



**ADDENDUM NO. 1
TO THE**

**David C. McCollom Water Treatment Plant pH Control System Project
for Olivenhain Municipal Water District**

September 24, 2021

The following addendum shall be made part of the Bidding Opportunity. **The deadline for submitting proposals REMAINS UNCHANGED at 2:00 p.m. Thursday October 21, 2021 at 1966 Olivenhain Road, Encinitas, CA 92024.**

ADDENDUM SECTION 1 – REVISIONS

1. Table of Contents - **REMOVE** Table of Contents **REPLACE** with Table of Contents-Revised
2. Bid Form - **REMOVE** Bid Form **REPLACE** with Bid Form-Revised
3. Section 00810 Special Provisions - **REMOVE** Section 00810 Special Provisions
REPLACE with Section 00810 Special Provisions-Revised
4. Section 01000 Summary of Work - **REMOVED** Section 01000 Summary of Work
REPLACE with Section 01000 Summary of Work-Revised

END OF ADDENDUM NO. 1

Attachments: Table of Contents-Revised
Bid Form-Revised
Section 00810 Special Provisions-Revised
Section 01000 Summary of Work-Revised

APPROVED:

OLIVENHAIN-MUNICIPAL WATER DISTRICT

Geoff Fulks
Operations Manager

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REFERENCE STANDARDS

Olivenhain Municipal Water District, Standard Specifications and Drawings for the Construction of Water, Recycled Water, and Sewer Facilities, Latest Edition.

Standard Specifications for Public Works Construction, "Greenbook", Latest Edition.

San Diego Regional Standard Drawings (Latest Edition).

PROJECT PLANS

Construction Drawings for the David C. McCollom Water Treatment Plant pH Control System Project (28 Sheets).

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BID FORM-REVISED

**PROPOSAL TO
OLIVENHAIN MUNICIPAL WATER DISTRICT
SAN DIEGO COUNTY, CALIFORNIA**

FOR THE CONSTRUCTION OF

DAVID C. McCOLLOM WATER TREATMENT PLANT pH CONTROL SYSTEM PROJECT

Name of Bidder: _____

Business Address: _____

_____ Phone No.: _____

TO THE GOVERNING BODY OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT

Pursuant to and in compliance with your Notice Inviting Sealed Proposals (Bids) and the other documents relating thereto, the undersigned Bidder, being fully familiar with the terms of the Contract Documents, local conditions affecting the performance of the Contract, the character, quality, quantities, and scope of the work, and the cost of the work at the place where the work is to be done, hereby proposes and agrees to perform within the time stipulated in the Contract, including all of its component parts and everything required to be performed, and to furnish any and all of the labor, material, tools, equipment, transportation, services, permits, utilities, and all other items necessary to perform the Contract and complete in a workmanlike manner, all of the work required in connection with the construction of said work all in strict conformity with the Plans and Specifications and other Contract Documents, including Addenda Nos. __, __ and __ for the prices hereinafter set forth.

The undersigned as Bidder, declares that the only persons or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion with any person, firm, or corporation; and he proposes and agrees, if the proposal is accepted, that he will execute a Contract with the Owner in the form set forth in the Contract Documents.

BIDDING INSTRUCTIONS
FOR THE CONSTRUCTION OF

DAVID C. McCOLLOM WATER TREATMENT PLANT pH CONTROL SYSTEM PROJECT

Prior to the opening of bids, all questions relative to this project shall be directed to the Owner. Bidders are encouraged to submit their pre-bid questions as early as possible, in writing by fax or mail, so they can be answered in writing through addendum, if necessary. Questions may be taken verbally; however, written questions will be given priority, and verbal questions run the risk of not being answered. Pre-bid questions will be received up to **5:00 p.m., October 14, 2021**, after which they will not be answered.

Bidders shall have a minimum of five (5) years of successful prior experience performing the type of work required by this Contract. Bidders failing to demonstrate this experience may be rejected as nonresponsive at the option of the Owner.

Bidders agree to obtain and maintain in full effect all required insurance with limits not less than the amounts indicated. Insurers must be authorized to do business and have an agent for service of process in California, have an "A" policyholder's rating and a financial rating of at least Class VI in accordance with the most current rating by A.M. Best Company. Bidders who fail to comply with the insurance requirements of this Contract may have their bids rejected as nonresponsive at the election of the Owner.

The Bidder's attention is directed to Article 3-1 "Award of Contract or Rejection of Bids" in the General Provisions concerning the above conditions.

If the bid schedule is not completely filled in, the bid will be determined to be non-responsive and will be rejected. The Owner reserves the right to reject any and all bids, to waive any irregularity in the bids received and to award the Contract on the basis of the responsive bids.

Bidders must satisfy themselves as to the character of the work to be performed by examination of the site and review of the Contract Documents. After bids have been submitted, the Bidder expressly waives the right to assert that there was a misunderstanding concerning the nature of the work to be done. Any bid protests must be submitted within three (3) calendar days of the bid.

The Contract Documents contain the provisions required for the construction of the Project. Information obtained from an officer, agent, or employee of the Owner or any other personnel shall not affect the risks or obligations assumed by the Contractor, or relieve him from fulfilling any of the conditions of the Contract.

Bids shall be submitted on the Bid Form and Bid Bond included within these Contract Documents. Bidders shall designate the subcontractors and list the manufacturers of materials to be used in the Project on the Designation of Subcontractors form included with these Contract Documents. All subcontractors listed to perform any of the work must be licensed in the State of California. No single subcontractor may perform more than 25% of the work listed in the Bid Schedule unless specifically approved in advance by the District prior to the submission of bids. The Owner reserves the right to find a bid non-responsive in its sole discretion if a Bidder lists any unlicensed subcontractors to perform any of the work. Submit with the bid the completed Certificate of Drug-Free Workplace, Certificate of Nondiscrimination, Noncollusion Affidavit, Designation of Subcontractors, Bidder's Experience, and Insurance Acknowledgment included in the Bid Form. Completely fill out the one page Bid Form Checklist included in front of the Table of Contents and include it with the bid. The Owner reserves the right to find a bid non-responsive in its sole discretion if a Bidder fails to complete or include any of the aforementioned certificates or acknowledgements.

BID SCHEDULE

DAVID C. McCOLLOM WATER TREATMENT PLANT pH CONTROL SYSTEM PROJECT

The pay items listed in each Bid Schedule are described in Specification Section 01025 – Measurement and Payment.

