



**Recommendation for  
Water & Wastewater Commission**

<b>Commission Meeting Date:</b>	January 11, 2017
<b>Council Meeting Date:</b>	January 26, 2017
<b>Department:</b>	Public Works
<b>SUBJECT</b>	
<p>Authorize execution of a construction contract with <b>PEPPER-LAWSON WATERWORKS, LLC</b>, for the Walnut Creek Wastewater Treatment Plant Tertiary Filter Rehabilitation project in the amount of \$25,218,000 (base bid + alternate) plus a \$1,260,900 contingency, for a total contract amount not to exceed \$26,478,900. (District 1)</p>	
<b>AMOUNT AND SOURCE OF FUNDING</b>	
Funding is available in the Fiscal Year 2016-2017 Capital Budget of Austin Water.	
<b>Purchasing Language:</b>	One bid received through a competitive Invitation for Bid solicitation.
<b>Prior Council Action:</b>	N/A
<b>For More Information:</b>	Steve Parks, 512-974-3576; Rebecca Vento, 512-972-0205; Rolando Fernandez, 512-974-7749; Sarah Torchin, 512-974-7141; Denise Avery, 512-972-0104
<b>Boards and Commission Action:</b>	January 11, 2017- To be reviewed by the Water and Wastewater Commission.
<b>MBE/WBE:</b>	This contract will be awarded in compliance with City Code Chapter 2-9A of the City Code (Minority Owned and Women Owned Business Enterprise Procurement Program) by meeting the goals 12.26% MBE and 1.99% WBE subcontractor participation.

The tertiary filters at the Walnut Creek Wastewater Treatment Plant serve as the final step in the wastewater treatment process before effluent is discharged to the Colorado River or reused through the City's Water Reuse Initiative (WRI). Filters #1 - #4 were constructed as part of the original plant in 1974 and Filters #5 - #10 were added in 1989 when the treatment plant was expanded to a capacity of 60 million gallons per day (MGD). The plant underwent another expansion in 2002 to its current average daily capacity of 75 MGD. Many of the filter components are now in need of replacement due to age and deterioration.

The project consists of rehabilitation of all ten gravity filters. Filters #1-4 will require replacement of filter troughs, media, and underdrain systems so that they will work more reliably with the newer filters, Filters #5-10. Filters #5-10 will receive new troughs and media. The work also includes new clear well storage to ensure that filters can be backwashed adequately without interrupting the flow to the City's WRI system; a blower building to provide dedicated air for backwashing the filters; replacement and relocation of the backup de-chlorination chemical feed system closer to the plant effluent junction box; and replacement backwash pumps, associated piping, valves and controls. The existing electrical distribution system will be replaced and upgraded to provide dual electrical feeds. The controls and metering system used to monitor and control the filters system will also be upgraded. Additionally, the contract will include an alternate bid item for the addition of media retention baffles. Media retention baffles will aid in preventing the loss of media during filter backwashing.

The filters will provide a more reliable and higher quality effluent. Additionally, as the plant approaches its design capacity the improvements will ensure that filters can be taken out of service and backwashed adequately without affecting the effluent quality.

All improvements will take place inside the facility's perimeter fence and are not anticipated to impact the public.

A delay in executing this construction contract will delay improvements to the modernization of the filtration process and enhancements of the effluent quality and reliability from the wastewater treatment plant.

Due to the potential for unknown conditions when working in an operating wastewater treatment plant facility, a 5% contingency in funding has been requested to allow for the expeditious processing of any change orders. A contingency is an additional amount of money added to the construction budget to cover any unforeseen construction costs associated with the project.

The contract allows 1,125 calendar days for completion of this project. This project is located within zip code 78724 (District 1). The project is managed by Public Works.

Pepper-Lawson Waterworks, LLC is located in Houston, Texas.

**M/WBE Summary – Construction Contract with Allowances, Alternative and Contingency**

Public notice was given for this solicitation, IFB 6100 CLMC587 – Walnut Creek Wastewater Treatment Plant Tertiary Filter Rehabilitation Project, through the City’s Vendor Connection web portal which resulted in 145 contractors receiving notification and 109 contractors obtaining the bid documents. One bid was received and opened on November 3, 2016. The bid received was not from an MBE/WBE certified firm.

