Redwood Community Action Agency

2019 Freshwater Creek Habitat Enhancement Project
Construction Documents

May 15, 2019
Project #: 36503218
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ADVERTISEMENT FOR BIDS
2019 Freshwater Creek Habitat Enhancement Project

Redwood Community Action Agency
Owner
904 G Street
Eureka, California 95501
Address

A conditional or qualified bid will not be accepted if it modifies the Plans or Specifications or method of work. A mandatory pre-bid meeting is scheduled for TUESDAY, MAY 28 at 9AM at the Sack’s parcel located on a private road 0.27 miles off Howard Height’s Road, Freshwater, CA. See maps in Information for Bidders. A bidder who fails to attend the entire mandatory pre-bid meeting or fails to sign the sign-in sheet shall be disqualified from bidding.

The work consists of the furnishing of all labor, equipment, and supervision for restoration of the Freshwater Creek Habitat Enhancement Project. The work generally includes excavation, sediment hauling, native backfill, channel rock installation, placement of large wood habitat structures, and culvert installation.

Bids will be received at the office of Redwood Community Action Agency (RCAA), 904 G Street, Eureka, California until 3PM, Pacific Daylight Time THURSDAY, JUNE 6, 2019.

Copies of the contract documents may be viewed and downloaded from RCAA’s Natural Resources Services website, HERE (http://naturalresourcesservices.org/publications).

Each proposal must be submitted on the prescribed form and accompanied by a certified check or Bid Bond in an amount of not less than 10 percent of the amount bid. Successful bidders will be required to furnish both a Payment Bond and Performance Bond in the full amount of the Contract Price.

In accordance with Public Contract Code Section 10263 and with concurrence of the project funding agencies, the Contractor may be allowed to substitute securities for monies normally withheld by the owner to insure performance under this contract.

This is a Public Works Project funded with Federal and CA State funds.

In accordance with the provisions of section 1720 et seq. of the Labor Code, the Division of Labor Standards and Research has determined the general prevailing rates or wages and employer payments for health and welfare, pension, vacation, travel time, and subsistence pay as provided for in section 1773.8. These wages are set forth in the General Prevailing Wage Rates for this project, and are available for review at the office of RCAA, 904 G Street, Eureka, California and available from the California Department of Industrial Relations’ Internet web site at http://www.dir.ca.gov/DLSR/PWD. Contractor will be required to comply with any changes in these wage rates as they are updated by the State government during the course of the job at no cost to the Owner. It shall be mandatory upon the Contractor herein and upon any Subcontractor to pay not less than the said specified rates to all laborers, workers and mechanics employed by them in the execution of the Agreement pursuant to CA Labor Code 1774.
Attention is directed to the provisions in section 1777.5 and sections 1777.6 of the Labor Code concerning the requirement to employ apprentices by the Contractor or any Subcontractor under it.

The Contractor shall comply with and shall cause his subcontractors to comply with all laws and regulations governing the contractor’s and subcontractor’s performance on this project including, but not limited to: anti-discrimination laws, workers’ compensation laws, and prevailing wage laws as set forth in CA Labor Code, Sections 1720-1861 et seq. and licensing laws, as well as Federal Labor Standards set forth in the Davis-Bacon Act (40 USC 276(a-a5), the Copeland “Anti-Kickback” Act (40 USC 276©; and the Contract Work Hours and Safety Standards Act (CWHSSA) (40 USC 327-333). The contractor is required to include the prevailing wage language in all subcontracts pursuant to CA Labor Code 1775(E)(b)(1). The Contractor shall post, at appropriate conspicuous points on the site of the Project, a schedule showing all the determined general prevailing wage rates.

The Contractor agrees to comply with Labor Code Section 1775 (Payment of the Prevailing Wage Rates) and Labor Code 1776 (keeping accurate records) and Labor Code 1777.5, placing responsibility for compliance with the statutory requirements for all apprenticeable occupations on the prime contractor.

The Contractor shall comply with the requirements imposed by the California Labor Code Sections 1720 through 1861 regarding public works projects and prevailing wage laws and sections 16000-16800 of the CA Code of Regulations.

Each worker needed to execute the work must be paid travel and subsistence payments as defined in the applicable collective bargaining agreements filed in accordance with Labor Code Section 1773.8.

Holiday and overtime work when permitted by law shall be paid for at a rate of at least one and one-half times the above specified rate of per diem wages, unless otherwise specified.

Contractors and any Subcontractors shall be assessed penalties for violating the following labor codes; CA Labor Code 1813 for overtime, 1775 for underpayment of the prevailing wage, and 1776 for inaccurate or incomplete payroll records.

The Contractor shall be responsible for submitting certified payroll records in accordance with Labor Code 1776 and submit copies to RCAA.

No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

The federal wage determination for this Project is CA 20160004.

By: Susannah Manning, Project Manager Dated: May 8, 2019
PART 1: BIDDING REQUIREMENTS
INFORMATION FOR BIDDERS

Bids will be received by the Redwood Community Action Agency (RCAA) (herein called the "Owner"), at the office of RCAA, 904 G Street, Eureka, until the time listed in the Advertisement for Bids.

Each bid must be submitted in a sealed envelope, addressed to RCAA, 904 G Street, Eureka, California 95501. Each sealed envelope containing a bid must be plainly marked on the outside as BID FOR 2019 FRESHWATER CREEK HABITAT ENHANCEMENT PROJECT, and the envelope should bear on the outside the name of the bidder, his address, his license number if applicable, and the name of the Schedule for which the bid is submitted. If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed to RCAA, 904 G St., Eureka, CA 95501.

Bids received after the time specified opening will not be considered. The bidder is solely responsible for timely delivery of his bid.

A mandatory pre-bid site inspection conference is scheduled for TUESDAY, MAY 28 at 9AM at the Sack’s parcel in Freshwater, CA. (see maps below). The project area is accessed by a private ranch road off Howard Heights Road in the Freshwater Creek watershed. From Eureka, Ca, head north approximately 2.25 miles on Myrtle Avenue, turn east onto Freshwater/Kneeland road and travel 1.9 miles to Howard Heights Road. Head southwest on Howard Heights Road for 0.27 miles before turning north onto the private, unmarked ranch road on Gary Sack’s property. Travel 0.20 miles down the ranch road to a small parking area on the northeast side of the road. We will meet in the parking lot at 10am. A bidder who fails to attend the entire mandatory pre-bid meeting or fails to sign the sign-in sheet shall be disqualified from bidding.

Directions to Freshwater Rd. from Hwy 101. Directions to Howard Heights Rd from Freshwater Rd.
All bids must be made on the required bid form. All blank spaces for bid prices must be filled in, in ink or typewritten, and the bid form must be fully completed and executed when submitted. Only one copy of the bid form is required.

Awards will be made to the lowest, responsive, responsible BIDDER in accordance to the requirements on the bid form. One of the requirements for being deemed responsive and responsible is that the bidder must meet all of the minimum qualification requirements set forth in the Bidder’s Qualification Summary.

The Owner may waive any informalities or minor defects or reject any and all bids. Any bid may be withdrawn prior to the above scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified shall not be considered.

No bidder may withdraw a bid within 60 days after the actual date of the opening thereof. Should there be reasons why the contract cannot be awarded within the specified period; the time may be extended by mutual agreement between the Owner and the bidder.

Bid Protest. Any bid protest must be in writing and received by the Owner at RCAA, 904 G Street, Eureka, California 95501 before 5:00 p.m. no later than two (2) working days following bid opening (the “Bid Protest Deadline”) and must comply with the following requirements below.

Only a bidder who has actually submitted a Bid Proposal is eligible to submit a bid protest against another bidder. Subcontractors are not eligible to submit bid protests. A bidder may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.

The bid protest must contain a complete statement of the basis for the protest and all supporting documentation. Material submitted after the Bid Protest Deadline will not be considered. The protest must refer to the specific portion or portions of the Contract Documents upon which the protest is based. The protest must include the name, address and telephone number of the person representing the protesting bidder if different from the protesting bidder.

A copy of the protest and all supporting documents must also be transmitted by fax or by e-mail, by or before the Bid Protest Deadline, to the protested bidder and any other bidder who has a reasonable prospect of receiving an award depending upon the outcome of the protest.

The protested bidder may submit a written response to the protest, provided the response is received by Owner before 5:00 p.m., within two (2) working days after the Bid Protest Deadline or after receipt of the bid protest, whichever is sooner (the “Response Deadline”). The response must include all supporting documentation. Material submitted after the Response Deadline will not be considered. The response must include the name, address and telephone number of the person representing the protested bidder if different from the protested bidder.

A copy of the response and all supporting documents must also be transmitted by fax or by e-mail, by or before the Bid Protest Deadline, to the protested bidder and any other bidder who has a reasonable prospect of receiving an award depending upon the outcome of the protest.

The procedure and time limits set forth in this section are mandatory and are the bidder’s sole and exclusive remedy in the event of bid protest. The bidder’s failure to comply with these procedures shall constitute a waiver of any right to further pursue a bid protest, including filing a Government Code Claim or initiation of legal proceedings.
Bidders must satisfy themselves of the accuracy of the estimated quantities in the bid schedule by examination of the site and a review of the Plans and Specifications including addenda. After bids have been submitted, the bidder shall not assert that there was a misunderstanding concerning the quantities of work or of the nature of the work to be done.

Each bid must be accompanied by a bid bond payable to the Owner, for ten percent of the total amount of the bid. As soon as the bid prices have been compared, the Owner will return the bonds of all except the three lowest responsible bidders. When the Agreement is executed, the bonds of the two remaining unsuccessful bidders will be returned. The bid bond of the successful bidder(s) will be retained until the payment bond and performance bond have been executed and approved, after which it will be returned. A certified check may be used in lieu of a bid bond.

A performance bond and a payment bond, each in the amount of 100 percent of the contract price, with a corporate surety approved by the Owner and in favor of the RCAA and CDFW will be required for the faithful performance of the contract.

Attorneys-in-fact who sign bid bonds or payment bonds and performance bonds must file with each bond a certified and effective dated copy of their power of attorney.

The party to whom the contract is awarded will be required to execute the Agreement and obtain the performance bond and payment bond within fourteen (14) calendar days from the date when Notice of Award is delivered to the bidder. The Notice of Award shall be accompanied by the necessary Agreement and bond forms. In case of failure of the bidder to execute the Agreement, the Owner may at his option consider the bidder in default, in which case the bid bond accompanying the proposal shall become the property of the Owner.

The Owner, within thirty (30) calendar days of receipt of an acceptable performance bond, payment bond and Agreement signed by the party to whom the Agreement was awarded shall sign the Agreement and return to such party an executed duplicate of the Agreement. Should the Owner not execute the Agreement within such period, the bidder may submit a written notice to withdraw his signed Agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the Owner.

The Notice to Proceed shall be issued within thirty (30) days of the execution of the Agreement by the Owner. Should there be reasons why the Notice to Proceed cannot be issued within such period, the time may be extended by mutual agreement between the Owner and Contractor.

In essence, the owner will strive to expedite all review processes that it is responsible for, as set forth above in an attempt to issue the Notice to Proceed by June 22, 2019 or as soon thereafter as reasonable.

