Power Requirements -
Please Forward to Design Professional or Your Customer

DATE: 2/24/16
TO: Ken Gardner, Rosenberg Gardner Design
FROM: Kathleen VanKuren, Hoover Pumping Systems
RE: Douglas Park Booster Pump System Electrical Service PN13894

Thank you for selecting Hoover Pumping Systems to provide the packaged pump system for this project.

The following design information should be given to the engineering professional responsible for the design of the electrical supply to the pump system.

The system will be manufactured based on one of the following electrical configurations (listed in order from most preferred to least preferred):

Voltage	Phase	Hertz	Panel Connections
460	Three	60	4 Wires (A, B, C, Ground)
230	Three	60	5 Wires (A, B, C, Neutral, Ground)
208	Three	60	5 Wires (A, B, C, Neutral, Ground)
230	Single	60	4 Wires (A, B, Neutral, Ground)
208	Single	60	4 Wires (A, B, Neutral, Ground)
230	Open-Delta Three	60	5 Wires (A, B, C, Neutral, Ground)

The Hoover Pumping Systems pump system is supplied with an Underwriters Laboratory® listed enclosed Industrial Control Panel assembly. The Control Panel assembly contains all of the pump system controls, a main disconnect, and a ground connection. All panel penetrations by the installing electrician must use fittings and methods rated NEMA 4 or NEMA 4X. A separate service disconnect is required for systems less than 40 total horsepower.

The pump station will include the following pump motor loads:

Load	Horsepower	Amps [1]	Service Factor
Pump#1	3	Based on voltage/phase	1.15
Control Panel	N/A	4	N/A

The data here may be used for selection of appropriate electrical supply equipment, including feeder, branch circuit protection, and disconnects.

Please contact Hoover Pumping Systems at (954) 971-7350 for assistance with voltage drop or other application considerations. Thank you.

[1] Pump motor Full Load Amps (FLA), larger of variable frequency drive rated input current (ref. N.E.C. 430-122), or motor FLA per N.E.C. tables 430-148 and 430-150.