

March 26, 2015

Re: Empire Lift Station Improvement Project – Carson City, Nevada
Project No. 051404
Addendum #1

This addendum is in response to correct and present clarification to the contract documents. Please see the following:

1. The existing 240D/120V utility transformer is being replaced with a new 208Y/120V 3-phase transformer. This affects some of the electrical Equipment Schedule items (ES/#). Please find the following list of equipment to be revised:

ES/2: 208V Automatic Transfer Switch with in-phase transfer –
Eaton #AT-C-1-C2-X-3-0100-B-S-U

ES/5: 208Y/120V Surge Protection Device – Eaton #PT-X-080-3Y101

2. Equipment Schedule Item-3: Remove exact receptacle part number and provide a spring-door receptacle to match existing Carson City portable generator plug manufacturer and configuration. Verify with existing Carson City portable generator plug.
3. Equipment Schedule Item-4: Include and revise the breakers required by the single-line diagram (A/E5) as follows:
 - (7) – 20A 1P various load circuit breakers
 - (1) – 20A 2P site lighting circuit breaker
 - (1) – 50A 3P pump control panel circuit breaker
 - (1) – 40A 3P surge protection device circuit breaker
 - (3) – 20A 1P spare circuit breakers
 - (5) – future breaker empty space provisions
4. Equipment Schedule Item-6: Alternating duplex pump controller to incorporate cover controls (push-to-test LED pilot lights, elapsed time meters, & selector switches) and components (relays, control power transformer, circuit breakers, phase-monitor) as shown in the wiring schematic of A/E4.
5. Equipment Schedule Item-8: There are components which need to be corrected to accommodate the new transformer voltage and configuration. Specifically,

accessory items shall be revised to operate at 120V as opposed to the 230V originally designed. Also, some accessory items have been updated to reflect current manufacturer designations. These items are as follows:

#A72P60: revise mounting panel to current part number – Hoffman #A72P60F1

#ASSPKH5: revise to stainless-steel, pad-locking handle – Hoffman #AL36DR

#TFP62: revise to 120V cooling fan – Hoffman #SF0516514

#SG061: revise to current part number – Hoffman #SG0500404

#T10S3R: revise to current part number – Hoffman #SH05GS35001

#DAH8002A: revise to 120V 800W unit heater – Hoffman #DAH8001B

#LEDA1M35: revise to current part numbers and required accessories –
Hoffman #LED24V15, #LED24VCORD, #LDSWITCH18, #ALFSWD

6. The existing pump station motors are 230V rated and require boost transformers to increase the new 208V system to 240V for the pumps. Add quantity (2) as follows:

Equipment Schedule Item-20: 240x32V 2kVA boost transformer –
Eaton #S10N06P02P

The new transformers shall be installed per manufacturers wiring diagram for open-delta connection and be installed as found in the attached revised B/E3.

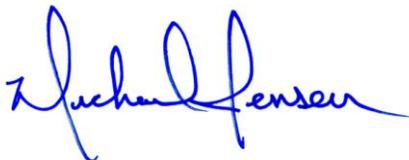
7. Add a new Sheet Note 2/E3 to apply to the Manual Transfer Switch (ES/3) on elevation C/E3 for the minimum generator connection type as follows:

2. PROVIDE AND INSTALL BLACK PHENOLIC PLACARD WITH 1/4" WHITE ENGRAVED CHARACTERS WHICH READS:

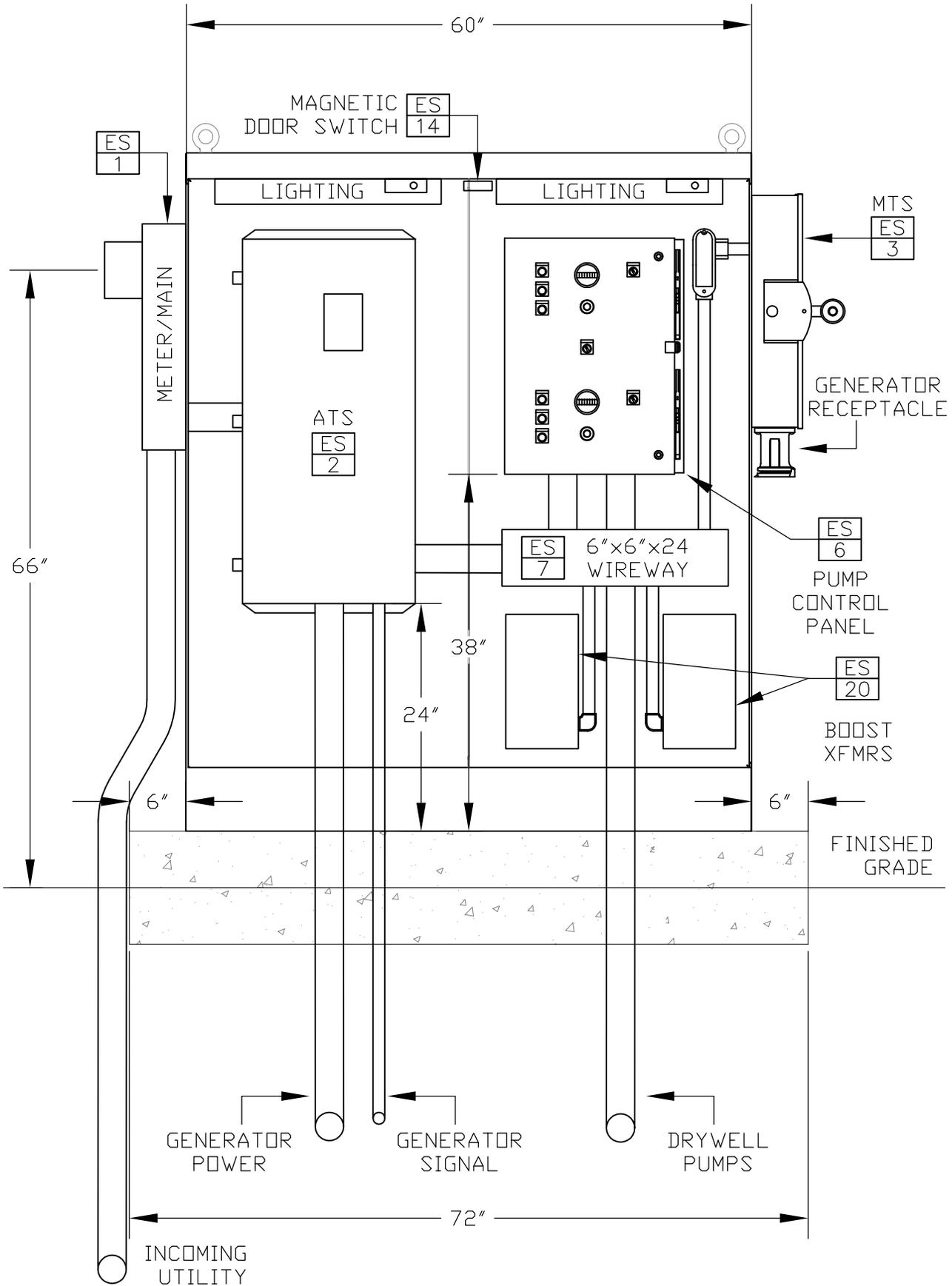
CONNECT WITH
20kW/25kVA (MIN.)
208Y/120V 3Ø
GENERATOR

I trust that the above stated is clear; however, please feel free to contact me with any additional questions or comments.

Respectfully submitted,



Michael Jensen, PE
Jensen Engineering, Inc.



B CONTROL CABINET
E3 (FRONT INTERIOR)

SCALE:
NOT TO SCALE