If the Notice to Proceed has not been issued within the thirty (30) day period or within the period mutually agreed upon, the Contractor may terminate the Agreement without further liability on the part of either party.

The Owner may make such investigations as deemed necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Owner that such bidder is properly qualified to carry out the obligations of the Agreement and to complete the work contemplated therein. As a minimum, the bidder must meet all the requirements set forth in the Bidder’s Qualification Summary.
A conditional or qualified bid will not be accepted if it modifies the Plans or Specifications or method of work.

All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout. The Bidder is cautioned to familiarize himself/herself with all applicable permits associated with this project.

Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the county, or counties, in which the work is to be done have been determined by the Director of the Department of Industrial Relations, State of California. These wages are set forth in the General Prevailing Wage Rates for this project, and are available for review at the California Department of Industrial Relations’ Internet web site at http://www.dir.ca.gov/DLSR/PWD. Contractor will be required to comply with any changes in these wage rates as they are updated by the State government at no cost to the Owner.

The U.S. Department of Transportation (DOT) provides a toll-free “hotline” service to report bid rigging activities. Bid rigging activities can be reported Mondays through Fridays, between 8:00 a.m. and 5:00 p.m., Eastern Time, Telephone No. 1-800-424-9071. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the “hotline” to report these activities. The “hotline” is part of the DOT’s continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

The Contract Documents under which it is proposed to execute the work consist of the Plans, Specifications, and all material bound therewith. These Contract Documents are intended to be mutually cooperative and to provide all details reasonably required for the execution of the proposed work. Any person contemplating the submission of a proposal shall have thoroughly examined all of the various parts of these Documents, and should there be any doubt as to the meaning or intent of said Contract Documents, the Bidder should request of the Engineer, in writing at least six working days prior to bid opening, an interpretation thereof. Any interpretation or change in said Contract Documents will be made only in writing, in the form of addenda to the Documents and will be furnished to all Bidders receiving a set of the Documents, who shall submit, or indicate receipt of all addenda with their proposals. The Owner will not be responsible for any other explanation or interpretations of said Documents.

Questions regarding the Plans and Specifications shall be submitted in writing or via email to RCAA, 904 G Street, Eureka, California 95501 and received by 5PM Thursday May 30, 2019. Replies to such inquiries will be in the form of addendum or clarification that will be mailed to all plan holders. Requests for clarification regarding various portions of the Plans may also be directed to:

Susannah Manning at RCAA, telephone (707) 269-2058, susannah@nrsrcaa.org

Copies of contract plans and specifications may be obtained from the office of RCAA, as specified in the Advertisement for Bids. The payment will not be refundable.

The Contract Documents are assembled, arranged, and titled generally in conformance with the 16-division format suggested by the Construction Specifications Institute (CSI). Minor variations to the CSI format may be used herein to suit Owner requirements or to better adapt the Documents to particular types of projects.
Portions of these Contract Documents may contain standard preprinted material. The Bidder's attention is called to the Conditions of the contract which may modify and add to the preprinted material contained herein.

Sentences in the Contract Documents which are phrased in mandatory language, but which include no explicit reference to the party who has responsibility for performing the mandated duty, shall be interpreted as imposing responsibility for performance of the duty described on the Contractor. For example, a directive that "the site shall be kept clean" would impose the duty of keeping the site clean on the Contractor.

Where the Proposal for the work is to be submitted on a unit price basis, unit prices will be accepted on all items of work set forth in the Proposal, except those designated to be paid for as a lump sum. The estimate of quantities of work to be done is tabulated in the Proposal and, although stated with as much accuracy as possible, is approximate only and is assumed solely for the basis of calculation upon which the award of Contract shall be made. Payment to the Contractor will be made on the measurement of the work actually performed by the Contractor as specified on the Contract Documents. The Owner reserves the right to increase or diminish the amount of any class of work as may be deemed necessary.

When the Proposal for the work is to be submitted on a lump sum basis, a single lump sum price shall be submitted in the appropriate place. The total amount to be paid the Contractor shall be the amount of the lump sum in the Proposal, as adjusted for additions or deletions resulting from changes in construction.

All blank spaces in the Proposal form must be filled in, in ink, in both words and figures where required. No changes shall be made in the phraseology of the forms. Written amounts shall govern in cases of discrepancy between the amounts stated in writing and the amounts stated in figures. In case of discrepancy between unit prices and totals, unit prices will prevail.

Any Proposal shall be deemed informal which contains omissions, erasures, alterations, or additions of any kind, or prices uncalled for, or in which any of the prices are obviously unbalanced, or which in any manner shall fail to conform to the conditions of the published Advertisement for Bid.

The Bidder shall sign his Proposal in the blank space provided therefore. 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. If Bidder is a co-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 in behalf of the co-partnership. If signature is by an agent, other than an officer of a corporation or a member of a partnership, a Power of Attorney must be on file with the Owner prior to opening of Proposals or submitted with the Proposal, otherwise the Proposal will be regarded as not properly authorized.

State and local sales and use taxes, as required by the laws and statutes of the State and its political subdivisions, shall be paid by the Contractor. Prices quoted in the Proposal shall include sales tax unless provision is made in the Proposal form to separately itemize the tax.

Any Bidder may modify his bid by electronic or written communication at any time prior to the scheduled closing time for receipt of bids, provided such communication is received by the Owner prior to the closing time. The Bidder is responsible for verifying prior to the bid opening that such modification was received by the Owner. The electronic or written communication should not reveal the bid price but should state the addition or subtraction or other modification so that the final prices or terms will not be known by the Owner until the sealed bid is opened.
Each Bidder must inform himself of the conditions relating to the execution of the work, and it is assumed that he will inspect the site, subsurface conditions, weather, variations of soil moisture and workability with rainfall, and make himself thoroughly familiar with all the Contract Documents. The bidder should check with local contractors regarding local site, surface, subsurface and material conditions and variability.

Failure to do so will not relieve the successful Bidder of his obligation to enter into a contract and complete the contemplated work in strict accordance with the Contract Documents. The Bidder's attention is called to the General Conditions and Supplementary Conditions of the Contract Documents in regards to the Bidder's obligation to verify for himself and to his complete satisfaction all information concerning site and subsurface conditions, and Notice requirements.

Each Bidder shall inform himself of, and the Bidder awarded a contract shall comply with, State and local laws, statutes, and ordinances relative to the execution of the work. This requirement includes, but is not limited to, applicable regulations concerning employment of labor, protection of public and employee safety and health, environmental protection, the protection of natural resources, fire protection, burning and non-burning requirements, permits, fees, and similar subjects.

**DIR Registration.** No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) or be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)]. This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

This project is funded through the following sources:

1. CDFW - Fisheries Restoration Grant Program

The Contractor shall comply with all requirements associated with these funding programs.
## BIDDERS' CHECKLIST

This checklist has been prepared and furnished to aid bidders in including all necessary supporting information with their bid. Bidders' submittals should include, but are not limited to the following:

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<td>2. Bidder's Questionnaire</td>
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<td>3. Bid Schedule</td>
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<tr>
<td>4. Authority to Sign Bid Proposal (if applicable)</td>
<td>(Attach to Bid Bond)</td>
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<tr>
<td>5. List of Subcontractors (Subcontractor Details)</td>
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<td>6. Bid Bond</td>
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<td>9. Power of Attorney</td>
<td>(Attach to Bid Bond)</td>
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<tr>
<td>10. Byrd Anti-Lobbying Amendment Compliance and Certification</td>
<td>45</td>
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<td>11. Debarment and Suspension Certification</td>
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BID

Proposal of ____________________________________________

(hereinafter called “Bidder”), organized and existing under the laws of the State of
___________________________________, doing business as________________________.

To the Redwood Community Action Agency (hereinafter called “Owner”).

In compliance with your Advertisement for Bids, Bidder hereby proposes to perform all work for the
construction of the

2019 Freshwater Creek Habitat Enhancement Project

in strict accordance with the Contract Documents, within the time set forth therein, and at the prices
stated below.

In the event of a difference between a price quoted in words and a price quoted in figures for the same
quotation, the words shall be the amount bid. In the event that the product of a unit price and an
estimated quantity does not equal the extended amount quoted, the unit price shall govern and the
corrected product of the unit price and the estimated quantity shall be deemed to be the amount bid. If the
sum of two or more items in a bidding schedule does not equal the total amounts quoted, the individual
items amounts shall govern and the corrected total shall be deemed to be the amount bid.

By submission of this bid, each bidder certifies, and in the case of a joint bid, each party certifies as to his
own organization, that his bid has been arrived at independently, without consultation, communication, or
agreement as to any matter relating to this bid with any other bidder or with any competitor.

Bidder hereby agrees to commence work under this Contract on or before a date to be specified in the
Notice to Proceed and to fully complete the project and pay the liquidated damages as provided in
Articles III and IV of the General Conditions.

Bidder agrees to perform all the work described in the Contract Documents for the following unit prices or
lump sum.

NOTE: Bids shall include sales tax and all other applicable taxes and fees
BIDDER’S QUESTIONNAIRE

2019 Freshwater Creek Habitat Enhancement Project

Submission of a completed Bidder’s Questionnaire with the sealed bid is required for the above-referenced project (“Project”). Owner may use the completed Questionnaire to evaluate the Bidder’s qualifications for this Project. The Questionnaire must be filled out completely, accurately, and legibly. Any errors, omissions, or misrepresentations in completion of the Questionnaire may be grounds for rejection of the bid or termination of a Contract awarded pursuant to the bid.

