



Memo

TO: Mayor Manier and City Council
FROM: Ed Andrews, Public Works Director
DATE: June 9, 2017
SUBJECT: Air Controlled Valve @ WTP#2 for Backwash Supplement Line

The air release valve at Water Treatment Plant (WTP) #2 has failed, such that backwash operations are drawing some of the filter media out of the vessel and creating water hammer conditions. This condition is also suspected to have contributed to the recent rebuild of the filter manifold at the vessel nearest the air valve.

Staff obtained the following 3 quotes, with the following results (see PDFs for full quotes):

| | |
|---------|---|
| GA Rich | \$23,322.09 (Day Shift), or \$24,781.24 (Night Shift) |
| PIPCO | \$23,735 (Day Shift) |
| CMI | \$50,800 (Night Shift) |

As such, it is recommended to contract with GA Rich for a not to exceed amount of **\$23,322.09** under Day Shift scheduling. Given the lead times involved with the valve assembly, the Contractor has asked the City to allow them to order the replacement as soon as possible. This information was shared with Council at the rescheduling of the current Council meeting and was allowed to proceed.

This matter has been placed on the City Council consent agenda of Monday, June 12, 2017 for post-ratification review and approval.

**CONTRACTOR'S PROPOSAL
WASHINGTON WTP
WASHINGTON, ILLINOIS**

FROM:
G A Rich & Sons, Inc.
P O Box 50
Deer Creek, IL 61733

PROJECT: Washington WTP
Washington, IL

CONTRACT WORK: Replace Valves/Day Shift

I DESCRIPTION OF CHANGE:
Remove and Replace 6", 8" and 12" Valves and Accessories.
Day Shift.

II SUMMARY OF DETAILED BREAKDOWN:

| | <u>Additions</u> | <u>Deletions</u> | <u>Net Total</u> |
|------------------------|--------------------------------|------------------|------------------|
| A. MATERIAL | \$14,965.00 | \$0.00 | \$14,965.00 |
| B. LABOR | \$3,821.72 | \$0.00 | \$3,821.72 |
| C. EQUIPMENT | \$844.00 | \$0.00 | \$844.00 |
| D. OTHER COSTS | | | |
| 1 SAFETY | (1% of LABOR) - Deletion -0- | | \$38.22 |
| 2 EXPENDABLE TOOLS | (2.5% of LABOR) - Deletion -0- | | \$95.54 |
| E. SUB TOTAL | (A+B+C+D1+D2) | | \$19,764.48 |
| F. OVERHEAD AND PROFIT | (E x 18%) - Deletion -0- | | \$3,557.61 |
| G. TOTAL | (E + F) | | \$23,322.09 |

III CONTRACTOR'S MARK-UP ON WORK OF SUBCONTRACTORS

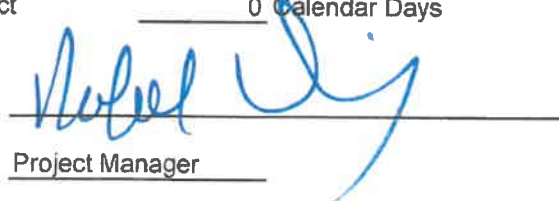
Detailed Breakdowns and Summaries from each Sub-Contractor must be attached.

| <u>SUBCONTRACTOR: Firm Name</u> | <u>CONTRACT WORK: Description</u> | <u>PROPOSAL</u> |
|---|-----------------------------------|-----------------|
| 1 _____ | _____ | _____ |
| 2 _____ | _____ | _____ |
| 3 _____ | _____ | _____ |
| 4 _____ | _____ | _____ |
| H SUBTOTAL of all work performed by contractor's subcontractors | | \$0.00 |
| I CONTRACTOR'S MARK-UP on work of subcontractors | (H x 6%) - Deletion -0- | \$0.00 |

IV FINAL SUMMARY

| | | |
|---|-----------------------------------|-------------|
| J PROPOSAL | (G+H+I) | \$23,322.09 |
| K BONDS | (2.5% of PROPOSAL) - Deletion -0- | \$0.00 |
| L BUILDER'S RISK INSURANCE (if applicable) | (0.3% of PROPOSAL) - Deletion -0- | |
| M TOTAL PROPOSAL for subject RFP increase (decrease) in contract amount | | \$23,322.09 |
| N Time added to contract _____ | 0 Calendar Days | |

**CONTRACTOR
SIGNATURE**



TITLE

Project Manager

DATE 05/12/17

**CONTRACTOR'S PROPOSAL
WASHINGTON WTP
WASHINGTON, ILLINOIS**

FROM:

G A Rich & Sons, Inc.
P O Box 50
Deer Creek, IL 61733

PROJECT:

Washington WTP
Washington, IL

CONTRACT WORK: Replace Valves/Night Shift

I DESCRIPTION OF CHANGE:

Remove and Replace 6", 8" and 12" Valves and Accessories.
Night Shift.

