

**Notice of Meeting for the
Georgetown Water Utility Board
of the City of Georgetown
September 9, 2021 at 2:00 PM
at West Side Service Center, 5501 Williams Dr., Georgetown, TX, 78633**

The City of Georgetown is committed to compliance with the Americans with Disabilities Act (ADA). If you require assistance in participating at a public meeting due to a disability, as defined under the ADA, reasonable assistance, adaptations, or accommodations will be provided upon request. Please contact the City Secretary's Office, at least three (3) days prior to the scheduled meeting date, at (512) 930-3652 or City Hall at 808 Martin Luther King Jr. Street, Georgetown, TX 78626 for additional information; TTY users route through Relay Texas at 711.

Regular Session

(This Regular Session may, at any time, be recessed to convene an Executive Session for any purpose authorized by the Open Meetings Act, Texas Government Code 551.)

A Public Wishing to Address the Board

On a subject that **is posted on this agenda**: Please fill out a speaker registration form which can be found on the table at the entrance to the Board Meeting. Clearly print your name and the letter of the item on which you wish to speak and present it to the Staff Liaison, **prior to the start of the meeting**. You will be called forward to speak when the Board considers that item. Only persons who have delivered the speaker form **prior** to the meeting being called to order may speak.

On a **subject not posted on the agenda**: Persons may add an item to a future Regular scheduled Board agenda by filing a written request with the Staff Liaison **no later than one week prior to the Board meeting**. The request must include the speaker's name and the specific topic to be addressed with sufficient information to inform the board and the public. **Only those persons who have submitted a timely request will be allowed to speak**. Please send comments to GTWU Board Liaison, at tina.davis@georgetown.org

At the time of posting no comments or requests were received.

B Call to Order - Board Chair

C Review and possible action to approve the minutes from the August, 2021 Water Board Meeting.-Tina Davis, Board Liaison

D Updates from Water Utility Directors

E Consideration and possible action to award a contract to Santa Clara Construction of Austin, TX for the construction of the Lake WTP 30" Raw Water Line Improvements Project in the amount of \$1,833,457.00 – Wesley Wright, P.E., Systems Engineering Director/Chris Pousson, CIP Manager.

Adjournment

Certificate of Posting

I, Robyn Densmore, City Secretary for the City of Georgetown, Texas, do hereby certify that this Notice of

Meeting was posted at City Hall, 808 Martin Luther King Jr. Street, Georgetown, TX 78626, a place readily accessible to the general public as required by law, on the _____ day of _____, 2021, at _____, and remained so posted for at least 72 continuous hours preceding the scheduled time of said meeting.

Robyn Densmore, City Secretary

City of Georgetown, Texas
Water Utility Board
September 9, 2021

SUBJECT:

Review and possible action to approve the minutes from the August, 2021 Water Board Meeting.-Tina Davis, Board Liaison

ITEM SUMMARY:

Review and possible action to approve the minutes from the August, 2021 Water Board Meeting.-

FINANCIAL IMPACT:

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SUBMITTED BY:

Tina Davis, Board Liaison

ATTACHMENTS:

Description	Type
☐ Minutes _GTWU 08.2021	Backup Material

City of Georgetown, Texas
Georgetown Water Utility Board Meeting
Minutes
Thursday, August 12, 2021 at 2:00 p.m.
Teleconference

Board Members Present: Stuart Garner, Vice Chair; Steve Fought, Michael Morrison

Board Members Absent: Thomas Glab; Board Chair, Scott Macmurdo

Staff Members Present: Chelsea Solomon, Director of Water Utilities; Leticia Zavala Jones, Customer Care Director; Wesley Wright, System Engineering Director; Laurie Brewer, Assistant City Manager; Nathan Parras, Assistant Finance Director; Mike Welch, Treatment and Regulatory Manager; Daniel Havins, Project Manager; Aaron St. Pierre, Administrative Assistant; Tina Davis, Board Liaison

Regular Session

(This Regular Session may, at any time, be recessed to convene an Executive Session for any purpose authorized by the Open Meetings Act, Texas Government Code 551.)