Part 1: General Information

Contractor Name: ____________________________ (“Contractor”)

Check One:  
___ Corporation  
___ Partnership  
___ Sole Proprietorship  
___ Joint Venture of: ____________________________  
___ Other: ____________________________

Address: ____________________________________________

__________________________________________________

Phone: ______________________________________________

Fax: ________________________________________________

Owner of Company: __________________________________

Contact Person: ______________________________________

Contractor’s License Number(s): ________________________

Part 2: Contractor Experience

1. How many years has Contractor been in business under its present business name?

2. Has Contractor completed projects similar in type and size to this Project as a general contractor?

3. Has Contractor ever been disqualified on grounds that it is not responsible? If yes, provide additional information on a separate sheet of paper regarding the disqualification, including the name and address of the agency or owner of the subject project, the type and size of the project, the reasons that Contractor was disqualified as not responsible, and the month and year in which the disqualification occurred. Circle one:  YES    NO
4. Has Contractor ever been terminated from a construction project, either as a general contractor or as a subcontractor? If yes, provide additional information on a separate sheet of paper regarding the termination, including the name and address of the agency or owner of the subject project, the type and size of the project, whether Contractor was under contract as a general contractor or a subcontractor, the reasons that Contractor was terminated, and the month and year in which the termination occurred. Circle one:  YES  NO

5. Provide information about Contractor’s past projects performed as general contractor as follows:

5.1 Three (3) completed projects in the last six (6) years with a preference on projects that are similar to this Project;

5.2 Three (3) largest completed projects within the last three (3) years; and

5.3 Any project which is similar to this Project.

6. Use separate sheets of paper provide all of the following information for each project identified in response to the above three categories:

6.1 Project Name

6.2 Location

6.3 Owner

6.4 Owner Contact (name and current phone number)

6.5 Architect or Engineer Name

6.6 Architect or Engineer Contact (name and current phone number)

6.7 Construction Manager (name and current phone number)

6.8 Description of Project, Scope of Work Performed

6.9 Initial Contract Value (at time of bid award)

6.10 Final Cost of Construction (including change orders)

6.11 Original Scheduled Completion Date

6.12 Time Extensions Granted (number of days)

6.13 Actual Date of Completion

6.14 Number and amount of Stop Notices or Mechanic’s Liens filed

6.15 Amount of liquidated damages assessed against Contractor

6.16 Nature and resolution of any claim, lawsuit, and/or arbitration between Contractor and the Owner

Part 3: Verification

In signing this document, I, the undersigned, declare that I am duly authorized to sign and submit this Bidder’s Questionnaire on behalf of the named Contractor, and that all responses and information set forth in this Bidder’s Questionnaire and accompanying attachments are, to the best of my knowledge, true, accurate and complete as of the date of submission. I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Signature: ________________________________ Date: ______________

By [name, title]: ________________________________

For [name of Contractor]: ________________________________
## BID SCHEDULE

### BASE BID

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Qty.</th>
<th>Unit</th>
<th>Description</th>
<th>Unit Price</th>
<th>Total Price</th>
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<tr>
<td>1</td>
<td>1</td>
<td>L.S.</td>
<td>Mobilization, Demolition, &amp; General</td>
<td>N/A</td>
<td>$</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>L.S.</td>
<td>By-Pass Road</td>
<td>N/A</td>
<td>$</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>L.S.</td>
<td>Water Management, Dust Control and Environmental Protection</td>
<td>N/A</td>
<td>$</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>L.S.</td>
<td>Lower Pond Excavation</td>
<td>N/A</td>
<td>$</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>L.S.</td>
<td>Lower Pond Culvert and Stop Log Guide Assembly</td>
<td>N/A</td>
<td>$</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>L.S.</td>
<td>Lower Pond and Culvert Onsite Soil Re-use</td>
<td>N/A</td>
<td>$</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>L.S.</td>
<td>Planted RSP Bankline at Lower Pond Culvert Outlet</td>
<td>N/A</td>
<td>$</td>
</tr>
<tr>
<td>8</td>
<td>1</td>
<td>L.S.</td>
<td>Lower Pond Cover Structures</td>
<td>N/A</td>
<td>$</td>
</tr>
<tr>
<td>9</td>
<td>1</td>
<td>L.S.</td>
<td>Alcove Excavation</td>
<td>N/A</td>
<td>$</td>
</tr>
<tr>
<td>10</td>
<td>1</td>
<td>L.S.</td>
<td>Alcove Culvert</td>
<td>N/A</td>
<td>$</td>
</tr>
<tr>
<td>11</td>
<td>1</td>
<td>L.S.</td>
<td>Alcove Onsite Soil Re-use</td>
<td>N/A</td>
<td>$</td>
</tr>
<tr>
<td>12</td>
<td>1</td>
<td>L.S.</td>
<td>Log Overhang Structures at Alcove</td>
<td>N/A</td>
<td>$</td>
</tr>
</tbody>
</table>

## TOTAL BID

TOTAL BID (Add Items 1 thru 12) in numbers

TOTAL BID (Add Total Base Bid) in words:
Awards will be made to the lowest, responsive, responsible, BIDDER. The low bidder shall be determined based on the TOTAL BID.

Additional bid items may be added prior to award or as a change order during the project and the bid amounts shown here shall be the agreed upon contract amount for the work.

It is further understood and agreed that the RCAA reserves the right to eliminate any section of this proposal from the Contract without claim of the Contractor for profits lost.

Submitted By (Company) _______________________________ Date________________________

Name (Written)_________________________________ Signature________________________

Receipt of the following Addenda is acknowledged:

____________________________________________________________________________

____________________________________________________________________________

The representations made herein are made under penalty of perjury.

Respectfully submitted:

_________________________________ Title

_________________________________ Date

_________________________________ License Number

_________________________________ Date

License Expiration Date

(SEAL - If Bid is by Corporation)
**SUBCONTRACTOR DETAILS**

The bidder certifies that:

A. **___ I do not intend to subcontract any work on this project.**

B. **___ I do intend to subcontract portions of the work on this project.**

NOTE: The bidder shall check box A or box B. If the bidder does not check a box, it will be deemed that he has checked box A.

If awarded the Contract, the bidder proposes to employ the following subcontractors who will perform work or labor or render service to the bidder in or about the work in an amount in excess of one-half of one percent (0.5%) of the total amount of Bidder's proposal. Listing of sub-contractors is mandatory under Sections 4100-4108 of the California Government Code. If no subcontract work is proposed, except within the one-half of one percent (0.5%) limit set forth, the Bidder shall so state.

<table>
<thead>
<tr>
<th>NAME &amp; ADDRESS</th>
<th>DESCRIPTION OF WORK TO BE SUBCONTRACTED</th>
<th>SUBCONTRACTOR'S CALIF. LIC. NO./DIR NO.</th>
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</tr>
</tbody>
</table>

If Contractor is using subcontractors to meet Bidder's Qualifications, provide written explanation here:

__________________________________________________________________________

__________________________________________________________________________

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__________________________________________________________________________
BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned,

__________________________________________________________ as Principal, and

__________________________________________________________, as Surety, are hereby held and firmly bound unto
Redwood Community Action Agency as Owner, in the penal sum of __________________________, for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns.

Signed this ______ day of _______________, 2019.

The Condition of the above obligation is such that whereas the Principal has submitted to Redwood Community Action Agency a certain bid, attached hereto and hereby made a part hereof to enter into a contract in writing, for the:

2019 Freshwater Creek Habitat Enhancement Project

NOW, THEREFORE,

(a) If said bid shall be rejected, or

(b) If said bid shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said Bid), and shall furnish a bond for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said bid,

then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.
SEAL:

________________________________________

Principal

By:_______________________________________

Title:_____________________________________

________________________________________

Surety

By:_______________________________________

Title:_____________________________________

IMPORTANT - Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located.

NOTE: Bidder shall provide current "Power of Attorney" for Attorney-in-fact who signs Bid Bond.
EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

The bidder ________________________________ proposed subcontractor ________________________________, hereby certifies that he has , has not , participated in a previous contract or subcontract subject to the equal opportunity clauses, as required by Executive Orders 10925, 11114, or 11246, and that, where required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President’s Committee on Equal Employment Opportunity, all reports due under the applicable filling requirements.

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts, which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of $10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.
NONCOLLUSION AFFIDAVIT
(to be executed by bidder and submitted with bid)

The undersigned declares:

I am the ____________________________ (title) of ____________________________ (company), the party making the foregoing bid. The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. 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 to refrain from bidding. 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. All statements contained in the bid are true. 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, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose. Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder. I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on

__________________________ (date), at ____________________________ (City), ____________________________ (State).

Dated: ____________________________ By: ____________________________

Title: ____________________________
DRUG FREE WORKPLACE

By submitting a bid, the Bidder asserts that they are in compliance with California’s Drug Free Workplace Act of 1990 and that they will provide a drug-free workplace by doing all of the following:

- Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited in the person's or organization's workplace and specifying the actions that will be taken against employees for violations of the prohibition.

Establishing a drug-free awareness program to inform employees about all of the following:
The dangers of drug abuse in the workplace.

- The person's or organization's policy of maintaining a drug-free workplace.
- Any available drug counseling, rehabilitation and employee assistance programs.
- The penalties that may be imposed upon employees for drug abuse violations.
- Requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required by subdivision (a) of the act and that, as a condition of employment on the contract or grant, the employee agrees to abide by the terms of the statement.
PART 2: CONTRACT FORMS
CONTRACT AGREEMENT

THIS AGREEMENT, MADE THIS ___________ day of __________, 2019, by and between the RCAA, hereinafter called "Owner," and __________________________, doing business as (an individual), or (a partnership), or (a corporation), hereinafter called "Contractor."

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The Contractor will commence and complete the construction of project as defined in the Contract Documents.

2. The Contractor will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the project described herein, unless the Contract Documents specify the owner will provide these items.

3. The Contractor will commence the work required by the Contract Documents within 5 calendar days after the date of the Notice to Proceed and will complete the same within the time provided in Section B-35 of the General Conditions, unless the period for completion is extended otherwise by the Contract Documents.

4. The Contractor agrees to perform all of the work described in the Contract Documents and comply with terms therein for the sum shown in the Bid Schedule and as amended by approved change order.

5. The Contract Documents consist of the Bidding Requirements, Contract Forms, Conditions of the Contract, the Specifications, and the Plans, including all modifications thereof incorporated into the documents before their execution, and including all other requirements incorporated by specific reference thereto. These form the Contract.

6. The Owner will pay to the Contractor in the manner and at such times as set forth in the General Conditions such amounts as required by the Contract Documents.

7. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

8. The general prevailing rates of per diem wages shall be paid by the Contractor.

9. DIR Registration. No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) or be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)]. This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

10. In response to Labor Code section 1773.3, the PWC-100 form has been completed by the awarding agency and provided to the Department of Industrial Relations within five days of the award. This form allows contractors and subcontractors to upload electronic certified payroll records to the Labor Commissioner (required for all projects awarded on or after April 1, 2015).
IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in quadruplicate, each of which shall be deemed an original on the date first above written.

ATTEST:

Redwood Community Action Agency
Owner

By______________________________

Val Martinez, Executive Director
As authorized by RCAA

Notary Public

Contractor (Seal)

By______________________________

License No.:______________________
Expiration:_______________________
DIR No.:_________________________
PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That

__________________________________________
(Name of Contractor)

__________________________________________
(Address of Contractor)

a__________________________________________, hereinafter called Principal, and
(Corporation, Partnership, or Individual)

__________________________________________
(Name of Surety)

__________________________________________
(Address of Surety)

hereinafter called Surety, are held and firmly bound unto

Redwood Community Action Agency

904 G Street Eureka, CA 95501

(Address of Owner)

hereinafter called Owner, in the penal sum of

__________________________________________ Dollars, in lawful money of the United States, for
the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly
and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain
contract with the Owner, dated______day of____________, 2019, a copy of which is hereto
attached and made a part hereof for the installation of:

__________________________________________

NOW, THEREFORE, If the Principal shall well, truly and faithfully perform its duties, all the undertaking,
covenants, terms, conditions, and agreements of said contract during the original term thereof, and any
extensions thereof which may be granted by the Owner, with or without notice to the Surety and during
one year (minimum) guaranty period, and if he shall satisfy all claims and demands incurred under such
contract, and shall fully indemnify and save harmless the Owner from all costs and damages which it may
suffer by reason of failure to do so, and shall reimburse and repay the Owner all outlay and expense
which the Owner may incur in making good any default, then this obligation shall be void; otherwise to
remain in full force and effect.
PROVIDED, FURTHER, that the said Surety for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder of the Specifications accompanying the same shall in any wise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work or to the Specifications.

