­Date: October 28, 2021

To: Pete Brezall

From: Ted Wille

Subject: Addendum 2 Clarifications & Design Changes and Additions

Clarifications:

1. The electric utility for this site is United Power.
2. Startup requirements:
	1. The equipment furnished and installed under this contract shall be started up and the operation of each piece verified.
	2. The entire station startup and checkout will NOT be under this contract and shall be performed by the City and Browns Hill.
3. Most of the drawings in this package are just the original construction drawings marked up to show the relative locations of the equipment effected by this work.
4. The existing VFDs shall be refurbished in place.
5. The wet well shall be dewatered and continually pumped out to maintain a safe water level in the wet well during work in the wet well. There is a gate valve, but there may be some minor leakage. The dewatering can be pumped into the lake at the pump station.
6. For V2002 and the magmeter in the vault, the bid shall assume that the wiring to this equipment is good and does not need to be replaced.
7. Browns Hill will do a new arc flash study under the engineering work for the project.
8. The VFDs shall be tested, and correct operation verified by the VFD supplier.
9. The pipe where the new flow meter is to be installed shall be assumed to be full of water and the contractor shall be responsible to deal with this water. There are isolation valves around the meter.

Design changes and additions:

1. The electrical disconnect in the vault with valve V2002 shall be replaced. The new disconnect shall be a heavy duty disconnect, 3P-30A, stainless steel, NEMA 4X.
2. The individual pieces of equipment shall have a 1-year warranty for parts and labor.
3. A concrete pad shall be poured for the new service entrance gear. The pad shall extend 6” on both sides of the new gear and extend 3 feet in front of the gear. The pad shall be 6 inches thick with one matt of #4 rebar at 16” centers.
4. See changes on Sheet E3 for the conduits needed for installing the V2090 valve actuator.
5. The existing actuator on V2030 shall be replaced with a new equivalent actuator.
6. On the existing valve V2090, the existing hydraulic hoses shall be removed back to the hydraulic unit and the pipes capped.
7. The specifications for the Colorado State Monitoring Panel are reissued in this addendum. This panel shall be provided by Browns Hill.
8. Valve 2090 will need to be rotated 90 degrees to provide a clear walkway in the pump station, which will be incidental to the installation of the new bonnet. The contractor will need to install new bolts for the valve.