	<u>Base Bid</u>	<u>Base Bid + Alternate Bid Item</u>
Pepper-Lawson Waterworks, LLC, Houston, TX	\$25,118,000	\$25,218,000

The contractor’s choice of work methodology provides for 44 areas of subcontracting opportunities which are listed below. Project specific subgoals stated in the solicitation were 0.75% African American; 1.36% Hispanic; 1.08% Native/Asian, and 1.54% WBE. Total participation estimated on the base bid amount of \$25,118,000:

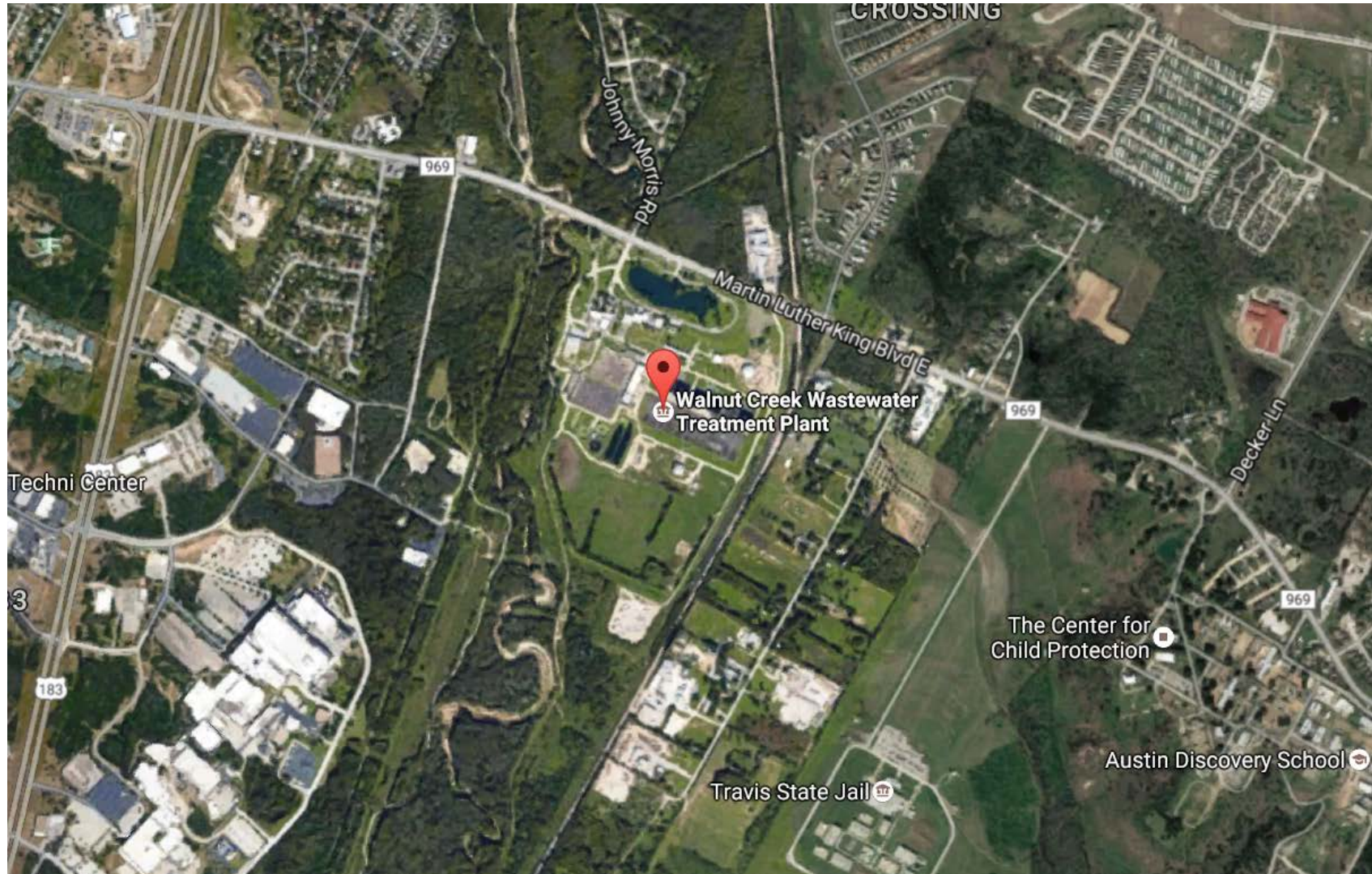
<b>NON M/WBE – PRIME</b>	<b>\$11,653,750</b>	<b>46.39%</b>
Pepper-Lawson Waterworks, LLC, Houston, TX	\$11,653,750	46.39%
<b>MBE TOTAL – SUBCONTRACTORS</b>	<b>\$3,080,250</b>	<b>12.26%</b>
<b>African American Subtotal</b>	<b>\$190,250</b>	<b>0.76%</b>
(MB) Trini Construction Builder, LLC (ceiling, gutters, sidewalks, masonry)	\$85,000	0.34%
(FB) All Points Inspection Svcs, Inc (photography)	\$25,000	0.10%
(MB) MCCO Group, Inc (glass)	\$250	0.00%
(MB) Alvin Washington Trucking, INC (trucking)	\$80,000	0.32%
<b>Hispanic Subtotal</b>	<b>\$2,615,000</b>	<b>10.41%</b>
(FH) T. Morales Co Electrical & Controls, Ltd (Plant Construction)	\$2,615,000	10.41%
<b>Native/Asian Subtotal</b>	<b>\$275,000</b>	<b>1.09%</b>
(FN) KLP Commercial (utility underground construction)	\$275,000	1.09%
<b>WBE TOTAL – SUBCONTRACTORS</b>	<b>\$500,000</b>	<b>1.99%</b>
(FW) Champion Fuel Solutions (Diesel)	\$50,000	0.20%
(FW) Roadway Specialties, INC	\$15,000	0.06%
(FW) Liquid Waste Solutions, LLC (portable toilets)	\$20,000	0.08%
(FW) Guardian Industrial Supply, LLC	\$415,000	1.65%
<b>NON M/WBE TOTAL – SUBCONTRACTORS</b>	<b>\$9,884,000</b>	<b>39.36%</b>
Hartwell Environmental Corp, Tomball, TX (Water/Wastewater Equipment)	\$1,015,000	4.04%
Gruene Environmental Companies, LLC, New Braunfels, TX (Hazardous and Waste Services)	\$100,000	0.40%
JL Hardware, Tomball, TX (Doors and Windows)	\$20,000	0.08%

