who submitted a bid proposal. Rick's Expert Tree Service, Inc. is the current contractor and their services have been satisfactory. We recommend awarding Contract WWTP-432: Furnish & Provide Services for Tree Trimming and Removal to Rick's Expert Tree Service, Inc. for the unit bid price submitted by the bidder. The duration of this contract is one (1) year.

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**Motion:** Mrs. Murphy made a motion, seconded by Mr. Sidoti, to award the Contract WWTP-432: Furnish & Provide Services for Tree Trimming and Removal to Rick's Expert Tree Service, Inc. for the unit bid price submitted by the bidder. The duration of this contract is one (1) year.

### Roll Call on the Motion

Mr. Servis	Aye
Mrs. Murphy	Aye
Mr. Glasson	Aye
Mrs. Hammar	Aye
Mr. Sidoti	Aye

Motion carried unanimously.

Dr. Rajput stated that bids were received and opened on January 13, 2022, for the Contract No. WWTP-433: Furnish and Provide services for replacement of existing water mains. This contract involves providing services for the replacement of existing water mains. Under this contract, the Contractor assists the Authority's Field Department in the water main rehabilitation/maintenance and replacement program. A tabulation of the bid results is presented in the attached Table.

As can be seen from the bid results, K.E. Seifert Inc., located in Langhorne, Pennsylvania was the only bidder for this contract. They are the current contractor and have been providing services for the replacement of existing water mains for about the last six (6) years. Their services have been very satisfactory, and they have been working well with our Field Crew. Based on our review of the bid proposals, qualifications, and technical specifications, we recommend awarding Contract No. WWTP-433: Furnish and Provide services for replacement of existing water mains to K.E. Seifert Inc., located at 155 N. Green Street, Langhorne, Pennsylvania for the unit base bid prices presented in the bid tabulation. The duration of this contract is one (1) year.

**Motion:** Mr. Sidoti made a motion, seconded by Mrs. Murphy to award the above contract Number WWTP-433 to K.E. Seifert Inc., located at 155 N. Green Street, Langhorne, Pennsylvania for the unit base bid prices presented in the bid tabulation. The duration of this contract is one (1) year.

### Roll Call on the Motion

Mr. Servis	Aye
Mrs. Murphy	Aye
Mr. Glasson	Aye
Mrs. Hammar	Aye
Mr. Sidoti	Aye

Motion carried unanimously.

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Dr. Rajput stated that a motion is needed to revoke the Board's December 28, 2021, approval of Supervisory/Technical Unit Employees Collective Bargaining Agreement (CBA) due to a determination that Article 24 Section 1, although agreed upon by both sides, should not have been revised thus the CBA could not be implemented due to the Pennsylvania Municipal Retirement Law.

**Motion:** Mrs. Murphy made a motion, seconded by Mr. Sidoti to revoke the Board's December 28, 2021 approval of Supervisory/Technical unit Employees CBA due to a determination that Article 24 section 1, although agreed upon by both sides, should not have been revised thus the CBA could not be implemented due to the Pennsylvania Municipal Retirement Law.

### Roll Call on the Motion

Mr. Servis	Aye
Mrs. Murphy	Aye
Mr. Glasson	Aye
Mrs. Hammar	Aye
Mr. Sidoti	Aye

Motion carried unanimously

Dr. Rajput stated that a motion is needed to approve the revised Supervisory/Technical Unit Employees Collective Bargaining Agreement (CBA) for a five (5) year term from January 1, 2022 through December 31, 2026, made retroactive to January 1, 2022.

**Motion:** Mr. Sidoti made a motion, seconded by Mrs. Murphy to approve the revised Supervisory/Technical Unit Employees CBA for a five (5) year term from January 1, 2022 through December 31, 2026, retroactive to January 1, 2022.

### Roll Call on the Motion

Mr. Servis	Aye
Mrs. Murphy	Aye
Mr. Glasson	Aye
Mrs. Hammar	Aye
Mr. Sidoti	Aye

Motion carried unanimously

Based on review of qualifications, aptitude test, and interview, we would like to recommend for the Board's consideration to offer the open position of Second Shift or 3PM – 11PM shift Water Treatment Plant Operator, to Mr. Travis Broadwater, 835 Harris Avenue, Croydon, PA. 19021, with a starting salary of \$21.00 per hour as per the current Collective Bargaining Agreement. An effective starting date to be specified in a letter of offer by the Managing Director, contingent upon satisfactorily passing the pre-employment psychological evaluation test, physical test, drug and alcohol screening and background check results. The probationary period for this position is 90 days from the effective starting date.

