



December 5, 2018

ADDENDUM NO. 3 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

ADD the following bid item:

<u>Bid</u>		<u>Description</u>	<u>Unit</u>	<u>Total</u>
<u>Item</u>	<u>Qty</u>	<u>(Unit Price Written in Words)</u>	<u>(Figures)</u>	<u>Amount</u>
21	200	CY <u>Trench Over Excavation and Stabilization:</u> Furnish all labor, equipment, materials, and services for trench over-excavation in excess of 6 inches below bottom of pipe zone and placement of compacted, imported aggregate bedding to a level of 6 inches below bottom of pipe zone. This Bid Item will be awarded at the option of District through an appropriate change order depending on actual field conditions.		
_____			\$ _____	\$ _____
(words)			Per CY	

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

SC-31. Existing Underground Utilities and Potholing for Existing Utilities.

REVISE SC-31 as follows:

Unless otherwise indicated on the plans or directly by the utility owner, all utilities shall be protected in place and service maintained as described in Section 02200 Part 3-2.01 of the Specifications. Utilities crossing the proposed pipeline alignments are plotted on the plan view of the plans. The utilities were plotted based on information provided from the respective utility owners. The accuracy of plotted utilities is not guaranteed as indicated in Section F-25 of the General Conditions.

Existing utilities have been identified and located on the plans based on the best information available. The Contractor is responsible for performing exploratory excavations (potholing) within and around the limits of the project site to confirm location of existing utilities and to establish connection requirements to existing pipelines. **All Contractors under contract with EMWD are hereby granted permission to use vacuum excavation on EMWD facilities. Vacuum excavations may not be used on any other facilities unless written permission is obtained from the owner of the facility in accordance with State Law 4216.**

The Contractor shall field survey the elevation and location of utilities, including tie-in points, and provide the information to the District's inspector a minimum of 15 working days ahead of construction to permit design revisions should a conflict arise. All associated costs with potholing shall be included in the unit bid price per lineal foot of pipe stated in the Schedule of Values and no additional compensation will be allowed.

Where potholing investigations of subsurface utilities have been made by the District in respect to the utility location, and that information is shown in the plans, said information represents only the statement by the District as to the approximate location of the utility encountered by it in its investigation, and is only included for the convenience of bidders. Investigations of subsurface utilities are made for the purpose of design, and the District assumes no responsibility whatever in respect to the sufficiency or accuracy of the utility locations and information obtained in the preliminary potholing investigations, or of the interpretation thereof, and there is no guaranty either expressed or implied, that the locations and conditions indicated are representative of those existing throughout the work, or any part of it, or that unlooked for developments may not occur. Making such information available to bidders is not be construed in any way as waiver of the provisions of the first part of this article and bidders must satisfy themselves through their own investigations as to utility locations and conditions to be encountered.

The preliminary pothole investigations prepared by the District are included in Appendix C.

In some locations, the material type of existing pipelines are noted on the Construction Drawings. Said information, where shown, is based on information shown on available Construction Drawings. Said information is not guaranteed to be accurate.

At least 15 working days prior to any construction, the potholing sub-Contractor shall excavate, expose, and determine ("pothole") the exact location and depth of each and every utility crossing or in the vicinity of the proposed facilities. All facilities shown specifically on the Construction Drawings, or which have been marked by their respective owners shall be potholed. All potholing shall be completed and the results furnished to the District at least 15 working days prior to any construction including sawcutting or grinding pavement. Contractor shall adjust locations of proposed pipelines as necessary, ~~all at no cost to the District,~~ to avoid all utilities as shown on the Construction Drawings, or as located in the field during Contractor's potholing operation.

Changes or delays caused by Contractor's failure to perform "potholing" shall not be eligible for extra work compensation or time extension.

Upon learning of the existence or location of any utility facility omitted from or shown incorrectly on Construction Drawings, or improperly marked or otherwise indicated, Contractor shall immediately notify the District, providing full details as to depth (elevation), location, size and function.

Contractor shall not interrupt or disturb any utility facility without authority from the utility company or order from District.

Where protection is required to ensure integrity of utility facilities located as shown on the Construction Drawings or visible to Contractor or marked or otherwise indicated as stated herein, Contractor shall, unless otherwise provided, furnish and place all necessary protection at no additional cost to the District.

Contractor will construct the proposed pipelines adjacent to existing utilities. District has no information about compaction of trench backfill for said utilities. If said trench backfill fails during construction of the proposed waterline, Contractor shall remove and replace said backfill, compact as specified herein, and remove and replace any asphalt concrete pavement as required, all at no additional cost to the District.

Contractor shall have a sufficient supply of repair or replacement materials on the job site to repair or replace damaged or destroyed facilities including, but not limited to, water main and water services. Repairs shall be made with like materials and said repairs shall be approved by the District and owners of damaged utilities prior to backfill. All cost associated with potholing, protecting in place, relocating, and/or repair of existing utilities shall be included in the bid prices and no additional compensation will be allowed.

SC-65. Maxim Security Systems Coordination.

ADD the following:

The Contractor shall issue a purchase order to the security system provider within 60 days from the Notice to Proceed, and shall hold a coordination meeting with security system provider and District staff a minimum of 45 days prior to any security system equipment installation.

SC-67. Stainless Steel Treatment.

ADD SC-67 as follows:

All pipe and valve components designated as stainless steel shall be pickled, passivated and electropolished in accordance with ASTM A380.

Materials are to be passivated after fabrication in accordance with ASTM A380 with a final cleaning per Table A2.1, Part II and in accordance with ASTM A967. Methods B, C, or F described in ASTM A967 as appropriate are accepted. The finish shall be removed of any free iron, heat tint oxides, weld scales, and other impurities, and obtain a passive finished surface. When electropolishing is used for passivation one must ensure all surfaces are covered. Proper preparation and cleaning shall be conducted in accordance to ASTM A380. Electropolish stainless steel components after fabrication must be in accordance with ASTM B912. Remove 5 μm ($\pm 1 \mu\text{m}$) from the surface. Provide post dip in a room temperature 10 to 30 percent nitric acid solution followed by a final rinse.