Smith Pump Co INC, Austin, TX (water pumps)	\$575,000	2.29%
Spectra Contract Flooring, Coppell, TX (Resilient Flooring)	\$5,000	0.02%
Watertech Services, Inc, Waller, TX (Valves, solenoid Controls)	\$4,500,000	17.92%
Central Texas Reinforcement, INC., Austin, TX (Steel, Reinforcing concrete)	\$100,000	0.40%
HRM Consultants, INC, San Marcos, TX (Blowers)	\$407,000	1.62%
Butler Plumbing, INC, Austin, TX (Industrial Plumbing)	\$10,000	0.04%
HD Supply Waterworks, Ltd, Pflugerville, TX (Steel Pipe)	\$1,000,000	3.98%
Metcalf Fabrications, Inc, Houston, TX (Structural Steel Shapes)	\$175,000	0.70%
Overhead Door of Austin, City, ST (Overhead Doors)	\$10,000	0.04%
A&Y Painting, LLC, Temple, TX (Painting and Coatings)	\$350,000	1.39%
Gald Heating and Air Conditioning Co, LLC, Garland, TX (HVAC)	\$100,000	0.40%
T. Morales Co Electrical & Controls, LTD, Florence, TX (Electrical)	\$1,187,000	4.73%
Tex Mex Partners, LTD, Hutto, TX (Concrete)	\$300,000	1.19%
Big Metal Buildings, Houston, TX (Metal Building Systems)	\$30,000	0.12%

The Contractor submitted a MBE/WBE Compliance Plan that met the goals of the solicitation and was approved by the Small & Minority Business Resources Department.