PROVIDED, FURTHER, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in 4 counterparts, each one of which shall be deemed an original, this _____ day of ________________, 2019.

ATTEST:

__________________________
Principal

__________________________
(Principal) Secretary

__________________________
By________________________

__________________________
(Address)

__________________________
Witness as to Principal

__________________________
(Address)

ATTEST:

__________________________
Surety

__________________________
By________________________

__________________________
(Address)

__________________________
Witness as to Surety

__________________________
(Address)

NOTE: Date of Bond must not be prior to date of Contract. If Contractor is Partnership, all partners should execute Bond.

IMPORTANT: Surety companies executing Bonds must appear on the Treasury Department’s most current list (Circular 570 as amended) and be authorized to transact business in the State where the project is located.
PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: that

________________________________________________________________________
(Name of Contractor)

________________________________________________________________________
(Address of Contractor)

a ________________________________, hereinafter
(Corporation, Partnership, or Individual)

called Principal, and ________________________________
(Name of Surety)

________________________________________________________________________
(Address of Surety)

hereinafter called Surety, are held and firmly bound unto:

The Redwood Community Action Agency

________________________________________________________________________
904 G Street, Eureka, Ca 95501
(Address of Owner)

hereinafter called Owner, in the penal sum of ________________________________

Dollars ($ ______________) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the Owner, dated_____ day of__________, 2019, a copy of which is hereto attached and made a part hereof for the construction of:

2019 Freshwater Creek Habitat Enhancement Project

NOW, THEREFORE, if the Principal shall promptly make payment to all persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the prosecution of the work provided for in such contract, and any authorized extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, coal and coke, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such work, and all insurance premiums of said work, and for all wages and fringe benefits of labor, performed in such work, whether by subcontractor or otherwise, then this obligation shall be void; otherwise to remain in full force and effect.
PROVIDED, FURTHER, that the said Surety for value received hereby stipulated and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in any wise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work or to the specifications.

PROVIDED, FURTHER, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in 4 counterparts, each one of which shall be deemed an original, this_______day of______________, 2019.

ATTEST:

________________________________________  Principal

(Principal) Secretary

By_______________________________________

________________________________________  Address

Witness as to Principal

________________________________________  Address

ATTEST:  Surety

________________________________________  By_______________________________________

________________________________________  Address

Witness as to Surety

________________________________________  Attorney-in-Fact

________________________________________  Address

Witness as to Attorney-in-Fact

________________________________________  Address

NOTE: Date of bond must not be prior to date of Contract. If Contractor is Partnership, all partners should execute bond.

IMPORTANT: Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the project is located.
NOTICE OF AWARD

TO: __________________________
____________________________
____________________________

PROJECT Description:

2019 Freshwater Creek Habitat Enhancement Project

The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for BIDS dated_________________ and Information for BIDDERS.

You are hereby notified that your BID for the Bid Schedule has been accepted for items in the amount of $______________________________

You are required by the Information for BIDDERS to execute the Agreement and furnish the required Contractor's certificates of insurance within fourteen (14) calendar days from the date this Notice is received by you.

If you fail to execute said Agreement and to furnish said INSURANCE within fourteen (14) calendar days from the date of receipt of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER'S acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER within two (2) calendar days.

Dated this__________day of_______, 2019

Owner_______ Redwood Community Action Agency

By________________________Title __________________________

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged by:

______________________________________________

This the___________day of_______________________________, 2019.

By________________________Title __________________________
NOTICE TO PROCEED

TO: ___________________________   DATE: ___________________________
     ___________________________   PROJECT: 2019 Freshwater Creek Habitat Enhancement Project
     ___________________________

You are hereby notified to commence work in accordance with the Agreement dated on or before 
______________________, and you are to complete the work within _______ consecutive days thereafter. The 
date of completion of all work is therefore____________________, 2019.

Redwood Community Action Agency  
Owner

By ___________________________
Val Martinez, Executive Director

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by ___________________________ 
this the______day of____________________, 2019.

By______________________________
CONTRACTOR'S CERTIFICATE REGARDING WORKMEN'S COMPENSATION

Labor Code Section 3700,

"Every employer except the State and all political subdivisions or institutions thereof, shall secure the payment of compensation in one or more of the following ways:

(a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this State.

(b) By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employees."

I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for workmen's compensation or to undertake self-insurance in accordance with the provisions before commencing the performance of the work of this contract.

By  ____________________________

Title  ____________________________

Date  ____________________________

(In accordance with Article 5 (commencing at Section 1860, Chapter 1, Part 7, Division 2, of the Labor Code, the above certificate must be signed and filed with the awarding body prior to performing any work under this contract).
PART 3: FEDERAL GRANTS

SPECIAL PROVISIONS
Supplemental Contract Requirements


FEDERAL TERMS AND CONDITIONS - During the performance of the contract, the Contractor must agree to comply with all applicable Federal laws and regulations described in Appendix II to Part 200 of the CFR, including but not limited to the following:

(A) Breach of contract – See applicable General Contract section

(B) Termination for Cause and Convenience – See applicable General Contract section

(C) Equal Employment Opportunity – Contracts are subject to Executive Order 11246 which prohibits employment discrimination by Federal contractors and subcontractors and federally-assisted construction contractors and subcontractors. Bidders must complete and submit the attached “Equal Employment Opportunity Certification” with their bid.

During the performance of this contract, the contractor agrees as follows:

(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.

(3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and
the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions as may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, That in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the contractor may request the United States to enter into such litigation to protect the interests of the United States.

(D) Davis/Bacon Prevailing Wages and Copeland Anti-Kickback Act – Per 29 C.F.R. § 5.5(a)

Davis Bacon Prevailing Wages

This section is applicable to all Federal-aid construction projects exceeding $2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or
incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH–1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. (1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division Web site at http://www.dol.gov/esa/whd/forms/wh347instr.htm or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes
of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency.

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH–347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in
the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.
In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility.

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).


Compliance with the Copeland “Anti-Kickback”

(1) Contractor. The contractor shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this contract.

(2) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clause above and such other clauses as the FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of these contract clauses.
(3) Breach. A breach of the contract clauses above may be grounds for termination of the contract, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. §5.12.

(E) Contract Work Hours and Safety Standards Act

Compliance with the Contract Work Hours and Safety Standards Act.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The RCAA shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.

(F) Rights to Inventions made under Contract – Not applicable to this contract

(G) Clean Air Act and Federal Waters Pollution Control Act

Clean Air Act
(1) The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.

(2) The contractor agrees to report each violation to the RCAA and understands and agrees that the RCAA will, in turn, report each violation as required to assure notification to the (name of recipient), Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.

(3) The contractor agrees to include these requirements in each subcontract exceeding $150,000 financed in whole or in part with Federal assistance provided by FEMA.

Federal Water Pollution Control Act

(1) The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.

(2) The contractor agrees to report each violation to the RCAA and understands and agrees that the RCAA will, in turn, report each violation as required to assure notification to the appropriate Environmental Protection Agency Regional Office.

(3) The contractor agrees to include these requirements in each subcontract exceeding $150,000 financed in whole or in part with Federal assistance provided by FEMA.

(H) Energy Efficiency - The Contractor shall comply with the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C.6201).

(I) Debarment and Suspension - Any contractor/subcontractor who is ineligible to perform work on a public works project pursuant to Labor Code Sections 1777.1 or 1777.7 or is currently on the government wide “Excluded Parties List System” in the System for Award Management (SAM) is prohibited from performing work on this Project. Bidders must complete and submit the attached “Debarment and Suspension Certification” with their bid.

Debarment and Suspension

(1) This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such the contractor is required to verify that none of the contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

(2) The contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

(3) This certification is a material representation of fact relied upon by the RCAA. If it is later determined that the contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000,
subpart C, in addition to remedies available to (name of state agency serving as recipient and name of subrecipient), the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

(4) The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

(J) **Byrd Anti-Lobbying Amendment** - Bidders must complete and submit the attached “Byrd Anti-Lobbying Amendment Compliance and Certification” with their bid.


Contractors shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient.

(K) **Procurement of recovered materials**

(1) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired-

(i) Competitively within a timeframe providing for compliance with the contract performance schedule;

(ii) Meeting contract performance requirements; or

(iii) At a reasonable price.

(2) Information about this requirement, along with the list of EPA-designate items, is available at EPA’s Comprehensive Procurement Guidelines web site, https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program.

(L) **Additional Requirements**

**Access to Records**

(1) The contractor agrees to provide RCAA, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the
Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts, and transcriptions.

(2) The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

(3) The contractor agrees to provide the Grant Administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the Contract.

**BYRD ANTI-LOBBYING AMENDMENT COMPLIANCE AND CERTIFICATION**

The undersigned [Contractor] certifies, to the best of his or her knowledge, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, “Disclosure Form to Report Lobbying” in accordance with its instructions.

3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

The Contractor, ________________________________, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

______________________________
Signature of Contractor's Authorized Official
Name and Title of Contractor’s Authorized Official

Date

DEBARMENT AND SUSPENSION CERTIFICATION

The undersigned [Contractor] certifies, to the best of its knowledge and belief, that:

The Offeror and/or any of its Principals:

– Are not presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

– Have not, within a three year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; and

– Are not presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in subdivision (a)(1)(i)(B) of this provision.

The Offeror has not, within a three year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

"Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTIONIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER SECTION 1001, TITLE 18, UNITED STATES CODE.

The Offeror shall provide immediate written notice to the RCAA if, at any time prior to subcontract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the RCAA may render the Offeror nonresponsible.
Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the RCAA, the RCAA may terminate the contract resulting from this solicitation for default.

______________________________________________
Signature of Contractor’s Authorized Official

______________________________________________
Name and Title of Contractor’s Authorized Official

______________________________________________
Company Name

______________________________________________
Date
PART 4: CONDITIONS OF THE CONTRACT
SECTION A: DEFINITIONS AND TERMS

A-1 General

Wherever the following abbreviations and terms, or pronouns in place of them, are used in these Conditions and other Contract Documents of which these Conditions are a part, the intent and meaning shall be interpreted as provided below.

