



June 2021

City Of La Crosse Water Utility
400 La Crosse Street
La Cross, WI 54601
Attn: Leland Anderson

RE: Well 20 Casing Repair and Pump Install

Dear Leland,

The purpose of this proposal is to provide you with information and pricing for the Water Well Solutions service team to install a stainless-steel patch at Well 20 and install existing pumping equipment. Per our recent conversation the pumping equipment has been removed from the well. I have watched the video of the well televising you shared with me and witnessed the gravel pack being pulled into the well from the hole in the casing at approximately 90'. Below is a scope of work and associated cost for repairing the well casing and installing the pump.

Our recommendation would be to disassemble and inspect the pump, if it is determined that large amounts of gravel pack has entered the well and passed through the pump so that we can offer a standard 1 year warranty on the installation.

Proposed Scope of Work:

1. Load applicable equipment and supplies and mobilize to the site.
2. Set up equipment for brushing well casing. Brush well for 4 hours with a steel bristle brush.
3. Televis well and to find hole at 90' and any other compromised areas of casing. Use our measurements for installing S.S. Patch.
4. If the video reveals further problem areas, we may have to order additional patching materials.
5. Set up equipment to install patch with inflatable packer.
6. Preform patch calibration at surface with calibration blank.
7. Install 18" neoprene backed patch.
8. Televis well to verify successful patch installation.
9. Verify level of gravel pack in annular space and refill as needed. Bale any gravel pack/fill from well to total depth.
10. Install Pumping equipment, chlorinate well, perform performance test while pumping to waste and collect bacti sample per DNR requirements.
11. Clean site and demobilize.

Estimated Labor

2-man crew w/service truck (est. 40-45 hrs.@ \$265/hr.)	\$10,600.00-\$11,925.00
Pump Hoist- (est. 4 days@ \$900/day)	\$3,600.00
2 Video Log of Well @\$1000/each	\$2000.00
Patch Install Technician with Service Truck (est. 20-25 hrs.@ \$185/hr.)	\$3,700.00-\$4,625.00



Estimated Materials

5'x18" Neoprene Backed Patch	\$14,926.40
5'x18" Calibration Blank	\$3137.42
Inflatable Packer Rental	\$10,000.00
Gravel Pack	\$600.00
IPI Hydraulic Packer Pump @ \$1200/Day	\$1,200.00

Please note- there may be additional fees for supplies related to pump re-installation such as: airline, pipe dope, tape, electrical splicing, chlorine, and samples. Any DNR submittals or approval can be provided by our staff engineer for a fee of \$125/hr.

Total for Material and Labor: \$49,763.82-\$52,013.82*

**The provided pricing is for the materials and labor associated with the proposed scope of work. If any additional work is discovered during the installation, work will be stopped and discussed before proceeding. If work continues, it will be billed at \$265/hour plus any additional materials. Due to rising cost for materials, and rapidly declining availability, Water Well Solutions Wisconsin, LLC and Water Well Solutions Illinois, LLC must reserve the right to update any and all price quotes from this day forward, until further notice. This pricing is good for 1 week.*

If there are any questions regarding the information proposed, please do not hesitate to contact directly. Thank you for the opportunity to provide you with this proposal.

Sincerely,

Jeremy Hoberg
Project Manager
Mobile: (262) 354-4082
jeremy.hoberg@wwssg.com