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**Motion:** Mrs. Murphy made a motion, seconded by Mr. Servis to offer the open position of Second Shift or 3PM – 11PM shift Water Treatment Plant Operator to Mr. Travis Broadwater, 835 Harris Avenue, Croydon, PA. 19021, with a starting salary of \$21.00 per hour as per the current Collective Bargaining Agreement and with an effective starting date to be specified in a letter of employment offer by the Managing Director, contingent upon satisfactorily passing the pre-employment psychological evaluation test, physical test, drug and alcohol screening and background check results with the probationary period for this position is 90 days form the effective starting date.

### Roll Call on the Motion

Mr. Servis	Aye
Mrs. Murphy	Aye
Mr. Glasson	Aye
Mrs. Hammar	Aye
Mr. Sidoti	Aye

Motion carried unanimously

Dr. Rajput reported that we have received an email dated January 19, 2022, and letters from JCI Jones Chemicals, Inc. regarding a significant (more than double) price increase to chlorine from the current price of \$500 per ton to \$1090 per ton pertaining to the Contract C-413 Item 1-Chlorine. They have stated that this increase is necessitated by a tightening supply/demand balance of chlorine and chlorine derivatives. Dr. Rajput stated that the contract does allow for a price increase; however, the Contractor/supplier is required to demonstrate that cost increases have been industry-wide and that it will create a severe economic impact on the Contractor. The Contractor is required to give sixty (60) days' notice to the Authority of any proposed price increase with all supporting documentation justification for the Owner's approval consideration. We have requested the supplier to provide additional supporting documents and justification.

Dr. Rajput reported that there were operational problems with the High Service Pump #3 and required complete rehabilitation and required specialized services. In this regard, we contacted and obtained a proposal from LONGO Electrical-Mechanical, Inc. under PA COSTARS Contract Number 016-100. The work involved complete disassembly, inspect and steam clean all pump parts, sandblast pump casing and impeller, Rebabbit bearings, impeller ring, lantern rings, impeller rings, casing rings, and shaft sleeves. Services also include balancing rotating assembly, reinstall the complete pump and place back in service. The total cost is \$48,420.00 under COSTARS Contract Number 016-100. Considering that this pump is very critical to the operation of the plant, we have authorized LONGO Electrical-Mechanical, Inc. to proceed with the work and complete as soon as possible.

**Motion:** Mrs. Murphy made a motion, seconded by Mr. Sidoti to approve the work involving urgently needed repair of high service pump number 3 at the Water Treatment Plant to Longo Electrical Mechanical, Inc. under COSTARS Contract number 016-1100 for a total cost of \$48,420.00



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### Roll Call on the Motion

Mr. Servis           Aye  
Mrs. Murphy        Aye  
Mr. Glasson         Aye  
Mrs. Hammar        Aye  
Mr. Sidoti           Aye  
Motion carried unanimously

### **Dr. Rajput stated that the following items of his report are for the Board information and updates:**

#### ELECTRIC SUPPLY AGREEMENT

Dr. Rajput reported that we locked in the electric supply price and executed the agreement with Constellation New Energy, Inc. The price is \$0.05517/kWh. The duration of the agreement is two (2) years which runs from January 6, 2022 to January 4, 2024.

#### WATER TREATMENT PLANT NPDES PERMIT

Dr. Rajput has reported that as per PADEP requirements, we completed and submitted the Water Treatment Plant NPDES permit renewal application to PADEP. The required sampling events as per the permit renewal requirements have been completed and we are currently waiting for the analytical reports. When the reports are received the analysis results table for Pollutant Group 1 and 2 will be completed and submitted.

#### DRBC DOCKET FOR WATER TREATMENT PLANT

Dr. Rajput reported that the required Water Treatment Plant docket renewal application was completed and submitted to DRBC as per their requirements. The existing docket for the Water Treatment Plant is due to expire on September 30, 2022.

#### DRBC DOCKET FOR WASTEWATER TREATMENT PLANT

We have completed the required Docket renewal application and in a process of submitting the docket renewal application package for Wastewater Treatment Plant to DRBC on or before January 28, 2022. The existing docket for the Wastewater Treatment Plant is due to expire on October 31, 2022.

#### WASTEWATER TREATMENT PLANT NPDES PERMIT

We have received notification from Pennsylvania Department of Environmental Protection (PADEP) regarding the renewal requirements for the existing NPDES permit for the Wastewater Treatment Plant which is due to expire on December 31, 2022. We

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have started preparing the application for the renewal of the permit and will submit to PADEP along with the required fee at least six months prior the expiration date of the existing permit (on or before June 30, 2022) as per PADEP requirements.

