



April 28, 2021

ADDENDUM NO. 1 TO SPECIFICATION NO. 1380W
WELLS 201, 202, 203 & 205 EQUIPPING

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:

NOTICE INVITING BID

REVISE NIB-1 as follows:

NIB-1. Receipt of Bids. Electronic proposals (bids) for this project to be emailed to eichpera@emwd.org no later than **5:00 p.m., MONDAY, MAY 3 17, 2021** Original Bid Bond and attachments to be mailed to the District within the same week. **Do not attempt to drop off your Bid Bond at the District.**

Fed Ex Bid Bond to: EMWD, 2270 Trumble Road, Perris, CA, 92570
Mail Bid Bond to: EMWD, P O Box 8300, Perris, CA 92572-8300

Due to COVID-19 the District is closed to public access; therefore, bids will not be publicly opened. The Preliminary Bid Summary will be posted on the website www.emwd.org no later than 10:00 a.m. the next day.

All bids submitted will become the property of EMWD and subject to disclosure under the Public Records Act. All bids will be posted on the website www.emwd.org approximately 10 days from bid opening.

SPECIAL CONDITIONS

SC-77. Stump Removal at Well 203

ADD SC-77 as follows:

The Contractor shall remove all existing tree stumps located throughout Well 203 prior to any utility or site work. Contractor shall remove and dispose of the interfering portions of the stumps in order to construct the necessary site improvements. The Contractor shall schedule this work as one of the first work elements upon mobilizing at this site. All work shall be done carefully to not damage existing on-site improvements (e.g. block walls and fencing).

SC-78. Spectrum Services Coordination

ADD SC-78 as follows:

The Contractor shall coordinate with District field engineering staff the Spectrum Services at each well site. The Contractor shall install the infrastructure (e.g. conduits, pull boxes, network panel enclosure, etc) shown on the drawings to provide a complete and operable service to each well site. District field engineering staff will establish service with Spectrum Services. The final location of the Spectrum pull box will be coordinated in the field and may vary from where shown on the plans. District provides and installs the Ethernet switch, the UPS and the Spectrum modem/router in the Contractor furnished and installed network rack. Spectrum Services will be responsible to install the cabling in the Contractor furnished and installed conduits and pull boxes into the network panel enclosure. Connection between the security system and District's ethernet network will be performed by Maxim per SC-42 within the Contractor furnished and installed conduits. The Contractor shall notify the District field engineering and District electrical staff 60 days in advance of this work item and include notifications as a milestone on the project schedule.

SECTION SSC – SUPPLEMENTAL SPECIAL CONDITIONS

ADD the following Supplemental Special Condition

SSC-7 Section 11005 - General Mechanical and Equipment Provisions

DELETE Section 3.11.B in its entirety and replace with:

B. Minimum Earthquake Forces: The minimum earthquake forces shall be those prescribed for Essential Facilities by the 2019 California Building Code and applicable supplements as published by the International Code Council, and the ASCE 7-16 Minimum Design Loads for Buildings and Other Structures or as specified in the "Soil Investigation Report," whichever is greater.

Contractor shall submit shop drawings, details, and data herein before specified in Section F General Conditions, F-30, "Submittals."

SECTION P – CONTRACT DRAWINGS

ADD the following to P-05 Greenbook Standard Drawing

121-2 Curb and gutter-mountable (attached)

DELETE P-07 Construction Drawings in its entirety and replace with the following:

