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# MEMORANDUM

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**TO:** Members of the Finance Committee  
**FROM:** Rich Olson, City Manager  
Amanda C. Boone, Director of Public Utilities  
**DATE:** August 21, 2019  
**REF:** Consideration – WWTP Improvement Projects Contract Award

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***BACKGROUND:***

The City of Elizabeth City budgeted \$140,000 in the FY 18/19 Budget for Influent Structural Wall Rehabilitation (\$100,000) and Air Piping Repair (\$40,000). In the FY 19/20 Budget, \$90,000 was budgeted for the Plunger Pump Replacement. The total of these three projects is \$250,000.

On April 18, 2019, a request for proposals was advertised for each of these projects. On May 16, 2019, one proposal was received, and subsequently returned; the request was re-advertised on May 20, 2019. On May 30, 2019, two proposals were received.

***ANALYSIS:***

Proposals were received from Enviro-Tech Unlimited Construction Services, LLC (\$753,000) and TA Loving Company (\$771,000). Enviro-Tech Unlimited Construction Services, LLC was the lowest, responsible bidder. The bid certification is attached.

Staff discussed the bid and potential value engineering options. The total savings for the acceptable alternatives is \$60,150.00, bringing the total to \$692,850.

The total project costs, considering the savings, exceeds the budget by \$442,850. The intention was originally to pay for these projects using cash; however, given the additional expense, it is proposed the projects be financed. An agenda item to approve the financing and budget amendment will be brought forth at a future meeting.

***STAFF RECOMMENDATION:***

By motion, recommend that the City Council authorize award for the WWTP Improvements to Enviro-Tech Unlimited Construction Services, Inc. in the amount of \$692,850.



I certify this to be a true and accurate tabulation of bids as received.  
BY *Stephen P. Engle*

### BID TABULATIONS

Client: City of Elizabeth City Project: Upgrades to Wastewater Treatment Plant Second Bid Opening Date: Thursday, May 30, 2019, 2:00 PM Place: City Hall Hall, 306 East Colonial Avenue, Elizabeth City, NC. MORRISVILLE, NORTH CAROLINA	ENVIRO-TECH UNLIMITED CONSTRUCTION SERVICES, LLC P.O. Box 69 Harringer, NC 27941	TA LOVING COMPANY CONSTRUCTION SERVICES P.O. Drawer 919 Goldsboro, NC 27533	TOTAL		TOTAL		TOTAL	
ITEM-DESCRIPTION-MEASURE UNIT	BID	BID	TOTAL	TOTAL	BID	BID	TOTAL	TOTAL
1. Base Bid - Upgrades to the Wastewater Treatment Plant including Aeration Basin Air Piping and Restoration of the Influent Structure (L.S)	\$658,000.00	\$701,000.00	\$ 658,000.00	\$ 701,000.00	\$	\$	\$	\$
2. Contingency Allowance (L.S)	\$20,000.00	\$20,000.00	\$ 20,000.00	\$ 20,000.00	\$	\$	\$	\$
<b>TOTAL PRICE BID - BID ITEMS 1 - 2</b>	<b>\$678,000.00</b>	<b>\$721,000.00</b>	<b>\$ 678,000.00</b>	<b>\$ 721,000.00</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Alternate No. 1: Thickened Sludge Pump Replacement (L.S)	\$75,000	\$50,000	\$ 75,000.00	\$ 50,000.00	\$	\$	\$	\$
Single Prime Contractor License Number	63868			325				
Contract Time: 208 Calendar Days								

**TOTAL \$753,000 \$771,000**

Cost Savings - 60,150.00  
\$692,850



Amanda Boone <aboone@cityofec.com>

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**Re: Elizabeth City Cost Savings Outline**

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Thu, Jul 11, 2019 at 1:17 PM

**Scruggs, Steve** <steve.scruggs@aecom.com>  
To: Amanda Boone <aboone@cityofec.com>  
Cc: "Campbell, Reid" <Reid.Campbell@aecom.com>