A. Call to Order - Meeting was called to order by Vice Chair at 2:03 PM

B. Monthly report from Water Utility Directors – Jones reports average July residential water bill was \$58, \$79 for all customers, with 1100 estimations. Sent 49, 618 bills to customers. Accounts Receivables for water. Collected just under \$1K on disconnects for non-payments. Disconnects for non-payment stopped at end of June, based on heat index guidelines set by PUC. Plan to restart disconnects for non-payment in September. Flat rate set for approximately 31,700 sewer customers. Started working with collection agency in May. Collected approximately \$51K. There is approximately \$1 million for customer assistance. Will push information out to public about the assistance and take applications through end of September. Funding will stop January 1, 2022. Solomon reports July's peak day water was 89% production capacity, wastewater steady. Performance drops off in summer. Opened 1400 cases for wrong day watering. Georgetown Lake no longer in stage 1 drought. Wright reports 2 different tanks in design and ready for bid, Hoover Pump station and Highlands of Mayfield. Bids came in over \$1 million over estimated budget, believe this is the product of the market with materials and labor being a problem. Asking Council to reject bids and re-bid in next couple of months. Southlake Water Treatment Plant under design. Past 60% submittal. Going out to bid later this year for competitive skilled proposals. Project estimated at \$160 million. Will bring project to Board near end of year for approval to move forward. Northlake Plant under construction, moving slow but steady. Mike Cunningham has the project. Expected to turn over to Operations in summer of 2023. Pump station is operational. Brief discussion on

Southside Plant. No update from Finance this month. Solomon asked about topics for future presentations to get an idea of what the Board may like to address or have additional information on. Morrison would like more information on water distribution system. Solomon offered to get him a copy of 2018 Master Plan. Solomon explained growth, capacity and current resources with presentation attached to August Directors Report. Discussion followed.

- C. Review and possible action to approve the minutes from the June 2021 Water Board Meeting – Revised item “G” in June minutes to show Councilman Fought will never make a motion on an item to prevent giving the impression he is swaying the Boards vote. Fought will only 2nd a motion if needed. Liaison updated the August minutes to show correction as stated above. **Motion** to approve minutes with correction to item G by Morrison, **Seconded** by Fought. 3-0-0; Glab and Macmurdo absent
- D. Consideration and possible action to approve the “First Amendment to the Temporary Wholesale Water Services Agreement between the City of Georgetown and the City of Leander”, pertaining to the provision of temporary wholesale water service for approximately 437.05 acres of land; Repealing Conflicting Ordinances and Resolutions; including a Severability Clause; and Establishing an Effective Date” – Chelsea Solomon, Director of Water Utilities. When City of Georgetown acquired Chisholm Trail acquired, Leander did not have infrastructure to serve a project in their ETJ. City of Georgetown made agreement with Leander to sell them water wholesale until August 8, 2021. Leander is unable to meeting August 8th deadline. Amendment will extend agreement out to February 8, 2022, with up to 500 connections, now at base fee of \$8.40 from original contract amount of \$2.40. **Motion** to approve temporary agreement amendment as stated above by Morrison, **Seconded** by Fought. 3-0-0; Glab and Macmurdo absent.

Regular Agenda

- E. Consideration and possible action to approve Task Order CDM-21-005 with CDM Smith, Inc. for professional services related to the Dove Springs and San Gabriel WWTP’s rehabilitation project in the amount of \$2,024,000.00 – Wesley Wright, P.E., Systems Engineering Director. San Gabriel WWTP is 41 years old, wear and tear on original equipment; needs complete rehab. Dove Springs rehab will improve airflow. CDM is familiar with both plants and qualified to do upgrades. Funds will be available in next FY. Not approved by Council yet, will come back to Board for approval to move forward. Brief discussion on peak flow to Dove Springs. **Motion** to approve by Morrison, **Seconded** by Fought, 3-0-0; Glab and Macmurdo absent.

F. Consideration and possible action to approve Task Order CDM-21-006 with CDM Smith, Inc., of Austin, Texas, for professional services related to the 2022 Water and Wastewater Utility Master Plans Update, Integrated Water Resources Plan, Water and Wastewater Impact Fee and 2021/2022 Utility Evaluations Support in the amount of \$995,430.00 - Wesley Wright, P.E., Systems Engineering Director. Update to Master Plan. Last update was 2018 with estimated growth 2500 to 2800 annual units. Current growth is 5000 units per year. Will re-evaluate impact fees. Asking CDM to look at the integrated water resources plan to help City prepare for the future. CDM can provide modeling capabilities, which is vital to Systems Engineering's ability to keep up with future development. **Motion** by Garner as stated above, **Seconded** by Fought. 3-0-0; Glab and Macmurdo absent.

