

**CITY OF FERNDALE
THORNTON ROAD WATER PUMP STATION UPGRADE**

**ADDENDUM NO. 3 (2 pages total)
Issue Date: May 25, 2018**

General: Recitations of each and every section of the bid documents impacted by this addendum are not given. The described changes impact all relevant portions of the bid documents whether specifically cited below or not.

GENERAL CONTRACT CLARIFICATIONS:

1. **Revise Bid Date to June 1, 2018 at 1:00pm** (not May 30).
2. Temporary power feed items:
 - a. Temporary power will be limited to one 5-day period Monday – Friday. Contractors are expected to install as much equipment as reasonably possible before beginning the switch over process.
 - b. During temporary power existing pump controls shall be incorporated. Coordinate required controls and existing Cla-Val operations with the City and their Programmer.
 - c. During temporary power call out alarms for the pump station shall be provided. Alarm call out shall include generator fault. Generator run signal also to be provided. Alarm call outs shall alert first the Contractor and second the City.
3. Shaft grounding rings to be replaced on each of the two existing 100 HP booster pumps shall be coordinated with the manufacturer. Pump motors are US Electric 100 HP, 460V, frame size 404TP. Motors are inverter-duty rated.
4. VFD Harmonics items:
 - Provide active filter solution to meet IEEE-519 with point of common coupling (PCC) at MCC input. Mesta #3AC2DPM100-480-1, or equal.
 - Provide 125/3 breaker in MCC for power connection, and control raceway for CT metering.
 - Line/load reactors not required with active filter.
 - Coordinate final location during equipment submittals, either inside wall if working space can be achieved, or on outside east wall in NEMA 3R enclosure, alongside other power distribution equipment.
 - Contractor to provide final testing to document compliance with IEEE-519 at PCC.
5. Clarification **Specification Section 16920 Motor Control Centers, Section 2.02.C:** the MCC enclosure shall be NEMA 1 per Drawing Sheet E3 NOT NEMA 12 as indicated in the specifications section.

6. Clarification **Revised Drawing Sheet C2.2 (issued as part of Addendum 2):**

- Keyed Note 8: a total of 14-inches of riser height (not including top slab) is anticipated to achieve final grade. Total proposed height of riser(s) plus top slab is approximately 22-inches. Contractor to field verify.
- Keyed Note 8: Contractor shall be responsible for redesign of non-standard opening/rectangular access hatch to be cast into specified WSDOT top slab.
- Keyed Note 10: height of existing meter vault structure is 7.16' floor to ceiling (inside). Provide horizontal ladder supports as needed so that ladder is accessible from hatch opening. Coordinate with Owner.
- Provide water tight seal between all concrete riser and vault joints. Contractor to include a water tight compound (Adeka Ultraseal P-201 Hydrophilic Caulk, or equal)