BID SCHEDULE

Item	Item Description	Quantity	Unit	Amount
1.	Mobilization, Demobilization, Bonds, Permits, Insurance, & Cleanup for all work required under this Bid Schedule	1	LS	\$ _____
2.	Citric Acid System Improvements	1	LS	\$ _____
3.	Caustic Feed System Improvements	1	LS	\$ _____
4.	Removal and Reinstallation of Chemical Storage Area Roof	1	LS	\$ _____
5.	Chemical Storage Area Site Improvements	1	LS	\$ _____
6.	Raw Water Chemical Injection Containment Vault Improvements	1	LS	\$ _____
7.	Chemical Feed Systems Electrical and Instrumentation Improvements	1	LS	\$ _____
8.	Start-up, Commissioning, and Operator Training	1	LS	\$ _____
				Bid Schedule Total \$ _____

TOTAL AMOUNT OF BID SCHEDULE (IN FIGURES)

TOTAL AMOUNT OF BID SCHEDULE (IN WORDS)

DESIGNATION OF SUBCONTRACTORS

In compliance with the provisions of Section 4100-4114 of the Public Contract Code of the State of California, and any amendments thereof, each Bidder shall set forth below, the name, license number, and location of the mill, shop or office of each subcontractor who will perform work or labor, or render service to the Contractor in an amount in excess of one-half (1/2) of one (1) percent (0.5%) of the total bid, and the portion of the work which will be done by each subcontractor. All subcontractors listed must be licensed to perform the subcontract work in the State of California. No single subcontractor may perform work in excess of 25% of the total work listed in the Bid Schedule unless specifically approved by the District in advance of submission of the Bid. Bidders who list any unlicensed subcontractors on this form may have their bid rejected as non-responsive in the sole discretion of Owner.

If the Bidder fails to specify a subcontractor for any portion of the work in excess of one-half (1/2) of one (1) percent (0.5%) of the total bid to be performed under the Contract, he shall be deemed to have agreed to perform such portion himself, and he shall not be permitted to subcontract that portion of the work except under conditions permitted by law.

Subletting or subcontracting any portion of the work as to which no subcontractor was designated in the original bid shall only be permitted in case of public emergency or necessity, or otherwise permitted by law, and then only after a finding is reduced to writing as a public record of the Owner.

Trade	% of Work To Be Done	Name of Subcontractor	License Number	Address

LISTING OF MANUFACTURERS

The Contractor shall submit this sheet with his bid, completed, to list the manufacturers of materials he intends to use. It shall be understood that where the Contractor elects to not use the material manufacturers called for in the Specifications, he will substitute only items of equal quality, durability, functional character, and efficiency as determined and approved by the Owner. The Contractor should ascertain the acceptability of substitutes prior to bidding. Only one manufacturer shall be listed for each item.

Item or Material	Manufacturer

Substitutions shall be allowed only if requested in accordance with Article 5-10 of the General Provisions within 35 calendar days of the date the Contract is awarded. Should a substitution be allowed, there will be no increase in the amount of the bid originally submitted.

ACCOMPANYING THIS PROPOSAL IS

(insert the words "cash", "a cashier's check", "a certified check", or "a Bidder's bond" as the case may be) in an amount equal to at least 10 percent of the total amount of the Bid, payable to the

OLIVENHAIN MUNICIPAL WATER DISTRICT

The undersigned deposits the above-named security as a proposal guarantee and agrees that it shall be forfeited to the Owner as liquidated damages in case this proposal is accepted by the Owner and the undersigned fails to execute a contract with the Owner as specified in the Contract Documents or fails to furnish the required payment and performance bonds, and insurance certificates and endorsements. Should the Owner be required to engage the services of an attorney in connection with the enforcement of this bid, Bidder promises to pay Owner's reasonable attorneys' fees, incurred with or without suit.

The names of all persons interested in the foregoing proposals as principals are as follows: (NOTICE - If Bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer, and manager thereof; if a general partnership, state true name of firm, also names of all individual partners composing firm; if a limited partnership, the names of all general partners and limited partners; if Bidder or other interested person is an individual, state first and last names in full; if the Bidder is a joint venture, state the complete name of each venturer).

The Owner has determined the license classification necessary to bid and perform the subject contract. In no case shall this Contract be awarded to a specialty contractor whose classification constitutes less than a majority of the project. When a specialty contractor is authorized to bid a portion of the work of this contract, all work to be performed outside of the contractor's license specialty, except work specifically authorized by the Owner, shall be performed by a licensed subcontractor in compliance with the Subletting and Subcontracting Fair Practices Act commencing with Section 4100 et seq., of the Public Contract Code. See Business and Professions Code Section 7059.

The Contractor's license classification(s) required for this project are as follows:

CLASS A – GENERAL ENGINEERING

It is the Owner's intent that "plans," as used in Public Contract Code Section 3300, is defined as the construction Contract Documents, which include both the Plans and the Specifications.

Bidder warrants and represents that it has at least five (5) years of successful experience performing the type of work required by this Contract.

Bidder warrants and represents, under penalty of perjury, that license(s) required by California State Contractor's License Law for the performance of the subject project are in full effect and proper order. Bidders must state, under penalty of perjury, the Contractor's applicable license classification, license number, license expiration date, name of license holder, and relationship to Bidder. Any bid not containing this information may be considered nonresponsive and may be rejected by the Owner.

Bidders relying upon licenses of Responsible Managing Employees (RME) or Responsible Managing Officers (RMO) agree to provide the Owner with all information it determines necessary to verify that the Bidder complies with California State Contractor's License Law.

License Classification: _____

License Number: _____

Expiration Date: _____

Name of License Holder: _____

Relationship to Bidder: _____

Name of Bidder: _____

Signatures: _____

Dated: _____, 20____

NOTE: If Bidder is a corporation, the legal name of the corporation shall be set forth above, together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation and the corporate seal; if Bidder is a partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership; if the Bidder is an individual, his signature shall be placed above; if the Bidder is a joint venture, the name of the joint venture shall be set forth above with the signature of an authorized representative of each venturer.

CERTIFICATE OF DRUG-FREE WORKPLACE

BIDDER: _____

The Bidder named above hereby certifies compliance with Government Code Section 8355 in matters relating to providing a drug-free workplace. The above named Bidder will:

1. Publish a statement notifying employees that unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited and specifying actions to be taken against employees for violations, as required by Government Code Section 8355(a).
2. Establish a Drug-Free Awareness Program as required by Government Code Section 8355(b), to inform employees about all of the following:
 - (a) The dangers of drug abuse in the workplace,
 - (b) The person's or organization's policy of maintaining a drug-free workplace,
 - (c) Any available counseling, rehabilitation and employee assistance programs, and
 - (d) Penalties that may be imposed upon employees for drug abuse violations.
3. Provide as required by Government Code Section 8355(c), that every employee who works on the proposed contract or loan:
 - (a) Will receive a copy of the company's drug-free policy statement, and
 - (b) Will agree to abide by the terms of the company's statement as a condition of employment on the contract or loan.