When Pickling is conducted a modest etch shall be produced and shall remove all embedded iron and heat tint. After fabrication, pickled surfaces shall be subjected to a 24 hour water test or a ferroxyl test to detect the presence of residual embedded iron. All pickled surfaces damaged during fabrication including welded areas shall either be mechanically cleaned or repickled or passivated in accordance with ASTM A380. Materials that have been contaminated with steel alloys or free iron shall not be used until all contamination is removed. When cleaning to remove steel or iron contamination is required, it shall be performed in accordance with ASTM A380, Code D requirements. All stainless steel surfaces shall be adequately protected during fabrication, shipping, handling, storage, and installation to prevent contamination from iron or carbon steel objects or surfaces. Particulate matter shall be removed and valves shall be label to indicate shop cleaning has been performed.

SECTION P – CONTRACT DRAWINGS

REPLACE the following Contract Drawings in their entirety:

P-03. Construction Drawings.

<u>Sheet No.</u>	<u>Drawing No.</u>	<u>Drawing Title</u>
29	C-10-117	ENLARGED YARD PIPING PLAN 8
38	C-10-401	PIPELINE PROFILES 1
39	C-10-402	PIPELINE PROFILES 2
41	C-10-404	PIPELINE PROFILES 4
42	C-10-405	PIPELINE PROFILES 5
43	C-10-406	PIPELINE PROFILES 6
57	C-10-502	CIVIL DETAILS 2
63	C-10-508	CIVIL DETAILS 8
125	S-00-001	STRUCTURAL NOTES
179	M-20-103	FOREBAY AND RO TRANSFER PUMP STATION - INFLUENT PIPING PLANS
182	M-20-303	FOREBAY AND RO TRANSFER PUMP STATION - SECTIONS 3
194	M-20-109	DECARBONATOR AREA - DECARBONATOR TANK PLAN
204	M-30-309	DECARBONATOR AREA - DECARBONATOR TANK SECTIONS 3
207	M-30-901	PROCESS MECHANICAL PERSPECTIVES
318	E-30-103	RO PROCESS BUILDING - POWER PLAN - AREA 2
341	I-00-004	RAW WATER
344	I-00-007	RO CARTRIDGE FILTERS
350	I-00-013	DECARBONATOR SYSTEM
355	I-00-018	RO CLEAN IN PLACE SYSTEM SHEET 2 OF 2

EMWD DETAILED PROVISIONS

Section 01630 Pipeline Schedule

REPLACE Section 01630 in its entirety with documentation included herein.

Section 08950 Translucent Wall Panel Systems

REPLACE Section 08950 in its entirety with documentation included herein.

Section 11401 Forced Draft Decarbonator

REPLACE Section 1-5.02, second paragraph with following:

Notify the District two weeks prior to equipment functional and performance tests. All tests are subject to “factory witness tests” attended by a District representative. At the time of testing, factory and assembly inspection may also be performed.

Section 13190 Reinforced Fiberglass Plastic Chemical Storage Tanks

ADD Section 1-5 Factory Witness testing:

1-5 Factory Witness Testing

Notify the District two weeks prior to functional and performance hydrostatic testing. All tests are subject to “factory witness tests” attended by a District representative. At the time of testing, factory and assembly inspection may also be performed.

Section 13191 Polyethylene Chemical Storage Tanks

ADD Section 1-5 Factory Witness testing:

1-5 Factory Witness Testing

Notify the District two weeks prior to functional and performance hydrostatic testing. All tests are subject to “factory witness tests” attended by a District representative. At the time of testing, factory and assembly inspection may also be performed.

Section 13192 Steel Chemical Storage Tanks

ADD Section 1-6 Factory Witness testing:

1-6 Factory Witness Testing

Notify the District two weeks prior to functional and performance hydrostatic testing. All tests are subject to “factory witness tests” attended by a District representative. At the time of testing, factory and assembly inspection may also be performed.

Section 15061 Steel Pipe

ADD Section 1-7 Third Party Inspection of Manufacturer’s Facilities:

Section 1-7 Factory Witness Testing

Notify the District two weeks prior to all performance and quality assurance tests. All tests are subject to “factory witness tests” attended by a District representative. In addition, the manufacturer’s facilities, including U. S. and foreign pipe and fitting facilities, are subject to inspection by a District representative.

Section 15063 Stainless Steel Pipe

ADD Section 1-4 Third Party Inspection of Manufacturer’s Facilities:

Section 1-4 Factory Witness Testing

Notify the District two weeks prior to all performance and quality assurance tests. All tests are subject to “factory witness tests” attended by a District representative. In addition, the manufacturer’s facilities, including U. S. and foreign pipe and fitting facilities, are subject to inspection by a District representative.

Section 15092 Industrial Butterfly Valves

REPLACE Section 15092 in its entirety with documentation included herein.

Section 15093 Check Valves

REPLACE Section 15093 in its entirety with documentation included herein.

Section 15102S Resilient Seated Gate Valve Schedule

REPLACE Section 15102S in its entirety with documentation included herein.

Section 15103S Butterfly Valve Schedule

REPLACE Section 15103S in its entirety with documentation included herein.

APPENDICES

Appendix B Geotechnical Investigation Report (For Reference Only)

ADD documentation, included herein.

Appendix D Electrical Service Plan (SCE)

ADD documentation, included herein.

Appendix F Manufacturers Certification of Proper Installation

ADD documentation, included herein.

Appendix H Control Room Furniture Proposal by Evans Console

ADD documentation, included herein.

Appendix I Pre-Negotiated Security Equipment Proposal by Maxim Security

REPLACE with updated documentation, included herein.

Appendix J Standby Generator Sizing Information

ADD Appendix J, included herein.

Appendix K EMWD Local Limits

ADD Appendix K, included herein.

Appendix L Ordinance 59.6 - Regulations for Waste Discharge and Sewer Use

ADD Appendix L, included herein.

QUESTIONS & ANSWERS

W.M. Lyles Co.

- Q1. There is no proposal provided in Appendix H – Control Room Furniture Proposal. Please provide.
- A1. See added Appendix H documentation, included herein in Addendum 3.
- Q2. The proposal provided in “Appendix I – Pre-Negotiated Security Equipment Proposal by Maxim Security,” expired on May 31, 2018. Please provide a new proposal that is valid until at least the expected NTP date of the project.
- A2. See updated Appendix I documentation, included herein in Addendum 3.

Southern Contracting Co.