## Walnut Creek Wastewater Treatment Plant – Site Location

7113 FM 969, Austin, Texas 78724



# CERTIFIED BID TAB

<b>CITY OF AUSTIN</b>  <b>BID TABULATION</b>	<b>PROJECT SPONSOR: AUSTIN WATER UTILITY</b> <b>BID CERTIFICATION &amp; CONTRACT REP: MONICA LOPEZ</b>  <b>PROJECT MANAGER: STEVE PARKS</b>  <b>PROJECT CONSULTANTS: BLACK &amp; VEATCH CORPORATION</b>  <b>DURATION: 1125 CAL. DAYS</b>	<b>BID OPENING DATE: 11/3/2016</b> <b>TIME: 1:00 PM</b>  <b>LOCATION: 505 BARTON SPRINGS RD, SUITE 1045C</b>  <b>PRICE EXPIRATION: 120 CAL. DAYS</b>  <b>LIQUIDATED DAMAGES: \$1,500 P/CAL. DAY</b>
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<b>PROJECT:</b>	WALNUT CREEK WASTEWATER TREATMENT PLANT TERTIARY FILTER REHABILITAITON	<b>SUB ID# 3023.025</b>
<b>BID INVITATION NO:</b>	CLMC587	<b>RESPONSES: 1</b>
<b>PROJECT NUMBER(S):</b>	4480 2307 8235	<b>ESTIMATE: \$20,000,000.00</b>

<b>BIDDER(S):</b>		PEPPER-LAWSON WATERWORKS, LLC		
<b>LOCATION:</b>		HOUSTON, TX		
<b>GUARANTEE: BB-Bid Bond CC-Cashiers Check CTC-Cert. Chk.</b>		BB		
<b>ADDENDA ACKNOWLEDGED</b>		2 AMOUNT		
<b>QUANTITY</b>	<b>UNIT</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>AMOUNT</b>
3,000.00	LF	TRENCH SAFETY SYSTEMS	\$1.00	\$3,000.00
<b>ALLOWANCE #1</b>		<b>FILTER BUILDING DOORS</b>	<b>\$20,000.00</b>	
<b>ALLOWANCE #2</b>		<b>MODULAR BUILDING</b>	<b>\$50,000.00</b>	
<b>ALLOWANCE #3</b>		<b>CONCRETE WALLS CONDITION/REPAIR</b>	<b>\$50,000.00</b>	
<b>ALLOWANCE #4</b>		<b>EXISTING PIPING/EQUIPMETN</b>	<b>\$50,000.00</b>	
<b>ALLOWANCE #5</b>		<b>SITE CONDITION</b>	<b>\$100,000.00</b>	
<b>ALLOWANCE #6</b>		<b>TRAVEL</b>	<b>\$25,000.00</b>	
<b>SUBTOTAL ALLOWANCES 1-6</b>			<b>\$295,000.00</b>	

# CERTIFIED BID TAB

BASE BID (INCLUDES ALLOWANCES 1-6 AND EXCAVATION SAFETY SYSTEMS UNIT PRICES)	\$25,118,000.00	
ALTERNATE NO. 1 MEDIA RETENTION BAFFLES FOR FILTERS 5-10	\$100,000.00	
TOAL BID (INCLUDES ALLOWANCES 1-6):	\$25,218,000.00	

**AWARD IS BASED ON BASE BID PLUS ALTERNATE NO. 1**

TRUE COPY OF BID TABULATION AS RECEIVED OR CORRECTED IN ACCORDANCE WITH CONDITIONS GOVERNING PROPOSALS.



11/17/16

CAPITAL CONTRACTING OFFICE  
CONTRACT PROCUREMENT DIVISION  
CITY OF AUSTIN, TX

DATE