



**ADDENDUM NO. 4
TO THE
CONTRACT DOCUMENTS**

FOR

**HILLCREST AND DONLON
BOOSTER PUMPING STATION IMPROVEMENTS
ANTIOCH, CALIFORNIA
P.W. 477- BP2**

**ISSUED
October 6, 2020**

This Addendum No. 4 must be signed by the bidder and attached to the CONTRACT PROPOSAL PACKAGE for consideration by the City. The City reserves the right to disregard any proposal which does not include this Addendum. The City may waive this requirement at its sole discretion.

SEE ATTACHED ADDENDUM ITEMS

Approved By: _____

Scott Buenting, P.E.



BIDDER'S CERTIFICATION

I acknowledge receipt of this Addendum No. 4 and accept all conditions contained herein.

Bidder: _____

By: _____

ADDENDUM NO. 4

Hillcrest and Donlon Booster Pumping Station Improvements P.W. 477-BP2

Issued October 6, 2020

- 1) The first paragraph of the "Notice Inviting Bids" is amended to state the following:

"NOTICE IS HEREBY GIVEN THAT sealed bids will be received by the Office of the City Clerk of the City of Antioch at Antioch City Hall, located at 200 "H" Street Antioch, California 94509, until 2:00 p.m., October 13, 2020, at which time bids will be publicly opened and read at the parking lot directly south of Antioch City Hall located at 200 "H" Street Antioch, California 94509".

- 2) The first paragraph of Division A, Section A-1, Bid Opening and Award, is amended to state the following:

"sealed proposals will be received by the Office of the City Clerk, City Hall, located at 200 "H" Street Antioch, California, until 2:00 p.m., on October 13, 2020, publicly opened and read at the parking lot directly south of Antioch City Hall located at 200 "H" Street at 2:00 p.m., October 13, 2020.

- 3) Delete Specification Section 26 24 19-paragraph 2.04-D.
- 4) Delete Specification Section 26 24 19-paragraph 2.04-E.
- 5) Replace Specification Section 43 23 75 paragraph 1.02.C. Operating Conditions and Design Requirements, Hillcrest BPS Improvements – P1, P2, P3, with the following:

<u>"Hillcrest BPS Improvements</u>	<u>P1, P2, P3</u>
Condition A (rated point)	
Capacity, gpm	1,500
Head, ft	103
Minimum efficiency, percent	79
Condition B (operating point 1)	
Capacity, gpm	1420
Head, ft	107
Minimum efficiency, percent	78.5
Condition C (operating point 2)	
Capacity, gpm	1620
Head, ft	100
Minimum efficiency, percent	79

Condition D (operating point 3)	
Capacity, gpm	1800
Head, ft	92
Minimum efficiency, percent	78
Maximum motor horsepower	60
Maximum motor and pump speed, rpm	1800
Minimum suction size, inches	8
Minimum net positive suction required, ft	13.1
Power supply, volts (3 phase, 60 Hz)	460"

- 6) On Drawing E-02-101, delete Key Note 5 and replace it with the following:

To mount the soft start for Pump 2, remove the existing unused bracket for Pump 2 on the north wall interior and replace it with a similar bracket, with dimensions and capacity to attach the new soft start such that its outside face is at least 1 inch in its vertical plane beyond the underlying pump discharge manifold southern edge. Coat the bracket using manufacturer's recommended methods with epoxy primer and topcoat per Section 09 90 00 Coating System E-1, with topcoat color as selected by the Owner. Provide signed and sealed engineering calculations for the new bracket and its anchorage. Modify conduit and wiring as need to accommodate the wall-mounted soft start.

- 7) On Drawing E-02-101, in Key Notes, make the second "Note 5" into "Note 6" and change "Note 6" into "Note 7".

- 8) On Drawing E-02-601, delete Key Note 1 and replace it with the following:

Move Combination Starter and Reduced Voltage Soft Starter to the BPS north interior wall per Item 6) above. Modify Single Line Drawing accordingly and modify and reuse the upper or lower portion of the empty compartment/vertical section to install required electrical components and parts separate from the RVSS.