CERTIFICATION

I, the official named below, hereby swear that I am duly authorized legally to bind the Bidder to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.

OFFICIAL'S NAME: _____

DATE EXECUTED: _____ EXECUTED IN COUNTY OF: _____

OFFICIAL'S SIGNATURE: _____

TITLE: _____

CERTIFICATE OF NONDISCRIMINATION

1. During the performance of this contract, Bidder and its subcontractors shall not unlawfully discriminate against any employee or applicant for employment because of race, religion, color, national origin, ancestry, physical handicap, medical condition, marital status, age (over 40) or sex. Bidders and subcontractors shall insure that the evaluation and treatment of their employees and applicants for employment are free of such discrimination. Bidder and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 12900 et seq.) and the applicable regulations promulgated thereunder (California Administrative Code, Title 2, Section 7285.0 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code, Section 12900, set forth in Chapter 5 of Division 4 of Title 2 or the California Administrative Code are incorporated into this contract by reference and made a part hereof as if set forth in full. Bidder and its subcontractor shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement.
2. This Bidder shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the contract.

THE UNDERSIGNED CERTIFIES THAT THE BIDDER WILL COMPLY WITH THE ABOVE REQUIREMENTS.

BIDDER NAME: _____

CERTIFIED BY:

NAME: _____ TITLE: _____

SIGNATURE: _____ DATE: _____

NONCOLLUSION AFFIDAVIT

State of _____)
) ss.
County of _____)

I, _____, being duly sworn,
deposes

and says that he or she is _____ of

_____, the party making the
foregoing

bid, that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference, with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof the effectuate a collusive or sham bid.

Signature of Bidder: _____

Subscribed and sworn to before me on this _____ day of _____, 20__.

BIDDER'S EXPERIENCE

Name of Bidder: _____

License Number: _____

List a minimum of five (5) similar projects successfully completed by the Bidder during the last five (5) years. Projects not similar in scope, fee, and complexity will not be considered as representative of this project.

Project Name and Location	Project Owner's Name, Address & Telephone No.	Date Completed
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I declare, under penalty of perjury, that the foregoing is true and correct.

Dated: _____, 20____

(Signature of Bidder)

INSURANCE ACKNOWLEDGMENT

On behalf of the Bidder making this proposal, the undersigned warrants and represents that the Bidder has carefully read and understood all of the insurance requirements of the Contract Documents and has included the full cost of providing insurance meeting all requirements of the Contract Documents in the bid.

Upon request by Owner prior to the time of Award, the Bidder agrees to promptly provide Owner with letters from insurance companies meeting the requirements of the Contract Documents verifying that they are prepared to issue insurance to Bidder meeting all requirements of the Contract Documents. The failure of Bidder to provide Owner with this proof of insurance prior to the time of Award shall entitle Owner to reject the Bidder's bid as nonresponsive and to Award the bid to the next lowest Bidder at the sole discretion of Owner.

The failure of Bidder to provide Owner with insurance meeting all requirements of the Contract Documents within 15 calendar days after the Award, shall constitute a material breach of the Contract, entitling Owner to terminate the Contract and call the bid bond.

By dating and executing this Insurance Acknowledgment, Bidder hereby accepts all terms and conditions of this Insurance Acknowledgment and agrees to be bound by all of its terms.

Dated: _____, 20__

(Name of Bidder)

(Signature)

(Typed Name and Title)

SECTION 00810 – SPECIAL PROVISIONS-REVISED

1.01 DEFINITIONS

Whenever the following terms occur in the Contract Documents, the meaning shall be interpreted as follows:

ATTORNEY FOR Owner – Alfred E. Smith, Nossaman LLP, 777 South Figueroa Street, 34th Floor, Los Angeles, CA 90017, (213) 612-7831

BOARD OF DIRECTORS - Board of Directors of the Olivenhain Municipal Water District.

CONTRACT TIME – The number of consecutive days stated in the contract documents commencing from the date of the notice of award, for completion of the Work.

DATE OF AWARD OF CONTRACT - The date of the District Resolution (formal action of the Board of Directors of the District) awarding the Contract.

DISTRICT - Olivenhain Municipal Water District (OMWD), David C. McCollom Water Treatment Plant, 19090 Via Ambiente Road, Escondido, California 92029, (760) 740-1385.

DISTRICT'S REPRESENTATIVE - The Owner's Representative.

DRAWINGS or PLANS – Construction drawings entitled, “**DAVID C. MCCOLLOM WTP PH CONTROL SYSTEM PROJECT**” and referenced Standard Drawings or Regional Standard Drawings.

ENGINEER / DESIGN ENGINEER – Dudek, 605 Third Street, Encinitas, CA 92024, Tel: (760) 942.5147.

OWNER - Olivenhain Municipal Water District (OMWD), David C. McCollom Water Treatment Plant, 19090 Via Ambiente Road, Escondido, California 92029, (760) 740-1385; Fax: (760) 740-1702.

OWNER'S REPRESENTATIVE - The person or engineering/architectural firm authorized by the District to represent it during the performance of the work and until final acceptance. The Owner's Representative is referred to throughout the Contract Documents as if singular in number and masculine in gender. The Owner's Representative means the Owner's Representative and his assistants.

PUBLIC WORKS SPECIFICATIONS – Latest edition of the Standard Specifications for Public Works Construction by APWA/AGC, the latest edition of the "GREENBOOK" with Regional Supplement Amendments.

REGIONAL STANDARD DRAWINGS – Standard Drawings for Agencies in the San Diego Region as recommended by the Regional Standards Committee and published by the San Diego County Department of Public Works, (latest version).

SPECIAL PROVISIONS - Section 00810 of the specifications.

SPECIFICATIONS - Division 1 to 17 of the technical specifications contained in these Contract Documents, and those technical specifications contained in the Drawings.

STANDARD DRAWINGS - Drawings A-1.1 through G-13 of the Olivenhain Municipal Water District, Standard Specifications and Drawings for the Construction of Water, Recycled Water, and Sewer Facilities, dated June 2008, with revisions.

STANDARD SPECIFICATIONS - Divisions 1 through 15 of the Olivenhain Municipal Water District, Standard Specifications and Drawings for the Construction of Water, Recycled Water, and Sewer Facilities, dated June 2008, with revisions.

