AGENDA

Each item on the agenda, no matter how described, shall be deemed to include any appropriate motion, whether to adopt minute motion, resolution, payment of any bill, approval of any matter or action, or any other action. Items listed as "For information" or "For discussion" may also be the subject of an "action" taken by the Board or a Committee at the same meeting.

1. **DETERMINATION OF A QUORUM**

2. **PUBLIC COMMENT**

3. **AWARD OF CONTRACT FOR SAFE DRINKING WATER – CA AM ARLINGTON WELL TREATMENT PROJECT**
   **Staff Recommendation:** The Groundwater Quality Committee recommends the Board of Directors:
   (1) Reject the bid from Mocon Corporation; and
   (2) Award the construction contract to Pacific Hydrotech Corporation for an amount not to exceed $2,065,300 plus a 15% contingency, for a total of $2,375,300 for the CA AM Arlington Well Treatment Project.

4. **SAFE DRINKING WATER PROGRAM - DISADVANTAGED COMMUNITIES OUTREACH PILOT PROGRAM UPDATE**
   **Staff Recommendation:** The Groundwater Quality Committee receive and file the report.

5. **SAFE DRINKING WATER OUTREACH UPDATE**
   **Staff Recommendation:** For discussion and possible action.

6. **ENVIRONMENTAL SITES REVIEW**
   **Staff Recommendation:** For discussion only.

7. **DIRECTORS REPORTS, INQUIRIES AND FOLLOW UP OF DIRECTIONS TO STAFF**

8. **ADJOURNMENT**

Agenda posted by Sherri Brown, on 07/06/2018. In compliance with ADA requirements, this document can be made available in alternative formats upon request.
DATE: JULY 10, 2018

TO: GROUNDWATER QUALITY (GWQ) COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: AWARD OF CONTRACT FOR SAFE DRINKING WATER – CA AM ARLINGTON WELL TREATMENT PROJECT

SUMMARY
The District administers the Safe Drinking Water Program (SDWP) to assist basin pumpers in sustaining active production from contaminated wells. Wells are evaluated for assistance based on water quality data and production history. When assistance is deemed necessary, WRD and the basin pumper jointly develop a treatment solution for the subject well.

California American Water’s Arlington Well located in Los Angeles has been impacted with elevated concentrations of Trichloroethylene (TCE) over the last several years and has been offline since 2010. Since 2010, California American has attempted other options; however, with levels of TCE increasing to greater than two times the MCL and concerns with migration to other nearby wells, treatment is the ideal option. The water system formally requested assistance from the District for financial assistance through the Safe Drinking Water Program (SDWP) for a Granular Activated Carbon (GAC) treatment system to remove the TCE and protect downstream wells.

The Board authorized the release of a Request for Bids for the Arlington Well Treatment Project and the project was advertised for competitive bids. On May 30, 2018, the District received and publicly opened 5 bids, as summarized below.

<table>
<thead>
<tr>
<th>Contractor</th>
<th>Amount of Base Bid</th>
<th>Alternate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mocon Corporation</td>
<td>$1,905,000.00</td>
<td>$720,000.00</td>
</tr>
<tr>
<td>Pacific Hydrotech Corporation</td>
<td>$2,065,300.00</td>
<td>$1,106,600.00</td>
</tr>
<tr>
<td>Pyramid Building &amp; Engineering</td>
<td>$2,073,400.00</td>
<td>$150,000.00</td>
</tr>
<tr>
<td>Environmental Construction Inc.</td>
<td>$2,181,512.00</td>
<td>$1,052,529.00</td>
</tr>
<tr>
<td>Carbon Activated Corporation</td>
<td>$2,576,028.61</td>
<td>$1,077,754.49</td>
</tr>
</tbody>
</table>
Thereafter, District staff and legal counsel evaluated the bids received and deemed that
the apparent low bidder, Mocon Corporation, Inc. is non-responsive due to its failure to
submit all required information. In addition, the third lowest bidder, Pyramid Building &
Engineering formally withdrew their bid. Therefore, in accordance with the Public
Contract Code, the second apparent low bidder, Pacific Hydrotech Corporation is
deemed the lowest responsible and responsive bidder, with the base bid amount of
$2,065,300. This project will not include the alternate bid item.

