



November 1, 2018

ADDENDUM NO. 1 TO SPECIFICATION NO. 1345
Solar Renewable Energy Initiative - PH 3 Site Preparation Construction

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

NIB-7. Contract Time.

REVISE NIB-7 as follows:

No bid or bid security may be withdrawn for **one hundred sixty five (165)** calendar days after the date bids are received. The successful bidder shall, within **seven (7)** calendar days after the District mails a notice of acceptance of bid, return the signed agreement and bonds, and attend the pre-construction conference at the District office.

The contract period shall commence **seven (7)** calendar days from the date of the **Notice-of-Acceptance-of-Proposal**. The Contractor shall complete all work, including testing, within ~~three hundred (300)~~ **two hundred seventy (270)** calendar days.

SPECIAL CONDITIONS

SC-03. Construction Period and Requirements.

REVISE the site-specific construction schedule and sequencing constraints as follows:

The contract time is set forth in the Notice Inviting Bids. The following site-specific construction schedule and sequencing constraints must be adhered to:

Site	Start (No Earlier Than)	Completion (No Later Than)
SJVRWRF- NEM 2.0	N/A	May 31, 2019 90 days after Contract Start Date
SJV North- RES-BCT	N/A	May 31, 2019 90 days after Contract Start Date
MVRWRF- NEM 2.0	May 1, 2019	July 31, 2019 150 days after Contract Start Date
SCRWRF- NEM 2.0	July 1, 2019	September 30, 2019 210 days after Contract Start Date
PVRWRF- NEM 2.0	September 1, 2019	November 30, 2019 270 days after Contract Start Date

SC-19. Environmental Mitigation and Control.

REPLACE SC-19 in its entirety with the following:

Contractor shall comply with all applicable environmental impacts and mitigation measures, as stipulated in Appendix G, Table ES-1, including but not limited to the specified Standard Construction Practices/Design Features in the following Environmental Factor categories:

- Air Quality
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Noise

In addition, Contractor may be subject to the potential impacts and/or inadvertent discoveries, including specified Mitigation Measures in the following Environmental Factor categories:

- Biological Resources
- Cultural Resources

SC-22. Owner Furnished Contractor Installed (OFCI) Fill Material.

REVISE SC-22 last paragraph as follows:

The restoration shall be subject to concurrence by the Lessee (facilitated by DISTRICT staff) and DISTRICT. The excavation and import activities from ~~these~~ **the** borrow areas shall be limited to 90 days from the ~~Notice to Proceed~~ **commencement of such import activities.**

CONTRACT DRAWINGS

REVISE D-55901, as follows:

Remove Note #15 of the GRADING NOTES- DRAINAGE AND EROSION/DUST CONTROL in its entirety.

APPENDICES

ADD Appendix G Environmental Impacts and Mitigation Measures - Table ES-1

MANDATORY PRE BID WALK THROUGH

A mandatory pre-bid walk-through meeting was conducted on 10/23/2018 at 9:00 a.m.

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

QUESTIONS & ANSWERS

SCST Engineering

Q1. Although the specs read that “The laboratory or inspection agency shall be selected by the District. The District will pay for all laboratory inspection service direct and not as a part of the Contract” (00064.F.33), they also read that “Soils testing provided by EMWD to determine compliance with the requirements of this specification does not relieve the Contractor of his/her responsibility” (02201.I). The specs also read that “The Contractor is responsible for collecting additional geotechnical data, as needed, to ensure imported material complies with the specifications of this bid package” (00100.SC-22). In regards to reinforced concrete it appears that the Contractor is responsible for testing and inspection: “Materials shall be tested as hereinafter specified and unless specified otherwise, all sampling and testing shall be performed by a District-approved Testing Laboratory with cost borne by the Contractor” (03200.1.02.B).

Please advise on the need for contractors to procure geotechnical or quality control/assurance services.

A1. Based upon the scope of project construction, no testing of reinforced concrete is required. In addition, Appendix B- *Trumble Road Stockpile Analysis* has been provided for the Contractor’s reference of import soil suitability. It is Contractor’s responsibility to collect any additional information and/or perform additional testing of OFCI soil material if Contractor deems necessary for any purpose. To arrange access within the OFCI soil stockpile site, Contractor shall contact EMWD Construction Administrator Dustin Wetter at 951-928-3777, ext. 4322.