STATE STANDARD SPECIFICATIONS - State of California, Department of Transportation, Standard Specifications, May 2006, Caltrans.

STATE STANDARD PLANS - State of California, Department of Transportation, Standard Plans, May 2006, Caltrans.

Whenever the following terms appear in the State Standard Specifications or Public Works Specifications, the meaning shall be interpreted as follows:

AGENCY, BOARD or DEPARTMENT - The Owner.

ENGINEER - The Owner's Representative.

1.02 TERMS

Command type sentences used in the Contract Documents refer to and are directed to the Contractor.

1.03 ABBREVIATIONS

Interpret abbreviations used on the Drawings and in the Specifications as explained on the Drawings.

1.04 MARKING AND ADDRESSING BID ENVELOPE

Bids shall be made on the Bid Form and Bid Bond included within the Contract Documents. Complete and include the Bid Form Checklist together with the completed Bid Form and Bid Bond when submitting a bid. Seal the Contract Documents with the filled out bid in an envelope marked and addressed as follows:

BID FOR CONSTRUCTION OF:

DAVID C. MCCOLLOM WTP PH CONTROL SYSTEM PROJECT

OLIVENHAIN MUNICIPAL WATER DISTRICT

Attention: Geoff Fulks, Water Treatment Facilities Supervisor

David C. McCollom Water Treatment Plant, 19090 Via Ambiente Road,
Escondido, California 92029

1.05 AWARD OF CONTRACT OR REJECTION OF BIDS

Within a period of 60 calendar days after the opening of bids, the District will accept or reject the bids.

1.06 CONTRACTOR'S LICENSING REQUIREMENTS

The District has determined the license classification necessary to bid and perform the subject contract. In no case shall this contract be awarded to a specialty contractor whose classification constitutes less than a majority of the portion of the work of this contract, all work to be performed outside of the contractor's license specialty, except work specifically authorized by District, shall be performed by a licensed subcontractor in compliance with the Subletting and Subcontractor Fair Practices Act commencing with Section 4100 et seq., of the Public Contract Code. See Business and Professions Code Section 7059.

The Contractor's license classification required for this project is a California State Contractor's License Class A.

It is the District's intent that "plans", as used in Public Contract Code Section 3300, is defined as the construction Contract Documents, which include both the Drawings and the Specifications

1.07 TIME FOR COMPLETION AND FORFEITURE DUE TO DELAY

The work shall be completed within ONE HUNDRED EIGHTY CONSECUTIVE CALENDAR DAYS from and after the date of the Notice to Proceed.

The Contractor will not be permitted to begin work until the agreement, bonds or substitutes, insurance certificates and endorsements are acceptable to the District and Attorney for Owner. This period of time is set forth in Paragraph 3-2 Execution of Contract in the General Provisions. Time is of the essence in this contract.

The Contractor shall complete all work in its entirety as specified in the Contract Documents within these time periods. Time of completion shall also include time for all submittals and coordination required to satisfy the requirements of these Contract Documents.

The Contractor agrees that the work shall be prosecuted regularly, diligently, and uninterruptedly and at such rate of progress as will insure full completion thereof within the Time for completion stated above. It is expressly understood and agreed, by and between Contractor and Owner that the Time for completion is reasonable for the completion of the WORK, taking into consideration the average climatic range, usual industrial conditions prevailing in this locality, and lead time required to procure equipment.

Pursuant to Government Code 53069.85, forfeiture for each day completion is delayed beyond the time allowed will be at the rate of \$2,500 per day.

1.08 PERMITS

The Contractor shall obtain all required permits and provide copies of all permits to the District's Representative prior to starting work, including the San Diego County Air Pollution

Control District's permits for construction and operation of diesel generators. The Contractor shall comply with the ordinances, directives, and regulations of the respective agencies with jurisdiction over the area of the work. All work not specifically covered in the required permits shall conform to the requirements of these Specifications. The cost of all permits and plan check review shall be borne by the Contractor and included in the Contractor's bid.

The Contractor shall be responsible for developing haul routes for the importing or exporting of materials or equipment for the project and obtaining all required permits from the affected agencies of jurisdiction, i.e., City of Escondido. The Contractor shall provide copies of all permits to the District's Representative prior to starting work. The Contractor shall comply with the ordinances, directives, and regulations of the respective agencies with jurisdiction over the area of the work. All costs for transport fees, dump fees, plan or haul route reviews, permits, and related incidentals shall be borne by the Contractor and included in the Contractor's bid.

1.09 USE OF ASBESTOS PRODUCTS NOT PERMITTED

The intent of the Contract Documents is to provide asbestos-free components throughout the project in accordance with the recent Environment Protection Agency stated policy seeking a ban on the use of all products containing asbestos. Where the Contract Documents or the referenced specifications, standards, codes, or tests refer to products containing asbestos, the Contractor shall provide acceptable alternatives under those documents, or in the absence of such referenced alternatives, he shall submit a proposed substitute to the District's Representative for review and acceptance.

1.10 ASBESTOS CEMENT PIPE REMOVAL AND DISPOSAL

If asbestos cement pipe must be cut and handled in the field to accomplish the work, the Contractor is solely responsible for and shall take all appropriate precautions for protecting against threats to health and safety of the work force and general public arising out of construction involving asbestos. The Contractor shall comply with all applicable regulations for the handling, cutting, shaping, installation and disposal of asbestos. Asbestos cement pipe to be disposed shall be properly manifested, prepared for transport following criteria of County of San Diego Department of Public Works, Solid Waste Division, and delivered to a landfill permitted for disposal of non-friable asbestos containing materials. The completed Generator copy (yellow) manifest shall be returned to the District's Representative. All cost for disposal of the AC pipe shall be included in the Contractor's bid.

1.11 ABATEMENT OF AIR POLLUTION

- A. Comply with all applicable Federal, State, County, and City laws and regulations concerning the prevention and control of air pollution.
- B. Conduct construction activities and equipment in a manner so as to minimize atmospheric emissions or discharges of air contaminants. Equipment or vehicles that show excessive emissions of exhaust gases shall not be operated on the site.

1.12 NOISE CONTROL REQUIREMENTS

- A. The Contractor shall comply with all local sound control and noise level rules, regulations and ordinances which apply to any work performed pursuant to the Contract.
- B. Each internal combustion engine, used for any purpose on the job or related to the job, shall be equipped with a muffler of a type recommended by the manufacturer. No internal combustion engine shall be operated on the project without said muffler.
- C. Noise level requirements shall apply to all equipment on the job or related to the job, including but not limited to trucks and transient equipment that may or may not be owned by the Contractor. The use of loud sound signals shall be avoided in favor of light warnings except those required by safety for the protection of personnel.