Adjournment

Meeting adjourned at approximately 3:25 PM.

Thomas Glab, Chair

Scott Macmurdo, Secretary

Board Liaison

City of Georgetown, Texas
Water Utility Board
September 9, 2021

SUBJECT:

Consideration and possible action to award a contract to Santa Clara Construction of Austin, TX for the construction of the Lake WTP 30" Raw Water Line Improvements Project in the amount of \$1,833,457.00 – Wesley Wright, P.E., Systems Engineering Director/Chris Pousson, CIP Manager.

ITEM SUMMARY:

The project consists of furnishing, installing, and providing all labor, materials, and equipment required to install approximately 3,050 linear feet of new 30-inch diameter ductile iron raw water pipeline including valves, erosion controls, revegetation, system connections, pavement repair and related appurtenances. The project also includes the removal and replacement of approximately 1,500 linear feet of fiberoptic wire, conduit, handholes and system connections. The project begins at the Raw Water Intake of Lake Georgetown and extends northeast to the City of Georgetown Lake Water Treatment Plant. This project will convey additional raw water to the lake plant that will be needed when the lake plant expansion currently under construction is completed.

This project was publicly advertised on July 28, 2021 and August 4, 2021. On August 24, 2021 we received 7 (7) competitive bids, one bid did not include the required documentation and was considered non-responsive. The low qualified bidder for the project was Santa Clara with a total bid of \$1,833,457.00. They have completed several projects of the scope and size therefore CDM Smith and staff believes Santa Clara is qualified to complete this project.

STAFF RECOMMENDATION:

CDM Smith and staff recommend awarding the contract to Santa Clara of Austin Texas for the Lake WTP 30" Raw Water Line Improvements Project for \$1,833,457.00

FINANCIAL IMPACT:

Funds for the expenditure is budgeted in the Water CIP Fund

SUBMITTED BY:

Wesley Wright, P.E., Systems Engineering Director/Chris Pousson, CIP Manager.

ATTACHMENTS:

Description	Type
 Recommendation of Award / Bid Tab	Backup Material



9430 Research Blvd.
Suite 1-200
Austin, Texas 78759
Tel: (512) 346-1100

August 26, 2021

Mr. Chris Pousson
CIP Manager
City of Georgetown
300-1 Industrial Ave.
Georgetown, TX 78627

RE: Lake WTP 30-inch Raw Water Line
Recommendation of Award

Dear Mr. Pousson:

The Lake WTP 30-inch Raw Water Line was advertised for public bids on July 28 and August 4, 2021 in the *Williamson County Sun*. Through our office, we provided plans and specifications to seven interested parties, including general contractors, subcontractors, suppliers, and plan rooms.

On August 24, 2021 at 2:00 p.m. bids were received at the Georgetown Municipal Complex, Purchasing Department, at 300-1 Industrial Avenue, Georgetown, Texas 78626 and electronically through the City E-bid system for the construction of the Lake WTP 30-inch Raw Water Line project and then opened and publically read aloud. Of the seven bids received, one bid did not include the required documentation and was considered non-responsive. The names of the responsive bidders and total project base bid amounts are summarized below.

1. Santa Clara Construction	\$1,833,457.00
2. JKB Construction	\$2,011,323.65
3. Austin Underground	\$2,412,779.00
4. Royal Vista, Inc	\$2,576,696.00
5. Austin Engineering Company, Inc	\$2,732,453.00
6. Cash Construction Company	\$3,023,093.00

A bid tabulation of all the bid items is attached. There were two errors on the submitted bid forms. Austin Underground did not provide the correct extended price for line item 20 in the bid form, but the total written at the bottom reflected an extended price of \$40,000 for 4 units at \$10,000 each. JKB Construction had a *figure* total base bid amount of \$2,011,323.65, and a *written* total base bid amount of TWO MILLION ELEVENTHOUSAND, THREEHUNDRED TWENTY THREE THOUSAND dollars and SIXTY FIVE cents. The summation of their extended price bid item amount is equal to the *figure* total base bid amount.