A-2 Abbreviations

The following abbreviations may be used in the Contract Documents:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>AA</td>
<td>Aluminum Association</td>
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<tr>
<td>AASHO</td>
<td>American Association of State Highway Officials</td>
</tr>
<tr>
<td>ABMA</td>
<td>American Boiler Manufacturer's Association</td>
</tr>
<tr>
<td>ACI</td>
<td>The American Concrete Institute</td>
</tr>
<tr>
<td>AGA</td>
<td>American Gas Association</td>
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<tr>
<td>AGC</td>
<td>Associated General Contractors</td>
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<tr>
<td>AGMA</td>
<td>American Gear Manufacturer's Association</td>
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<tr>
<td>AI</td>
<td>The Asphalt Institute</td>
</tr>
<tr>
<td>AIA</td>
<td>American Institute of Engineers</td>
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<tr>
<td>AISC</td>
<td>American Institute of Steel Construction</td>
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<tr>
<td>AISI</td>
<td>American Iron and Steel Institute</td>
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<tr>
<td>ALSC</td>
<td>American Lumber Standards Committee</td>
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<tr>
<td>ANSI</td>
<td>American National Standards Institute, Inc.</td>
</tr>
<tr>
<td>API</td>
<td>American Petroleum Institute</td>
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<tr>
<td>APWA</td>
<td>American Public Works Association</td>
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<tr>
<td>AREA</td>
<td>American Railway Engineering Association</td>
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<tr>
<td>ASCE</td>
<td>American Society of Civil Engineers</td>
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<tr>
<td>ASME</td>
<td>American Society of Mechanical Engineers</td>
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<tr>
<td>ASTM</td>
<td>American Society for Testing and Materials</td>
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<tr>
<td>AWPA</td>
<td>American Wood Preservers’ Association</td>
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<tr>
<td>AWS</td>
<td>American Welding Society</td>
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<td>AWWA</td>
<td>American Water Works Association</td>
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<tr>
<td>BHMA</td>
<td>Builders Hardware Manufacturers Association</td>
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<tr>
<td>CCMTC</td>
<td>California Concrete Masonry Technical Committee</td>
</tr>
<tr>
<td>CRSI</td>
<td>Concrete Reinforcement Steel Institute</td>
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<tr>
<td>DFPA</td>
<td>Douglas Fir Plywood Association</td>
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<tr>
<td>ETL</td>
<td>Electrical Testing Laboratory</td>
</tr>
<tr>
<td>FS</td>
<td>Federal Specification</td>
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<tr>
<td>ICBO</td>
<td>International Conference of Building Officials</td>
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<tr>
<td>IEEE</td>
<td>The Institute of Electrical and Electronics Engineers</td>
</tr>
<tr>
<td>IES</td>
<td>Illuminating Engineering Society</td>
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<tr>
<td>IPCEA</td>
<td>Insulated Power Cable Engineers Association</td>
</tr>
</tbody>
</table>
A-3 Definitions

(a) **Acceptance** - The formal written acceptance by the RCAA of the entire Contract which has been completed in all respects in accordance with the Specifications and any approved modifications.

(b) **Addenda** - Written or graphic instruments issued prior to the execution of the Agreement which modify or interpret the Contract Documents, Drawings and Specifications by additions, deletions, clarifications or corrections.

(c) **As Approved** - The words "as approved" unless otherwise qualified, shall be understood to be followed by the words "by the Construction Manager."

(d) **Bid** - The offer of the bidder for the work when made out and submitted on the prescribed bid form, properly signed and guaranteed. A Bid is also known as a Proposal.

(e) **Bid Bond** - The cash, cashier's check, certified check, or bidder's bond accompanying the bid submitted by the bidder, as a guarantee that the bidder will enter into a Contract with the RCAA for the performance of work herein described.
(f) Bidder - Any individual, firm, partnership or corporation submitting a bid for the work contemplated, and acting directly or through a duly authorized representative.

(g) Change Orders - A written order to the Contractor authorizing an addition, deletion, or revision in the work within the general scope of the Contract Documents or authorizing adjustment in the Contract price or Contract time.

(h) City – City of Eureka

(i) Claim - A separate demand by the Contractor for (i) a time extension, (ii) payment of money or damages arising from work done by or on behalf of the Contractor pursuant to the Contract for a public work and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to, or (iii) an amount the payment of which is disputed by the RCAA.

(j) Contract - The written agreement covering the performance of the work and the furnishing of labor, materials, tools and equipment in the construction of the work. The Contract shall include all Contract Documents and supplemental agreements amending or extending the work contemplated which may be required to complete the work in a substantial and acceptable manner. Supplemental agreements are written agreements covering alterations, amendments or extensions to the Contract and include Addenda and Contract Change Orders.

(k) Contract Documents - The Contract Documents are any or all of the documents listed in Article I of the Contract.

(l) Contract Price - Total monies payable to the Contractor under the terms and conditions of the Contract Documents.

(m) Contract Time - The numbers of days stated in the Contract Documents for the completion of work.

(n) Contractor - The person or persons, firm, partnership or corporation or other entity who has entered into the Contract with the RCAA to perform the work.

(o) Contract Drawings - “Contract Drawings” or “drawings” or “Contract Plans” means and includes (i) all drawings which have been prepared on behalf of the RCAA and which are included in the Contract Documents and all modifying drawings issued by addenda thereto; (ii) all drawings submitted pursuant to the terms of the Contract by the Contractor with his proposal and by the Contractor to the RCAA during the progress of the work when accepted by the Engineer. Except where a specific type of drawing is indicated, the terms “Drawings” and “Plans” are used interchangeably throughout the Contract Documents and the Plans are Drawings as defined above.

(p) County - County of Humboldt, California.

(q) Construction Manager - Wherever in these documents the word “Construction Manager” appears, it shall be understood to mean Redwood Community Action Agency (RCAA). The Construction Manager will have final authority as regards to contract administration, field inspection, and related items.

(r) Date of Execution of the Contract - The date on which the Contract is signed by the RCAA’s authorized representative.
(s) Datum – Elevation datum is assumed, refer to contract documents.

(t) Days - Unless otherwise designated, days as used in the Contract Documents shall mean calendar days.

(u) Engineer – Wherever in these documents the work “Engineer” appears, it shall be understood to mean Michael Love and Associates (MLA) as an authorized professional designated by RCAA.

(v) Field Order - A written order effecting a change in the Work not involving an adjustment in the Contract Price or an extension of Contract Time, issued by the Construction Manager to the Contractor during construction.

(w) His - "His" shall include "her" and "its".

(x) Install - "Install" wherever and in whatever manner used shall mean the installation, complete in place of an item.

(y) Landowner - Wherever in these documents the word “Landowner” appears, it shall be understood to mean Gary Sacks, or his representative.

(z) Notice of Award - The written notice of the acceptance of the Bid from the RCAA to the successful Bidder.

(aa) Notice to Proceed - Written communication issued by the RCAA to the Contractor authorizing him to proceed with the work and establishing the date of commencement of the work.

(bb) Or Equal - The terms "or equal" or "approved equal" shall be understood to indicate that the "equal" product be the same or better than the product named in function, performance, reliability, quality and general configuration. Determination of equality in reference to the project design requirement will be made by the Engineer.

(aa) Plans or Drawings - The term "Plans or Drawings" refers to the official Plans, profiles, cross sections, elevations, details, and other working drawings and supplementary drawings, or reproductions thereof, signed by the Engineer, which show the location, character, dimensions, and details of the work to be performed. Plans may either be bound in the same book as the balance of the Contract Documents or bound in separate sets, and are a part of the Contract Documents, regardless of the method of binding.

(bb) Project - The undertaking performed as provided by the Contract Documents.

(cc) Provide - "Provide" wherever and in whatever manner used shall be understood to mean furnish and install.

(dd) Project Geotechnical Engineer – as designated by RCAA.

(ee) Resident Project Representative - Authorized representative of RCAA who is assigned to the Project or any part thereof.
(ff) **RCAA** - The REDWOOD COMMUNITY ACTION AGENCY, may also be referred to as the Owner or RCAA.

(gg) **RCAA Project Representative** - The authorized representative of the RCAA who is assigned to the project site or any part thereof.

(hh) **Service of Notice** - Any notice from one party to the other under the Contract shall be in writing and shall be dated and signed by the party giving such notice or by a duly authorized representative thereof. Any such notice shall not be effective for any purpose whatsoever unless service in the following manner:

(i) If the notice is given to the RCAA by personal delivery thereof, the RCAA'S Project Representative or by depositing the notice in the U.S. mail, enclosed in a sealed envelope addressed to RCAA, 904 G Street, Eureka California 95501 postage prepaid, by certified mail return receipt requested.

(ii) If the notice is given to the Contractor, by personal delivery to the Contractor or its duly authorized representative at the project site or by depositing in the U.S. mail, enclosed in a sealed envelope address to the Contractor on the Contract Form, postage prepaid, by certified mail, return receipt requested.

(iii) If the notice is given to the surety or any other person, by personal delivery to such surety or other person by personal delivery to such surety or other person by depositing in the U.S. mail, enclosed in a sealed envelope, addressed to the surety or other person at the address of such surety or other person last communicated to the party giving the notice, postage prepaid, by certified mail return receipt requested.

(jj) **Shall or Will** – “Shall,” or “Will,” whenever used to stipulate anything, means shall or will be done or be performed by either the Contractor or the RCAA and means that the Contractor or the RCAA has thereby entered into a covenant with the other party to do or perform the same.

(jj) **Shop Drawing** - All drawings, diagrams, illustrations, brochures, schedules and other data which are prepared by the Contractor, a subcontractor, manufacturer, supplier or distributor, which illustrate how specific portions of the Work shall be fabricated or installed.

(kk) **Shown** – “Shown” “indicated” “detailed” and words of like import, wherever and in whatever manner used, with or without reference to the drawings, means shown, indicated or detailed on the drawings or plans.

(ll) **Specifications** - A part of the Contract Documents consisting of written descriptions of a technical nature of materials, equipment, construction systems, standards and workmanship, including the General Conditions and Supplemental General Conditions.

(mm) **Specified** – “Specified” “described” or “noted” wherever and in whatever manner used, means as specified, described or noted in the Contract Documents.

(nn) **Subcontractors** - The term “Subcontractor”, as employed herein, includes only those having a direct contract with the Contractor and it includes one who furnishes material worked to a special design according to the plans or specifications of this work, but does not include one who merely furnishes material not so worked and would be considered a supplier only.
(oo) **Substantial Completion** - That date as certified by the Construction Manager when the construction of the Project or a specified part thereof is sufficiently completed, in accordance with the Contract Documents, so that the Project or specified part can be utilized for the purposes for which it is intended.

The Construction Manager may, at its sole discretion, issue a written notice of substantial completion for the purpose of establishing the starting date for specific equipment guarantees, and to establish the date that the RCAA will assume the responsibility for the cost of operating such equipment. Said notice shall not be considered as final acceptance of any portion of the work or relieve the Contractor from completing the remaining work within the specified time and in full compliance with the Contract Documents.

(pp) **Sufficient** – "Sufficient" "necessary" or "proper" "acceptable" "satisfactory" "desirable" and words of like import, wherever and in whatever manner used, with or without reference to the Engineer, means sufficient, necessary, proper, acceptable, satisfactory and desirable in the judgment of the Engineer.

(qq) **Supplementary Conditions** - Modifications to General Conditions required by a Federal Agency for participation in the PROJECT and approved by the Agency in writing prior to inclusion in the Contract Documents, or such requirements that may be imposed by applicable State laws.

References to “Supplemental General Conditions” in the General Conditions and elsewhere in the Contract Documents shall be construed to read “Supplementary Conditions”

(rr) **Supplier** - Any person or organization who supplies materials or equipment for the Work, including that fabricated to a special design, but who does not perform labor at the site.

(ss) **Time Limits** - All time limits stated in the Contract Documents are of the essence of the Contract.