1.13 AMOUNT OF LIABILITY INSURANCE

A. Employer's Liability Insurance:

- 1. Bodily injury coverage by accident shall be for not less than \$1,000,000 for each employee and \$1,000,000 for each accident.
- 2. Bodily injury coverage by disease shall be for not less than \$1,000,000 for each employee and \$1,000,000 for each disease.

B. General Liability:

Bodily injury, personal injury, and property damage coverage shall be in a combined single limit of not less than \$1,000,000 for each occurrence and \$3,000,000 aggregate.

C. Automobile Liability:

Bodily injury and property damage coverage shall be in a combined single limit of not less than \$1,000,000 for each occurrence.

D. Builder's Risk Insurance:

Builder's risk insurance shall be provided for the full contract amount.

E. Earthquake and Tidal Wave Insurance:

Earthquake and Tidal Wave Insurance is not required for this project.

F. Additional Insured:

In addition to the additional insureds required for Liability insurance in the General Provisions, 8-3 LIABILITY INSURANCE, and 8-4 BUILDER'S RISK "ALL RISK" INSURANCE, the OWNER and each of its directors, officers, employees, and agents and its Design Engineer shall be named as additional insureds for all Liability insurance and Builders' Risk Insurance provided herein.

1.14 USE OF THE STANDARD DRAWINGS

Where the Drawings or Specifications make reference to the Standard Drawings, construct the item in accordance with the details and materials as specified in the Contract Documents. For items not included in the Standard Drawings that are part of the Contract Documents, construct the item in accordance with the Olivenhain Municipal Water District, Standard Specifications and Drawings for the Construction of Water, Recycled Water, and Sewer Facilities dated June 2008 with revisions. These District Standard Drawings and Standard Specifications are available for purchase at the office of the District.

1.15 CONSTRUCTION SCHEDULE AND BID BREAKDOWN

The Contractor shall conform with the requirements of Article 6-3 Contractor's CONSTRUCTION SCHEDULE AND COST BREAKDOWN of the General Provisions within 15 days after the date of award of contract. Submit to the District's Representative a construction progress schedule and bid breakdown in bar chart form. Divide each lump sum bid item into its major elements of work and show separately labor, materials and equipment costs. The District's Representative will use this cost breakdown as a basis for the monthly progress estimate and payment. The schedule shall specifically include and identify the construction sequence requirements defined on the plans.

1.16 ACCESS OF DISTRICT'S REPRESENTATIVE TO CONFINED SPACES IN STRUCTURES UNDER CONSTRUCTION

- A. The Contractor shall be aware that some or all portions of the work may be designated as a PERMIT REQUIRED CONFINED SPACE. The Contractor is required to provide the Owner with a copy of the Contractor's Confined Space Program for Owner's review and acceptance prior to beginning work. Contractor's Confined Space Program shall be in compliance with Cal-OSHA's Confined Space regulatory requirements. The Contractor is required to perform all work in accordance with Cal-OSHA Confined Space requirements and Title 8, Subchapter 20 "*Tunnel Safety Orders*".
- B. The Contractor shall provide the following assistance to the personnel of the District's Representative when said personnel must enter confined spaces in structures under construction or structures which have not been accepted by the District.
 - 1. Training program for the personnel of the District's Representative relevant to the specific structures being entered.
 - 2. Testing equipment and personnel to operate said equipment for testing the atmosphere in the confined spaces for oxygen deficiency, explosive gases, and toxic gases.
 - 3. Authorized competent person to stand by each confined space while entrants are inside the space.
 - 4. Safety equipment (breathing apparatus, harnesses, and rescue equipment) in good working order.
 - 5. Communication equipment.
 - 6. Access equipment (hoists and ladders).

7. Signs.

8. Alarm system.

9. Ventilation system.

- C. The Contractor shall identify confined spaces on the project, mark them with warning signs per CAL/OSHA requirements, and notify the District's Representative that these structures now exist.

1.17 PROTECTION OF EXISTING UTILITIES

The Contractor shall coordinate their efforts with the District and shall take every precaution to protect all existing utilities and structures at the project site. The Contractor shall be responsible for all Underground Service Alert notification and mark outs prior to the beginning of work.

1.18 COORDINATION WITH DISTRICT OPERATIONS

- A. The Contractor shall coordinate all work with the District sufficiently ahead of time so as to not interfere with the District's operation of their system. The Contractor shall submit a detailed sequence of work to the District for all work. This proposed sequence of work shall be reviewed with the District prior to construction for consistency with the Sequence of Work as described in these Contract Documents and the District's required operation and shut-down plan.
- B. The District will operate all existing valves. Therefore, the Contractor must coordinate connection work with operations. Once the pipelines have been isolated, the Contractor shall dechlorinate and drain all lines.

1.19 PRE-CONSTRUCTION CONFERENCE AND PROGRESS MEETINGS

A Pre-Construction Conference shall be scheduled prior to start of project as described in Section 01201 Preconstruction Conference. The District, the Contractor, and the District's Construction Manager shall be present. The Contractor's detailed sequence of work and a list of labor, material and equipment rates for additional work shall be established and maintained throughout the project. Contractor shall identify all personnel assigned to the project and a complete set of approved submittal data for use by inspection personnel. Contractor shall have a designated representative for this project.

The Contractor shall also attend a project planning meeting as described in Specification Section 01202, Progress Meetings.

1.20 HOURS OF WORK

Hours of work shall be 7:00 A.M. to 4:00 P.M. Saturday and nighttime work will only be allowed with prior written approval by the Owner. If allowed, nighttime work hours shall be 9:00 P.M. to 6:00 A.M. Overtime and shift work may be established as short-term procedure by Contractor with written notice to and written permission from Owner.

Absolutely no equipment shall be started or warmed up prior to 7:00 AM or after 4:00 PM. No work other than overtime and shift work approved by Owner shall be done

between the hours of 4:00 P.M. and 7:00 A.M., nor on weekends, or District recognized holidays, except such work as is necessary for the proper care and protection of the work already performed, except in case of emergency, and as specified herein. The District recognized holidays are as follows:

Labor Day	Monday, September 6, 2021
Veterans Day	Thursday, November 11, 2021
Thanksgiving Day	Thursday, November 25, 2021
Day after Thanksgiving	Friday, November 26, 2021
Christmas Day (observed)	Friday, December 24, 2021
New Year's Day	Friday, December 31, 2021
Martin Luther King Jr. Day	Monday, January 17, 2022
Presidents' Day	Monday, February 21, 2022
Memorial Day	Monday, May 30, 2022
Fourth of July (observed)	Monday, July 4, 2022

1.21 CONSTRUCTION SURVEYS

A. LAND MONUMENTS

The Contractor shall notify the District and the District's Representative of any existing Federal, State, City, County, and private land monuments encountered. All monuments shall be preserved, or if necessary to be destroyed during performance of the Work, shall be replaced by a licensed surveyor under contract to the Contractor. Appropriate record of survey drawings shall be filed with the City of Escondido and County of San Diego for all replaced monuments. When government monuments are encountered, the Contractor shall notify the District's Representative at least two (2) weeks in advance of the proposed construction and provide for surveying of the existing monument before it is disturbed or destroyed.