Pacific Hydrotech

Q1. (SC-03) The completion date is based off of what award date?

A1. The anticipated Contract Award date is February 6, 2018. Reference Addendum No.1, herein, for updated SC-03 language and requirements.

Q2. (SC-07) All risk insurance is not available with \$1000 deductibles. Would district accept \$25,000???

- A2. Builder's "All Risk" insurance policy shall contain a deductible not higher than **\$1,000** unless otherwise approved by the District which will be determined during review of Insurance.
- Q3. (SC-22) Does stockpile material meet fill specs?
- A3. Appendix B- *Trumble Road Stockpile Analysis* has been provided for the Contractor's reference of import soil suitability. It is Contractor's responsibility to collect any additional information and/or perform additional testing of OFCI soil material if Contractor deems necessary for any purpose.
- Q4. (SC-31) Does the guard shack guard get paid prevailing wages?
- A4. Security guards are not subject to prevailing wages.
- Q5. (Drawings) Existing contours are not very clear at all on some pages. Could this be revised/corrected and added to the drawings? Could we get CAD files for Quantity takeoffs?
- A5. Please reference CAD files that have been provided in Appendix D.

Sunterra Solar Inc.

- Q1. I saw the RFP for the site preparation for solar and wanted to know if you have already selected a solar contractor for these projects or if you will be submitting a RFP in the future?
- A1. The solicitation for the *EMWD Solar Power Purchase & Battery System Addendum* has concluded, and the District is currently in the process of selecting a potential vendor.

Heartland Grading

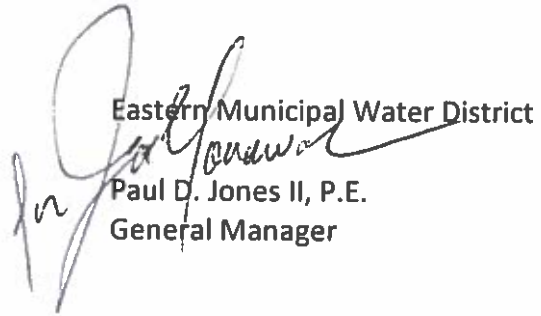
- Q1. **Moreno Valley**- Are we to assume a 2-foot OX in the pond areas? And a 6" removal on the site (Solar Panels). Additionally, are we to include a 2-foot OX for the gravel roads?
- A1. Reference contract documents (plans and specifications) for site-specific over-excavation (OX) requirements.
- Q2. **Perris Valley**- Are we to assume a 2-foot OX in the farm area as well as a 2-foot OX for the pond portion. Additionally, are we will OX 2-foot for the gravel roads?
- A2. Reference contract documents (plans and specifications) for site-specific over-excavation (OX) requirements.
- Q3. **Sun City**- Are we to assume a 2-foot OX in the area to receive fill as well as a 2-foot OX in the Gravel road? Additionally, are we to include a 6" removal in the solar panel areas?
- A3. Reference contract documents (plans and specifications) for site-specific over-excavation (OX) requirements.

- Q4. **San Jacinto North and San Jacinto Valley**- What depth shall we assume for the farm site removal? Are we to assume a 2-foot removal in the gravel roads?
- A4. Reference contract documents (plans and specifications) for site-specific over-excavation (OX) requirements.
- Q5. Are we responsible to provide a water meter? Is EMWD providing water costs associated with grading?
- A5. Reference Special Condition SC-06 related to Construction Water.

Kiewit

- Q1. Under Special Conditions SC-22 "Owner furnished Contractor Installed (OFCI) Fill Material" The last paragraph and last sentence indicates the excavation and import from the borrow sites shall be limited to 90 days from NTP. Please clarify the meaning of NTP as it relates to these borrow sites. Does NTP mean from "Contract NTP" or from day one of Project related activities at the specific borrow site (beginning of excavation/export to Project fill sites)? Please clarify.
- a. Subsequent question: Does each borrow site have a separate NTP based on start of project related activities on the site?
- A1. Reference Addendum No.1, herein, for updated SC-22 language and requirements.
- Q2. Drawing C-02 "General Notes" under Drainage and Erosion / Dust Control Note 15. The note indicates irrigation systems are to be installed for planting of grass or rosea ice plant for slope at 3 horizontal to 1 vertical or steeper. Please provide locations of existing irrigation systems including valve boxes for tie in or water and electrical source to be used for irrigation.
- a. Are the plants also included in the 1 year warranty?
- A2. Reference Addendum No.1, herein, for updated GRADING NOTES- DRAINAGE AND EROSION/DUST CONTROL notes and requirements.

