

## ADDENDUM NO. 1

**DATE:** January 30, 2012

**PROJECT:** Water Treatment Plant Controls and Telemetry Updates

**PROJECT NUMBER:** 11-046

**OWNER:** The Village of Stryker

**ENGINEER:** Bell Engineering Limited, Inc.  
05691 State Route 15  
Bryan, Ohio 43506

**TO:** Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents.

***Acknowledge receipt of this Addendum in the space provided in the Bid Form.  
Failure to do so may disqualify the Bidder.***

The following items shall become a part of the contract documents for this project.

1. **Electrical Requirements Excluded from Bid** – The following is a list of electrical requirements that are now excluded from the Bid and will be taken care of by the Village of Stryker.
  - a. Replace the land line system with a radio control system and reprogram the Filter Control Panel & OIT to manage the plant control system.
  - b. Four remote RTU panels to be mounted and supplied with 120 VAC. Directional antennas to be mounted and pointed (line of sight) to the Water Treatment Plant Omni directional antenna.
  - c. Two well locations: Wire a well pump run signal through the “Auto” side of the well HOA switch to pull in the well starter. Wire a dry run confirm contact from the well starter auxiliary contact to the RTU panel. Wire a 4-20 mA flow signal from the well pump flow meter to the RTU panel.
  - d. Two tank locations; Wire a 4-20 mA signal from a level sensor to the RTU panel.
  - e. In the water treatment plant filter control panel, power down the controller and do the following:
    - i. Mount the new 4 pt analog input card on the right side of the PLC modules.
    - ii. Mount the 4 radio modules on the DIN rail on the right of the PLC.
    - iii. Disconnect the field wires from the SCADA output module.
    - iv. Wire with twisted, shielded cable the four analog signals from the radio modules to the new analog input card.
    - v. Wire the discrete input and output signals from two of the radio well cards to the existing discrete inputs and outputs. (4 wires)
    - vi. Wire 24 VDC power to the new Radio module.
    - vii. Mount the Omni directional antenna for line of sight signals from each of the four RTU directional antennas.
    - viii. Run an antenna wire from the Radio module to the Omni directional antenna.
2. **Revised Estimate** – Please refer to the attached revised estimate.

END OF ADDENDUM NUMBER 1