Under the agreement between California American Water and WRD, the District’s
budget is capped at $1,600,000 for design and construction. Upon issuance of the
Notice of Completion, California American Water will reimburse the District for any
amount exceeding the District Budget.

**FISCAL IMPACT**

Funds for this project will come from the 2015 bond issue. The construction of the
improvements is estimated to cost $2,065,300 plus a 15 percent contingency
($310,000), for total not-to-exceed amount of $2,375,300.

**STAFF RECOMMENDATION**

The Groundwater Quality Committee recommends the Board of Directors:
(1) Reject the bid from Mocon Corporation; and
(2) Award the construction contract to Pacific Hydrotech Corporation for an amount not
to exceed $2,065,300 plus a 15% contingency, for a total of $2,375,300 for the CA AM
Arlington Well Treatment Project.
SECTION 00500

AGREEMENT
BETWEEN PROJECT OWNER AND CONTRACTOR FOR CONSTRUCTION CONTRACT

OWNER: Water Replenishment District of Southern California

CONTRACTOR: Pacific Hydrotech Corporation

Project No.: 0122412

Project Title: CA AMERICAN ARLINGTON WELL TREATMENT PROJECT

Date: July 18, 2018

Lump Sum Price: $2,065,300.00

Project Owner and Contractor hereby agree as follows:

ARTICLE 1 – WORK

1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described in Specification Section 01010.

ARTICLE 2 – THE PROJECT

2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows: CA AMERICAN ARLINGTON WELL TREATMENT PROJECT

ARTICLE 3 – ENGINEER

3.01 The Project has been designed by VALENTINE ENVIRONMENTAL ENGINEERS, INC.

3.02 The Property Owner has retained VALENTINE ENVIRONMENTAL ENGINEERS, INC. (“Engineer”) to act as Project and Property Owner’s Representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

ARTICLE 4 – CONTRACT TIMES

4.01 Time of the Essence

A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.
4.02  **Contract Times: Days**

A. The Work will be substantially completed within **200 days** after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within **230 days** after the date when the Contract Times commence to run. Substantially complete is defined as having a fully tested and operational Granular Activated (GAC) treatment system as described in the Contract Documents.

4.03  **Liquidated Damages**

A. Contractor and Project Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Project and Property Owner will suffer financial and other losses if the Work is not completed and Milestones not achieved within the times specified in Paragraph 4.02 above, plus any extensions thereof allowed in accordance with the Contract. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by Owner(s) if the Work is not completed on time. Accordingly, instead of requiring any such proof, Project Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):

1. **Substantial Completion:** Contractor shall pay Project Owner **$1,000** for each day that expires after the time (as duly adjusted pursuant to the Contract) specified in Paragraph 4.02.A above for Substantial Completion until the Work is substantially complete.

2. **Completion of Remaining Work:** After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Time (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Project Owner **$500** for each day that expires after such time until the Work is completed and ready for final payment.

3. Liquidated damages for failing to timely attain Substantial Completion and final completion are not additive and will not be imposed concurrently.

4.04  **Special Damages**

A. In addition to the amount provided for liquidated damages, Contractor shall reimburse Project Owner (1) for any fines or penalties imposed on Project Owner as a direct result of the Contractor’s failure to attain Substantial Completion according to the Contract Times, and (2) for the actual costs reasonably incurred by Project Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Substantial Completion (as duly adjusted pursuant to the Contract), until the Work is substantially complete.

B. After Contractor achieves Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times, Contractor shall reimburse Project Owner for the actual costs reasonably incurred by Project Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Work to be completed and ready for final payment (as duly adjusted pursuant to the Contract), until the Work is completed and ready for final payment.

**ARTICLE 5 – CONTRACT PRICE**

5.01  Project Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents the amounts indicated in the Bid Form, subject to adjustment under the terms of the Contract.
ARTICLE 6 – PAYMENT PROCEDURES

6.01 Submittal and Processing of Payments

A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Project Owner’s Site Representative as provided in the General Conditions.

