

TEKIPPE ENGINEERING, P.C.

Engineers – Land Surveyors

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**ADDENDUM NUMBER ONE
TO
PLANS AND SPECIFICATIONS FOR
WASTEWATER SYSTEM IMPROVEMENTS
GUTTENBERG, IOWA
Project No. 080702.MS**

A. APPROVED EQUAL EQUIPMENT

The following equipment has been approved equal and may be used in the project:

- TigermagEP Model FM656 Electromagnetic Flowmeter as manufactured by Sparling Instruments, Inc., El Monte, CA.
- MagFlux Model 7100 Electromagnetic Flowmeter as manufactured by MJK North America Inc., Lake Bluff, IL.
- Model Guard-It phone dialer as manufactured by RACO Manufacturing and Engineering Co., Inc., Emeryville, CA.

B. TPS-1.16-B-1 - CHLORINE BUILDING

The length of the chlorine building shall be extended by 16 inches so that the total length (shown in Detail D.15-1 as 13.33') becomes 14.67'. The wall of the building with the door shall remain as located in the plans, and the location of the opposite wall shall be adjusted.

C. TPS-1.16-C-1 - EQUIPMENT

In addition to the items listed, Contractor shall furnish and install a nominal 150 gallon polyethylene bulk tank for liquid chlorine. The tank shall be vented to the exterior along with the other two bulk tanks. Contractor shall provide blocks to elevate the tank and shall provide PVC pipe, ball valve, and fittings required to connect to the other bulk tanks' transfer line to fill the day tank.

D. LSS-1.01 - GENERAL

The quotation for pumps and controls chosen by the Owner is by Pollution Control Systems and is attached. Contractor's bid shall include purchase and installation of all material on the quotation, along with other materials and equipment to make the project complete.

E. LSS-1.03 - ELECTRICAL SUPPLY

For clarification, the existing 240 volt 3 phase power supply at the lift station is a two-transformer 'open delta' connection. Owner will be replacing the existing transformer bank with a new three-transformer 240 volt 3 phase bank. Questions about power supply may be directed to Jeff Mohs, City of Guttenberg Electric Superintendent, cell phone number 563-880-1059.

All penetrations into the wetwell for electrical or control wires shall be sealed.


F. LSS-1.12 - PIPING AND FITTINGS

The piping in the wetwell, as shown on Sheet E.08, shall be modified as follows:

1. The small pump will have a 4" discharge elbow. Contractor shall supply and install a 6" by 4" eccentric reducer on the discharge elbow. The vertical piping shall be 6" diameter DIP, and the 90-degree bend shall be an 8" by 6" 90-degree reducing bend. The horizontal force main shall remain 8" diameter.
2. Each large pump will have a 6" discharge elbow. Contractor shall supply and install a 8" by 6" eccentric reducer on the discharge elbow. The vertical piping shall be 8" diameter DIP, and the 90-degree bend shall be a 12" by 8" 90-degree reducing bend. The horizontal force main shall remain 12" diameter.

G. ADDENDUM ACKNOWLEDGEMENT

Bidders are reminded to acknowledge this addendum in Part B on the first page of the Form of Proposal.

	<p>I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.</p> <p><i>Lucas J. Elsbernd</i> _____ <u>7-26-10</u> Lucas J. Elsbernd, P.E. Date License Number 18968 My license renewal date is December 31, 2011. Pages covered by this seal: All Sheets</p>
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Pollution Control Systems

102 1/2 East Fourth Street • P.O. Box 103 • Vinton, Iowa 52349 • 319 472-4082

July 13, 2010

City of Guttenberg
Attn: Steve

Engineer: TeKippe
Attn: Lucas

Reference: Water Water System Improvements

Project #: 080702-MS

Section: Lift Station

Per plans and specifications we are pleased to provide the following pricing:

High Flow Pumps

Qt two: Ebara submersible pumps 150DLFU615 with an air filled 20HP 230V 3 phase motor, the pump will deliver approximately 1425 GPM @ 34 TDH @ 1800 RPM non overloading through out pump curve