- Q1. Nema rating for Switchboards, MCC’s, Panelboard, VFD’s, Disc. Switches, Local Control Panels, Etc.
Specification Section 00064, (General Conditions), F-02.B, (Specification Precedence) list plans ahead of specifications in precedence.
Section 16010. 1.11. B (indoor locations) calls for switchboards, mcc, vfd, panels to be Nema 1A (gasketed).
Section 16480 and the associated subsections for Switchboards, Mcc’s etc. call for either Nema 1 or Nema 1A, (Gasketed).
Sht. E-00-002, (area designations) calls for Area 12 designations, such as Electric rooms and offices to be Nema 12 (Gasketed).
Because the Plans take precedence over the Specifications..... It looks like the electric rooms, control rooms, offices, break rooms, etc are classified as area type 12, and will require the equipment to be nema 12 gasketed.
- A1. Switchboards to be NEMA 12 rated per specification 00064 for sheet E-00-002 to take precedence over 16010 and 16480.
- Q2. Spec. Section 13025, (Low Pressure Reverse Osmosis System) 1-1.02 third paragraph calls for the RO Units to be delivered fully assembled.
Said paragraph also states that the contractor shall not install any individual components of the RO Unit. If any other installation needs to be done at the site, it is the responsibility of the ROSS.
Sht. I-00-010, (RO Unit 1 Detail 2 RO Vessels) shows the various I & C field devices, valves, etc. as being provided by RO System Supplier.

Sht. E-30-105, (RO Process Building) shows the various I & C field Devices, valves, Disconnect Switches, etc. within the footprint of the RO Unit.

Sht. E-00-711, (PP-1 RO Bldg. 1-Line) shows a series of valves and disconnect switches as well as associated conduit and wire that would appear to be inside the RO Unit and be the responsibility of the electrical contractor. This conflicts with the Paragraph in 13025.

Is it your intent for the electrical contractor to provide and install conduit, wire, and disconnect switches internal to the RO Unit or will this be done by the RO System supplier?

- A2. Electrical contractor to supply cable, conduit, and disconnect switches as required up to the RO equipment, and RO system supplier shall make final connections and terminations to the individual RO system components.
- Q3. Sht. E-00-301, 302, (Duct Bank Sections) shows some duct banks containing SCE conduits mixed in with other non SCE conduits. SCE usually does not allow this. Has a variance been issued for this project, or will this be revised via Addendum as called out in Appendix D?
- A3. SCE duct banks will be separate from EMWD duct banks. Duct bank sections and routing will be revised to run parallel with the SCE duct banks and will be issued as a design Addendum during construction. Contractor to reference additional documentation (Preliminary Electrical Service Plan) provided as Appendix D, included herein in Addendum 3, for its basis of bid. The Final Electrical Service Plan will be provided to Contractor during construction.
- Q4. Sht. I-00-506 calls out the following RIO Panels (310, 320, 330, 340, 350, 360, 390). This page does not define who supplies these RIO Panels. Sht. I-00-012 calls out RIO-310, 320, 330 as being supplied by RO System Supplier. Sht. I-00-017 does not define who supplies RIO Panel 340, but Sht. I-00-019 says it will be supplied by RO System System Supplier. Sht. I-00-013 does not define who supplies RIO Panel 360. RIO Panel 350 and 390 are also not defined as to who supplies.
- A4. RIO 310, 320, 330 and 340 are supplied by ROSS. RIO 350, 360 and 390 are supplied by Contractor.

Southwest Valve & Equipment

Q1. I think you need to address the specification for the high performance butterfly valves that will come in contact with the brine. As disused, Southwest Valve supplied many DHC Valve high performance butterfly valves on the Perris / Menifee Desalter Pipeline Replacements project. These were supplied with Duplex stainless steel bodies, shafts and discs due to the 316 stainless steel of the existing high performance butterfly valves corroding and not being able to seat over time.

I have attached our original submittal information along with the specification from the project. EMWD approved the DHC valves on the Perris / Menifee Desalter Pipeline Replacements project and has had no issues since installation. If you have any questions please feel free to contact me.

A1. Valve materials were originally selected based projected water quality and system operations. Based on piping arrangements for this project and the associated challenges with draining individual concentrate pipelines, the Industrial Butterfly Valve and Check Valve specification sections have been revised to utilize Duplex Stainless Steel. Refer to revised Sections 15092 and 15093, included herein with Addendum 3.

TSI Controls

Q1. We are looking for clarification of Specification Section 13500 1-2.04 Supplier Qualifications. Is the intent of this section that the listed suppliers be used for PLC programming, HMI programming, and security only, but the System Supplier can be a separate entity meeting the requirements shown at the end of this section on the bottom of page 13500-3?

To further clarify, can anyone meeting those requirements supply panels, hardware and instrumentation per the specifications on this project?

A1. Yes. Contractor shall sub-contract with pre-approved PLC Programmer(s). HMI programming for SCADA OASyS will be contracted by Owner with Schneider Electric. Contractor shall sub-contract with pre-approved/negotiated Security System vendor (Maxim). Contractor may select different entity (System Supplier) for other I&C requirements.

Yes. Contractor may select qualified entity (System Supplier) for panels, hardware, instrumentation, and other I&C requirements for the project.

Ferguson Waterworks

Q1. Dwg C-10-508, Detail D, Blow-off Assembly: What size is the riser pipe? (6" or 8")

A1. Riser pipe to be 8" diameter.

Biwater Inc.

Q1. Section 11115 calls out the RO Feed Pump as Horizontal End Suction, yet the LPRO spec 13025, 2-5 calls out Horizontal Split Case. There are no specs for Horizontal Split Case pumps. Which is it?

A1. Pumps to be Horizontal End Suction pumps, as specified in Section 11115.

Q2. The RO Feed Pump and 2nd Stage Booster Pump count in Section 11115 is 2, they should be 3, correct?

A2. Yes, the count for pumps is 3, 1 set per RO skid.

Q3. Will Fedco and/or ERI be approved for the 2nd Stage Booster Pumps?

A3. Yes, Fedco and/or ERI will be considered, assuming the pumps meet all requirements of the specification(s).

Q4. 13025 2-9.02 Request that PVC SCH 80 be acceptable for the CIP and Neutralization system main piping which is typical for RO CIP applications. CPVC is significantly more expensive.

A4. Provide CPVC as specified. CPVC is required based on higher temperature tolerances and resistance to brittleness over time.

Q5. 13025 2-9.02 Request that the RO Flushing line alternative can be PVC SCH 80 in lieu of 316SS. PVC SCH 80 seems to be suitable for the application and typically used.

A5. Provide 316SS pipe material as specified.