(tt) **Work** - All the work specified, indicated, shown or contemplated in the Contract to construct the improvements, including all alterations, amendments or extensions thereto made by Contract Change Order or other written orders of the Engineer.

 uu) **Written Notice** - "Written Notice" shall be deemed to have been duly served when delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or if delivered at or sent by registered mail to the last business address known to it who gives the notice.

(vv) Whenever in the Specifications or upon the drawings the words DIRECTED, REQUIRED, PERMITTED, ORDERED, DESIGNATED, PRESCRIBED, or words of like import are used, it shall be understood that the direction, requirement, permission, order, designation or prescription of the Engineer is intended, and similarly the words APPROVED, ACCEPTABLE, SATISFACTORY, or words of like import, shall mean approved or acceptable to, or satisfactory to the Engineer, unless otherwise expressly stated.
SECTION B: GENERAL CONDITIONS

ARTICLE I. SCOPE OF WORK

B-1 Intent of Contract Documents

The intent of the Contract Documents is to prescribe the details for the construction and completion of the work which the Contractor undertakes to perform in accordance with the terms of the Contract. Where the Specifications and plans describe portions of the work in general terms, but not in complete detail, it is understood that only the best general practice is to prevail and that only materials and workmanship of the first quality are to be used. Unless otherwise specified, the Contractor shall furnish all labor, materials, tools, equipment and incidentals and do all the work involved in performing the Contract in a satisfactory and workmanlike manner, ready for use occupancy or operation by the RCAA.

The technical provisions are presented in sections for convenience. However, this presentation does not necessarily delineate trades or limits of responsibility. All sections of the Specifications and plans are interdependent and applicable to the project as a whole.

The Contract Documents are complementary, and what is called for in any one shall be as binding as if called for in all.

Anything shown on the drawings and not mentioned in the specifications or mentioned in the specifications and not shown on the drawings shall have the same effect as if shown or mentioned respectively in both. Any work shown on one drawing shall be construed to be shown in all drawings and the Contractor will coordinate the work and the drawings. If any portion of the Contract Documents shall be in conflict with any other portion, the various documents comprising the Contract Documents shall govern in the following order of precedence: The RCAA-Contractor Contract; the Bid; any Supplementary or Special Conditions; The condition of all permits; Instructions to Bidders; the General Conditions; the Specifications; the Drawings. Technical Specifications take priority over general Specifications and detail Drawings take precedence over general Drawings. As between schedules and information given on Drawings, the Schedules shall govern. As between figures given on Drawings and the scales measurements, the figures shall govern. As between large-scale Drawings and small-scale Drawings, the larger scale shall govern. Any conflict or inconsistency between or in the drawings shall be submitted to the Engineer through the RCAA’S Project Representative or Resident Project Representative in writing. Work done by the Contractor after his discovery of such discrepancies, inconsistencies or ambiguities shall be done at the Contractor's own risk.

B-2 Contractor's Understanding

It is understood and agreed that the Contractor has, by careful examination, satisfied itself as to the nature and location of the work, the conformation of the ground, the character, quality and quantity of the materials to be encountered, the character of equipment and facilities needed preliminary to and during the prosecution of the work, all permit conditions and requirements, the general and local conditions, and all other matters which can in any way affect the work under this Contract. No verbal agreement or conversation with any officer, agent or employee of the RCAA, either before or after the execution of this Contract, shall affect or modify any of the terms or obligations herein contained.
B-3  Changes in the Work

The RCAA may, at any time, by written order make changes in the work including but not limited to: (a) changes in the specifications on drawings; (b) changes in the sequence, method or manner of performance of the work; (c) changes in the owner-furnished facilities, equipment, materials, services or site; or (d) changes directing acceleration of the work. If such changes cause an increase or decrease in the Contractor's cost of, or time required for, performance of the Contract an equitable adjustment will be made and the Contract modified in writing accordingly.

Such modification will be in the form of a Contract Change Order which will set forth the work to be done or the method by which the change and cost adjustment, if any, will be determined, and the time of completion of the work.

The compensation to be paid for any extra work or change shall be determined in one or more of the following ways or at RCAA's sole election:

A. By unit prices previously approved (unit prices previously approved shall be used in all cases for similar units unless mutually agreed that for some reason they are not applicable);

B. By estimate and acceptance of an agreed upon lump sum; or

C. On a time and materials basis involving the actual necessary expenses and other services necessary to complete the work. In addition, there shall be added an amount to be agreed upon but not to exceed fifteen (15) percent of the actual necessary expense to cover other costs that are not covered under labor, equipment, materials, and subcontractors. In the events that items (a) and (b) above are not applicable, then this latter method (c) shall be used. Markup by subcontractors on their work shall not exceed fifteen percent. Contractor's markup on subcontractor's work shall not exceed five (5) percent.

The Contractor shall keep full and complete records of the actual cost of such work in the form and manner prescribed by the Construction Manager and shall permit the Construction Manager to have access to such records as may be necessary to assist in the determination of the compensation payable for such work. The Construction Manager also may at any time by issuing a Field Order make changes in the details of the Work. The Contractor shall proceed with the performance of any change in the work so ordered by the Construction Manager unless the Contractor believes that such Field Order entitles it to a change in the Contract Price or Time, or both in which event the Contractor shall give the Construction Manager written notice thereof within seven (7) days after the receipt of the ordered change. The Contractor shall not execute such changes pending the receipt of an executed change order or further instruction from the RCAA.

If the Contractor is delayed in completing by reason of any change made pursuant to this section, the time for completion of the work shall be extended by change order for a period agreed to, commensurate with such delay. The Contractor shall not be subjected to any claim for liquidated damages for this period of time, but the Contractor shall have no claim for any other compensation for any such delay.

B-4  Procedures and Allowable Costs on Changes
(a) All changes which affect the cost or time of the construction of the project must be authorized by means of a Change Order. The Change Order will include extra work, work for which quantities have been altered from those shown in the bidding schedule, as well as decreases or increases in the quantities of installed units which are different than those shown in the bidding schedule because of final measurements. All changes should be recorded on a Change Order as they occur. Each Change Order must contain complete and detailed justification for all items addressed by the Change Order.

(b) If the change in or addition to the work will result in an increase in the contract sum, the RCAA shall have the right to require the performance thereof in any of the following ways, at RCAA’s sole election:

(ii) By estimate and acceptance of an agreed upon lump sum; or

(iii) On a time and materials basis involving the actual necessary expenses and other services necessary to complete the work. In addition, there shall be added an amount to be agreed upon but not to exceed fifteen (15) percent of the actual necessary expense to cover other costs that are not covered under labor, equipment, materials, and subcontractors. In the events that items (a) and (b) above are not applicable, then this latter method (c) shall be used. Markup by subcontractors on their work shall not exceed fifteen percent. Contractor’s markup on subcontractor’s work shall not exceed five percent (5%).

(c) If the RCAA elects to have the Change in the Work performed on a lump sum basis, such election shall be based on a lump sum proposal which shall be submitted by the contractor within ten (10) days of the RCAA’s request therefore. Request for a lump sum proposal shall not be deemed an election to have the work performed on a lump sum basis. The Contractor’s proposal shall be itemized and segregated by labor and materials for the various components of the change (no aggregate labor total will be acceptable) and shall be accompanied by signed proposals of any subcontractors which will perform any portion of the change, and of any persons who will furnish materials or equipment for incorporation therein. The proposal shall also include the contractor’s estimate of the time required to perform said changes or additional work.

The portion of the proposal relating to labor, whether by the Contractor’s forces or the forces of any of its Subcontractors, may include reasonably anticipated gross wages of Job Site labor, including foremen, who will be directly involved in the Change in the Work (for such time as they will be so involved), plus payroll costs (including premium costs of overtime labor, if overtime is anticipated, social security, Federal or State unemployment insurance taxes and fringe benefits required by collective bargaining agreements entered into by the Contractor or any such Subcontractor in connection with such labor) and up to fifteen percent (15%) of such anticipated gross wages, but not payroll costs as overhead and profit for the Contractor or any such Subcontractor, as applicable (such overhead and profit to include all supervision except foremen.)

The portion of the proposal relating to materials may include the reasonably anticipated direct costs to the Contractor or to any of its Subcontractors of materials to be purchased for incorporation in the Change in the Work, plus transportation and applicable sales or use taxes and up to fifteen percent (15%) of such anticipated gross wages, but not payroll costs, as overhead and profit for the Contractor or any such Subcontractor, as applicable (such overhead and profit to include all supervision except foremen.)
The portion of the proposal relating to materials may include the reasonably anticipated direct costs to the Contractor or to any of its Subcontractors of materials to be purchased for incorporation in the Change in the Work, plus transportation and applicable sales or use taxes and up to fifteen percent (15%) of said direct material costs as indirect costs for the Contractor or any such subcontractor (such indirect costs shall include all small tools), and may further include the Contractor's and any of its Subcontractors' reasonably anticipated rental costs in connection with the Change in the Work (either actual rates or discounted local published rates), plus up to five percent (5%) commission for the Contractor or any such subcontractors, as applicable. If any of the items included in the lump sum proposal are covered by unit prices contained in the contract document, the RCAA may, if it requires the Change in the Work to be performed on a lump sum basis, elect to use these unit prices in lieu of the similar items included in the lump sum proposal in which event an appropriate deduction will be made in lump sum amount. No overhead and profit shall be applied to any unit prices.

The lump sum proposal may include up to five percent (5%) of the amount which the Contractor will pay to any of its Subcontractors for the Change in the Work as a commission to the Contractor.

(d) In the event that the Contractor fails to submit its proposal within the designated period, the Engineer may direct the Contractor to proceed with the Change or Addition to the Work and the Contractor shall so proceed. The Engineer shall determine the reasonable costs and time to perform the Work in question, which determination when approved by RCAA shall be final and binding upon the Contractor.

(e) In the event that the parties are unable to agree as to the reasonable costs and time to perform the change in or addition to the work based upon the Contractor's proposal and the Engineer and RCAA do not elect to have the change in the work performed on a time and material basis, the Engineer and RCAA shall make a determination of the reasonable cost and time to perform the change in the work, based upon their own estimates, the Contractor's submission or combination thereof. A Change Order shall be issued for the amount of costs and time determined by the Engineer and the RCAA and shall become binding upon the Contractor unless the Contractor submits its protest in writing to the RCAA within thirty (30) days of the issuance of the Change Order. The RCAA has the right to direct the Contractor in writing to perform the Change in the Work which is the subject of the Change Order. Failure of the parties to reach agreement regarding the costs and time of the performing the Change in the Work and/or any pending protest shall not relieve the Contractor from performing the Change in the work promptly and expeditiously.