B. CONSTRUCTION STAKING

1. The Contractor shall furnish construction staking to execute the work as described in the Contract Documents. Preserve all construction stakes, reference points, and other survey points. In case of their loss or destruction, the Contractor shall be liable for their replacement. If the field survey stakes are not available for review by the District's Representative, the work may not proceed.

1.22 CONSTRUCTION WATER

- A. The Contractor shall obtain and pay for a construction water meter from the District and shall be responsible for all highlines and other temporary equipment and facilities necessary to provide adequate construction water to the project site. The Contractor shall coordinate the locations of water supply with the District. The following conditions must also be met:

1. Excess water must be available in the pipeline at the connection point.
2. The contractor shall submit a construction water service connection plan a minimum of two weeks prior to the need for water. This plan shall indicate all piping, valves, and

other materials necessary to connect to District owned piping at designated blow-off, air vacuum, and air release structures located within the project site. Do not install piping, meter, or valves until the District's Representative has approved the water service plan.

3. Accurately measure all water use and submit meter readings to the District's Representative when the meter is installed, at the end of each month and when the meter is removed.
4. Securely lock the installed valve in the closed position at the end of each workday and during all times of inactivity. Avoid wasting water and prevent unauthorized use. Do not use water from the District on any other project.
5. Coordinate all use of water, flushing of pipelines and filling of pipelines with the District's representative. All requests for use of water and for increases or decreases in quantity shall be made in writing to the District's Representative two working days in advance.

1.23 POWER AND LIGHTING

- A. The Contractor shall provide all power required for construction operations, and shall provide and maintain all temporary power facilities required to perform the work in a safe and satisfactory manner. All electrical facilities shall conform to the requirements of the of the requirements of Title 8, Industrial Relations, Subchapter 5, Electrical Safety Orders, of the California Code of Regulation; and Subpart K of the OSHA Safety and Health Standards for Construction.
- B. The Contractor shall provide adequate light for work conducted at night or under low light conditions to provide adequate facilities for inspection and safe working conditions and to insure proper work.
- C. Temporary connections for electricity shall be subject to approval of the District's Representative and the power company representative. Remove temporary electrical connections in like manner prior to final acceptance of the work.

1.24 CONTRACTOR STAGING AND LAYDOWN AREA

As shown in the Drawings, the Engineer has identified one staging/laydown areas that may be utilized by the Contractor, all of which are within the property boundary of the WTP. For any area to be used by the Contractor other than these identified areas, the Contractor shall coordinate with the District for use of the area. At least 14 days prior to moving onto any site, the Contractor shall submit to the District Representative confirmation of the staging/laydown area(s) to be used for this project. Submittals shall be in accordance with Section 01300. The Contractor shall be responsible for returning all areas used to their original conditions.

1.25 DUST CONTROL AND CLEANUP

- A. Throughout all phases of construction, including suspension of work, and until final acceptance of the project, the Contractor shall keep the work site clean and free from rubbish and debris. The Contractor shall also abate dust nuisance by cleaning or sweeping

and sprinkling with water or other means as necessary, in accordance with the San Diego Air Pollution Control District's regulations. The use of water resulting in mud on public streets and/or private property will not be permitted as a substitute for cleaning, sweeping, or other methods. Every day, and as required by the Owner's Representative, the Contractor shall furnish and operate a motorized, self-loaded sweeper with water spray nozzles to keep paved areas affected by the work acceptably clean and dust free.

- B. The Contractor shall keep the premises free at all times from accumulations of waste materials and rubbish. Contractor shall provide adequate trash receptacles about the site, and shall promptly empty the containers when filled. Wastes shall not be buried or burned on the site or disposed of into storm drains, sanitary sewers, streams, or waterways. All wastes shall be removed from the site and disposed of in a manner complying with local ordinances and antipollution laws. Volatile wastes shall be properly stored in covered metal containers and removed daily. Construction materials shall be neatly stacked by the Contractor when not in use. The Contractor shall promptly remove splattered concrete, asphalt, oil, paint, corrosive liquids, and cleaning solutions from surfaces to prevent marring or other damage.

1.26 SANITATION AND DRINKING WATER

- A. The Contractor shall provide toilet and wash-up facilities for his work force at the site of work. They shall comply with applicable laws, ordinances, and regulations pertaining to the public health and sanitation of dwellings and camps. The facilities shall be stored within the staging areas overnight and on weekends. The Contractor shall maintain the sanitary facilities in an acceptable condition from the beginning of work to completion and shall remove the facilities and disinfect the premises.
- B. The Contractor shall provide safe drinking water at all times at the jobsite.

1.27 SAFETY

- A. Owner and its inspectors, consultants, agents and other representatives are in no way responsible for safety and are there only to observe the work compliance with plans and specifications.
- B. The Contractor acknowledges responsibility for jobsite and acknowledges that the District, Engineer and their agents, employees, consultants and representatives will not have any such responsibility. To the fullest extent permitted by law the Contractor shall indemnify, defend and hold harmless the District, Engineer, their present companies, subsidiaries, agents, and employees from and against all claims, damages, losses and expenses, including but not limited to attorney fees and claim costs, arising out of or resulting from performance of work by the Contractor, its subcontractors, or their agents and employees, which results in damage, loss or expense is caused in whole or in part by the negligence, active or passive, of District, Engineer, their parent and subsidiary companies, as well as their agents and employees, excepting only the sole negligence of District, Engineer, their parent or subsidiary companies and their agents and employees.