Q6. 13025 Membrane element Warranty: The materials and workmanship portion is under the 5-year pro-rated portion; and that isn't a possibility for membrane warranties. Materials and workmanship warranty fall under the first year full portion. After that, the pro-rated portion covers performance of the element through the duration of the warranty. This is the industry standard, so we kindly ask for revision to move M+W to first year only.

- A6. Contractor to submit the membrane element manufacturer warranty with their equipment submittal(s). The Engineer will review and determine if it meets the intent and conformance with the specifications.
- Q7. RO membrane manufacturers do not warrant against irreversible fouling. As such the section about “Decrease in productivity” in the RO membrane warranty appears to not be warrantable (even we see the section in the warranty about not covering flow loss to sparingly soluble substances etc.). We have no control over the customer’s operation and feedwater quality, which is what causes flow loss at BWRO plants. Compaction on low energy brackish membranes is inexistent; so there is no membrane quality component to flow loss. It is the operator’s responsibility to keep the elements in a clean condition. If they do so, their flow will be maintained, but we don’t see this as a RO membrane warranty requirement.
- A7. The Decrease in Productivity requirement is based on Standard Test Conditions and is meant to ensure the flow decrease is not due to issues with materials and workmanship. The warranty is conditional on the items listed including that the membranes have not been irreversibly fouled due to scaling of soluble salts. Contractor to submit the membrane element manufacturer warranty with their equipment submittal(s). The Engineer will review and determine if it meets the intent and conformance with the specifications.
- Q8. Same comment about DP. DP changes are 100% caused by feedwater and operations and has nothing to do with membrane quality. As such, it cannot be warranted by the membrane supplier.
- A8. The DP requirement is across a new or clean element and is meant to ensure quality material and workmanship. Contractor to submit the membrane element manufacturer warranty with their equipment submittal(s). The Engineer will review and determine if it meets the intent and conformance with the specifications.
- Q9. There is a “rejection warranty” that states no more than 2x the value mentioned elsewhere. This is a duplicate of what we believe is the real permeate water quality requirement, which is listed in Table 4. We recommend removing the 2x wording, and basing the warranty requirement on Table 4, to be adjusted accordingly, as they mention in the spec.
- A9. The “rejection warranty” is based on not exceeding two times the max salt passage based on the membrane specification under standard condition. The purpose to warranty against materials and workmanship. The “real permeate water quality requirement” is based on operation at design flux ,maximum recovery condition, max temperature and max feed water concentrations. Contractor to submit the membrane element manufacturer warranty

with their equipment submittal(s). The Engineer will review and determine if it meets the intent and conformance with the specifications.

Q10. Table 4 lists a conductivity warranty value and a TDS warranty value. Membrane suppliers cannot accept conductivity values, as they are inherently less accurate than total TDS values. Please revise to remove the conductivity requirement, as we believe it to be redundant and less accurate.

A10. If the permeate conductivity (easily to monitor continuously for quick verification) is higher than the specified value, the TDS will be measured. The TDS, Total Hardness, and Chloride will be used to determine the compliance with the warranty.

PCL Construction Inc.

Q1. The question period ending November 20th seems too short to ascertain all possible technical and other discrepancies are discovered. Please consider extending it to 14 days prior to the bid date.

A1. The question period, which ended November 20, 2018 stands as published, and a time extension will not be provided.

Q2. Please reference drawing S-30-107. The series of pipe supports on the North side of gridline A seems to be erroneously marked BP1. Please confirm these supports are to be BP2 (Pipe Support Frame 2) depicted on the drawing S-30-501.

A2. Pipe Support Frame 2 is the correct support for these pipes. The 'BP1' mark on Dwg S-30-107 refers to the size of the column base plate, not the type of support. Section 3 on Dwg S-30-501 notes the base plate for the W10x22 columns as Type 2, Size 'BP2' which differs from the 'BP1' mark. Fabricate the column base plates matching the callouts on Section 3, Dwg S-30-501 with Type 2, Size BP2 base plates as shown on Dwg S-00-511.

Q3. The arrangements for pressure instruments shown on Details B/I-00-501 and D/I-00-501 serve a similar purpose, although while Detail calls for ½" components (nipples and fittings), the Detail B calls for 1" components. Wouldn't be ½" size sufficient for Detail B components?

A3. Yes. 1/2" is acceptable and sufficient.

Q4. The VBF-1107 is located at the 3.5' height above floor (Section 1/M-30-305) but is specified to have a chain wheel operator (Section 15092.3.2 Vale Schedule). Is the chain wheel necessary for this application?

- A4. Agree, a chain wheel is not required for this application. Chain wheels; however, are required for all valves with a centerline more than 6'0" above the finished floor elevation.
- Q5. Drawing I-00-018 shows seven small items (pressure instruments, sample connection, air valve) installed on the influent and effluent side of CIP Cartridge Filter FLC-1620, depicted within boundaries of "Provided by RO System Supplier (ROSS)" area. These items are not shown on the mechanical drawings, their location and attachment method is not clear.
- Shall each small connection to 10" CPVC pipe be done by applying a service saddle?
 - Will all small isolating ball valves be provided by ROSS?
- A5. All items located in the dashed box are to be provided by the ROSS, however location and installation will be by the contractor. Boundary on P&IDs provided to help define line of demarcation between General Contractor and ROSS equipment responsibilities. General Contractor and ROSS can further negotiate amongst themselves if it is preferred that all small valving be Contractor supplied. Note that drawings I-00-004 and I-00-018 have been revised and are included herein with Addendum 3. I-00-004 revised to include RO Feed cartridge filters with ROSS scope.
- Q6. Check Valve VCK-1625 is listed in the Check Valve Schedule 15093.3.2 as VC-20. The valve VC-20, per 15093.2-1.20, has Class 300 flanged ends. The valve VCK-1625 is installed the CPVC pipe system where other valves (e.g. VBF-1624) have Class 125 drilling connection. Is Class 300 flanges drilling indeed required for VCL-1625?
- A6. Class 300 flanges are not required. Please refer to revised check valve schedule in Section 15093, included herein with Addendum 3. Note that valve materials for valves in contact with RO Concentrate have been revised and is included herein with Addendum 3.
- Q7. P&ID drawing # I-00-004 and mechanical drawing # M-20-103 are showing mechanical operated globe valve VGL-0057 while spec section 15096 GLOBE VALVES doesn't have it in the valve schedule. Please, provide more information if this valve is needed.
- A7. Valve intended to be V-Port Ball Valve. Information pertaining to "VGL-0057" can be found in spec section 15104 V-PORT BALL VALVES as Valve VVP-0057. Associated drawing revisions identifying the valve tag are included herein with Addendum 3.
- Q8. Drawing M-20-103 is showing a 30" FRP pipe feeding from Perris (Northern) Wells while drawing M-20-303 section 4 is showing no transition from 30" PVC to 30" FRP. Is a restrained flange coupling adapter required for the transition?
- A8. Contractor to provide restrained flanged coupling adapter for all transitions, typical.