Mr. Chris Pousson

August 26, 2021

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The low bidder on the project based on the base bid amount is Santa Clara Construction. The total combined project amount of \$1,833,457.00 submitted by Santa Clara Construction was above the engineer's estimate of \$1.7 million for the total combined project. The difference in bid estimates is likely due to volatile market conditions and the dynamic price of metal products such as ductile iron pipe used for this project.

In addition to submitting the bids, each of the bidders submitted a Statement of Bidder's Experience (Section 00400). As listed in Section 00400, Santa Clara Construction successfully completed the City of Georgetown 2019 West Loop Water Line Improvements, Project No. 2JH, and Berry Creek Wastewater Interceptor, Project No. 3CJ. Thus, based on our previous experience with Santa Clara Construction as well as with the City's previous experience with them, we believe that Santa Clara Construction can successfully complete the Lake WTP 30-inch Raw Water Line project as designed and specified. We recommend that the City award the Lake WTP 30-in Raw Water Line project in the amount of \$1,833,457 to Santa Clara Construction.

Sincerely,

A handwritten signature in blue ink, appearing to read "Wendy Lundeen", with a long, sweeping horizontal line extending to the right.

Wendy Lundeen, PE 127017

Project Manager

CDM Smith Inc.

TBPE Firm Registration No. F-3043

cc: Allen Woelke, PE, CDM Smith
Ana Karamalegos, PE, CDM Smith
Daniel Havins, City of Georgetown

Attachment Enclosed



CITY OF GEORGETOWN
 LAKE WTP
 30-INCH RAW WATER LINE
BID TABULATION
 August 25, 2021

Bidders	Santa Clara Construction	JKB Construction	Austin Underground	Royal Vista, Inc
Attended Non-Mandatory Pre-Bid Meeting	✓			✓
Acknowledged Addenda	✓	✓	✓	✓
Provided Bid Security (5%)	✓	✓	✓	✓
Provided Information from 00400	✓	✓	✓	✓
Total Base Bid Amount	\$ 1,833,457.00	\$ 2,011,323.65	\$ 2,412,779.00	\$ 2,576,696.00

Bidders	Austin Engineering Company, Inc	Cash Construction Company		
Attended Non-Mandatory Pre-Bid Meeting	✓	✓		
Acknowledged Addenda	✓	✓		
Provided Bid Security (5%)	✓	✓		
Provided Information from 00400	✓	✓		
Total Base Bid Amount	\$ 2,732,453.00	\$ 3,023,093.00		

Bidders		Santa Clara Construction	JKB Construction	Austin Underground	Royal Vista, Inc	Austin Engineering Company, Inc	Cash Construction Company
Attended non-mandatory Pre-Bid Meeting		✓				✓	✓
Acknowledged all Addenda		✓	✓	✓	✓	✓	✓
Provide Bid Security (5%)		✓	✓	✓	✓	✓	✓
Provide Information from 00400		✓	✓	✓	✓	✓	✓