1.28 INDEMNIFICATION

- A. Contractor hereby releases and agrees to indemnify, defend, hold harmless the District, Engineer, their parent and subsidiary companies, agents, employees, consultants and representatives for any and all damage to persons or property or wrongful death regardless of whether or not such claim, damage, loss or expense is caused in whole or in part by the negligence, active or passive, of District, Engineer, their parent and subsidiary companies, as well as their agents and employees, excepting only the sole negligence of District, Engineer, their parent or subsidiary companies and their agents and employees to the fullest extent permitted by law. Such indemnification shall extend to all claims, demands, actions, or liability for injuries, death or damages occurring after completion of the project, as well as during the work's progress. Contractor further agrees that it shall accomplish the above at its own cost, expense and risk exclusive of and regardless of any applicable insurance policy or position taken by any insurance company regarding coverage.
- B. Contractor shall defend, indemnify and hold the District, Engineer, its employees, officers, or agents, harmless against any and all claims by any parties arising from, or related to, any and all damages, including legal costs and attorney's fees, resulting from interference with, interruption of, damage to, or any and all injuries which result from damage caused to subsurface installation, which is unforeseen and despite Engineer's/Architect's effort during the design process was not located, excepting only the gross negligence or willful misconduct of Engineer in providing its services.

1.29 MEASUREMENT AND PAYMENT

- A. General:
 - 1. See Section 01025 for additional requirements.
 - 2. The measurement and payment provisions of these Contract Documents shall govern over those of referenced standards, if any.
 - 3. The price set forth in the Bid Form for the work shall include all costs and expenses incidental to completing the work, and payment of the price bid will be payment in full under this contract, except as provided by Article 9-1 PAYMENT FOR CHANGES IN THE WORK of the General Provisions.
 - 4. As a condition precedent to approval of the Contractor's monthly payment application by the District's Representative, the Contractor shall attend all progress or issue resolution meetings scheduled by the District's Representative. In addition, the Contractor shall submit a monthly construction schedule properly updated and accurately showing the work completed to date and the work yet to be performed in the remaining Contract time. The Contractor agrees failure to comply with the foregoing to the satisfaction of the District's Representative shall delay the monthly progress payment to the Contractor without penalty to the District.
- B. Lump Sum Work Items Listed in the Bid Schedules:
 - 1. The lump sum prices include full compensation for furnishing the labor, materials, tools, and equipment and doing all the work involved to complete the work included in

lump sum work items listed in the Bid Schedules and defined by the Contract Documents.

2. The application for payment for a lump sum payment item will be for that specific work item based on the percentage completed. The percentage complete will be based on the value of partially completed work relative to the value of the item when entirely completed and ready for service. The application for payment will be in accordance with Article 9-2 PROGRESS PAYMENTS of the General Provisions.

C. Unit Price Work Items Listed in the Bid Schedules:

1. The unit prices include full compensation for furnishing the labor, materials, tools, and equipment and doing all the work involved to complete the work included in the unit price work items listed in the Bid Schedules and defined by the Contract Documents.
2. The application for payment for a unit price payment item will be for that specific work item based on the units of work that are entirely completed and ready for service. The application for payment will be in accordance with Article 9-2 PROGRESS PAYMENTS of the General Provisions.

D. Work Items Not Listed in the Bid Schedules:

1. The General Provisions and items in the Special Provisions which are not listed in the Bid Schedules of the Bid Form are, in general, applicable to more than one listed work item, and no separate work item is provided therefor. Include the cost of work not listed but necessary to complete the project designated in the Contract Documents in the various listed work items of the Bid Form.
2. The bids for the work are intended to establish a total cost for the work in its entirety. Should the Contractor feel that the cost for the work has not been established by specific items in the Bid Form, he shall include the cost for that work in some related bid item so that his proposal for the project does reflect his total cost for completing the work in its entirety.

1.30 NOTICE OF COMPLETION

Upon completion of all work, Contractor shall apply for acceptance of the work. Upon acceptance of the work, the District, at the District's sole discretion, will issue a Notice of Completion for this work

1.31 GUARANTEE

For all work, a two-year guarantee shall be furnished by the Contractor as required in the General Provisions, Article 5-14, except that any guarantee included for materials or equipment beyond the period specified herein shall be solely the responsibility of the guarantor and not the Contractor. This guarantee period shall commence with the District's issuance of a Notice of Completion.

1.32 LABOR COMPLIANCE PROGRAM AND CONTRACTOR REGISTRATION WITH STATE OF CALIFORNIA

In accordance with requirements defined by the California State Legislature via Senate Bill 854, all contractors and subcontractors involved with public works project shall be registered with the State Department of Industrial Relations. Registration is completed through an on-line application process and the payment of a fee to the State. The registration process requires contractors and subcontractors to provide workers' compensation coverage to its employees, hold a valid Contractors State Board License, have no delinquent unpaid wage or penalty assessments, and not be subject federal or state debarment. The registration form is located on the State Department of Industrial Relations website:

<http://www.dir.ca.gov/DLSE/dlsepublicworks.html>

Prior to start of construction, the Contractor shall submit to the District evidence of completing this registration for the prime firm and all subcontracting firms. Failure to submit the requested documentation shall be cause for delay of the project and subject to forfeiture due to delay in accordance with paragraph 1.07 of the Supplement to General Provisions.

This project is subject to monitoring by the Compliance Monitoring Unit (CMU) of the California Department of Industrial Relations (DIR). The Owner will be implementing and enforcing a labor compliance program (LCP) to ensure compliance with provisions of the California Labor Code. The Contractor must post a jobsite notice stating that the project is subject to CMU monitoring.

END OF SECTION

SECTION 01000 - SUMMARY OF WORK-REVISED

PART 1 - GENERAL

1.01 SUMMARY

- A. This section provides a summary of the work of this project, the location, activities by others, coordination, handover, and acceptance by the Owner.

1.02 SCOPE

- A. The Work of the Project consists of providing all labor, supervision, and furnishing and installing all materials, equipment, and appurtenances required to construct and put into operation the facilities described in the Contract Documents entitled, DAVID C. McCOLLOM WATER TREATMENT PLANT pH CONTROL SYSTEM PROJECT.