<u>Drawing Number</u>	<u>Drawing Title</u>
D-59862	TITLE SHEET, LOCATION AND VICINITY MAP, AND SHEET INDEX
D-59863	GENERAL NOTES AND LEGEND
D-59864	KEYMAP AND ABBREVIATIONS
D-59865	COLOR SCHEDULE AND SHUTDOWN SCHEDULE
D-59866	WELL 80 SITE DEMOLITION PLAN
D-59867	WELL 80 DETAILED DEMOLITION PLAN
D-59868	WELL 201 SITE PLAN
D-59869	WELL 201 GRADING PLAN
D-59870	WELL 201 YARD PIPING PLAN
D-59871	WELL 202 SITE PLAN
D-59872	WELL 202 GRADING PLAN
D-59873	WELL 202 YARD PIPING
D-59874	WELL 203 SITE PLAN
D-59875	WELL 203 GRADING PLAN
D-59876	WELL 203 YARD PIPING
D-59877	WELL 205 SITE PLAN
D-59878	WELL 205 GRADING PLAN
D-59879	WELL 205 YARD PIPING PLAN
D-59880	WELL 201 & 202 YARD PIPING PROFILES
D-59881	WELL 203 & 205 YARD PIPING PROFILES
D-59882	WELL 201 WALL PROFILES
D-59883	WELL 201 WALL PROFILES
D-59884	WELL 202 WALL PROFILES
D-59885	WELL 202 WALL PROFILES
D-59886	WELL 203 WALL PROFILES
D-59887	WELL 205 WALL PROFILES
D-59888	GATE DETAILS
D-59889	SITE DETAILS
D-59890	SITE DETAILS
D-59891	YARD PIPING DETAILS
D-59892	GRADING DETAILS
D-59893	GRADING DETAILS
D-59894	WALL DETAILS
D-59895	GENERAL STRUCTURAL NOTES
D-59896	WELL BUILDING FOUNDATION PLAN
D-59897	WELL BUILDING ROOF FRAMING PLAN
D-59898	WELL BUILDING ELEVATIONS
D-59899	WELL BUILDING SECTION
D-59900	STRUCTURAL DETAILS
D-59901	STRUCTURAL DETAILS 2

D-59902	FOUNDATION AND WALL DETAILS
D-59903	ROOF FRAMING DETAILS 1
D-59904	ROOF FRAMING DETAILS 2
D-59905	ROOF FRAMING DETAILS 3
D-59906	ROOF FRAMING DETAILS 4
D-59907	WELL LAYOUT PLAN
D-59908	WELL SECTIONS
D-59909	STANDBY GENERATOR AND FUEL STORAGE PLAN
D-59910	PIPING DETAILS
D-59911	PIPING DETAILS
D-59912	WELL DETAILS
D-59913	ELECTRICAL SYMBOLS AND ABBREVIATIONS
D-59914	WELL 201 ELECTRICAL SITE PLAN
D-59915	WELL 202 ELECTRICAL SITE PLAN
D-59916	WELL 203 ELECTRICAL SITE PLAN
D-59917	WELL 205 ELECTRICAL SITE PLAN
D-59918	WELL SITE WELL POWER PLAN
D-59919	WELL SITE WELL INSTRUMENTATION AND CONTROL PLAN
D-59920	WELL SITE LIGHTING AND GROUNDING PLAN
D-59921	WELL SITE ELECTRICAL DETAILS
D-59922	WELL SITE ELECTRICAL DETAILS
D-59923	WELL SITES TYPICAL SINGLE LINE DIAGRAM
D-59924	TYPICAL ELECTRICAL EQUIPMENT ELEVATION
D-59925	WELL SITE CONDUIT SCHEDULES-1
D-59926	WELL SITE CONDUIT SCHEDULES-2
D-59927	LIGHT FIXTURES AND PANEL SCHEDULES
D-59928	PUMP CONTROL SCHEMATIC
D-59929	EXTERIOR LIGHTING CONTROL PANEL SCHEMATIC
D-59930	P&ID LEGEND AND ABBREVIATIONS
D-59931	P&ID WELLS (TYPICAL)
D-61291	CONTROL PANEL ELEVATION
D-61292	RTU INTERCONNECTION DIAGRAM-1
D-61293	RTU INTERCONNECTION DIAGRAM-2
D-61294	WELL 201 IRRIGATION PLAN
D-61295	WELL 201 PLANTING PLAN
D-61296	WELL 202 IRRIGATION PLAN
D-61297	WELL 202 PLANTING PLAN
D-61298	WELL 205 IRRIGATION PLAN
D-61299	WELL 205 PLANTING PLAN
D-61300	WELL 205 LANDSCAPE NOTES, DETAILS
D-61301	WELL 205 LANDSCAPE DETAILS

REVISE Drawing D-59865 G-004 Color Schedule and Shutdown Schedule as follows:

Revise the color for "Mortar for Site Walls" on all color schedules for Wells 201, 203 and 205 from El Rancho Tan to "**ORCO Tan**"

EMWD DETAILED PROVISIONS

Section 16252 Manual Transfer Switch

DELETE Section 16251 in its entirety.