BASE BID AMOUNT (BASE BID ITEM Nos. 1 - 22)															
Bid Item	Item Description	Estimated Quantity	Unit	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Insurance, Bonds and Mobilization/Demobilization Related Expenses not to exceed 5% of Total Bid	1	LS	\$ 90,000.00	\$ 90,000.00	\$ 74,865.00	\$ 74,865.00	\$ 115,000.00	\$ 115,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 120,000.00	\$ 120,000.00
2	Vacuum excavation along existing underground utilities to confirm location prior to excavation including 16-inch and 24-inch water lines, electrical and communication lines.	30	EA	\$ 2,000.00	\$ 60,000.00	\$ 797.75	\$ 23,932.50	\$ 990.00	\$ 29,700.00	\$ 600.00	\$ 18,000.00	\$ 1,500.00	\$ 45,000.00	\$ 800.00	\$ 24,000.00
3	Storm Water Pollution Prevention Plan (SWPPP) and SWPPP Implementation, including installing the stabilized construction entrances, silt fence, mulch sock, tree protection fencing and other required temporary sedimentation and erosion control best management and tree protection practices as required by the drawings and the SWPPP plan, complete in place as detailed and specified, <u>including maintenance and removal.</u>	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 48,306.35	\$ 48,306.35	\$ 38,500.00	\$ 38,500.00	\$ 40,000.00	\$ 40,000.00	\$ 10,000.00	\$ 10,000.00	\$ 40,000.00	\$ 40,000.00
4	Additional Mulch Sock (above that shown on the drawings) installed at the direction of the Engineer and/or Inspector, complete in place as detailed and specified, including maintenance and removal.	250	LF	\$ 10.00	\$ 2,500.00	\$ 11.05	\$ 2,762.50	\$ 9.00	\$ 2,250.00	\$ 11.00	\$ 2,750.00	\$ 8.50	\$ 2,125.00	\$ 7.00	\$ 1,750.00
5	Additional Silt Fence (above that shown on the drawings) installed at the direction of the Engineer and/or Inspector, complete in place as detailed and specified, including maintenance and removal.	250	LF	\$ 5.00	\$ 1,250.00	\$ 3.70	\$ 925.00	\$ 2.50	\$ 625.00	\$ 5.00	\$ 1,250.00	\$ 3.00	\$ 750.00	\$ 2.10	\$ 525.00
6	Tree Protection Fence installed at the direction of the Engineer and/or Inspector, complete in place as detailed and specified, including maintenance and removal.	100	LF	\$ 5.00	\$ 500.00	\$ 4.30	\$ 430.00	\$ 3.25	\$ 325.00	\$ 8.00	\$ 800.00	\$ 3.35	\$ 335.00	\$ 3.00	\$ 300.00
7	Additional Rock Berm (above that shown on the drawings) installed at the direction of the Engineer and/or Inspector, complete in place as detailed and specified, including maintenance and removal.	100	LF	\$ 35.00	\$ 3,500.00	\$ 36.85	\$ 3,685.00	\$ 35.00	\$ 3,500.00	\$ 30.00	\$ 3,000.00	\$ 25.00	\$ 2,500.00	\$ 20.00	\$ 2,000.00
8	Repair of Existing Gravel Roadway and Graveled Areas, including removal and stockpiling of existing materials, excavation, backfill, compaction, grading, replacement, materials, and appurtenances, complete in place as detailed and specified, including maintenance and removal.	4,133	SY	\$ 17.00	\$ 70,261.00	\$ 11.80	\$ 48,769.40	\$ 18.00	\$ 74,394.00	\$ 7.00	\$ 28,931.00	\$ 6.00	\$ 24,798.00	\$ 11.00	\$ 45,463.00
9	Site and Right-of-Way Preparation, non-pavement areas, including clearing, grubbing, and appurtenances, complete in place as detailed and specified.	12,890	SY	\$ 2.00	\$ 25,780.00	\$ 1.85	\$ 23,846.50	\$ 3.50	\$ 45,115.00	\$ 2.00	\$ 25,780.00	\$ 5.00	\$ 64,450.00	\$ 1.50	\$ 19,335.00
10	Furnish and Install Roadway Asphalt Pavement Removal and Replacement, including saw cutting, temporary cold mix patching, subgrade prep, base material (or equal) and hot mix asphaltic concrete, including all appurtenances, complete in place as detailed and specified.	37	SY	\$ 100.00	\$ 3,700.00	\$ 167.25	\$ 6,188.25	\$ 100.00	\$ 3,700.00	\$ 150.00	\$ 5,550.00	\$ 125.00	\$ 4,625.00	\$ 50.00	\$ 1,850.00
11	Iron Pipe Fencing Removal and Replacement, complete in place as detailed and specified.	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 24,545.95	\$ 24,545.95	\$ 2,000.00	\$ 2,000.00	\$ 21,000.00	\$ 21,000.00	\$ 6,100.00	\$ 6,100.00	\$ 20,000.00	\$ 20,000.00
12	Trench Safety Plan and Implementation, as required for all excavations deeper than 5 feet, complete in place as detailed and specified.	3,050	LF	\$ 1.00	\$ 3,050.00	\$ 1.55	\$ 4,727.50	\$ 4.00	\$ 12,200.00	\$ 2.00	\$ 6,100.00	\$ 1.00	\$ 3,050.00	\$ 0.50	\$ 1,525.00
13	Furnish and Install Restrained 30-inch Class 150 Ductile Iron pipe (Open Trench Construction) including fittings, restraints, ROCK excavation, dewatering, bedding, backfill, tracer wire, removal of existing 16-inch water main, temporary support of existing electric conduit , and trench surface restoration complete in place as detailed and specified.	1,536	LF	\$ 388.00	\$ 595,968.00	\$ 342.40	\$ 525,926.40	\$ 330.00	\$ 506,880.00	\$ 355.00	\$ 545,280.00	\$ 380.00	\$ 583,680.00	\$ 420.00	\$ 645,120.00
14	Furnish and Install 30-inch Unrestrained Class 150 Ductile Iron (Open Trench Construction) pipe including fittings, ROCK excavation, dewatering, bedding, backfill, tracer wire, removal of existing 16-inch water main, temporary support of existing electric conduit , and trench surface restoration complete in place as detailed and specified.	1,511	LF	\$ 278.00	\$ 420,058.00	\$ 216.40	\$ 326,980.40	\$ 240.00	\$ 362,640.00	\$ 225.00	\$ 339,975.00	\$ 250.00	\$ 377,750.00	\$ 282.00	\$ 426,102.00
15	Abandon Existing 16-inch watermain by cutting, capping and abandoning in place complete as detailed and specified.	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 18,416.45	\$ 18,416.45	\$ 6,000.00	\$ 6,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 50,000.00	\$ 50,000.00