Q9. Drawing M-20-301 is showing the butterfly valve "VBF-1057" as 6" while the butterfly valve schedule in the specs page 15092-8 is calling for 12" valve. Please, provide clarification on which valve size to proceed with.

A9. VBF-1057 to be 6".

Q10. Drawing M-30-309, section 2 is showing the AVR-2045 as 3" air valve while on specs 15108-5, the air valve schedule is showing the same air valve as 2". Please, confirm which size is correct?

A10. AVR-2045 to be 2". Revised mechanical drawings are included herein with Addendum 3.

Q11. Drawing M-30-309, section 1 is showing the AVR-2044 as 3" air valve while on specs 15108-5, the air valve schedule is showing the same air valve as 2". Please, confirm which size is correct?

A11. AVR-2045 to be 2". Revised mechanical drawings are included herein with Addendum 3.

Q12. Drawing M-20-103, section 1 is showing the AVR-0056 as 4" air valve while on specs 15108-4, the air valve schedule is showing the same air valve as 6". Please, confirm which size is correct?

A12. AVR-0056 to be 4".

Q13. Spec section 01630-4 is calling for the exposed 10"-OF-PVC material as SDR35. However, drawing M-30-310 is showing this pipe as flanged connected to the tank. SDR35 is not the applicable use for this application. Is there another material recommendation to satisfy the drawing details?

A13. Exposed Overflow piping to be CPVC. Please refer to revised Pipeline Schedule Section 01630 included herein with Addendum 3.

Q14. Spec section 15092-10 didn't specify the type of valve for VBF-2049. Can you please provide the missing information?

A14. VBF-2049 to be VBF-5.

Q15. Does the external project funding provided by Proposition 1 – the Water Quality Supply, and Infrastructure Improvement Act of 2014 through an agreement with the State Water Resources Control Board involve any type of SBE/DBE requirements?

A15. No, the external project funding agreement for the subject project does not involve SBE/DBE requirements.

Q16. On the list of designated subcontractors will the city and state be sufficient for subcontractors address?

A16. No, bidder shall provide full business address of each Subcontractor.

Q17. Please confirm that the bidders and listed subcontractors extracts from the DIR need to be submitted at the time of bid.

A17. Yes, extracts from the DIR for Contractor and listed subcontractor need to be submitted with the bid proposal.

Q18. Article SC-08 states that the builder's risk policy for this project will be furnished by Owner. Would the Owner furnish a copy of the policy for Contractor and their insurers to review?

A18. A "draft" copy of the Builders Risk Policy was included in Appendix G of the Specification for the Contractor's information and review. The responsive and responsible Contractor with the lowest bid will be given a copy of the policy after the bid which will include the Contractors name and project cost.

Q19. With respect to Owner furnished builder's risk policy please confirm coverage is for 100% replacement value of the project.

A19. Yes, 100% replacement value of project as bid plus a variation of 8% escalation clause for change orders.

Q20. With respect to Owner furnished builder's risk policy please confirm that policy will be updated/extended at Owner's cost for all approved change orders involving time and money.

A20. The District will cover the costs of the builders risk policy for time extensions that are no fault of the Contractor.

Q21. With respect to Owner furnished builder's risk policy please confirm that policy will include coverage for flood and earthquake and the associated sub-limits.

A21. Earthquake – sub limit of \$10,000,000; Flood – sub limit \$10,000,000.

Q22. Article F-23.B.5 states that in the event of termination based on best interests of the District Contractor will be reimbursed for stated costs "plus four percent (4%) of all such costs for overhead and profit." Would the Owner consider amending this percentage to equal Contractor's bid fee?

A22. No.

- Q23. Please confirm that the two year extended warranty requirement contemplated in SC-28 can be satisfied with a standard manufacturer's warranty furnished by the supplier of such equipment.
- A23. A two (2) year maintenance bond is required for all pumping equipment. A standard manufacturer's warranty of two (2) years is acceptable for all other noted equipment.
- Q24. Article F-42 does not disclose what that payment terms are for this project. Please confirm that the Owner will make monthly progress payments within 30 days of Contractor furnished invoice based on approved schedule of values.
- A24. Refer to F-37 for additional information required for preparation of monthly periodic estimates and F-40 which states "not later than fifteen (15) calendar days following receipt from the Contractor of a duly certified and approved periodic estimate of the work performed prior to the twentieth (20th) day of the preceding calendar month, the District will make a partial payment to the Contractor on the basis of that estimate."

Kiewit

- Q1. On drawing C-10-410, general note 6 "Wall along western property line to be 6' tall" conflicts with the profile view of the view on C-10-411, which depicts the wall to be 9.5' tall. Please clarify.
- A1. Wall to be constructed at 6' above finished grade. Profile reflects wall design for 8' above finished grade plus 1.5' cover over footing as District intends to raise the wall from 6' to 8' in the future.
- Q2. On drawing C-30-202, on the South Elevation view, a panel is called out with keynote 12 "Roof access ladder with parapet crossover and guard railing" between columns 2 and 3. Please confirm this is window system D as shown on A-30-501.
- A2. Yes, Key Note 12 between Columns 2 and 3 as shown on Sheet A-30-202 South Elevation Window system D to be changed to key note 13.
- Q3. Please provide the Evans Console proposal referenced in Bid Item 18 of addendum 1. Appendix H currently does not include this proposal.
- A3. See added Appendix H documentation, included herein.