ADD the following:

Section 02813 Irrigation

Section 02900 Landscape

Section 16250 Automatic Transfer Switch

Section 04220 Concrete Masonry Unit

ADD the following to Section 2.01

L. Anti-Graffiti Coating

Provide a siloxane or RTV silicone rubber graffiti protectant coating. Coating shall be formulated to provide protection against, and easy removal of, unwanted graffiti. Coating shall protect vertical concrete block, other masonry substrates with little or no change to the appearance of the untreated substrate. Protectant shall penetrate into the pores to prevent graffiti penetration and be stable against ultraviolet ray exposure. Coating shall dry clear and be non-yellowing with a low luster sheen. Coating shall be compliant by VOC compliant with current codes. Anti-graffiti coating shall be compatible with water repellent product. Substrate preparation and coating application of anti-graffiti coating and primers shall be per manufacturer's recommendation. Manufacturers shall be Sherwin Williams, Tnemec or equal.

MANDATORY PRE BID WALK THROUGH

A mandatory pre-bid walk-through meeting was conducted on April 14, 2021 starting at 9:00 a.m. by appointment only.

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

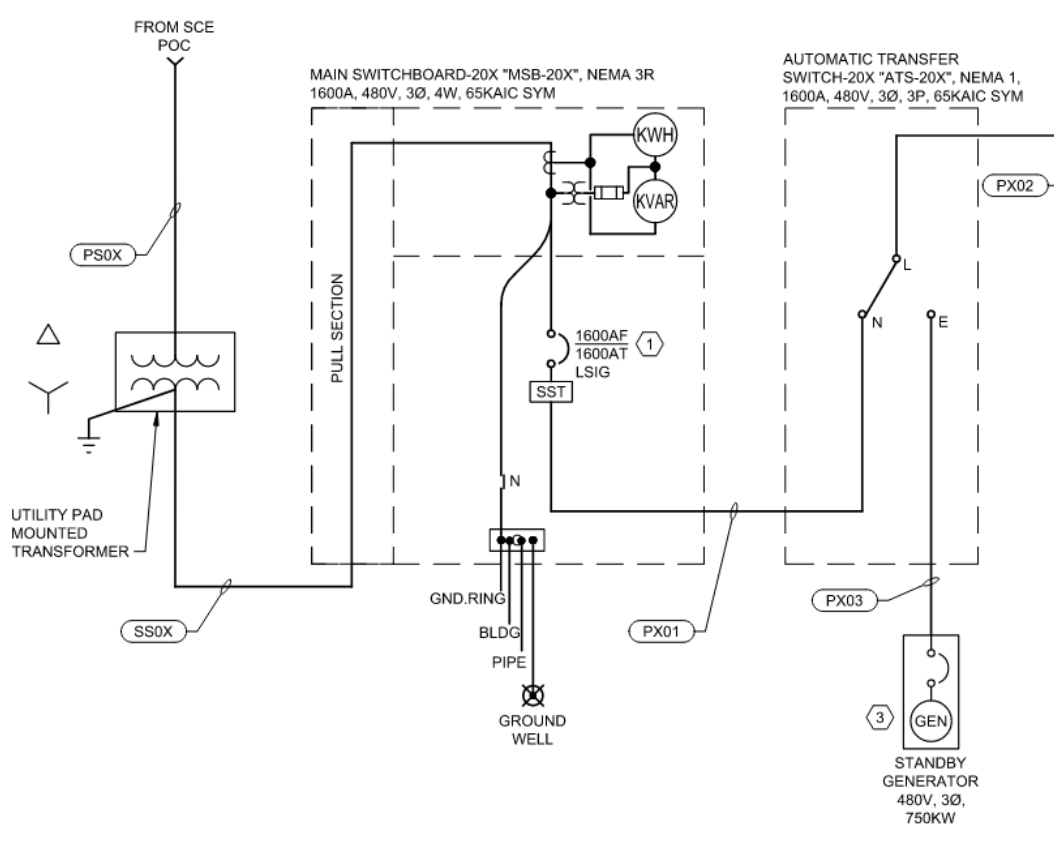
QUESTIONS & ANSWERS

Halcyon Electric

Q1. There are automatic transfer switches on the SLD but there isn't a spec provided though it is referred to within the spec section.

K. Accessories: All accessories including hardware that shall be needed for the complete installation and proper operation of each electric generating plant shall be furnished.

1. Transfer Switch: The automatic transfer switches shall be installed as specified in Section 16250.



- A1. Provide an Automatic Transfer Switch per Section 16250, attached per this addendum.

Q2. Section 01026-5: in the schedule of values item No. 3.24 description has the contractor providing Spectrum Services communication. What is required from the contractor typically the Owner is responsible to set up and establish new services with utilities.

A2. See SC-78 Spectrum Services Coordination added by this addendum. The Contractor is to provide the network panel, electrical conduit and cables and pull boxes from the Spectrum Services pull box and the electrical room as shown on the drawings. District field engineering staff will establish service with Spectrum Services.