6.02 Progress Payments; Retainage

A. Project Owner shall make progress payments on account of the Contract Price on the basis of Contractor’s Applications for Payment during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.

1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Project Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract

   a. 90 percent of Work completed (with the balance being retainage). If the Work has been 50 percent completed as determined by Owners Site Representative, and if the character and progress of the Work have been satisfactory to Project Owner and Engineer, then as long as the character and progress of the Work remain satisfactory to Owner(s) and Engineer, there will be no additional retainage; and

   b. 50 percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).

B. Upon Substantial Completion, Project Owner shall pay an amount sufficient to increase total payments to Contractor to 100-percent of the Work completed, less such amounts set off by Project Owner pursuant to Paragraph 15.01.E of the General Conditions, and less 200-percent of Project Owner’s Site Representative’s estimate of the value of Work to be completed or corrected as shown on the punch list of items to be completed or corrected prior to final payment.

6.03 Final Payment

A. Upon final completion and acceptance of the Work in accordance with Paragraph 15.06 of the General Conditions, Project Owner shall pay the remainder of the Contract Price as recommended by Engineer as provided in said Paragraph 15.06.

ARTICLE 7 – INTEREST

7.01 All amounts not paid when due shall bear interest at the rate of 5-percent per annum.

ARTICLE 8 – CONTRACTOR’S REPRESENTATIONS

8.01 In order to induce Project Owner to enter into this Contract, Contractor makes the following representations:

A. Contractor has examined and carefully studied the Contract Documents, and any data and reference items identified in the Contract Documents.
B. Contractor has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Contractor is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Based on the information and observations referred to in paragraph B, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.

E. Contractor is aware of the general nature of work to be performed by Owner(s) and others at the Site that relates to the Work as indicated in the Contract Documents.

F. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.

G. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

H. Contractor’s entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

ARTICLE 9 – CONTRACT DOCUMENTS

9.01 Contents

A. The Contract Documents consist of the following:
   1. This Agreement (Section 00500)
   2. Performance bond (Section 00610)
   3. Payment bond (Section 00615)
   4. Non-Collusion Affidavit (Section 00650)
   5. General Conditions (Section 00700)
   6. Supplementary General Conditions (Section 00800)
   7. Specifications as listed in the table of contents of the Project Manual
   8. Drawings (not attached but incorporated by reference) consisting of 31 sheets (plus 15 sheets from Addendum No.2) with each sheet bearing the following general title: CA AM Arlington Well Treatment Project.
   9. Addenda (numbers __1__ to __4__, inclusive).
   10. Exhibits to this Agreement (enumerated as follows):
       a. Bid Form (Section 00300).
11. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
   
a. Notice to Proceed.
   
b. Work Change Directives.
   
c. Change Orders.
   
d. Field Orders.

   B. The documents listed in Paragraph 9.01.A are attached to this Agreement (except as expressly noted otherwise above).

   C. There are no Contract Documents other than those listed above in this Article 9.

   D. The Contract Documents may only be amended, modified, or supplemented as provided in the General Conditions.

ARTICLE 10 – MISCELLANEOUS

10.01 Terms

   A. Terms used in this Agreement will have the meanings stated in the General Conditions and the Supplementary Conditions.

10.02 Assignment of Contract

   A. Unless expressly agreed to elsewhere in the Contract, no assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, money that may become due and money that is due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

10.03 Successors and Assigns

   A. Project Owner and Contractor each binds itself, its successors, assigns, and legal representatives to the other party hereto, its successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

10.04 Severability

   A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Project Owner and Contractor, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

10.05 Contractor’s Certifications

   A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 10.05:
1. “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;

2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Project Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Project Owner of the benefits of free and open competition;

3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Project Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and

4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.
IN WITNESS WHEREOF, Project Owner and Contractor have signed this Agreement.

This Agreement will be effective on ________________ (which is the Effective Date of the Contract).

