



November 9, 2018

ADDENDUM NO. 1 TO SPECIFICATION NO. 1338W
Perris II Desalination Facility

This addendum to the specifications is for the purpose of adding, clarifying, or deleting certain information to the construction drawings and project specifications as follows:

BIDDING SHEETS

REVISE the following Bid Items:

Bid Item	Qty	Unit	Description	Unit Price	Total Amount
1	1	LS	Mobilization and Approved: Bonds, Insurance, and Schedule of Values (see Section 01026) and Preliminary Project Schedule (PPS) (see section 01310)		
			Two Hundred Fifty Thousand Dollars		
			One Million Four Hundred Seventy Thousand Dollars		250,000
			(words)	\$ PRESET	\$ 1,470,000

4 1 LS **Site Work:**
Furnish and install all necessary materials and equipment for Site Work including site improvements and grading; all buildings and structure excavation, over-excavation, backfill and compaction; hauling; sheeting and shoring; ~~dewatering~~; security walls, fences and gates; paving, striping, sidewalks, curbs and gutters; landscaping and irrigation; gravel mulch site coverage; drainage improvements; storm water treatment system modular wetland Best Management Practices; site survey and staking; traffic control when required; approval and implementation of a SWPPP; dust abatement; permits; and all other appurtenant site and civil work as required; in accordance with the Contract Drawings and Specifications.

\$ Lump Sum \$ _____

(words)

6 1 LS **Forebay:**
Furnish and install all necessary materials and equipment for the construction of the Forebay including ~~sheeting and shoring~~; forebay foundation, walls, roof and overflow; ~~dewatering as anticipated~~ exposed and submerged influent piping, valving and appurtenances; access hatches; overflow vault; and other appurtenant work in accordance with the Contract Drawings and Specifications.

\$ Lump Sum \$ _____

(words)

8 1 LS **RO Process Building:**

Furnish and install all necessary materials and equipment for the construction of the Reverse Osmosis (RO) Process Building including all building architectural and structural improvements; all process mechanical improvements including the RO system (RO skids, RO feed pumps, RO clean-in-place, flush and neutralization systems), cartridge filters, chemical storage and feed systems, interior and exterior Chemical Sumps; and appurtenances; all building mechanical improvements including all **fire suppression sprinkler systems**, heating, ventilating and air conditioning systems, duct work, dampeners and appurtenances; research room laboratory furnishings; testing, start-up and commissioning; and other appurtenant work in accordance with the Contract Drawings and Specifications.

\$ Lump Sum \$ _____
(words)

9 1 LS **Chlorine Contact Tank and Clear Well:**

Furnish and install all necessary materials and equipment for the construction of the Chlorine Contact Tank and clear well including **sheeting and shoring**; facility foundation, walls and roof; chemical injection vault; access hatches; testing, start-up and commissioning; and other appurtenant work in accordance with the Contract Drawings and Specifications.

\$ Lump Sum \$ _____
(words)

- 20 1 LS **Trench and Excavation Dewatering:**
 Develop dewatering plan and install, operate, and maintain dewatering systems during construction of all facilities ~~for forebay and communication tower construction~~. Costs to include dewatering plan development; dewatering system including all wells, pumps, piping, valving, and related equipment; labor; and groundwater treatment and discharge.

_____ \$ Lump Sum \$ _____
 (words)

THE BIDDING SHEETS HAVE BEEN UPDATED AND ARE INCLUDED IN THE REVISED PROPOSAL PACKAGED MADE A PART OF THIS ADDENDUM. FAILURE TO SUBMIT THE REVISED PROPOSAL PACKAGE "MAY" DEEM YOUR BID NON-RESPONSIVE

SPECIAL CONDITIONS

REPLACE Special Condition SC-58 in its entirety with the following:

SC-58.Trench and Excavation Dewatering. The geotechnical investigations indicate that groundwater was encountered at depths affecting construction of proposed trench and buried structure excavations. Contractor shall prepare and submit a dewatering plan for review and approval. Contractor shall provide and install all required dewatering systems to convey dewatering discharges to adjacent District pond depicted on Sheet C-10-117. The Contractor may request from the District that the approximate groundwater level elevations be provided at the time of construction from existing onsite Well 85. All costs associated with trench and excavation dewatering shall be included in the respective bid item(s).

DELETE Special Condition SC-64 in its entirety.

REPLACE Special Condition SC-66 in its entirety with the following:

SC-66. Specialty Equipment/Services Responsibilities. Table SC-66 delineates Owner and Contractor responsibilities for specialty equipment and services. The Contractor shall coordinate the procurement, installation and provide other services as required for all equipment with the District. The Contractor shall provide advance notifications to District Electrical Staff to coordinate procurement of the equipment. Equipment installation dates to be included with the Project Control Schedule and per SC-40. For Owner furnished equipment, once procured, the Item will become the property of the Contractor. Unless otherwise specified, the Contractor shall safely store, protect, install, test, and integrate each item into the system wide operation of the facility. The Contractor shall also coordinate with the District so that District can schedule and perform owner provided services.

Table SC-66 CONTROL SYSTEM OFCI/OPS RESPONSIBILITY MATRIX							
Description	Mfr.	Part No.	Furnish By	Install By	Terminate By	Program By	Test By
RTU	Kingfisher		Owner	Contractor	Contractor	Owner	Owner
HMI Workstations			Owner	Contractor		Owner	Owner
P1D to P2D Switches	Cisco	Catalyst 3850	Owner	Contractor		Owner	Owner
HMI Displays	Schneider	OAsys	Owner	Owner		Owner	Owner
PLC Systems	Allen-Bradley	ControlLogix L8x	Contractor	Contractor	Contractor	Contractor	Contractor
PLC Network Switches	Allen-Bradley	Allen-Bradley Stratix 5700	Contractor	Contractor	Contractor	Contractor	Contractor
PLC OITs	Allen-Bradley	Panelview	Contractor	Contractor	Contractor	Contractor	Contractor
PLC/SCADA Network FO Cable	Per Specs.	Per Specs.	Contractor	Contractor	Contractor		Contractor
PLC/SCADA Network Copper Cable	Per Specs.	Per Specs.	Contractor	Contractor	Contractor		Contractor

EMWD DETAILED PROVISIONS

REPLACE Section 02200 Earthwork in its entirety.