Amanda

I have reviewed Nick Brown's two emails and have the following recommendations on the 4 cost savings listed in his July 9 email:

Item 1: I do not recommend changing from the specified high-build, 100% solids, protective epoxy coating, Sikaguard 62. We specified two coats of the Sikaguard 62. The specified epoxy coating will give added protection from the hydrogen sulfide that is in the wastewater spray. The proposed replacement is a high strength concrete, 10,000 psi, but would still be vulnerable to the hydrogen sulfide. It would possibly last longer than the original concrete that probably had a strength of 4,000 psi.

Item 2: I recommend accepting Item 2, eliminating the Temporary HDPE piping for a savings of \$27,500.

Item 3: I recommend accepting Item 3 and using the Netzsch Pump for a total savings of \$15,000 (\$13,750 plus additional savings of \$1,250 for using Netzsch).

Item 4: I recommend accepting Item 4 for eliminating the by-pass pumping and using a hard pipe by-pass for a savings of \$49,685. You or Rebecca will need to tell Nick how long the 24" influent force main can be out of service while he makes the by-pass connection.

With the above recommendations, a total savings of \$92,185 would be realized for a total project cost of \$660,815.

If the City decides to accept all four items, then the total savings would be \$107,185, and the total project cost of \$645,815.

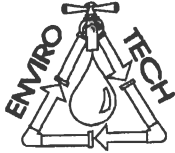
Thanks!

Steve Scruggs, PE

Water Group, Southeast Region

D 919-461-1446 C 919-819-9352

[steve.scruggs@aecom.com](mailto:steve.scruggs@aecom.com)



# Enviro-Tech

License # 63868

Enviro-Tech Unlimited Construction Services, LLC.  
PO Box 69, Harbinger, NC 27941

Telephone (252) 491-5277  
FAX (252) 491-5777

8/16/2019

City Elizabeth City  
Upgrades to Wastewater Treatment Plant

## Original Bid Price

- 1) Base Bid: 658,000.00
- 2) Contingency: 20,000.00
- 3) Alternate 1: 75,000.00

## Cost Saving Options

Item	Description	Cost Savings
<del>1</del>	<del>Use Sika Repair 224 or Sika Cem 226 CI Coatings</del>	<del>\$15,000.00</del>
✓ 2	Eliminate HDPE Temporary Aeration (Stage 2)	\$28,500.00
✓ 3	Use Sydex USA Progressive Cavity Pump	\$14,150.00
✓ 4	Elizabeth City staff monitor bypass pumps for problems/overflow during non-working hours (5:30pm-7:30am). Enviro-tech to respond to alarms/calls. (if any)	\$17,500.00
-	-	-
<b>Lump Sum Savings</b>		<del>\$75,150.00</del>

\$ 60,150.00

The following is a list of assumptions made in preparing this Proposal:

- All federal, state, and local permits to be obtained by the owner prior to the commencement of work.

Thank you for the opportunity to provide you this proposal. If you have any questions, please contact me at (252) 491-5277, ext. 204.

If this proposal is acceptable please signify your acceptance of the terms with your signature below. The return of the executed proposal along with the deposit will constitute the Notice to Proceed hereby authorizing Enviro-Tech to use this form as a Contract to complete the installation per referenced plans and specifications and agrees to the payment schedule as detailed. The terms and conditions of this proposal shall be binding if executed and returned within 30 days of the above date. It is agreed that all invoices will be paid within 30 days. Any invoices not paid within 30 days shall be considered past due and subject to a finance charge of 1.5% per month (18% annum), or the maximum rate permitted by applicable state law, whichever is lesser. The undersign agrees to compensate Enviro-Tech for all attorney fees incurred in collecting all amounts due, whether or not a lawsuit is filed.

Sincerely,  
Nick Brown  
Construction Manager