



WILLETT HOFMANN

& ASSOCIATES INC

ENGINEERING ARCHITECTURE LAND SURVEYING

Serving Our Clients Since 1935

December 9, 2020

Mr. Adam Lanning, Utilities Director
Rochelle Municipal Utilities
P.O. Box 456
Rochelle, Illinois 61068

Re: Well No. 8
WHA No. 1044D19

Dear Mr. Lanning:

We have reviewed the recommendations in the Water Well Solutions email dated November 12, 2020 and the proposal from Engel Electric Company dated November 20, 2020, for the electrical upgrades at the Well No. 8 building. Water Well Solutions recommended that an in-line filter be installed on the load side of the variable frequency drive (VFD) to protect the Well No. 8 submersible pump motor. We agree with Water Well Solutions recommendation. We would design an in-line filter with a VFD for a submersible pump application like Well No. 8. This is typically recommended by all submersible well pump motor manufacturers.

Engel Electric Company has also included in their proposal adding a surge protection device on the incoming electrical service and a breaker on the service line to the well pump VFD. We would include both a surge protection device and a breaker if we were designing a new electrical system for a similar well building design.

Our recommendation is to approve Engel Electric's proposal and proceed with the notated electrical upgrades for Well No. 8.

Feel free to call if you have any questions.

Sincerely,

WILLETT, HOFMANN & ASSOCIATES, INC.

BY 

Matt Hansen, P.E.

MH:ch

Encl.

cc: Jay Mulholland, Water/Water Reclamation Superintendent (via Email)
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