MANDATORY PRE-BID WALK THROUGH

A mandatory pre-bid walk-through meeting was conducted on November 8, 2018 at 9:00 AM.

NOTE: Refer to EMWDs website to obtain the Pre-Bid Walk-Through Sign-In Sheet.

QUESTIONS & ANSWERS

Flatiron West, Inc.

- Q1. We are in request that the bid date for the Perris II Desalination Facility be moved back a minimum of two weeks (January 3, 2019) due to the upcoming holidays and other projects that are bidding in this same time period.
- A1. The bid date for the subject project is unable to change due to funding program constraints and deadlines.

Modern Custom Fabrication Inc.

- Q1. Section 13192 Data Sheet states the tank's roof (top) is "Flat". And dwg. D-56543 shows the roof as torispherical (dished).
- The torispherical roof will support the roof loading better, and meet sloshing calculation in a seismic event per API 650.
 - A flat roof will need to be supported via rafters and will not meet any sloshing requirements imposed during a seismic event.
- A1. Provide tank with torispherical (dished) roof. Please increase safety railing height at edge of tank to be 30" above maximum tank height.
- Q2. Section 13192 Data Sheet states the maximum total height is the same as the shell height. This cannot be with nozzles and PGR etc....
- A2. Maximum tank height to be revised from 11-feet to 14-feet not including nozzles. Nozzles can extend above the maximum tank height dimension.
- Q3. Section 13192 Data Sheet list a 2" drain nozzle which is not shown on dwg. D-56543
- A3. The drain nozzle is shown on D-56543 but the diameter is not indicated. The 2" drain nozzle with increase to 3" diameter at the increaser (nozzle shown at lower right side of tank).
- Q4. Dwg. D-56543 shows two 3" pump suction outlets and Section 13192 Data Sheet only calls for one 3" pump suction outlet.
- A4. One 3" tank outlet shown for pump suction which will be branched further downstream for two pump suction inlets (metering pumps and transfer pumps). Please provide one tank outlet for pump suction.

- Q5. Dwg. D-56543 shows a nozzle in the roof which is not sized and not listed on Section 13192 Data Sheet.
- A5. The unidentified nozzle shown on top of the tank roof to be disregarded/deleted.

Relevant Solutions

- Q1. In reviewing Section 11403 for the Perris II Desalter Project, 3M has the following question. In the specification, it leaves the connection sizes for the 3 main housings and the CIP housing up to the RO bidder. Is this something new? Normally all connection sizes, location of connections are call out in the specification. Then Relevant on behalf of 3M would quote the pre-qualified contractors. Please advise. If Eastern really means the connection sizes, etc. are the responsibility of the RO bidder. Then, I would think I must contact the RO manufactures and not the contractors?
- A1. The cartridge filter housings are included in the scope of supply for the ROSS. However, the connection size, inlet/outlet configuration and details for the housing to be provided to the ROSS from the cartridge filter housing manufacturer.

Weir Flow Control

Q1. Section 11140 – Vertical Diffusion Vane Pumps

- 1-5 Spare Parts – The quantity of spare parts is not defined. Do you want 1 set per pump service (4 sets total), or 1 set per each pump (11 sets total)?
 - 1-5 Spare Parts – Lists Mechanical Seals, but spec 2.4.09 only details a high pressure stuffing box. If stuffing box is desired sealing method, change the spare parts call out from “Mechanical Seal” to “Packing Rings”.
 - No VTP OEM’s are listed. You will likely end up with some undesired manufacturers bidding the project. If you decide to list OEM’s please include “Floway Pumps”. Floway provided significant design assistance to B&V on this project which can be validated if desired.
- A1. 1-5 Spare Parts: Provide one set per pump size (i.e. one set of spare for the brine pumps, one set of spare for the transfer pumps, one set of spare for the finished water small pumps and one set for the finished water large pumps).

1-5 Spare Parts Mechanical Seals: Stuffing box with packing rings is the desired sealing method. Standard amount of packing supplied with the pump is adequate

OEM’s: Specification is adequate as written. OEM’s do not need to be identified.

Q2. Section 11005 – General Mechanical & Equipment Provisions




- 2.13 makes multiple references to Section 09871 “Coating System for Water Pumping Plants”, but this section is not included as part of the spec. Will this section be added or should the reference be changed to section 09900?


A2. All references to Section 09871 “Coating System for Water Pumping Plants” to be revised to reference Section 09900 “Protective Coatings”.

ACO, Inc.

Q1. Plan sheet P-00-601 is calling out extra heavy duty trench drain however it is calling out ACO model K-200 series trench drain
ACO model K-200 series is rated to Load Class E
ACO model S200K series is our extra heavy duty trench drain rated to Load Class F
Do you want K-200 Load Class E trench drain or S200K Load Class F trench drain?

A1. Please provide Load Class F trench drains.

PE: 
PM: 
DFE: BAM
DE: 

Eastern Municipal Water District

Paul D. Jones II, P.E.
General Manager

PDJ:CW:jrm:jl

ATTACHMENTS: Proposal Package
Section 02200 - Earthwork