- Q4. The specification general provisions, under section E, state the Contractor shall reimburse EMWD \$1,000 per inspection day for materials, fabricated products, or equipment manufactured more than 100 miles from EMWD's office. Please identify which materials, equipment, and fabricated products EMWD will be conducting source inspection at the manufacturing facility.
- A4. The following materials, equipment, systems, and/or (manufacturer's) processes will be subject to Section 00062 General Conditions, Paragraph E-01.E:
- Forced Draft Decarbonator (Section 11401)
 - Reinforced Fiberglass Plastic Chemical Storage Tanks (Section 13190)
 - Polyethylene Chemical Storage Tanks (Section 13191)
 - Steel Chemical Storage Tanks (Section 13192)
 - Steel Pipe (Section 15061)
 - Stainless Steel Piping (Section 15063)
- Q5. Section 00110-10 Section 03300 CAST IN PLACE CONCRETE, Paragraph C, states the following: PART 1 – 1.04, A. Mix Designs, 1. Strength Requirements, Replace paragraph g) in its entirety with the following, “g) Class “D”, f'c 4,500 psi Concrete . Class “D” concrete shall be provided for all cast-in-place, liquid containing, concrete structures in accordance with ACI 350-06 Code Requirements for Environmental Engineering Concrete Structures and Commentary.” Contract drawings sheet S-00-001, Note 2 under CAST IN PLACE CONCRETE says the following: “Concrete class “AAA” shall be used for all liquid containing structures and all below grade concrete” The specs and drawings call out two different types of concrete for water bearing structures. Which is the correct type of concrete to be used for water bearing structures?
- A5. The Geotechnical Report indicates that site soils have a high potential for sulfate attack, falling into the 'S2 – Severe' category. Concrete for liquid bearing structures falls under the guidelines of ACI 350-06 whereby Table 4.3.1 indicates the minimum 28-day compressive strength of concrete in contact with such soils shall be 5,000 psi with a maximum water cement ratio of 0.40 using Type V cement. This is the intent of Note 2 under CAST IN PLACE CONCRETE on Dwg S-00-001 for Class 'AAA' concrete for work below grade. The requirements for liquid bearing structures not in contact with corrosive soils, such as the roof slab and beams, shall have a minimum compressive strength of 4,500 psi with a maximum water cement ratio of 0.42 and Type I/II cement which is equivalent to the current Class 'D' concrete specified in the supplemental conditions section. Building foundations in contact with site soils falls under the guidelines of ACI 318 which requires a 28-day compressive strength of 4,500 psi concrete with a maximum water cement ratio of 0.45 using Type V cement. Building slabs on grade and work above grade may still utilize Class 'AA' concrete per Section 03300.

The 03300 parent specification indicates Class 'D' shall be used for concrete with the strength and use to be specified by the Engineer. Type V Portland cement has already been included in the Supplemental Special Conditions. In order to avoid the cost of separate trial batch mixture testing for multiple concrete mixture designs the contractor shall use the most stringent criteria above for all parts of the liquid bearing structures and building foundation elements. To be compliant with the parent specification, ACI 318 and ACI 350 requirements, please adhere to the following:

- 1) Replace "Concrete Class 'AAA'" with "Concrete Class 'D'" in Note 2 under CAST IN PLACE CONCRETE on drawing S-00-001.
- 2) Modify Section 00110 Supplemental Special Conditions, SSC 10, Article C, PART 1 – 1.04, A. Mix Designs, 1. Strength Requirements to read as follows: Replace paragraph g) in its entirety with the following, "g) Class "D", f'c 5,000 psi Concrete. Class 'D' concrete shall be used for all cast-in-place, liquid containing concrete structures and building foundations below grade.
- 3) Modify Section 00110 Supplemental Special Conditions, SSC-10, Article D, by changing the water cement ratio for Class "D" concrete from 0.42 to 0.40
- 4) Modify Section 00110 Supplemental Special Conditions, SSC-10, Article N, as follows:
 - a. Under bullet point d., replace "S1 (Moderate Sulfate)" with "S2 (Severe Sulfate)"
 - b. Under bullet point e., replace "0.42" with "0.40"
 - c. Under bullet point f., replace "4,500 psi" with "5,000 psi"
 - d. Under bullet point g., replace "5,700 psi" with "6,200 psi"

Q6. Special condition 21 states, where the bottom of the trench is found to be unstable, soft, or spongy, such material shall be removed to a depth as determined by the District and replaced with suitable material, all costs associated with this Work shall be included in the bid price and no additional compensation will be made. This project involves excavating below the ground water table and unsuitable soils may be present. It's impossible for the Contractor to estimate the quantity and potential depth of unsuitable soil. Please provide direction on quantities the Contractor shall assume for unsuitable soil for bidding purposes, OR provide an allowance bid item for unsuitable soil.

A6. A bid allowance has been included with the addition of Bid Item 21 for trench over excavation and stabilization, included herein in Addendum 3.

Q7. Please confirm EMWD is the generator for all pre-existing contaminated or hazardous materials.

A7. Since this is a District owned site, the District will be the owner of any pre-existing contaminated or hazardous materials. If these materials are encountered the Contractor shall follow the direction of the contract documents for proper disposal under the District's manifest.

- Q8. Special condition 31 states, following potholing of existing utilities and structures the “Contractor shall adjust locations of proposed pipelines as necessary at no cost to the District to avoid utilities as shown in the Construction drawings, or as located in the field during the Contractor’s potholing operation.” Please quantify the extent of a proposed pipeline relocation the Contractor shall include in their bid for unknown utilities? 1’ maximum relocation? 2’ maximum relocation? It is impossible and extremely costly for the Contractor to guess the impact of unknown utilities on a proposed pipeline relocation within an existing plant.
- A8. See revisions to the provisions of Special Condition (SC-31), herein.
- Q9. Specification section 01140 details a redundant 2,500 GPM temporary bypass required for the brine pump station. Specification 01140 also details work hours as 7AM to 4PM. Please confirm the bypass is required 24 hours a day, 7 days a week for the duration brine pump station shutdown.
- A9. Yes, the intent is for Contractor to provide bypass pumping 24 hours a day, 7 days a week for the duration brine pump station shutdown.
- Q10. Specification section 01140, article 3-4 and Special Condition 62 state, the new SCE service may require power outages for the existing plant. The Contractor shall provide a temporary standby generator for each facility to allow for continuous operation during prescheduled power outages. Currently, SCE is unaware and unable to provide anticipated outage durations until a single Contractor is awarded the project post-bid. For bidding purposes, please provide the quantity and duration of existing plant power outages SCE will need to provide the new service.
- A10. Per the preliminary SCE design, SCE will need to remove existing vault X5541838 and install a new vault with switch V5620208 that supplies power to the entire site, which will require about 5 days of outage time (Monday thru Friday). During the outage, as depicted in the SCE preliminary design single line (included herein as Appendix E), all facilities are fed downstream of where construction will take place, and will therefore be disconnected from service. Prior to the outage, it is expected that all new facilities should be able to be installed and ready for connection after the SCE installation is completed.