PE: CW
PM: [Signature]
DFE: BAM
DE: [Signature]


Eastern Municipal Water District
Paul D. Jones II, P.E.
General Manager

PDJ:CW:ae:ma

ATTACHMENTS: Appendix G Environmental Impacts and Mitigation Measures - Table ES-1

Table ES-1
Impacts and Mitigation Measures

Environmental Factor:	Air Quality
Impact:	Temporary emissions during construction that would exceed the South Coast Air Quality Management District's (SCAQMD) construction-related thresholds of significance for oxides of nitrogen (NO _x) at all Project sites and localized significance thresholds for respirable particulate matter (PM ₁₀) at the San Jacinto Valley RWRf and San Jacinto Valley RWRf North sites.
Standard Construction Practices/Design Features	<p>The ARB has designated the SCAB as non-attainment for the State ozone, PM₁₀ and PM_{2.5} standards. In addition, the U.S. Environmental Protection Agency has designated the SCAB as non-attainment for the federal ozone, PM₁₀ and PM_{2.5} standards. Therefore, every effort should be made to minimize emissions within the SCAB. Consequently, to reduce the emissions as much as possible, EMWD will include the following best management practices in its construction documents for the Proposed Project:</p> <p>The contractor shall:</p> <ul style="list-style-type: none"> ❖ Utilize electricity from power poles instead of from temporary diesel or gasoline power generators, when feasible. ❖ Require the use of 2010 and newer diesel haul trucks (e.g., material delivery trucks and soil import/export) and if the lead agency determines that 2010 model year or newer diesel trucks cannot be obtained the contractor shall use trucks that meet EPA 2007 model year NO_x emissions requirements. ❖ Require that all on-site construction equipment meet EPA Tier 3 or higher emissions standards according to the following: <ul style="list-style-type: none"> ➤ All off-road diesel-powered construction equipment greater than 50 hp shall meet the Tier 4 emission standards, where available. In addition, all construction equipment shall be outfitted with BACT devices certified by CARB. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations. ➤ A copy of each unit's certified tier specification, BACT documentation, and CARB or SCAQMD operating permit shall be provided at the time of mobilization of each applicable unit of equipment. ❖ Maintain construction equipment engines by keeping them properly tuned and maintained according to manufacturer's specifications. ❖ Use alternative fuels or clean and low-sulfur fuel for equipment. ❖ Idle trucks in accordance with the Airborne Toxic Control Measure (ACTM) to Limit Diesel Fueled Commercial Motor Vehicle Idling and other applicable laws. ❖ Spread soil binders on site, where appropriate, unpaved roads and staging areas. ❖ Water site and equipment as necessary to control dust. ❖ Sweep all streets at least once per day using SCAQMD Rule 1186 certified street sweepers or roadway washing trucks if visible soil materials are carried to adjacent streets. ❖ Conduct operations in accordance with SCAQMD Rule 403 requirements. ❖ Cover all trucks hauling dirt, sand, soil, or other loose materials, or maintain at least two feet of freeboard in accordance with the requirements of California Vehicle Code (CVC) Section 23114.
Mitigation Measures:	<p>MM-AIR-1: EMWD shall appoint a construction relations officer to act as a community liaison concerning on-site construction activities including resolution of issues related to PM₁₀ generation. Additionally, best management practices shall be included in contract documents for this project.</p>
Impact After Mitigation:	Potentially significant impact