### WATER TREATMENT PLANT DRBC ANNUAL EFFLUENT MONITORING REPORT

As per the requirements of the NPDES Permit and DRBC's docket, we have started preparing the annual Effluent Monitoring Report for submission to the DRBC. Submission is due January 31, 2022. We will complete and submit this report to the DRBC on or before January 31, 2022.

### WASTEWATER TREATMENT PLANT DRBC ANNUAL EFFLUENT MONITORING REPORT

As per requirements of the NPDES Permit and DRBC's docket, we have started preparing the annual Effluent Monitoring Report for submission to the DRBC. Submission is due January 31, 2022. We will complete and submit this report to the DRBC on or before January 31, 2022.

### CONTRACT WWTP-401: REPLACEMENT OF EXISTING CHLORINATION SYSTEM WITH ULTRAVIOLET (UV) DISINFECTION SYSTEM AT THE WASTEWATER TREATMENT PLANT (CAPITAL IMPROVEMENT PROJECT)

We are continuing to review and evaluate different options of purchasing and construction/installation of the Ultraviolet (UV) Disinfection System for the replacement of the existing Chlorine Disinfection System at the Wastewater Treatment Plant. One option we are exploring is to purchase a complete UV system directly from the supplier under COSTARS Contract. There are also options to construct/Install a UV system under COSTARS Contracts. In this regard, we have met and received proposals under COSTARS contract which we are currently reviewing.

### WASTEWATER PLANT LABORATORY

We have completed and submitted the required annual renewal application for the accreditation of the Wastewater Treatment Plant Laboratory to PADEP. Currently, we are working on approval of Colilert18 for Fecal Coliform analysis from PADEP as an additional method for the WWTP lab.

### WASTEWATER TREATMENT PLANT ANNUAL BIOSOLIDS REPORT (SLUDGE DMR)

We have begun preparing the required Annual Bio Solids Report (Sludge DMR) for the reporting year of 2021 for our Wastewater Treatment Plant. Submission due date is February 19, 2022. We will complete and submit this report to USEPA on before February 19, 2022.

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## WASTEWATER TREATMENT PLANT ANNUAL TIER II REPORT

We have started preparing the required Tier II report for the reporting year of 2021 for the Wastewater Treatment Plant. The report will be submitted online. The submission is due February 2022.

## WWTP SLUDGE PROFILE – WASTE MANAGEMENT

We are currently awaiting results of the sludge sample analysis from Waste Management Laboratory as per the requirements of Waste Management for their profile renewal. As per the current contract with Waste Management, it is their responsibility to perform this analysis of the Authority's anaerobically digested dewatered sludge. We will complete and submit the Profile as soon as we receive the analytical results.

## WTP SLUDGE WASTE PROFILE – WASTE MANAGEMENT

We are currently waiting for the results of the sludge sample analysis from Waste Management Laboratory as per the requirements of Waste Management for their profile renewal. As per the current contract with Waste Management, it is their responsibility to perform this analysis of the Authority's dewatered sludge from the Water Treatment Plant. We will complete and submit the Profile as soon as we receive the analytical results.

## CONTRACT WTP-418: REPLACEMENT OF FILTER MEDIA AT WATER TREATMENT PLANT

We are continuing to work on compiling the required information for preparation of technical specifications and contract documents for the replacement of existing media of the existing four high-rate dual media filters for bidding process.

## COVID-19

We are continuing to implement and practice all required precautionary and preventive measures and maintaining the required operations of our water and wastewater systems.

## WATER AND WASTEWATER SYSTEMS

The average daily drinking water supplied for the month of December was approximately 6.13 MGD. This is of lowest monthly average water demand we have observed. The monthly average effluent flow from the wastewater treatment plant for the month of December was approximately 5.69 MGD.

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## **Solicitor's Report – Frank Dillon, Esquire, is filling in for James A. Downey, III, Esquire.**

There was an executive session from 6:00 pm. to 7:00 pm. at which time there was a review of pending legal matters and personnel issues.

## **Finance Manager's Report**

Mrs. Dunn reported the Authority is doing well and submitted her financial report to the Board of Directors for informational purposes. Mrs. Dunn informed the Board that a previous employee has passed away, Ms. Toni Thomson.

## **Old Business**

There was no Old Business brought before the Board.

## **New Business**

Mr. Glasson welcomed Mr. Bryan Servis to the Authority's Board of Directors and looking forward to working together for the next five years.