Qt two: 6" base disconnect discharge elbow

Qt two: upper guide rail brackets

Qt two: Intermediate guide rail brackets

Qt four: 20' SS guide rail pipe

Qt two: Seal fail/over temp relay to be mounted in controller

Low Flow Pumps

Qt two: Ebara submersible pumps 80DLFU63.7 with an air filled motor 5HP 230V 3 phase motor the pump will deliver approximately 350 GPM @ 32 TDH @ 1800 RPM non over loading through out pump curve (one pump supplied as spare)

Qt one: 4" base disconnect discharge elbow

Qt one: Upper guide rail bracket

Qt one: Intermediate guide rail bracket

Qt three: 20' SS guide rail pipe

Qt one: Seal fail motor over temp relay to be mounted in controller

Qt one: Jetco pump controller (see attached scope)

Qt one: Freight of above to Guttenberg Iowa

Qt one: Start up of above 1) 8hr. day

\$52,000.00

Not included: access covers, hoist, anchor bolts, piping, valves, structure, conduit, installation or any thing not listed. The 5HP Ebara pump quoted above will work in the John Deere Lift Station.

Ebara standard warranty: 5 years pro rated warranty or 10,000 hrs.

Sincerely,
Mark Vogt

Equipment Sales

Representatives • Distributors • Service

e-mail: mvogt@qwestoffice.net • www.pollution-control.com • fax: 319 472-5898

Jetco Electric Inc.

CONTROLS DIVISION

Monday, July 12, 2010

Quote Number: Q#3827C

To: Pollution Control

Re: Guttenberg, IA

Attn: Mark

Per plans and specifications, I propose to furnish the following equipment and services:

Lift Station Specifications

Part 1.14 Control Panel

- (1) NEMA 12 Painted Steel Control Panel w/Back Panel
- (1) 200 Amp Main Breaker
- (1) 120Vac Power Distribution Panel
- (2) 90 Amp Pump Circuit Breaker (20HP)
- (1) 30 Amp Pump Circuit Breaker (5HP)
- (lot) Circuit Breakers (Lights, Receptacles, Crane, Furnace, and etc.)
- (1) Uninterruptable Power Supply (UPS)
- (2) 20HP VFD
- (1) 5 HP Motor Starter
- (1) Allen Bradley PLC Pump Controller
- (1) Allen Bradley PanelView
- (1) Lightning Surge Protection
- (1) 120Vac surge Protection
- (1) 3-Phase Power Monitor
- (3) Elapsed Time Meter
- (3) Hand/Off/Auto Switches
- (4) Push Button (pump resets and alarm acknowledge)
- (9) Indicating Lights (Pump Running, Temp/Seal Fail Lights for each pump)
- (3) Timing Relays
- (1) UPS Receptacle
- (1) Digital ISB (Intrinsically Safe Barrier for float switches)
- (1) Analog ISB (Intrinsically Safe Barrier for submersible pressure transducer)
- (lot) misc. materials for proper installation(relays, terminal blocks, etc)

Part 1.15 Level Controls

- (1) Submersible Pressure Transducer
- (2) Float Switches
- (1) Float Switch Mounting Kit

Part 1.17 Light and Alarm system

- (1) 12Vdc Alarm Light/Horn w/Charger
- (1) Alarm Dialer

Jetco shall provide:

- Control system design and submittals
- System programming as required
- Start-Up (1 continuous 8 hour day)

See Notes on next Page

Jetco Electric Inc.
CONTROLS DIVISION

Notes:

1. Price **DOES NOT INCLUDE** mechanical or electrical installation of any kind.
2. Price **DOES NOT INCLUDE** any electrical disconnects, generator/transfer switches, lighting panels, transformers, lighting fixtures, pumps, valves, piping, fittings, gaskets, conduit, wire, junction boxes or other materials not specifically listed above.
3. Price **DOES NOT INCLUDE** any state or local sales taxes that may apply.
4. Quotation valid for 60 days.

Sincerely,
Patrick Northcutt

Sales Associate
515-967-5874