PROJECT OWNER:

Water Replenishment District of Southern California

By: ____________________________

Title: President of the Board of Directors

Attest: ____________________________

Title: Secretary of the Board of Directors

Address for giving notices:

Water Replenishment District of Southern California

4040 Paramount Boulevard

Lakewood, CA 90712

CONTRACTOR:

Title: ____________________________

(If Contractor is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest: ____________________________

Title: ____________________________

Address for giving notices:

License No.: ____________________________

(If Owner is a corporation, attach evidence of authority to sign. If Owner is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of this Agreement.)

NOTE TO USER: Use in those states or other jurisdictions where applicable or required.

++END OF SECTION++
SECTION 00300
BID FORM

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ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

Water Replenishment District of Southern California
4040 Paramount Boulevard
Lakewood, CA, 90712

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Project Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

1.03 Bids shall be submitted in a single, lump-sum amount. The Bid Amount includes full compensation for furnishing all labor, services, materials, tools, and equipment and doing all the work involved to complete the Work included in the Contract Documents. Payment includes incidental items of work not specifically on the plans and specifications but necessary to provide a complete and operational system. No additional compensation will be allowed. No additional compensation will be allowed for any materials, equipment, labor, tools, and supervision that could be reasonably assumed to be required to construct the facilities noted or perform the Work.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of Section 00202, Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Project Owner.

2.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with PROJECT OWNER in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid Form and the Agreement, and in accordance with the other terms and conditions of the Contract Documents.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<table>
<thead>
<tr>
<th>Addendum No.</th>
<th>Addendum Date</th>
<th>Addendum No.</th>
<th>Addendum Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5/14/18</td>
<td>3</td>
<td>5/17/18</td>
</tr>
<tr>
<td>2</td>
<td>5/17/18</td>
<td>4</td>
<td>5/18/18</td>
</tr>
</tbody>
</table>
B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality, all local conditions and to all Laws and Regulations that in any manner may affect cost, progress, performance or furnishing the Work.

D. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.

E. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.

F. Bidder is aware of the general nature of work to be performed by Property Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.

G. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.

H. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.

I. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

J. All communications concerning this Bid must be in written form and shall be addressed to:

Melody Wu, Project Administrator
Water Replenishment of Southern California
ARTICLE 4 – BIDDER’S CERTIFICATION

4.01 Bidder certifies that:

A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;

B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;

C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and

D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:

1. “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;

2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Project Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Project Owner of the benefits of free and open competition;

3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Project Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and

4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.
### ARTICLE 5 - BASIS OF BID