(f) If the RCAA elects to have the Change in the Work performed on a time and material basis, the same shall be performed, whether by the Contractor's forces or the forces of any of its Subcontractors or Sub-subcontractors, at actual costs to the entity or entities performing the Change in the Work (without any charge for administration, clerical expense, supervision or superintendence of any nature whatsoever, including foremen, or the costs, use or rental of tools or plant), plus fifteen percent (15%) to cover other costs that are not covered under labor, equipment, materials, and subcontractors (except that this fifteen percent (15%) shall not be applied against any payroll costs, defined herein with respect to lump sum proposals). If the entity or entities actually performing the work are Subcontractors or Sub-subcontractors, the Contractor shall be allowed five percent (5%) of the total charge of the performing entity or entities (including mark-up) as Contractor's commission. No mark-ups shall be allowed hereunder. The Contractor shall submit to the RCAA daily work and material tickets, to include the identification number assigned to the Change in the Work, the location and description of the Change in the Work, the classification of labor employed (and names and social security numbers), the material used, the equipment rented (not tools) and such other evidence of cost as the RCAA may require. The RCAA may require authentication of all time and material tickets and invoices by persons designated by the RCAA for such purpose. The failure of the Contractor to secure any required authentication shall, if
the RCAA elects to treat it as such, constitute a waiver by the Contractor of any claim for the cost of that portion of the Change in the Work covered by a non-authenticated ticket or invoice; provided, however, that the authentication of any such ticket or invoice by the RCAA shall not constitute an acknowledgment by the RCAA that the items thereon were reasonably required for the Change in the Work.

(g) No Additional percentage for actual necessary expense to cover other costs that are not covered under labor, equipment, materials, and subcontractors will be paid by the RCAA on account of a Change in the Work except as specifically provided in this Section B-4. The additional percentage or commission as allowed under this paragraph, shall be deemed to include all costs and expenses which the Contractor or any of its Subcontractors may incur in the performance of the Change in the Work and which are not otherwise specifically recoverable by them pursuant to this paragraph.

(h) The Contractor shall not be entitled to any amount for indirect costs, damages or expenses of any nature, including, but not limited to, so-called "impact" costs, labor inefficiency, wage, material or other escalations beyond the prices upon which the proposal is based and to which the parties have agreed pursuant to the provisions of this section, and which the Contractor, its Subcontractors and Sub-subcontractors or any other person may incur as a result of delays, interferences, suspensions, changes in sequence or the like, for whatever cause, whether reasonable or unreasonable, foreseeable or unforeseeable, or avoidable or unavoidable, arising from the performance of any and all changes in the work performed pursuant to this section. It is understood and agreed that the Contractor's sole and exclusive remedy in such event shall be recovery of its direct costs as compensable hereunder and an extension of the time of the Contract, but only in accordance with the provisions of the Contract Documents.

The Contractor agrees that it shall not be entitled to claim damages for anticipated profits on any portion of work that may be deleted. The amount of any adjustment for work deleted shall be estimated at the time deletion of work is ordered and the estimated adjustment will be deducted for the subsequent monthly pay estimates.

The RCAA reserves the right to contract with any person or firm other than the Contractor for any or all extra work.

B-5 Unilateral Change in or Addition to the Work

Notwithstanding the above, the RCAA, directly or through the Engineer, may direct the Contractor in writing to perform changes in or additions to the scope of the contract. The Contractor shall perform such work and the parties shall proceed pursuant to the provisions of Section B-4.

B-6 Differing Site Conditions

The Contractor shall promptly, and before the following conditions are disturbed, notify the RCAA in writing of any:

(a) Material that the Contractor believes may be material that is hazardous waste, as defined in Section 25118 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law; or

(b) Subsurface or latent physical conditions at the site differing from those indicated in the Contract Documents; or
Unknown conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract.

The Construction Manager shall thereupon promptly investigate the conditions. If the Construction Manager finds that they do involve hazardous waste, or do materially differ and cause any decrease or increase in the Contractor's cost or time of performance, it will issue a change order as appropriate. Any increase or decrease in the cost of the work or the time for performance shall be adjusted in the manner provided herein for adjustments as to extra and/or additional work and changes. The procedures applicable to claims per extra costs shall then apply.

Contractor shall expect wet soil conditions and encountering deleterious materials that do not constitute a change.

B-7. Claims for Extra Costs

(a) The plans for work show the conditions as they are supposed or believed by the Engineer to exist, but it is neither intended nor to be inferred that the conditions as shown thereon constitute a representation by the RCAA or its officers that such conditions are universally existent nor shall the RCAA or any of its officers or representatives be liable for any loss sustained by the Contractor as a result of any variance between conditions as shown on the Plans and alternate conditions revealed during the progress of the Work, or otherwise.

(b) The RCAA assumes no responsibility for any representations made by any of its officers

(c) or agents during or prior to the execution of this Contract, unless (1) such representations are expressly stated in the Contract, and (2) the Contract expressly provides that the responsibility therefore is assumed by the RCAA.

(d) It is hereby mutually agreed that the Contractor shall not be entitled to the payment of any additional compensation for any cause, including any act, or failure to act, by the Engineer or the RCAA, or the happening of any event, thing or occurrence, unless the Contractor shall have given the Engineer due written notice of potential claims as hereinafter specified.

(e) The written notice of potential claims shall set forth the reasons for which the Contractor believes additional compensation will or may be due, the nature of the costs involved, and, insofar as possible, the amount of the potential claim. Except as provided in Section B-6, the notice as above required shall be given to the Engineer at least 48 hours prior to the time that the Contractor commences performance of the work giving rise to the potential claim for additional compensation. If such notice is not given, the Contractor shall be barred from making any such claim for extra compensation.

(f) The Contractor may submit a claim to the Engineer concerning any matter for which a protest under Section B-3 or a notice of potential claim is filed within sixty (60) days following the submission of said protest or notice, unless, due to the nature of the claim or the uncompleted state of the work, it is impracticable to determine the amount or the extent of the claim within such period, in which case a claim may be submitted at the earliest time thereafter that such determination can be made, but in no event later than the final release by the Contractor provided for in Section B-72. The claims shall set forth clearly and in detail, for each item of additional compensation claimed, the reasons for the claim, reference to applicable provisions of the Specifications, the nature and the amount of the cost involved, the computations used in determining such costs, and all pertinent factual data. The Contractor shall
maintain complete and accurate records of the cost or any portion of the work for which additional compensation is claimed, and shall provide the Engineer with copies thereof, as required.

(g) The Engineer will, within a reasonable time after submission of the Contractor's claim, make decisions in writing on all claims of the Contractor. All such decisions of the Engineer shall be final unless the Contractor shall within ten (10) days after receipt of the Engineer's decision, file with the Engineer a written protest, stating clearly and in detail the basis thereof. Such protest will be forwarded promptly by the Engineer to the RCAA, which will issue a decision upon each such protest, and the RCAA's decision will be final. Pending such decision, the Contractor shall proceed with its work in accordance with the determination or instructions of the Engineer. It is hereby agreed that the Contractor's failure to protest the Engineer's determination or instructions, within ten (10) days from and after the Engineer's determinations or instructions, shall constitute a waiver by the Contractor of all its rights to further protest, judicial or otherwise.

(h) It is the intention of this Section that the differences between the parties, arising under and by virtue of the Contract, be brought to the attention of the Engineer at the earliest possible time in order that such matters may be settled, if possible or other appropriate action promptly taken. The Contractor hereby agrees that it shall have no right to additional compensation for any claim that may be based on any act, failure to act, event, thing or occurrence for which no written notice of potential claim as herein required was timely filed.

(i) In the event of an emergency endangering life or property, the Contractor shall act as stated in Section B-62 herein, and after execution of the emergency work shall present an accounting of labor, materials and equipment in connection therewith. The procedure for any payment that may be due for emergency work will be as specified in Section B-3 herein.

**B-8 Disputes**

Except as otherwise specifically provided in the Contract Documents, the Engineer will initially decide all claims of the Contractor and all disputes arising under and by virtue of the Contract. Such claim or dispute will be processed and decided by the Engineer as soon as practicable after its submission and the submission or availability of any additional information necessary to its decision. If the Contractor is dissatisfied with the Engineer's decision, the Contractor may, within 15 days from the date of the Engineer's decision, follow the procedures set forth in Section B-55. If the Contractor fails to follow the procedures set forth in Section B-55 within the 15 day period, then the Engineer's decision shall be final, conclusive and binding on the Contractor.

**B-9 Guarantee**

(a) In addition to warranties, representations and guarantees stated elsewhere in the Contract Documents, the Contractor unconditionally guarantees all materials and workmanship furnished hereunder, and agrees to replace at its sole cost and expense, and to the satisfaction of the Engineer and the RCAA, any and all materials which may be defective or improperly installed.

(b) The Contractor shall repair or replace to the satisfaction of the Engineer any or all such work that may prove defective in workmanship or materials, ordinary wear and tear excepted, together with any other work which may be damaged or displaced in so doing.

(c) In the event of failure to comply with the above stated conditions within a reasonable time, the RCAA is authorized to have the defect repaired and made good at the expense of the Contractor who will pay the costs and charges therefore immediately upon demand, including any
reasonable management and administrative costs, and engineering, legal and other consultant fees incurred to enforce this section.

(d) The signing of the Contract by the Contractor shall constitute execution of the above guarantees. Except as otherwise provided in this Contract, the guarantees and warranties shall remain in effect through the one-year maintenance warranty period specified in the Faithful Performance Bond.

ARTICLE II. CONTROL OF WORK

B-10 Authority of the Engineer

(a) The Engineer is the representative of the RCAA and has full authority to interpret the Contract Documents, to conduct the construction review and inspection of the Contractor's performance, and to decide questions which arise during the course of the work and its decisions on these matters shall be final and conclusive. The Engineer has the authority to reject all work and materials which do not conform to the Contract Documents, regulatory permits, and has the authority to stop the work whenever such stoppage may be necessary to insure the proper execution of the Contract.

(b) If at any time the Contractor's work force, tools, plant or equipment appear to the Engineer to be insufficient or inappropriate to secure the required quality of work or the proper rate of progress, the Engineer may order the Contractor to increase their efficiency, improve their professional and/or workmanship character, to augment their number or to substitute other personnel, new tools, plant or equipment, as the case may be, and the Contractor shall comply with such order.

Neither the failure of the Engineer to demand such increase of efficiency, number, or improvement, nor the compliance by the Contractor with the demand, shall relieve the Contractor of its obligation to provide quality work at the rate of progress necessary to complete the work within the specified time.

(c) The Engineer shall have the authority to make minor changes in the work, not involving extra costs, and not inconsistent with the purposes of the work.

(d) Any order given by the Engineer, not otherwise required by the Contract Documents to be in writing shall, on request of the Contractor, be given or confirmed by the Engineer in writing.

(e) Whenever work, methods of procedure, or any other matters are made subject to direction or approval, such direction or approval will be given by the Engineer.

(f) The Engineer shall not be responsible for the construction means, controls techniques, sequences procedures or construction safety.

B-11 It is expressly agreed and understood that Michael Love and Associates will have no liability whatsoever resulting from the obligations entered into under the Contract; that the RCAA must look solely to the Contractor for the furnishing of the work; that the Contractor must look solely to the RCAA for payment; and that the RCAA and the Contractor must look solely to each other for the enforcement of any claims or liabilities arising under or by reason of the Contract.