Q3. Section 01026-5: in the schedule of values item No 3.24 description indicates a network panel. Contract Drawing E-202 shows a Hoffman Panel for the network. Please confirm who is responsible for the network equipment? If it is contractor furnished, please provide information on what is required.

A3. See SC-78 Spectrum Services Coordination added by this addendum. The Contractor shall provide the network panel. The network equipment that will be installed inside the panel will be performed by the District.

Q4. What manufacturer and model number is required for the motion sensors?

A4. Motion sensors are provided by the District's security system provider (Maxim). Contractor to coordinate with Maxim per Special Condition SC-42.

Q5. On E-101 note 13 describes the level float switch installation and refers to detail 3 on sheet E-503. It appears that this sheet does not exist in the contract drawings. Please provide sheet E-503.

A5. See revision to Sheet E-101 per this addendum. The construction note reference has been revised to C-503

Q6. Spec Section 16050 – 44 3.03 “Conduit Material Schedule” (exposed indoor, dry locations) has GRS permitted to be used. On the contract drawing E-201 note 2, E-202 note 2, and E-203 note 2 reads “ALL EXPOSED CONDUITS SHALL BE PVC COATED RIGID STEEL”. Please confirm what material is to be use for the conduits.

A6. See revised Drawings, E-201, E-202 and E-203 attached with this addendum. The Contractor shall consider all areas within the well building for conduit material as “Exposed Indoor – Damp or Wet Locations”.

Q7. Please confirm ALL underground electrical conduit horizontal sweeps are to be long radius PVC-coated rigid steel.

A7. Yes, all underground electrical conduit horizontal sweeps are to be long radius, PVC-RGS or PVC-RA and all underground horizontal sweeps shall comply with the conduit material shown in the table per Specification Section 16050 3.03 CONDUIT MATERIAL SCHEDULE.

FERGUSON WATERWORKS

Q1. WHAT MATERIAL ARE THE ADJUSTABLE PIPE SUPPORTS?

A1. The pipe support material shall be the materials of construction as provided by Grinnell for a Figure 264 pipe support including: cast iron saddle, locknut nipple and special cast iron reducer. See revision to Drawing M-501 per this addendum.