5.0 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

<table>
<thead>
<tr>
<th>PROJECT NO.</th>
<th>SCHEDULE OF BID ITEMS</th>
<th>BID CALL NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ITEM</strong></td>
<td><strong>ITEM DESCRIPTION</strong></td>
<td><strong>UNITS</strong></td>
</tr>
<tr>
<td>1</td>
<td>PRE-CONSTRUCTION ACTIVITIES &amp; COMMUNITY OUTREACH</td>
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</tr>
<tr>
<td>2</td>
<td>PERMITS</td>
<td>ALLOW</td>
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<tr>
<td>3</td>
<td>PRE-CONSTRUCTION GENERAL OVERHEAD</td>
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<td>4</td>
<td>MOBILIZATION/DEMOBILIZATION</td>
<td>LS</td>
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<tr>
<td>5</td>
<td>SAFETY AND ENVIRONMENTAL EXCLUSION FENCING</td>
<td>LS</td>
</tr>
<tr>
<td>6</td>
<td>STAKING/SURVEYING/AS-BUILT DRAWINGS</td>
<td>LS</td>
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<tr>
<td>7</td>
<td>TRAFFIC CONTROL</td>
<td>LS</td>
</tr>
<tr>
<td>8</td>
<td>PROVIDE AND INSTALL CONCRETE EQUIPMENT SLAB AND MISCELLANEOUS EQUIPMENT PADS</td>
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<td>9</td>
<td>PROVIDE AND INSTALL PRE-FABRICATED CONCRETE SUMP</td>
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<td>PROVIDE AND INSTALL IRRIGATION CONTROLLER, VALVES, BUBBLERS, TUBING, AND METER BOX</td>
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<td>11</td>
<td>PROVIDE AND INSTALL NEW LANDSCAPING AS SHOWN ON PLANS</td>
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<tr>
<td>12</td>
<td>PROVIDE AND INSTALL 8-INCH AND 12-INCH BELOW GRADE PIPING SYSTEM (DUCTILE IRON)</td>
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<tr>
<td>13</td>
<td>PROVIDE AND INSTALL 8-INCH FLOW METERS</td>
<td>EA</td>
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<tr>
<td>14</td>
<td>PROVIDE AND INSTALL 8-INCH GATE VALVES</td>
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<td>PROVIDE AND INSTALL 12-INCH GATE VALVES</td>
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<td>16</td>
<td>PROVIDE AND INSTALL 12-INCH BUTTERFLY VALVE</td>
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<td>17</td>
<td>PROVIDE AND INSTALL PRESSURE GAUGES, SWITCHES, AND TRANSMITTERS</td>
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<td>18</td>
<td>PROVIDE AND INSTALL CHEMICAL STORAGE TANK AND SOLENOID VALVES</td>
<td>LS</td>
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<tr>
<td>19</td>
<td>PROVIDE AND INSTALL CHLORINE INJECTION AND SAMPLING PIPING</td>
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<td>PROVIDE AND INSTALL NITRATE ANALYZER AND APPURTENANCES</td>
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<td>21</td>
<td>PROVIDE AND INSTALL NEW FENCING</td>
<td>LS</td>
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<td>22</td>
<td>PROVIDE AND INSTALL TREATMENT VESSELS, ABOVE GRADE STEEL EPOXY LINED PIPING AND APPURTENANCES, BAG FILTERS AND APPURTENANCES, GAC MEDIA AND APPURTENANCES</td>
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<td>23</td>
<td>PROVIDE AND INSTALL NEW WELL PUMP, MOTOR, SOUND ENCLOSURE AND APPURTENANCES</td>
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<td>24</td>
<td>PROVIDE AND INSTALL 8-INCH FLOW CONTROL VALVE WITH ORIFICE PLATE</td>
<td>EA</td>
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<td>25</td>
<td>TESTING AND DISINFECTION</td>
<td>LS</td>
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<tr>
<td>26</td>
<td>PROVIDE AND INSTALL NEW ELECTRICAL ENCLOSURES, CONDUIT, WIRING AND APPURTENANCES</td>
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<tr>
<td>27</td>
<td>PROVIDE AND INSTALL PIPE SUPPORTS</td>
<td>LS</td>
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<tr>
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<td>DEMOLITION</td>
<td>LS</td>
</tr>
<tr>
<td>29</td>
<td>ALL OTHER WORK</td>
<td>LS</td>
</tr>
</tbody>
</table>

**TOTAL BASE BID:** $2,065,300

**Bid Alternate:**

A PROVIDE AND INSTALL TREATMENT VESSELS, ABOVE GRADE CEMENT MORTAR LINED PIPING AND APPURTENANCES, BAG FILTERS AND APPURTENANCES, GAC MEDIA AND APPURTENANCES

**TOTAL BID WITH BID ALTERNATE A:** $2,068,600

**NAME OF FIRM:** PACIFIC HYDROTECH CORP

**SIGNATURE:** (OFFICER OF COMPANY)

**TWO MILLION SIXTY FIVE THOUSAND THREE HUNDRED DOLLARS** [IN WRITING]

**AND** **ZERO CENTS** [IN WRITING]
Two Million Sixty Five Thousand Three Hundred Dollars
(Total Base Bid Amount In Words)

Two Million Sixty Three Thousand Three Hundred Dollars
(Total Bid Amount With Bid Alternate A In Words)

Bid Item scopes per Section 01200, Measurement and Payment.
Bidder agrees to complete the Work for the Bid Amount indicated in this Bid Form. The Bid Amount includes all costs for furnishing to the PROJECT OWNER all materials, equipment, and supplies and for all costs incurred in completing the Work including installation of all materials, equipment, and supplies furnished, complete in place and ready for continued service, all other labor, permit fees, taxes, insurance, miscellaneous costs, overhead and profit.