The Work of the Contractor shall include provision of all equipment, labor, and materials necessary to complete construction of the following, as specified and shown in the Construction Documents:

1. Demolish and dispose of existing citric acid chemical storage tank and existing concrete equipment pad. Install new 1,550 gallon double wall citric acid chemical storage tank (provided by OMWD) in adjacent ACH chemical storage and supply area. Design, furnish, and install new citric acid chemical storage tank equipment pad and storage tank seismic anchoring in accordance with provided seismic design calculations (provided by OMWD). Tank installation includes removal and reinstallation of existing chemical storage area metal roof, metal roof support cross-beams, area lighting, and other existing utilities. Roof removal requires submittal of roof removal and reinstallation work plan, and safety plan for review and approval by OMWD.
2. Relocate existing citric acid feed pump, associated valves and appurtenances, including seal flush system, to adjacent ACH chemical storage chemical storage and supply area. Demolish existing concrete equipment pad and concrete pipe supports for supply piping.
3. Salvage existing sodium hydroxide (caustic) chemical storage tank to OMWD Operations staff.
4. Demolish and dispose of existing caustic supply and feed piping and tubing. This includes both the feed tubing and containment piping to existing CIP chemical injection point, and feed tubing and containment tubing to existing treated water chemical injection point).
5. Remove and dispose of existing fluoride feed tubing from existing fluoride injection double containment piping. Demolish existing fluoride feed piping and manifold from existing energy recovery room to raw water chemical injection point in existing vault. Demolish existing fluoride injection quill assembly at chemical injection point to raw water piping.
6. Demolish and dispose of existing abandoned citric acid dual containment piping.

7. Demolish and dispose of existing citric acid storage area access stairs and landing.
8. Demolish existing caustic feed system control panel and associated conduits and wiring.
9. Demolish and replace existing emergency eyewash and shower station in existing citric acid storage area. Includes furnishing and installing new water supply piping and connecting new emergency eyewash and shower station to existing overhead domestic water supply piping in chemical storage bay area.
10. Removal and replacement of existing chemical storage bay perimeter fencing, area lighting, and metal roof sections as necessary to remove existing citric acid chemical storage tank and install new caustic chemical storage tank.
11. Furnish and install a new 4,400 gallon, double walled, crosslinked polyethylene caustic storage tank in place of existing citric acid chemical storage tank. Design, furnish and construct a new equipment pad with seismic anchoring/bracing for new tank. Include seismic design calculations stamped and signed by a registered professional Structural Engineer licensed in the state of California. Tank installation includes removal and reinstallation of existing chemical storage area metal roof, metal roof support cross-beams, area lighting, and other existing utilities. Roof removal requires submittal of roof removal and reinstallation work plan, and safety plan for review and approval by OMWD.
12. Furnish and install new caustic storage tank fill station assembly and associated piping/appurtenances. Furnish and install new citric acid storage tank fill station assembly and associated piping/appurtenances. Furnish and install new locking 316 stainless steel fill station box.
13. Relocate existing caustic chemical feed system pump skid (Blue-White M3 pump skid) and all associated appurtenances in place of the existing citric acid pumping system. Relocated caustic feed system will be used for chemical injection into CIP system.
14. Furnish and install new primary and backup caustic feed tubing within new clear double containment piping overhead from relocated caustic chemical feed skid to existing CIP system chemical injection point. Utilize existing overhead pipe supports/struts and provide new pipe straps.
15. Furnish and install new caustic chemical feed system pump skid (with Blue White MD-3 pumps, no equal) in new caustic chemical storage area. New caustic feed system will be used for chemical injection into plant raw untreated water influent piping as well as plant combined filter treated water effluent piping.
16. Furnish and install new primary and backup caustic feed tubing within existing repurposed clear double containment piping (previously fluoride feed double containment piping) overhead from new caustic feed system pump skid to plant raw untreated water chemical injection point near the energy recovery room. Utilize existing overhead pipe supports/struts and provide new pipe straps.
17. Furnish and install new primary and backup caustic feed tubing within new clear double containment piping overhead from new caustic feed system pump skid to plant combined filter treated water effluent piping. Utilize existing overhead pipe supports/struts and provide new pipe straps.
18. Coordination with OMWD operations staff for removal and demolition and disposal of existing injection quill within raw water chemical injection containment vault,

demolition and disposal of connecting fluoride feed piping in containment vault and adjacent utilities trench, demolition and disposal of existing fluoride feed valve manifold inside Energy Recovery Room, furnishing and installation of new caustic feed manifold and enclosure in Energy Recovery Room, furnishing and installation of new caustic feed piping and all associated valves and appurtenances from Energy Recovery Room to raw water chemical injection point, furnishing and installation of new caustic chemical injection quill.

19. Furnishing and installation of new containment vault flood float switch and associated signal cable and cable supports.
 20. Grouting/sealing bottom of existing containment vault, and coating of existing vault interior.
 21. Furnish and install new supply piping and manifold from new caustic storage tank to feed both new and relocated caustic feed system pump skids. Provide new pipe supports and pipe straps.
 22. Furnish and install new caustic feed system controls, including power supply, digital/analog signals for alarms and signals. Integrate new caustic chemical feed/dosing systems to be controlled via existing treatment plant SCADA system. Provide all new conduit and wiring as necessary to provide fully functioning caustic chemical supply and feed systems.
 23. Provide a temporary caustic storage, supply, and feed system to maintain/provide current caustic injection requirements to the existing treated water effluent stream during project construction. Contractor shall submit a detailed temporary caustic feed system and phasing plan to OMWD for approval prior to construction. At minimum, the temporary caustic feed system and phasing plan shall include all temporary equipment to be used, location and layout of temporary equipment, bypass plan, and construction phasing schedule.
- B. Mobilization, Demobilization, Bonds, Permits, Insurance, & Cleanup
Payment shall include compensation for all labor, materials, tools and equipment including, but not limited to, the following principal items: obtaining and complying with permits not included in any other bid item; mobilizing labor force, equipment and construction facilities; providing the required insurance; providing Contractor field offices and power/lighting, if required; providing on-site sanitary facilities; securing a water supply; implementation of BMP's; posting OSHA requirements and establishing safety programs; daily cleanup; preparing the Schedule of Values prior to the pre-construction meeting; pre-construction audio-video and photograph documentation; work not specified for payment in any other bid item; and all incidentals for the mobilization, demobilization, and permitting for construction of the project as described in the Contract Documents. Earthquake & Tidal Wave Insurance is not required.
Payment for this item shall be limited to ten (10) percent of the total contract price.
- C. The Work Site is located at:

David C. McCollom Water Treatment Plant
19090 Via Ambiente Rd
Escondido, CA 92029

1.03 COORDINATION OF WORK

- A. Maintain overall coordination of the Work.
- B. Obtain construction schedules from each subcontractor, and require each subcontractor to maintain schedules and coordinate modifications.
- C. Work Hours. All operations conducted on the premises, including the warming up, repair, arrival, departure or running of trucks, construction equipment, and any other construction associated vehicles shall be limited to the hours of 7:00AM to 4:00PM, Monday through Friday. No work shall be performed on Saturday, Sunday, or on Holidays.
- D. Water Treatment Plant Supervisor must be notified in writing two weeks in advance of any required shutdowns for chemical line, control system and/or potable water tie ins.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION (NOT APPLICABLE)

END OF SECTION