Environmental Factor:	Biological Resources
Impact:	Potential impacts to nesting birds and burrowing owls
Standard Construction Practices/Design Features	EMWD will include the following mitigation measures in its contract documents for this project.
Mitigation Measures:	<p>MM-BIO-1: If construction occurs between February 1st and August 31st, a pre-construction clearance survey for nesting birds shall be conducted within three (3) days of the start of any vegetation removal or ground disturbing activities to ensure that no nesting birds will be disturbed during construction. The biologist conducting the clearance survey should document a negative survey with a brief letter report indicating that no impacts to active avian nests will occur. If an active avian nest is discovered during the pre-construction clearance survey, construction activities shall stay outside of a no-disturbance buffer. The size of the no-disturbance buffer (generally 300 feet for migratory and non-migratory song birds and 500 feet for raptors and special-status species) will be determined by the wildlife biologist, in coordination with the CDFW, and will depend on the level of noise and/or surrounding disturbances, line of sight between the nest and the construction activity, ambient noise, and topographical barriers. These factors will be evaluated on a case-by-case basis when developing buffer distances. Limits of construction to avoid an active nest will be established in the field with flagging, fencing, or other appropriate barriers; and construction personnel will be instructed on the sensitivity of nest areas. A biological monitor should be present to delineate the boundaries of the buffer area and to monitor the active nest to ensure that nesting behavior is not adversely affected by the construction activity. Once the young have fledged and left the nest, or the nest otherwise becomes inactive under natural conditions, construction activities within the buffer area can occur.</p> <p>MM-BIO-2: A burrowing owl clearance survey shall be conducted prior to any ground disturbing activities in accordance with the CDFW 2012 Staff Report on Burrowing Owl Mitigation. Two pre-construction clearance surveys shall be conducted 14-30 days and 24 hours prior to ground disturbing activities to document the continued absence of burrowing owl from the Project sites. If burrowing owls are observed on the Project sites during the pre-construction surveys, a burrowing owl passive relocation plan will need to be prepared and submitted to CDFW for review and approval prior to commencement of vegetation clearing/grubbing, grading, and construction activities on the Project sites. The burrowing owl relocation plan will outline methods to passively relocate any burrowing owls occurring on the Project site and ensure compliance with the MBTA and Fish and Game Code.</p>
Impact After Mitigation:	Less than significant impact
Environmental Factor:	Cultural Resources
Impact:	Possible inadvertent discoveries of cultural resources, paleontological resources or human remains during excavation activities.
Standard Construction Practices/Design Features	EMWD will include the following mitigation measures in its contract documents for this project.
Mitigation Measures:	<p>MM-CUL-1: In the unlikely event that potentially significant archaeological materials are encountered during construction activities, all work shall be halted in the vicinity of the archaeological discovery until a qualified archaeologist can visit the site of discovery, assess the significance of the archaeological resource, and provide proper management recommendations. If the discovery proves to be significant, additional work, such as data recovery excavation, may be warranted. The treatment and disposition of cultural material that might be discovered during excavation shall be in accordance with applicable laws and regulations.</p> <p>MM-CUL-2: All sacred items, should they be encountered within the Project sites, shall be avoided and preserved as the preferred mitigation, if feasible. All cultural materials that are collected during excavation and other earth disturbing activities on the Project sites, with the exception of sacred items, burial goods and human remains which will be addressed in any required Treatment Agreement, shall be tribally curated according to the current repository standards. The collections and associated records shall be transferred, including title, to the closest tribe to the Project site.</p> <p>MM-CUL-3: In the unlikely event that potentially significant paleontological materials (e.g., fossils) are encountered during construction of the project, all work shall be halted in the vicinity of the paleontological discovery until a qualified paleontologist can visit the site of discovery, assess the significance of the paleontological resource, and provide proper management recommendations. If the discovery proves to be significant, additional work, such as data recovery excavation, may be warranted. The treatment and disposition of paleontological material that might be discovered during excavation shall be in accordance with applicable laws and regulations.</p> <p>MM-CUL-4: In the event of an accidental discovery or recognition of any human remains, the County Coroner shall be notified and construction activities at the affected work site shall be halted. If the coroner determines the remains to be</p>