ARTICLE 6 – TIME OF COMPLETION

6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of days indicated in the Agreement.

6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

7.01 The following documents are submitted with and made a condition of this Bid:
   A. Bid Bond 00410;
   B. General Contractor Questionnaire 00430;
   C. Authority Execute Bid and Contract 00435;
   D. Non-Collusion Affidavit 00650;
   E. Evidence of Contractor’s license.

ARTICLE 8 – DEFINED TERMS

8.01 The terms used in this Bid Form have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.
PACIFIC HYDROTECH CORPORATION

CORPORATE RESOLUTION

RESOLVED, that J Kirk Harms has the authority to sign contracts on behalf of the corporation.

January 26, 2017

AUTHORIZED SIGNATURES

J Kirk Harms, President

Sean Finnegam, Vice President

Bobby Owens, Vice President

Dale McKay

Joselito Quinto, Vice President

Mary White, Vice President

Christy L Harms, Secretary

Sean J Harms, CFO
ARTICLE 9 – BID SUBMITTAL

Sole Proprietorship:

By: ________________________________

(SEAL) Individual’s Name

Doing business as: ________________________________

Business address: ______________________________________

____________________________________

Phone Number: ________________________________

Partnership:

By: ________________________________

(SEAL) Firm Name

____________________________________

General Partner

Business address: ______________________________________

____________________________________

Phone Number: ________________________________
Water Replenishment District of Southern California
CA AM Arlington Well Treatment Project

Issued for Bid

Corporation:

By: PACIFIC HYDROTECH CORPORATION
(SEAL) Corporation Name

__________________________________________
CALIFORNIA State of Incorporation

By: _______________________________________
Name of person authorized to sign

Title

(CORPORATE SEAL)

Attest: Christy J. Haas Secretary

Business address: 314 E 3rd St.
PERRIS, CA 92570

Phone Number: 951-943-8803
Joint Venture:

By: ____________________________________________

Name

Address: _______________________________________

_____________________________________________

_____________________________________________

By: ____________________________________________

Name

Address: _______________________________________

_____________________________________________

_____________________________________________

(Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above).

++END OF SECTION++
DATE: JULY 10, 2018

TO: GROUNDWATER QUALITY (GWQ) COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: SAFE DRINKING WATER PROGRAM - DISADVANTAGED COMMUNITIES OUTREACH PILOT PROGRAM UPDATE

SUMMARY
The District administers the Safe Drinking Water Program (SDWP) which provides grant or loan assistance to basin pumpers for wellhead treatment to remove contaminants and improve water quality. The Grant Program provides treatment for removing groundwater contaminants from man-made sources (e.g. Volatile Organic Compounds); whereas the Loan Program provides 10-year, zero-interest loans for providing water treatment to remove unacceptable levels of contaminants from natural sources (e.g. iron, manganese, and arsenic).

In 2016, the District approved three wellhead treatment projects as part of the Safe Drinking Water Program: California American Water Arlington Well, Huntington Park Well 15, and Lynwood Well 11. The wellhead treatment system at all three wells will consist of a complete granular activated filtration system built within the boundaries of the existing well sites owned and operated by the water systems. In addition, as part of Assembly Bill No. 240, the District was designated to manage and implement a water quality improvement project in the City of Maywood. The appropriated funds were assigned to the Maywood Avenue Wellhead treatment project for iron and manganese removal.

Safe Drinking Water Pilot Program
As an extension of the District’s Safe Drinking Water Program, the District approved the creation of the Safe Drinking Water Disadvantage Communities (DAC) Pilot Program. The goal of this program is to assist water systems located in disadvantaged communities within the District’s service area with state and federal funding to address the issues related to their drinking water wells. The focus of the program is to provide technical assistance and extensive outreach to help the systems secure funding that is
set aside specifically for disadvantaged communities. Currently there are eight water systems participating in the program and receiving assistance: City of Bell Gardens, City of Compton, City of Huntington Park and City of Lynwood, Maywood Mutual Water Company No. 2, Maywood Mutual Water Company No. 3, Sativa LA County Water District and Tract 180 Mutual Water District.