II SUMMARY OF DETAILED BREAKDOWN:

| | <u>Additions</u> | <u>Deletions</u> | <u>Net Total</u> |
|------------------------|--------------------------------|------------------|------------------|
| A. MATERIAL | \$14,965.00 | \$0.00 | \$14,965.00 |
| B. LABOR | \$5,016.48 | \$0.00 | \$5,016.48 |
| C. EQUIPMENT | \$844.00 | \$0.00 | \$844.00 |
| D. OTHER COSTS | | | |
| 1 SAFETY | (1% of LABOR) - Deletion -0- | | \$50.16 |
| 2 EXPENDABLE TOOLS | (2.5% of LABOR) - Deletion -0- | | \$125.41 |
| E. SUB TOTAL | (A+B+C+D1+D2) | | \$21,001.05 |
| F. OVERHEAD AND PROFIT | (E x 18%) - Deletion -0- | | \$3,780.19 |
| G. TOTAL | (E + F) | | \$24,781.24 |

III CONTRACTOR'S MARK-UP ON WORK OF SUBCONTRACTORS

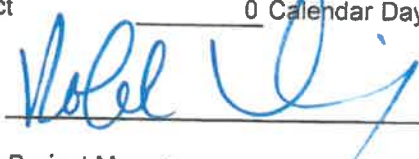
Detailed Breakdowns and Summaries from each Sub-Contractor must be attached.

| <u>SUBCONTRACTOR: Firm Name</u> | <u>CONTRACT WORK: Description</u> | <u>PROPOSAL</u> |
|---|-----------------------------------|-----------------|
| 1 _____ | _____ | _____ |
| 2 _____ | _____ | _____ |
| 3 _____ | _____ | _____ |
| 4 _____ | _____ | _____ |
| H SUBTOTAL of all work performed by contractor's subcontractors | | \$0.00 |
| I CONTRACTOR'S MARK-UP on work of subcontractors | (H x 6%) - Deletion -0- | \$0.00 |

IV FINAL SUMMARY

| | | |
|---|-----------------------------------|-------------|
| J PROPOSAL | (G+H+I) | \$24,781.24 |
| K BONDS | (2.5% of PROPOSAL) - Deletion -0- | \$0.00 |
| L BUILDER'S RISK INSURANCE (if applicable) | (0.3% of PROPOSAL) - Deletion -0- | |
| M TOTAL PROPOSAL for subject RFP increase (decrease) in contract amount | | \$24,781.24 |
| N Time added to contract _____ 0 Calendar Days | | |

**CONTRACTOR
SIGNATURE**



TITLE

Project Manager

DATE 05/12/17



04.28.17

PLUMBING PROPOSAL

Washington Water Plant
#2

Subject: Piping Work

Attn: Tim Randall

The PIPCO Companies thank you and appreciate your invite for us to bid the following work.

We propose to supply all labor, equipment, and material to complete the following at the aforementioned property. This work is figured for occurring during normal business hours (7 AM - 3:30 PM), or other prearranged times, and can proceed after an authorizing signature or verbal authorization is provided :

Work scope to **INCLUDE:**

- Owner to take system(s) out of service as necessary to complete necessary work
- Remove 12" & 8" check valves & associated piping
- Furnish/Install new 12" & 8" check valves & associated piping
- Remove 6" Aquamatic Diaphragm valve & associated piping
- Furnish/Install new 6" Aquamatic Diaphragm valve & associated piping
- Furnish and Install new 8" Mag meter
- Furnish and Install (2) new 8" butterfly valves
- Furnish and Install new 8" associated piping
- Owner to restore system to service upon completion of work

We would **EXCLUDE:**

- Permits
- Overtime or Shift Labor rates
- Manlift

Total Lump Sum: - - - - - \$23,725.00

Respectively Submitted,

Andy Thomas
THE PIPCO COMPANIES, LTD.

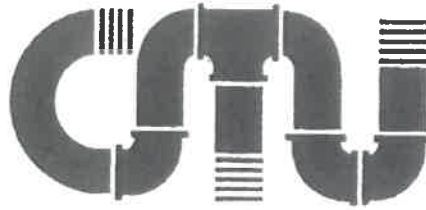
ACCEPTANCE OF PROPOSAL

All work is to be completed in a workmanlike manner, according to standard practices. Any alteration or deviation from above scope involving extra costs will be executed only upon written order, and will become an extra charge of scope over and above the estimate. All agreements are contingent upon strikes, accidents, or delays beyond our control. Owner is to carry all necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

Date: _____ Signature: _____

NOTE: This proposal may be withdrawn by us if not accepted within thirty (30) days.



Commercial Mechanical Inc.

April 27, 2017

To: City of Washington

Re: Washington WTP #2

CMI is pleased to provide a proposal for the **Valve Work** for the above referenced project. Per Our Site Visit on April 21st. Our scope of work is as follows:

CMI will **Include** the following items in this proposal:

- ◆ One Replacement Aquamatic Diaphragm Valve, Normally Closed w/Solenoid
- ◆ One Replacement 12" Silent Check, Globe Style
- ◆ One Replacement 8" Silent Check, Globe Style
- ◆ Two New 12" Butterfly Valves, Gear Operated
- ◆ One New Mag Meter, Wall Mounted Converter/Display & 50ft Cable
- ◆ Start-Up & Training of Mag Meter
- ◆ Ductile Iron Spools for installation of Valves & Meters
- ◆ Rigging as Required
- ◆ Submittals of all Valves Prior to Ordering/Release

CMI will **Exclude** the following items from this proposal:

- ◆ Painting Work
- ◆ Fee's, Bonds & Builders Risk or Sales tax
- ◆ Temporary Utilities of any kind
- ◆ All other Sections or Divisions

Valve Work \$ 50,800.00

Please contact me with any questions. Thank you for the opportunity.

Respectively,

Jeffrey Nott
Commercial Mechanical, Inc.