

Addendum No. 1
2016 BENNETT REPLACEMENT WELLS

Date: May 13, 2016

Owner: **Town of Bennett, Colorado**

The Contract Documents for the above named project are hereby revised as follows:

1. The bid opening is extended by one week until 10:30 A.M. on Monday, May 23, 2016.
2. As a point of clarification for Item 22 of the General Conditions, "Liquidated Damages", although time is of the essence for the Work, monetary liquidate damages, as provided for in this Specification section, will not be accessed. The Owner will rely upon current and future relationship considerations that Contractor(s) will use their best efforts to complete the work in a timely manner.
3. At page 33210-1 of the Specifications, the bury depth for the pitless adapters shall be changed to 5'-0" and the vents shall extend to between 18" and 24" above finished grade.
4. The first paragraph at section 3.5, "Trenching" on page 16000-7 of the Specifications shall be changed to read "Buried conduit shall have a minimum cover of ~~24~~18-inches and be located no closer than ~~5 feet~~ **18 inches** horizontal, when parallel to other buried pipelines, unless otherwise shown on the Drawings."
5. At page 16000-7 of the specifications, "Construction Power and Lighting", Owner will allow Contractor(s) to extend 120 VAC, single phase power, not exceeding 15 amps demand, from existing electrical outlets and utilize this power during construction at no charge.
6. At Item 5 for Proposal Item 2 on page 33210-2, and at Item 5 for Proposal Item 3 on page 33210-3 of the Specifications, API-5L pipe may be used in place of the specified EUE pipe.
7. For work at Well #3 LFH, Contractor shall use reasonable care to segregate and replace existing gravel during his performance of the Work but, beyond this, will not be responsible for importing and placing new gravel at the site upon completion of his Work.
8. It is the intent of the Contract Documents that all buried pipelines will be "restrained" through the use of mechanical joint restraint glands, bell restraints, and other similar measures.
9. Contractor shall supply and install the lightning arrester (LA) in the EUSERC switchboard shown on Sheet 3 of the Drawings. The LA shall be a MacLean Power System "Surge Tec" Z3-480 or approved equal.
10. Sheets 3 and 4 of the Drawings are hereby replaced with the attached drawings.

TOWN OF BENNETT, COLORADO

/s/ Daymon Johnson
Public Works Director

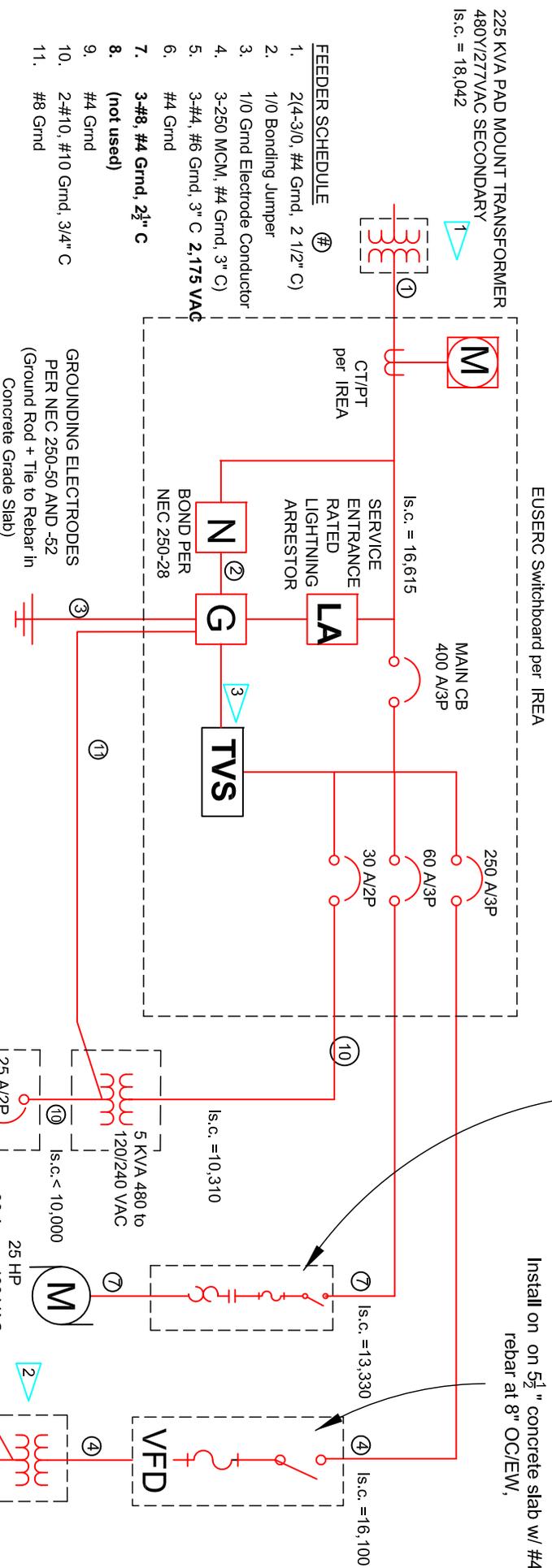
Published to Town of Bennett's web site on May 13, 2016