**Safe Drinking Water Program Outreach Efforts**
Outreach efforts continue as staff is preparing follow-up outreach to cities, particularly disadvantaged communities, to schedule presentations for upcoming city council meetings to further explain WRD’s programs.

**FISCAL IMPACT**
No impact.

**STAFF RECOMMENDATION**
The Groundwater Quality Committee receive and file the report.
MEMORANDUM
ITEM NO. 5

DATE: JULY 10, 2018

TO: GROUNDWATER QUALITY (GWQ) COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: SAFE DRINKING WATER OUTREACH UPDATE

SUMMARY
The District administers an ongoing Safe Drinking Water Outreach Program aimed at providing cities, pumpers, and local legislators information about WRD’s grant and loan assistance programs for wellhead treatment to protect and improve water quality. District staff participate in outreach activities and education campaigns to inform the public and elected representatives about the efforts WRD takes to ensure safe drinking water and to provide necessary resources to interested parties.

FISCAL IMPACT
None at this time.

STAFF RECOMMENDATION
For discussion and possible action.
MEMORANDUM
ITEM NO. 6

DATE: JULY 10, 2018

TO: GROUNDWATER QUALITY (GWQ) COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: ENVIRONMENTAL SITES REVIEW

SUMMARY

WRD continues to take an active role in groundwater quality protection, cleanup, and investigation. As part of its Groundwater Contamination Prevention Program, WRD established the Central and West Coast Basin Groundwater Contamination Forum, a data-sharing and discussion forum with key stakeholders that include various cities, water purveyors, the United States Environmental Protection Agency (EPA), California Department of Toxic Substances Control (DTSC), Los Angeles Regional Water Quality Control Board (RWQCB), State Water Resources Control Board Division of Drinking Water (DDW), United States Geological Survey (USGS), and California Department of Water Resources (DWR).

In 2005, the stakeholders drafted and signed a Memorandum of Understanding (“MOU”) agreeing to meet regularly and share data on major groundwater contaminated sites within the Central Basin and West Coast Basin. WRD acts as the meeting coordinator and data repository/distributor, helping stakeholders to characterize the extent of contamination to identify pathways for contaminants in shallow aquifers to reach deeper drinking water aquifers and develop optimal methods for remediating contaminated groundwater. The overall purpose of the Forum is to expedite the cleanup of these major contaminated sites in the basins.

With the cooperation and support of all stakeholders in the Groundwater Contamination Forum, WRD developed a list of high-priority groundwater contaminated sites (“environmental sites”) located within the District. This list is a living document, subject to cleanup and “closure” of sites, as well as discovery of new sites warranting further
attention. Currently, the list includes 49 sites located throughout the Central Basin and West Coast Basin. The list was developed based on the following criteria:

- Site location and hydrogeology
- Distance to nearest drinking water well
- Depth to shallowest water-supply aquifer beneath site
- Concentration of detected contaminants
- Fate and transport of detected contaminants
- Presence of contamination in nearby drinking water wells
- Status of site characterization with respect to groundwater contamination
- Status of site remediation with respect to groundwater contamination
- Stage of regulatory agency involvement

WRD works in close consultation with the lead regulatory agencies for each of these sites to provide data and technical support to facilitate site characterization and expedite cleanup. An update is provided below for Chrome Crankshaft and JS Chrome Plating (City of Bell Gardens in the Central Basin).

**CHROME CRANKSHAFT (BELL GARDENS, CENTRAL BASIN)**

The site operated as a chrome plating facility between 1963 and 1999. In 1999, the owner changed its name to Locomotive Air Services, Inc. (LASI). LASI serviced and refurbished locomotive air conditioning equipment at the site until 2001. By January 2004, site facilities and equipment were removed, including buildings, plating equipment, an underground storage tank, a clarifier, and multiple above ground storage tanks (ASTs). The site is vacant, covered by asphalt, and work is overseen by the DTSC.