Note: SCE has not confirmed this estimated outage time and will do so once they begin scheduling. Please plan for 5 days of outage time for basis of bid.

- Q11. Specification section 01140, article 4-2 details the maximum duration for shutdowns. However, article 3-1 within specification section 01140, states the “Contractor to provide temporary bypass piping, valving and equipment as necessary to minimize duration of pipeline and plant shutdown.” The District does not provide any information on which pipeline connections a shutdown will be allowable in lieu of a temporary bypass. Please identify which pipeline connections a shutdown is allowable, within the constraints detailed in article 4.2, and which pipeline connections a temporary bypass will be required.
- A11. Pipeline shutdowns will be allowable for the pipeline connections defined by Section 00100, Special Condition SC-55 within the time constraints identified in Section 01140, Article 4-2 without a temporary bypass requirement.
- Q12. Specification section 01500, article 3.4.B.1 states, “provide acoustical barriers so noise emanating from tools or equipment will not exceed legal noise levels.” The City of Menifee is silent on noise requirements. Please provide the noise criteria and restrictions for the existing desalination facility. Also, please clarify the intent of this requirement. Will an acoustical study be required by the Contractor? What are the acoustical (dBA) restrictions at adjacent properties?
- A12. The intent of this requirement is to comply with Section 9.09.050 of the Menifee, CA Code of Ordinances, which stipulates a 65 dB Leq 10 minute daytime exterior threshold (7:00 am to 10:00 pm).
- Q13. Specification section 01650, article 2 states, “Wastewater, including treated or test water that cannot be delivered to the plant effluent system for any reason, shall be disposed of at the expense of the Contractor in a manner acceptable to the Owner, and in accordance with all laws, regulations, and permits.” Please provide the existing plant effluent discharge criteria as well as the existing plant discharge permit, so the Contractor may understand which discharges are acceptable.
- A13. Wastewater, including treated or test water, may be discharged to the sewer system in accordance with Waste Discharge and Sewer Use Ordinance 59.6 (Appendix L). A waste discharge application submittal to be prepared and submitted by the contractor 60 days prior to discharge. Discharge must meet water EMWD quality/local limit requirements as defined in Appendix K. Water not permitted for sewer discharge or water not meeting water quality requirements to be disposed of at the discharge ponds shown on Drawing C-10-117.

Q14. Specification 02200, article 3-2.10.02 requires 2 feet of over excavation of paved areas. The article then goes on to state, excavation “shall include the excavation of all unsuitable material from the subgrade.” It’s impossible for the Contractor to estimate the quantity and potential depth of unsuitable soil. Please provide direction on quantities the Contractor shall assume for unsuitable soil for bidding purposes, OR provide an allowance bid item for unsuitable soil.

A14. Two feet of over-excavation for paved areas is suitable, additional excavation of paved areas is not anticipated.

Q15. Specification 02221, article 3.03.A.1 states, “where groundwater is encountered and the native material does not afford a solid foundation for pipe subgrade as specified above, the Contractor shall excavate to such depth below subgrade as determined necessary by the Engineer and shall construct a stable base by placing crushed rock bedding.” . It’s impossible for the Contractor to estimate the quantity and potential depth of unsuitable soil and crushed rock replacement. Please provide direction on quantities the Contractor shall assume for unsuitable soil for bidding purposes, OR provide an allowance bid item for unsuitable soil.

A15. A bid allowance has been included with the addition of Bid Item 21 for trench over excavation and stabilization, included herein in Addendum 3.

Q16. Specification 02221, article 3.03.A.1 states, “ where it becomes necessary to excavate beyond the limits of normal excavation lines in order to remove boulders or other interfering objects, backfill the voids remaining, as directed by the engineer but not less than 90% maximum compaction. This work is to be done at no extra cost to the Owner.” It’s impossible for the Contractor to estimate the quantity and impact of unforeseen boulders or other interfering objects. Please remove this requirement OR provide direction with the type and quantity of boulders and/or interfering objects the Contractor should including in their bid.

A16. Contractor shall reference Geotechnical Investigation Report(s) and Supplemental Special Condition SSC-2, and shall bid accordingly.

Q17. Specification 02221, article 3.03.B.2 states, “Full-time observation and testing will be required during all backfill and compaction activities on pipelines by a District approved soils firm.” Please confirm this soils firm completing the full time observation and testing will be provided by the District and not the Contractor.

A17. Yes, the District will furnish full time observation and testing per Special Condition SC-24 Construction Soils Tests.

Q18. Specification section 03300, article 3.09.C requires all water bearing structures to receive a brush-off blast to SSPC-SP7, followed by application of a bonding agent and a thick 60-grit sand cement mortar paste with a sponge rubber float, steel trowel finished, and then cured. Does this apply to both the interior and exterior formed surfaces (including those below grade) of water bearing structures? Or just the interior surface and visible exterior surfaces?

A18. Article 3.09-C states that the filler is to be used only in water bearing structures where defects are more than ¼-inch in depth and would be applicable to all interior surfaces and exterior surfaces below finished grade. Where no defects occur the formed finish is acceptable with the caveat that form fins be knocked off on the interior surfaces of tanks. Formed surfaces on the exterior face below grade is acceptable. Since the top slab would only be partially exposed above grade the rubbed finish specified under 3.09.B can be omitted and treated as 3.09.C.

Q19. Please provide the manufacturers certification of proper installation which was not included under Appendix F.

A19. See added Appendix F documentation, included herein in Addendum 3.

Q20. The Maxim Security System pre-negotiated security equipment proposal included under Appendix I, clarification 3 states, the quote shall expire on May 31, 2018. Additionally, clarification 7 and 12 indicate material escalation is likely. Please confirm Maxim Security will hold their price without escalation for the duration of the Prime Contract. If the price has changed, please provide the new quote and revise Bid Item 19 to reflect the new price.

A20. See updated Appendix I documentation, included herein in Addendum 3.

Q21. The Maxim Security System pre-negotiated security equipment proposal included under Appendix I, clarification 8 in details Maxim's insurance limits well below those required in the prime contract. Additionally, Maxim states a change order will be required to increase insurance coverage. Please have Maxim update their quote to reflect the required insurance coverages and revise Bid Item 19 to reflect the new price.