## **Public Participation**

Mr. Alex Wilkinson of Troop 102 was present at the board meeting. Mr. Wilkinson is working on his Communication Merit Badge.

## **Adjournment**

Mr. Sidoti made a motion, seconded by Mr. Servis, to adjourn the Board meeting at 7:30 p.m.

Motion carried unanimously.

Respectfully submitted by:

  
Michele Hammar, Secretary

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## BID TABULATIONS

### CONTRACT NO. WWTP-432

FURNISH & PROVIDE SERVICES FOR TREE-TRIMMING AND REMOVAL FOR  
LOWER BUCKS COUNTY JOINT MUNICIPAL AUTHORITY  
LEVITTOWN, BUCKS COUNTY, PENNSYLVANIA  
Bid Date: January 13, 2022

Contractor Name & Address	Bid Amount – Hourly Rate Normal Working Hrs	Bid Amount – Hourly Rate Other than Normal Working Hrs
Ricks Expert Tree Service 1907 Bensalem Blvd Bensalem, PA 19020	\$450.00/hour	\$450.00/hour
Jimmy's Landscaping 5415 N. Water St Phila, PA 19120	No bid	

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### BID TABULATION

CONTRACT NO. WWTP-433

Furnish and Provide Services for Replacement of Existing Water Mains for  
LOWER BUCKS COUNTY JOINT MUNICIPAL AUTHORITY

Bid Date: January 13, 2022

**K.E. Seifert Inc.**  
155 N. Green St.  
Langhorne, PA

**Current Price**

Item No.	Unit	Description	Unit Bid Price	Unit Bid Price
1	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 6 inch water main & replace with new 6 inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe	\$ <u>33.58</u> ft	\$ <u>33.58</u> ft
2	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 8 inch water main & replace with new 8 inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe	\$ <u>33.58</u> ft	\$ <u>33.58</u> ft
3	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 12 inch water main & replace with new 12 inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe	\$ <u>40.15</u> ft	\$ <u>40.15</u> ft
4	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 16 inch water main & replace with new 16 inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe	\$ <u>59.40</u> ft	\$ <u>59.40</u> ft
5	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 20 inch water main & replace with new 20 inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe	\$ <u>74.80</u> ft	\$ <u>74.80</u> ft
6	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 6 inch water main & replace with new 6 inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe & backfill trench	\$ <u>56.10</u> ft	\$ <u>56.10</u> ft
7	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 8 inch water main & replace with new 8 inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe & backfill trench	\$ <u>56.10</u> ft	\$ <u>56.10</u> ft
8	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 12 inch water main & replace with new 12 inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe & backfill trench	\$ <u>67.10</u> ft	\$ <u>67.10</u> ft
9	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 16 inch water main & replace with new 16 inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe & backfill trench	\$ <u>100.10</u> ft	\$ <u>100.10</u> ft
10	Linear Ft	Furnish qualified labor and equipment as specified in these contract documents to excavate, remove existing 20 inch water main and replace with new 20 inch ductile iron pipe including all required fittings and joints to connect to the newly installed ductile iron pipe and backfill trench	\$ <u>121.00</u> ft	\$ <u>121.00</u> ft
11	Each	Furnish qualified labor and equipment to cut and install tees and valves on 6 inch & 8 inch water main	\$ <u>5,452.00</u>	\$ <u>5,452.00</u>
12	Each	Furnish qualified labor and equipment to cut and install tees and valves on 10 inch & 12 inch water main	\$ <u>5,452.00</u>	\$ <u>5,452.00</u>
13	Each	Furnish qualified labor and equipment to cut and install hydrants on 6 inch & 8 inch water main	\$ <u>2,700.00</u>	\$ <u>2,700.00</u>
14	Each	Furnish qualified labor and equipment to cut and install hydrants on 10 inch & 12 inch water main	\$ <u>5,452.00</u>	\$ <u>5,452.00</u>
15	Each	Furnish qualified labor and equipment to reconnect existing water service lines on 6 inch & 8 inch water main	\$ <u>137.50</u>	\$ <u>137.50</u>
16	Each	Furnish qualified labor and equipment to reconnect existing water service lines on 10 inch & 12 inch water main	\$ <u>137.50</u>	\$ <u>137.50</u>
17	Lump Sum	Stated allowance for additional work over and above that required by the contract documents only as authorized by the Owner in writing and not to exceed. (If no extra work is authorized, no payment will be made under this item.)	\$20,000.00	\$10,000.00
<b>TOTAL BASE BID</b>			\$19,972.91	\$19,972.10*