Soil and groundwater are impacted with various metals with a primary focus on total chromium and hexavalent chromium (Cr+6). The area also has low level detections of various volatile organic compounds (primarily tetrachloroethene [PCE] and trichloroethene [TCE]). Site remediation has occurred in multiple phases including a source area soil excavation that removed 8,358 tons of impacted soil (2008) and groundwater treatment focusing on Cr+6 (since 2009). The groundwater remedy includes hydraulic containment via groundwater extraction and in-situ chemical oxidation using calcium polysulfide (CPS). The CPS is delivered to the subsurface via an on-site infiltration gallery and also along multiple perpendicular transects placed along the entire plume length, which extends down-gradient approximately ¾ mile. Groundwater impacts are present at a depth of approximately 100 feet below ground surface (ft bgs).

Groundwater generally flows towards the northwest beneath and down-gradient of the Site. The nearest active potable water supply well is located within approximately 1,500 feet (Well No. 1) and is owned by the City of Bell Gardens. Site related constituents have not been detected in the water supply well through February 2018. However, low level detections of chromium and Cr+6 (below regulatory standards) have been
detected in another water supply well 4,800 feet to the northwest (Well Gage 2; Golden State Water Company).

JS CHROME PLATING (BELL GARDENS, CENTRAL BASIN)

The site also operated as a plating facility (chrome, zinc, and cadmium) from 1953 through 1991. All facility structures (including unlined wash pits, tanks, clarifier, equipment, etc.) were removed from the site and impacted soils were either removed from the site or treated with sodium metabisulfate (NaHSO3) or ferrous sulfate (FeS04) primarily to remediate Cr+6 (generally between 1981 and 2007). The site is vacant, covered by asphalt, and work is overseen by the DTSC.

Site remediation has occurred in multiple phases including a source area soil excavation that removed 9,424 tons of impacted soil (2008) and groundwater treatment focusing on Cr+6 (since 2009). A combined groundwater remedy is being implemented (details provided above) with Chrome Crankshaft.

FISCAL IMPACT

None at this time.

STAFF RECOMMENDATION

For discussion only.
### Chrome Crankshaft and JS Chrome Plating (City of Bell Gardens, Central Basin)

#### Key Indicator Compounds in Groundwater (Results shown in µg/L - August 2014)

<table>
<thead>
<tr>
<th>Chemical</th>
<th>MCL</th>
<th>Maximum Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cr(^{+6})</td>
<td>---</td>
<td>7,400 at EL4-3 [Historically, 12,000 at EL3-3 (Nov 2011)]</td>
</tr>
<tr>
<td>PCE</td>
<td>5</td>
<td>6.5 at BGMW-1 [Historically, 11 at BGMW-1 (Nov 2011)]</td>
</tr>
<tr>
<td>TCE</td>
<td>5</td>
<td>12 at BGMW-1 [Historically, 17 at BGMW-1 (Nov 2011)]</td>
</tr>
</tbody>
</table>

Groundwater monitoring for both sites reduced to five key performance monitoring wells BGMW-1, BGMW-5, EL3-3, EL4-3, and JSMW-12. Wells have been dry due to declining groundwater since December 2014.


#### Common Acronyms:

- **PCE** = Tetrachloroethene
- **TCE** = Trichloroethene
- **DCE** = Dichloroethene
- **DCA** = Dichloroethane
- **TCA** = Trichloroethane
- **Cr\(^{+6}\)** = Hexavalent Chromium

- **MTBE** = Methyl Tertiary Butyl Ether
- **TBA** = Tertiary Butyl Alcohol
- **LNAPL** = Light Non-Aqueous Phase Liquid
- **TPH** = Total Petroleum Hydrocarbons
- **µg/L** = Micrograms per Liter

- **MCL** = Maximum Contaminant Level
- **FT BGS** = Feet Below Ground Surface
- **ND** = Not Detected
- **FT** = Feet
- **NL** = Notification Level
- **Level**