FLAG NOTES #

1. IREA to provide and install pad-mount transformer and primary service conductors. Contractor to route new 480 VAC secondary circuit to pad and make connections at EUSERC Switchboard. IREA to route primary conductors and connect to both primary and secondary terminals of transformer.
2. Well Pump Contractor to provide step-up transformer on precast concrete slab and route 3" PVC conduit from pitless to step-up transformer.
3. TVSS to be Eaton CVX050 or equal. Minimize lead length and twist/tie conductors.
4. Well Pump Contractor to provide, install, and make connections of medium voltage cable.

FVNR Starter w/ Symcom 777 OL Relay,
60 A/3P NEMA 3R, 45 Amp Class RK5
Support to be two 2" GRC x 10' with 3' x
8" Ø concrete encasement and
galvanized unistrut horizontals

Free Standing NEMA 3R Variable
Frequency Drive
w/ Main Disconnect, Semiconductor
Fuses, and output Sine Wave
Reactor, TVSS - 22 KAIC
Install on on 5½" concrete slab w/ #4
rebar at 8" OC/EW,



NOTES

1. Coordinate and comply with all electrical service requirements of IREA.
2. All electrical work shall comply with applicable local building codes including the National Electric Code.
3. All conductors to be copper, THHN/THWN-2
4. This diagram is schematic in nature and does not necessarily show all materials required for a complete installation.
5. Route 3/4" conduit from Well #3 pitless to new VFD w/ 4-20 mA DC well level signal cable.
6. Route 3/4" conduit w/ 6 #1/4 and #1/4 grnd from each VFD to existing control panel at pump station for VFD run status, VFD fault status, and run control in Auto mode.
7. Buried conduit to be PVC. GRC to be used outside where exposed and transition to PVC at 6" depth. Protecto wrap GRC where buried.
8. Provide vertical slip joints for conduit at connection to pitless units.

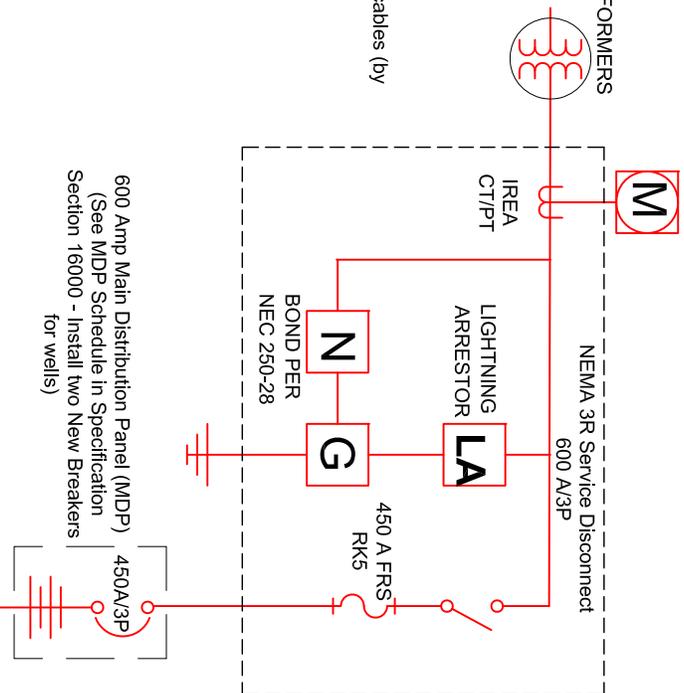
- Single Phase Power
- 5 KVA 480 to 120/240 Transformer
- Panelboard w/ 25 A/2P Main CB (NEMA 3R)
- Provide 20-amp GFI/C breaker and outlet w/ weatheright cover and 20-amp/2 pole 240 VAC outlet with weatheright cover.
- Support with Well #7 controls