BASE BID AMOUNT (BASE BID ITEM Nos. 1 - 22)															
16	Remove Existing Communications Line, 2-2-inch conduits, fiberoptic cable, handhole structures, and all appurtenances, complete in place as detailed and specified.	1,500	LF	\$ 5.00	\$ 7,500.00	\$ 12.50	\$ 18,750.00	\$ 60.00	\$ 90,000.00	\$ 62.00	\$ 93,000.00	\$ 65.00	\$ 97,500.00	\$ 250.00	\$ 375,000.00
17	Replace, In-Kind, and put into operation Existing Communications Line including concrete duct bank with 2 – 2-inch Schedule 40 PVC Conduits, Terminations, Connections, and Handhole structures, materials, excavation, and backfill to Connect the Raw Water Pump Station Electrical Building to the Sludge Dewatering Building, including, adjustments, testing and appurtenances, complete in place as detailed and specified.	1,500	LF	\$ 140.00	\$ 210,000.00	\$ 50.65	\$ 75,975.00	\$ 220.00	\$ 330,000.00	\$ 390.00	\$ 585,000.00	\$ 450.00	\$ 675,000.00	\$ 405.00	\$ 607,500.00
18	Furnish and Install Connection to Existing 24-inch Water Line at Existing Raw Water P ump Station, including excavation, removal of existing 16-inch X 24-inch reducer, support of existing 24-inch water line and existing electrical duct bank, installation of 30-inch X 24-inch reducer, tracer wire test station, fittings, adapters, concrete casings and support, cleanup, backfill and all appurtenances, complete in place as detailed and specified.	1	LS	\$ 20,000.00	\$ 20,000.00	\$ 9,377.80	\$ 9,377.80	\$ 18,000.00	\$ 18,000.00	\$ 22,500.00	\$ 22,500.00	\$ 20,000.00	\$ 20,000.00	\$ 15,000.00	\$ 15,000.00
19	Furnish and Install Connection to Existing 30-inch Water Line at Existing Water Treatment Plant, including excavation, removal of Existing 30-inch X 16-inch Reducer, Removal of existing 16-inch gate valve and 16-inch water line, installation of 30-inch Class 150 , Ductile Iron Pipe, restraints tracer wire test station, fittings, adapters, concrete encasement, cleanup, backfill and all appurtenances, complete in place as detailed and specified.	1	LS	\$ 20,000.00	\$ 20,000.00	\$ 24,325.00	\$ 24,325.00	\$ 40,000.00	\$ 40,000.00	\$ 30,000.00	\$ 30,000.00	\$ 25,000.00	\$ 25,000.00	\$ 20,000.00	\$ 20,000.00
20	Furnish and Install 2- 2-Inch Non-Slam Combination Air Vacuum Valves (CAV), in existing valve vault, including, piping, fittings, air piping extensions, pipe supports, appurtenances, and removal of the existing 3-inch and 4-inch CAVs, complete in place as detailed and specified.	4	EA	\$ 3,000.00	\$ 12,000.00	\$ 7,597.00	\$ 30,388.00	\$ 10,000.00	\$ 40,000.00	\$ 5,000.00	\$ 20,000.00	\$ 4,800.00	\$ 19,200.00	\$ 3,500.00	\$ 14,000.00
21	Furnish and install connection between proposed 30-inch watermain and existing 3-inch HPA line including: 30in X 3" Stainless Steel Tapping Sleeve with stainless steel flange (JCM 452 or approved equal), 90 deg elbow, 3-inch gate valve, restraints, 3-inch DI pipe, removal of existing 16-inch piping, 3-inch valve, fittings, and piping, cleanup, bedding, backfill and all appurtenances, complete in place as detailed and specified.	4	EA	\$ 8,000.00	\$ 32,000.00	\$ 7,412.90	\$ 29,651.60	\$ 8,500.00	\$ 34,000.00	\$ 14,000.00	\$ 56,000.00	\$ 6,500.00	\$ 26,000.00	\$ 9,000.00	\$ 36,000.00