RESPONSES TO REQUESTS FOR INFORMATION

- a. Question: The documents indicate that the design MAY require PVC Coated Rigid Conduit (Ocal) for 100% of the underground runs. (Sheet E-01-603, note 6). This is unusual, but not entirely uncommon. Please confirm that we should bid this way INSTEAD of the standard method of utilizing OCAL Risers out of the ground, and utilizing PVC conduit for the majority of the underground portion of the conduits.

Answer: The only conduit required to be PVC Coated GRS is the underground conduit (S100) for the control valve analog signals. This conduit is now depicted on Drawing E-01-603 REVISION 2 which shall replace E-01-603. Note, all exposed conduit installations shall be rigid Aluminum (ref. General Note 5 on drawing E-01-102). Underground conduits conveying #14 control wiring shall be

PVC. All conduit risers from underground PVC shall be PVC coated GRS. Please refer to Appendix for amended Drawing E-01-603.

- b. Question: We have been advised that both Eaton and Rockwell (Allen Bradley) have Arc Resistant MCCs with remote racking capability as specified. Eaton's product line is called Flashguard and meets all of the specifications except they do not have cable boots. The Switchboard will not have remote racking as your drawings show fixed breakers. Still waiting for further information from SqD.

Answer: The Contractor shall provide Square-D (Schneider) to match existing City equipment.

- c. Question: One of the Generator suppliers advised that they can provide a 500 gallon double wall fuel tank integrated in the generator skid eliminating the need for fuel lines for the Hillcrest Pumping station. I assume that all the generator suppliers can do the same; would this interest the City?

Answer: No.

- d. Question: While reviewing the Addendum plans I see that Dwg E-01-601 Rev 1 has a note below the MCC stating 30" Deep (typ). This is very unusual for Nema 1 MCC enclosures as they are typically 20" Deep or 15"; in fact, spec 26 24 19 expressly states that MCCs will be 20 inches deep unless otherwise noted. Please confirm that 30" Deep is correct or provide a corrected drawing showing the typical 20" deep sections. Note that Eaton MCCs are 21" deep rather than 20".

Answer: The MCC enclosure is 20" deep. Please refer to Appendix for amended Drawing E-01-601 REVISION 2.

- 9) The attached "Schedule of Bid Prices – Revision No. 2" shall be submitted in lieu of the "Schedule of Bid Prices".

APPENDIX

Title: Hillcrest and Donlon Booster Pumping Station
Improvements in Antioch, CA (P.W. 477-BP2)

Bids to be received by 2:00 p.m.
October 13, 2020
Office of the City Clerk,
City Hall, Antioch, CA

SCHEDULE OF BID PRICES REVISION No. 2

Item No.	Unit	Quantity	Description	Unit Price	Extended Amount
1.	LS	1	Mobilization, complete in place for the lump sum price....	\$	\$
2.	LS	1	Water pollution control, complete in place for the lump sum price.....	\$	\$
3.	LS	1	Traffic control, complete in place for the lump sum price.....	\$	\$
4.	LS	1	Hilcrest Booster Pump Station Improvements, complete in place for the lump sum price.....	\$	\$
5.	LS	1	Donlon Booster Pump Station Improvements, complete in place for the lump sum price.....	\$	\$
TOTAL BID PRICE				\$	

TOTAL BID PRICE: _____
(Written in Words)

All costs associated with the work required in the Plans and Specifications must be included in the bid items. This certifies that the prices in the proposal include all work as shown in the Plans and Specifications necessary to complete the work, in place and in full working order.

Signature of Bidder

Company Name Printed

Path: P:\153000\153637 - Antioch BPS Improvements\00-BIM\03-AutoCAD\07-Sheet\05_Electrical Filename: 153637-E-01-603.dwg Plot Date: April 1, 2020 - 4:25 PM CADD User: Fred Burke

