

ADDENDUM NO. ONE

to

**BID DOCUMENTS, CONTRACT DOCUMENTS
AND CONSTRUCTION SPECIFICATIONS**

for the construction of

**WATER SYSTEM IMPROVEMENTS
STRONG ROCK WELL**

for the

CITY OF LOCUST GROVE

PROJECT NO. 270472

Bids Received Until 2:00 P.M. December 4, 2014

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY INSERTING ITS NUMBER IN THE PROPOSAL. FAILURE TO DO SO MAY SUBJECT BONA FIDE BIDDERS TO DISQUALIFICATION. THIS ADDENDUM FORMS A PART OF THE PROJECT DOCUMENTS; IT MODIFIES THEM AS FOLLOWS:

November 19, 2014



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CONSTRUCTION SPECIFICATIONS

Refer to Section 5.13.D, Performance, Page 5-5.

Revise Section 5.13.D. to read:

- “ *D. Performance: The pump shall be capable of operating at the following conditions:*
- | | |
|---|---------------------|
| <i>1. Well Depth:</i> | <i>603 feet</i> |
| <i>2. Capacity:</i> | <i>150 gpm</i> |
| <i>3. Casing:</i> | <i>8-inch steel</i> |
| <i>4. TDH:</i> | <i>455 feet</i> |
| <i>5. Static Water Level:</i> | <i>0 feet</i> |
| <i>6. Pumping Water Level:</i> | <i>182 feet</i> |
| <i>7. Shutoff Head (minimum):</i> | <i>660 feet</i> |
| <i>8. Horsepower:</i> | <i>25</i> |
| <i>9. Min. Efficiency @ Design Point:</i> | <i>74 %</i> |
| <i>10. RPM (maximum):</i> | <i>3,600</i> |
| <i>11. Pump Setting Depth:</i> | <i>300 feet</i> ” |

Refer to Section 5.13.E.1., Well Pumps, Page 5-5.

Revise Section 5.13.E.1. on Page 5-5 to read:

“ ... operation on 200 volt, 3-phase, 60 Hz at Strong Rock power supply.”

Refer to Section 5.13.E.2., Well Pumps, Page 5-5.

Revise Section 5.13.E.1. to read:

“ Provide a KPSI Series 320 pressure transducer in a full depth 1-inch PVC still well to 5-feet above the well pump. The transducer shall be retrievable through the still well piping through the well cap.”

Refer to Sections 5.13.E.1-2., Well Pumps, Page 5-6.

Delete Sections 5.13.E.1 and 2 on Page 5-6.

Refer to Section 5.15, Chemical Feed Equipment, Pages 5-20 through 5-21.

Revise Section 5.15.A.1.a. to read:

“a. One (1) LMI B711 solenoid type metering pump systems, maximum capacity 1.6 gallons per hour, including:...”

Revise Section 5.15.A.2.a. to read:

- "a. *One (1) LMI A741 solenoid type metering pump systems, maximum capacity 0.5 gallons per hour, including:*
- 1) *4 function discharge valve*
 - 2) *SigmaMotor IQ series injector quill, ½" connection and tubing*
 - 3) *Suction and discharge tubing kit*
 - 4) *One (1) repair kit per pump*
- b. *One (1) corrosion proof pump stand with piping to include suction pipe, fittings, and foot valve for metering pump."*

Revise Section 5.15.A.3.a. to read:

- "a. *One (1) LMI A741 solenoid type metering pump systems, maximum capacity 0.5 gallons per hour, including: ..."*

CONSTRUCTION DRAWINGS

Refer to Sheet 8 of 13.

Replace all 30 horsepower well motor labels to read 25 horsepower.

Revise motor conductor to read:

"3#1, #6G, 2C."

Revise MS-1 Equipment Schedule to read:

Danfoss VFD VLT AQUA drive FC, 25 HP, 200 - 240 VAC... "*

Refer to Sheet 11 of 13.

Add the following tables:

<i>Storm Drain Outlet Protection</i>					
<i>Pipe</i>	<i>Length (La) (ft)</i>	<i>Width (W1) (ft)</i>	<i>Width (W2) (ft)</i>	<i>Diameter (d50) (ft)</i>	<i>Depth (D) (ft)</i>
<i>P1</i>	7.5	6	9.5	0.5	1.13
<i>P2</i>	12	7.5	14.5	0.5	1.13
<i>P3</i>	20	9	23	0.6	1.35

<i>Storm Drain Pipe Flow Characteristics</i>				
<i>Pipe</i>	<i>Type</i>	<i>Flow Rate</i> <i>(cfs)</i>	<i>Velocity</i> <i>(fps)</i>	<i>Tailwater</i> <i>Condition</i>
<i>P1</i>	<i>24" R.C.P.</i>	<i>4.3</i>	<i>9.2</i>	<i>Minimum</i>
<i>P2</i>	<i>30" R.C.P.</i>	<i>14.1</i>	<i>14.8</i>	<i>Minimum</i>
<i>P3</i>	<i>36" R.C.P.</i>	<i>47.6</i>	<i>9.0</i>	<i>Minimum</i>

END OF ADDENDUM NO. ONE