A21. See updated Appendix I documentation, included herein in Addendum 3.

Q22. Civil yard piping drawings C-10-114 through C-10-119 share a note that states, "new civil improvements including roads, curbs, gutters, and contours are screened on the piping plans for clarity." Many of the trenches on these referenced drawings, extend past the asphalt, curbs, and gutters replacement limits detailed on the grading and paving plans. For the civil improvements required for trenches extending beyond the grading and paving plan limits please confirm the following:

- a. Asphalt replacement will be per the trench repair details and not full road or lane width.
- b. The asphalt seal coat required under specification 02513 will only be required for the new asphalt trench repair and not the full road or lane width.
- c. Curb, gutter, and hardscape repair will be to the nearest joint.

A22. Correct, asphalt replacement of full road/lane width not required except for improvements within Murrieta Road within City of Menifee Right-of-Way. Refer to City of Menifee Requirements and City of Menifee Standard Plan 812.

Correct, seal coat only required for new asphalt sections

Correct, repairs will be to nearest joint.

Q23. Architectural drawing A-30-104, keynote 8, identifies the furniture as an allowance item. Is bid item 18 supposed to be an allowance item for the Evans Console proposal?

A23. Disregard drawings A-30-104 key note 8. Control room furniture is not an allowance item. Control Room furniture to be procured and installed by Contractor as Bid Item 18.

Q24. Structural drawing S-00-001, note 5, under the heading soil and foundations states, a recommended "over excavation to a minimum depth of 5-feet below existing grade or 3-feet below the bottom of footings or the base of slabs whichever is lower, then replaced with control fill of low volume change soils." However, this statement contradicts specification 02200, specifically article 3-2.10.01, which requires over excavation to a minimum of 7 feet below existing grade or 3 feet below foundations. Please clarify.

A24. Over excavation to a minimum of 7 feet below existing grade or 3 feet below foundations. Drawing S-00-001 note 5 to be replaced with "over excavation to a minimum depth of 7-feet below existing grade or 3-feet below the bottom of footings or the base of slabs whichever is lower, then replaced with control fill of low volume change soils."

Q25. Spec 02200-14 Section 3-2.10.01 references that "structural areas such as building pads, shallow foundations and equipment foundations shall be overexcavated to a minimum of 7 feet below existing grade or 3 feet below the bottom of spread footings, whichever is greater." Drawings S-30-301 and S-40-301 Note 1 and Note 8 respectively state, "excavate to a minimum 7 feet below existing ground surface or overexcavate subgrade 3 feet below base slab, whichever is lower". Drawings S-30-301 and S-40-301 show overexcavation to elevation 1406.00, which is less than the 02200.3.2.10.01 specified depth of 7 feet. Please confirm a minimum of 7 feet of overexcavation is required at all structural areas as defined above.

A25. Refer to A24, above.

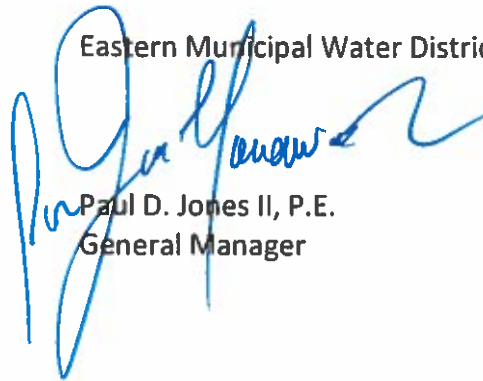
Q26. Specification section 01140, article 2-1.E requires the existing brine pump station modifications to be complete within 12 months of notice to proceed as a completion milestone. Article 6 in the same 01140 specification section identifies the existing brine pump station modifications as phase 5 which occurs after the newly constructed plant is ready for testing. Also note, the SCE electrical service interconnection will not be complete until January 1, 2021 to begin testing the new facility. Please confirm the correct date for completion milestone 2-1.E for completing the existing brine pump station modifications. If the brine pump station modifications are required to be complete prior to the new SCE electrical service, please confirm if the Contractor is continue the temporary brine pump station bypass until the new SCE electrical service is available?.

A26. As indicated in the drawings, the brine pump station is supplied power from the existing MCC at the Perris I Desalter facility. Pump station operations is not dependent on new SCE Service Plan Improvements. Please develop construction schedule to complete brine pump station improvements within 12 months of NTP to comply with Milestone Schedule as indicated in Section 01140 Article 2-1.E. Article 6 to be revised to have brine pump station improvements construction included with Phase 1 or 2 instead of Phase 5.

Q27. The yard piping profile drawings C-10-401 through 408 require the Contractor to “Restrain all Joints” for much of the underground PVC, including pipe runs that have no fittings or curves. Specification section 15064, article 2-2, identifies mechanical harnesses for restrained joints on pipe and fittings. Specification 15064, article 3-9 identifies restrained joints only on fittings and leaves open concrete or mechanical joint restraint. Please clarify the joint restraint requirements. Are mechanical joint restraint harnesses required for each and every pipe joint including bell and spigot joints of straight pipe runs where the internal hydrostatic head pressure exceeds 30’?

A27. Restrained joints sections have been revised to reduce the number of restrained joints along straight pipe sections. Refer to profile drawing revisions included herein with Addendum 3. Mechanical joint harness restraints will be required at each pipe joint (bell and spigot) within the defined “Restrain All Joints” sections.

Eastern Municipal Water District



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

PE: CW
PM: AA
DFE: BKM
DE: MAS

PDJ:CW:ae:jl

ATTACHMENTS:

- Proposal Package
- Revised Construction Drawings
- Section 01630 – Pipeline Schedule
- Section 08950 – Translucent Wall Panel Systems
- Section 15092 – Industrial Butterfly Valves
- Section 15093 – Check Valves
- Section 15102S – Resilient Seated Gate Valve Schedule
- Section 15103S – AWWA Butterfly Valve Schedule
- Appendix B – Geotechnical Investigation Report
- Appendix D – Electrical Service Plan (SCE)
- Appendix F – Manufacturers Certification of Proper Installation
- Appendix H – Control Room Furniture Proposal
- Appendix I – Maxim Security Proposal
- Appendix J – Standby Generator Sizing Information
- Appendix K – EMWD Local Limits
- Appendix L – Ordinance 59.6-Regulations for Waste Discharge and Sewer Use