Q2. REF. DWG M101, TWO (2) 2" COMBINATION AIR/VACCUM, RELEASE VALVES ARE SHOWN ON THE END OF THE PIPE SECTION TO THE BLOW OFF PIPE. ONE (1) ON THE SPOOL BEFORE THE DOWNWARD VERTICAL 90 BEND AND ONE (1) ON THE DOWNWARD VERTICAL BEND. ONLY THE ONE (1) ON THE SPOOL IS SHONW ON DWG M102 SECTION B. NEITHER ARE SHOWN ON THE TYPICAL WELL PI&D DWG EI603. ARE BOTH REQUIRED?

A2. See Revised Drawing M-101 attached with this addendum. The sections have been updated and the second air/vacuum release shown on the 90 degree fitting has been deleted.

Q3 ARE CHECK VALVES REQUIRED ON THE BLOW OFF LINES FOR WELLS, 202,203 & 205? THEY ARE NOT SHOWN ON THE YARD PIPE PLANS FOR THE RESPECTIVE SITES.

A3. Yes, check valves are required. Mechanical piping shall be constructed at all well sites as shown on the mechanical sheets. The yard piping plans have been revised to show the check valves and are attached with this addendum.

Q4. DWG C103 NOTES 69 & 90 INDICATE THE DRAIN LINES ARE TO BE 4" SCH80. DWG M101 NOTES 59 & 60 INDICATE THE DRAIN LINES ARE TO BE 2" & 4" SCH40. WHICH IS CORRECT?

A4. See Revised Drawing M-101 attached with this addendum. Contractor is to provide SCH 80 PVC piping.

Q5 WHAT SPECIFICATION SHOULD BE FOLLOWED FOR THE OIL STOP VALVES?

A5. See Revised Drawings M-101 and M-102 and M-503 attached with this addendum. Per construction note 44, the oil shut off valves shall be brass.

J.F. Shea Construction

Q1. I would like to confirm that there is no Good Faith Effort required on this project. Section SSC1-01. Funding Requirements mentions the Integrated Regional Water Resources of the State of California Grant Funding. Are there specific Good Faith Effort steps to be taken per this Agency? I did not see any stated in the Specifications.

A1. There is no good faith effort required on this project.

Collicutt Energy

Q1. I would like to request you please consider MTU (A Rolls-Royce Solution) as an equal manufacturer for Power Generators of this project. I have attached the MTU Power Generation Brochure for your reference. Please let me know if you have any question or need further information that might help you to make decision. We will appreciate your consideration. Thanks, and have a great day!

A1. Staff will not consider or approve any "or equal" Generators at this time. Therefore, provide CAT, Generac, Cummins, no equal as specified in Special Conditions Section, SC-12.

National Pump

Q1. I am submitting the attached curves to see if we can be preapproved to bid the above project. National is ISO and NSF certified and been in business over 50 years. We see no problems meeting the specifications at this time. I appreciate your consideration.

A1. Per specifications, the pumps shall be manufactured by Peerless, Goulds, Floway or District approved equal. The District is willing to consider National Pump for the WELLS 201, 202, 203 AND 205 EQUIPPING Project Spec. 1380W as an or equal with an appropriate and timely submittal. The request for substitute or equal materials shall be done per the Contract, Section F-29. EQUIPMENT AND MATERIAL ITEMS. National Pump will need to provide a written request and complete submittal that fully and technically describes each proposed item and its intended use, and setting forth all variations in costs pertaining to the application. Please see the attached letter for the typical Materials Approval Submittal Requirements to assist in your submittal process. Please submit a complete submittal as soon as possible in compliance with the attached letter and in accordance with the requirements of the contract documents including Specification Sections 11937 and 11937.1 DEEP WELL VERTICAL TURBINE PUMPS for evaluation by the District.

Bidders will be notified if National Pump is approved as an or equal by Addendum only.

Eastern Municipal Water District



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

PE: 

PM: 

DFE: 

DE: BXM

PDJ:GK:ld:ae

ATTACHMENTS: Greenbook Standard Drawing 121-2 Curb and gutter-mountable
Section 02813 Irrigation
Section 02900 Landscape
Section 16250 Automatic Transfer Switch
Materials Approval Committee Vendor Submittal
Construction Drawings