22	Furnish and Install Direct Bury 30-Inch Butterfly Valve with Tracer Wire Test Station, including excavation, piping, connections, adapters, restraints, backfill, tracer wire, concrete cradle and appurtenances, complete in place as detailed and specified.	1	EA	\$ 30,000.00	\$ 30,000.00	\$ 22,389.55	\$ 22,389.55	\$ 27,000.00	\$ 27,000.00	\$ 31,000.00	\$ 31,000.00	\$ 32,000.00	\$ 32,000.00	\$ 32,000.00	\$ 32,000.00
23	Pressure and Leak Testing of Raw Water Pipelines, complete in place as detailed and specified.	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 6,136.50	\$ 6,136.50	\$ 11,000.00	\$ 11,000.00	\$ 15,000.00	\$ 15,000.00	\$ 1,700.00	\$ 1,700.00	\$ 4,000.00	\$ 4,000.00
24	Flushing of Raw Water Pipelines, complete in place as detailed and specified.	1	LS	\$ 22,000.00	\$ 22,000.00	\$ 6,136.50	\$ 6,136.50	\$ 7,500.00	\$ 7,500.00	\$ 25,000.00	\$ 25,000.00	\$ 16,500.00	\$ 16,500.00	\$ 5,000.00	\$ 5,000.00
25	Provide Re-vegetation, complete in place as detailed and specified.	12,890	SY	\$ 1.00	\$ 12,890.00	\$ 1.95	\$ 25,135.50	\$ 5.00	\$ 64,450.00	\$ 2.00	\$ 25,780.00	\$ 1.00	\$ 12,890.00	\$ 0.70	\$ 9,023.00
26	Contractor to perform tree and brush clearing of dead cedar as required by USACE in Mitigation Survey area using hydro-ax or equivalent equipment complete in place with mulching.	10	acre	\$ 2,250.00	\$ 22,500.00	\$ 3,375.10	\$ 33,751.00	\$ 3,300.00	\$ 33,000.00	\$ 5,000.00	\$ 50,000.00	\$ 4,800.00	\$ 48,000.00	\$ 3,900.00	\$ 39,000.00
27	Allowance to be used for additional site improvements, landscaping and miscellaneous modifications.	1	LS	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00
28	Allowance for Contractor to secure the services of construction materials testing lab to provide testing and laboratory services for the project.	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
29	Replace, In-Kind, and put into operation all Fiber-Optic Cabling required to replace and re-establish the communications line from the Raw Water Pump Station Electrical Building to the Sludge Dewatering Building, including; any patch panels, adaptor plates, splicing and fan out kits, terminations, connectors, adjustments, field verification of existing duct bank and conduit routing, acceptance testing and appurtenances, complete in place as detailed and specified.	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 500,000.00	\$ 500,000.00	\$ 420,000.00	\$ 420,000.00	\$ 370,000.00	\$ 370,000.00	\$ 418,500.00	\$ 418,500.00	\$ 373,600.00	\$ 373,600.00
Total Base Bid (Item Nos. 1-29)		-		\$ 1,833,457.00		\$ 2,011,323.65		\$ 2,412,779.00		\$ 2,576,696.00		\$ 2,732,453.00		\$ 3,023,093.00	