	Native American: (1) the coroner shall contact the Native American Heritage Commission (NAHC) within 24-hours, and (2) the NAHC shall identify the person or persons it believes to be the most likely descended from the deceased Native American. The treatment and disposition of human remains that might be discovered during excavation shall be in accordance with applicable laws and regulations.
Impact After Mitigation:	Less than significant impact
Environmental Factor	Hazards and Hazardous Materials
Potential Impact	During construction, the contractor would utilize equipment that uses petroleum-based fuels and lubricants, which are subject to both leakage from engine blocks and containers, or spillage during refueling and lubrication operations
Standard Construction Practices/Design Features	<p>EMWD's contract documents for this project will include the following:</p> <p>During project construction, the construction contractor shall implement the following measures to address the potential environmental constraints associated with the presence of hazardous materials at the project sites to the satisfaction of EMWD:</p> <ul style="list-style-type: none"> ❖ The contractor shall prepare a Health and Safety Plan in compliance with the requirements of Chapter 6.95, Division 20 of the Health and Safety Code (§25500 – 25532). The plan shall include measures to be taken in the event of an accidental spill. ❖ The contractor shall enforce strict on-site handling rules to keep construction and maintenance materials out of receiving waters and storm drains. In addition, the contractor shall store all reserve fuel supplies only within the confines of designated construction staging areas; refuel equipment only with the designated construction staging areas; and regularly inspect all construction equipment for leaks. ❖ The construction staging area shall be designed to contain contaminants such as oil, grease, and fuel products to ensure that they do not drain towards receiving waters or storm drain inlets.
Mitigation Measures	No additional mitigation is required.
Impact After Mitigation	Less than significant impact.
Environmental Factor	Hydrology and Water Quality
Potential Impact	During project construction, there is the potential for sediment-laden runoff to enter downstream drainages.
Standard Construction Practices/Design Features	<p>All site grading and excavation activities associated with the construction of the Project facilities would be subject to the provisions of the National Pollutant Discharge Elimination System (NPDES) Construction Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities [NPDES No. CAS000002 (State Water Resources Control Board Order No. 2009-0009-DWQ)]. Compliance with the provisions of that Order would require EMWD to obtain coverage before the onset of construction activities. Construction activities would comply with the conditions of these permits that include preparation of storm water pollution prevention plans (SWPPP), implementation of BMP's, and monitoring to insure impacts to water quality are minimized. As part of this process, multiple BMP's should be implemented to provide effective erosion and sediment control. These BMP's should be selected to achieve maximum sediment removal and represent the best available technology that is economically achievable. BMP's to be implemented may include, but not be limited to, the following:</p> <ul style="list-style-type: none"> ✓ Temporary erosion control measures such as silt fences, staked straw bales/wattles, silt/sediment basins and traps, check dams, geofabric, sandbag dikes, and temporary revegetation or other groundcover shall be employed for disturbed areas. ✓ Storm drain inlets on the site and in downstream offsite areas shall be protected from sediment with the use of BMP's acceptable to EMWD, local jurisdictions and the California Regional Water Quality Control Board, Santa Ana Region. ✓ Dirt and debris shall be swept from paved streets in the construction zone on a regular basis, particularly before predicted rainfall events. ✓ No disturbed surfaces shall be left without erosion control measures in place. EMWD, or its Construction Contractor, shall file a Notice of Intent with the Regional Board and require the preparation of a pollution prevention plan prior to commencement of construction. EMWD shall routinely inspect the construction site to verify that the BMP's specified in the pollution prevention plan are properly installed and maintained. EMWD shall immediately notify the contractor if there were a noncompliance issue and require immediate compliance. <p>The SWPPP will also identify the method of final stabilization of the site to ensure no post-construction erosion and impacts to water quality will occur. The Notice of Termination (NOT) and release of the Project from the provisions</p>

	of the Construction General Permit coverage will be granted by the California Regional Water Quality Control Board, Santa Ana Region once it is satisfied that no impacts to water quality will occur.
Mitigation Measures	No additional mitigation is required.
Impact After Mitigation	Less than significant impact.
Environmental Factor	Noise
Potential Impact	Noise associated with construction activities would exceed ambient noise levels.
Standard Construction Practices/Design Features	EMWD will include the following best management practices in its standard construction specifications: <ul style="list-style-type: none"> ❖ All equipment used during construction shall be muffled and maintained in good operating condition. All internal combustion engines shall be fitted with well-maintained mufflers in accordance with manufacturers' recommendations
Mitigation Measures	No additional mitigation is required.
Impact After Mitigation	Less than significant impact.

End of Document