2016 Bennett Replacement Wells - Sheet 3 - ELECTRICAL ONE-LINE DIAGRAM

Addendum 1 - 5/13/16

Proposal Item 4 - Electrical Work (except as noted) Wells #3 and #7, 365 Palmer Ave, Bennett, CO. 80102

3 x 50 KVA POLE MOUNTED TRANSFORMERS
 480Y/277VAC SECONDARY
 Is.c. = 4,009

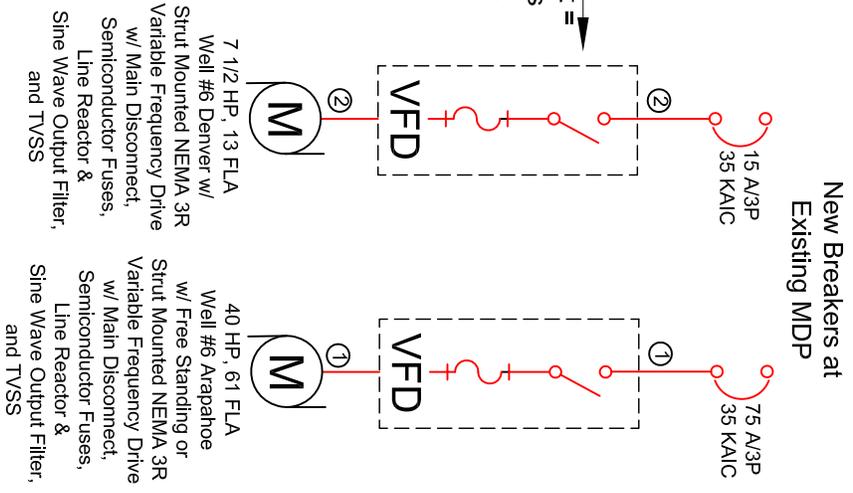
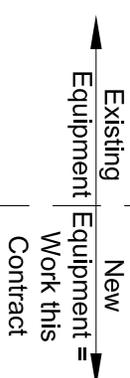


FEEDER SCHEDULE (#)
 Connect to submersible well pump cables (by others) at pitless units.

1. 3-#4, #8 Grnd, 1-1/4" C
2. 2-#10, #10 Grnd, 3/4" C

NOTES

1. All electrical work shall comply with applicable local building codes including the National Electric Code.
2. All conductors <=600 VAC to be copper, THHN/THWN-2
3. This diagram is schematic in nature and does not necessarily show all materials required for a complete installation.
4. Route 3/4" conduit from each pitless to associated VFD w/ 4' 20 mA DC well level signal cables.
5. Route 3/4" conduit from each pitless to associated VFD to existing control panel at pump station for VFD run status, VFD fault status, and run control in Auto mode.
6. Support for new VFDs to be two 2" GRC x 10' with 3' x 8" Ø concrete encasement and galvanized Unistrut horizontals. Buried conduit to be PVC. GRC to be used outside where exposed and transition to PVC at 6" depth. Protecto wrap GRC where buried.
7. Provide vertical slip joints for conduit at connection to pitless units.
- 8.



2016 Bennett Replacement Wells - Sheet 4 - ELECTRICAL ONE-LINE DIAGRAM