B-12 Drawings
(a) Drawings furnished herewith are for bidding purposes. The RCAA will furnish the Contractor additional copies of the Contract Documents and full-size plans. Additional copies may be obtained by paying the actual cost of reproduction. The Contractor shall have no claim for excusable delay on account of the failure of the RCAA to deliver such drawings unless the RCAA shall have failed to deliver the same within two weeks after receipt of written demand therefore from the Contractor. The Contractor shall keep one copy of said drawings, in good order, available to the RCAA and its representatives, and convenient to the working site. The Contractor shall maintain on the job site and make available to the RCAA on request, one current full-sized marked-up set of design drawings which accurately indicate all variations in the completed work that differ from the design information shown in the plans. If the Contractor, in the course of the work, finds any discrepancy between the drawings and the physical condition of the locality, or any errors or omissions in the drawings, or in the layout as given by points and instructions, it shall be the Contractor's duty to inform the RCAA in writing, and the RCAA will promptly verify the same. Any work done after such discovery, until authorized, will be done at the Contractor's risk. All drawings, Specifications, and copies thereof furnished by the RCAA are the property of the RCAA and shall not be reused on other work and, with the exception of the signed Contract sets, are to be returned to the RCAA, on request, at the completion of the work. All models are the property of the RCAA. The Contractor may be furnished additional instructions and detail drawings by the RCAA as necessary to carry out the work required by the Contract Documents.

The additional drawings and instructions thus supplied, will become part of the Contract Documents. The Contractor shall carry out the Work in accordance with the additional detail drawings and instructions.

(b) The drawings shall be supplemented by such shop drawings prepared by the Contractor as are necessary to adequately control the work. No changes shall be made by the Contractor in any shop drawings after they have been reviewed by the Engineer.

(c) Shop drawings for any structure shall include, but not be limited to: stress sheets, anchor bolt layouts, shop details, and erection plans, which shall be reviewed and accepted by the Engineer before any such work is performed.

(d) Contractor agrees that shop drawings processed by the Engineer are not Contract Change Orders; that the purpose of shop drawings submitted by the Contractor is to demonstrate to the Engineer that the Contractor understands the design concept, that it demonstrates its understanding by indicating which equipment and material it intends to furnish and by detailing the fabrication methods it intends to use.

(e) It is expressly understood, however, that favorable review of the Contractor's shop drawings shall not relieve the Contractor of any responsibility for accuracy of dimensions and details, or for mutual agreements of dimensions and details. It is mutually agreed that the Contractor shall be responsible for agreement and conformity of its shop drawings with the Specifications. Contractor further agrees that if deviations, discrepancies or conflicts between shop drawings and Specifications are discovered either prior to or after shop drawings are processed by the Engineer, the Specifications shall control and shall be followed.

(f) control and shall be followed.

(g) Unless otherwise stated, the Engineer shall have thirty (30) days from the date of receipt of shop drawings for review.

(h) Full compensation for furnishing all shop drawings shall be considered as included in the prices paid for the Contract items of work to which such drawings relate and no additional
compensation will be allowed therefore. Any cost related to the Engineer’s review of any particular set of shop drawings more than twice, due to incompleteness or unacceptability, shall be borne by the Contractor, and the RCAA reserves the right to withhold such costs from payments due the Contractor. When submitted for the Engineer’s review, Shop Drawings shall bear the Contractor’s certification that he has reviewed, checked and approved the Shop Drawings and that they are in conformance with the requirements of the Contract Documents.

(i) That Portion of the Work requiring a Shop Drawing or sample submission shall not begin until the Shop Drawing or submission has been approved by the Engineer. A copy of each approved Shop Drawing and each approved sample shall be kept in good order by the Contractor at the site and shall be available to the Engineer.

(j) Acceptance by the Engineer of any drawing, method of work, or any information regarding materials and equipment the Contractor proposes to furnish shall not relieve the Contractor of his responsibility for any errors therein and shall not be regarded as an assumption of risks or liability by the Engineer or RCAA, or any officer or employee thereof, and the Contractor shall have no claim under the Contract on account of the failure or partial failure or inefficiency or insufficiency of any plan or method or work or material and equipment so accepted. Such acceptance shall be considered to mean merely that the Engineer has no objection to the Contractor using, upon his own full responsibility, the plan or method of work proposed, or furnishing the materials and equipment proposed.

B-13 Permits and Regulations

Permits, licenses, and easements of a temporary or permanent nature, necessary for the execution of the work shall be secured and paid for by the Contractor, except as noted in Section B-32, and herein.

The Contractor shall give all notices and comply with all laws, ordinances, rules and regulations bearing on the conduct of the work as shown on the plans and described in the Specifications. It shall promptly notify the Construction Manager in writing of any specification at variance therewith and any necessary changes shall be adjusted as provided in the Contract for changes in the work. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, rules, and regulations and without such notice to the Construction Manager, it shall bear all costs arising therefrom.

Permit conditions are include in the appendices of the Specifications.

B-14 Conformity with Contract Documents and Allowable Deviations

Work and materials shall conform to the lines, grades, cross sections, dimensions and material requirements, including tolerances, shown on Contract Documents. Although measurement, sampling, and testing may be considered evidence as to such conformity, the Engineer shall be the sole judge as to whether the work or materials deviate from the Specifications and plans, and its decision as to any allowable deviations therefrom shall be final and conclusive.

Whenever a material, article or piece of equipment is identified on the Drawings or Specifications by reference to brand name or catalogue number, it shall be understood that this is referenced for the purpose of defining the performance or other salient requirements and that other products of equal capacities, quality and function shall be considered. The Contractor may recommend the substitution of a
material, article, or piece of equipment of equal substance and function for those referred to in the Contract Documents by reference to brand name or catalogue number, and if, in the opinion of the Engineer, such material, article, or piece of equipment is of equal substance and function to that specified, the Engineer may approve its substitution and use by the Contractor. Any cost differential shall be deductible from the Contract Price and the Contract Documents shall be appropriately modified by Change Order. The Contractor warrants that if substitutes are approved, no major changes in the function or general design of the Project will result. Incidental changes or extra component parts required to accommodate the substitute will be made by the Contractor without a change in the Contract Price or Contract Time.

B-15 Coordination and Interpretation of Contract Documents

(a) The Contract Documents are complementary and a requirement occurring in one is as binding as though occurring in all.

(b) In the event of conflict between the plans and the Technical Specifications, the Technical Specifications shall govern, except that, where items are shown on the plans and are not specifically included in the Technical Specifications, the plans shall govern.

(c) Should it appear that the work to be done or any of the matters relative thereto are not sufficiently detailed or explained in the Specifications and plans, the Contractor shall apply to the Engineer for such further explanations as may be necessary and shall conform to them as part of the Contract. In the event of any doubt or question arising respecting the true meaning of the Specifications and plans, reference shall be made to the Engineer, whose decision thereon shall be final and conclusive.

(d) In the event of any discrepancy between any plans and the figures written thereon, the figures shall be taken as correct. Detailed drawings shall prevail over general drawings.

(e) Any reference made in these Specifications or on the plans to any Specification, standard, method, or publication of any scientific or technical society or other organization shall, in the absence of a specific designation to the contrary, be understood to refer to the Specification, standard, method, or publication in effect as of the date that the work is advertised for Bids.

B-16 Subcontracts

(a) The attention of the Contractor is directed to the provisions of Public Contract Code sections 4100-4113, regarding subcontracting and said provisions are by this reference incorporated herein and made a part hereof.

(b) Each Subcontract shall contain a suitable provision for the suspension or termination thereof should the work be suspended or terminated or should the Subcontractor neglect or fail to conform to every provision of the Contract Documents insofar as such provisions are relevant. No Subcontractor or supplier will be recognized as such, and all persons engaged in work will be considered as employees of the Contractor, and the Contractor will be held responsible for their work, which shall be subject to the provisions of the Contract Documents. The Contractor shall be fully responsible to the RCAA for the acts or omissions of its Subcontractors and of the persons either directly or indirectly employed by him. Nothing contained in the Contract Documents shall create any contractual relationship between any Subcontractor and the RCAA. If a legal action, including arbitration and litigation, against the RCAA is initiated by a Subcontractor or Supplier, the Contractor shall reimburse the RCAA for the amount of legal, engineering and all other expenses incurred by the RCAA in defending itself in said action. A copy of each subcontract must be provided to RCAA.
(c) The RCAA and the Engineer reserve the right to approve all subcontractors. Such approval shall be a consideration to the awarding of the Contract and unless notification to the contrary is given to the Contractor prior to the signing of the Contract, the list of subcontractors which is submitted with its proposal will be deemed to be acceptable.

**B-17 Cooperation of Contractors**

(a) Should construction be under way by other forces or by other Contractors within or adjacent to the limits of the work specified or should work of any other nature be under way by other forces within or adjacent to said limits, the Contractor shall cooperate with all such other contractors or other forces to the end that any delay or hindrance to their work will be avoided. The right is reserved to perform other or additional work at or near the site (including material sources) at any time, by the use of other forces.

(b) When two or more contractors are employed on related or adjacent work, each shall conduct its operation in such a manner as not to cause any unnecessary delay or hindrance to the other. Each contractor shall be responsible to the other for all damage to work, to persons or property caused to the other by its operations, and for loss caused the other due to its unnecessary delays or failure to finish the work within the time specified for completion.

**B-18 Superintendence**

(a) The Contractor shall designate in writing before starting work an individual as authorized representative who shall have the authority to represent and act for the Contractor. This authorized representative shall be present at the site of the work at all times while work is actually in progress on the Contract. When work is not in progress and during periods when work is suspended, arrangements acceptable to the Engineer shall be made for any emergency work which may be required.

(b) The Contractor is solely responsible, at all times, for the superintendence of the work and for its safety and progress.

(c) Whenever the Contractor or its authorized representative is not present on any particular part of the work where it may be desired to give direction, orders will be given by the Engineer, which shall be received and obeyed by the superintendent or foreman who may have charge of the particular work in reference to which the orders are given.

(d) Any order given by the Engineer, not otherwise required by the Specifications to be in writing, will on request of the Contractor, be given or confirmed by the Engineer in writing.

**B-19 Inspection of Work**

(a) Unless otherwise provided, all equipment, materials, and work shall be subject to inspection and testing by the Engineer. The Engineer will observe the progress and quality of the work and determine, in general, if the work is proceeding in accordance with the intent of the Contract Documents. It shall not be required to make comprehensive or continuous inspections to check the quality of the work, and it shall not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the work. Visits and observations made by the Engineer shall not relieve the Contractor of its obligation to conduct
comprehensive inspections of the work and to furnish proper materials, labor, equipment and tools, and perform acceptable work, and to provide adequate safety precautions, in conformance with the intent of the Contract.

(b) Whenever the Contractor varies the period during which work is carried on each day, it shall give due notice to the Engineer so that proper inspection may be provided. Any work done in the absence of the Engineer shall be subject to rejection. Proper facilities for safe access for inspection to all parts of the work shall at all times be maintained for the necessary use of the Engineer and other agents of the RCAA, and agents of the Federal, State, or local governments at all reasonable hours for inspection by such agencies to ascertain compliance with laws and regulations.

(c) inspection by such agencies to ascertain compliance with laws and regulations.

(d) One or more inspectors may be assigned to observe the work and to act in matters of construction under this Contract. It is understood that inspectors shall have the power to issue instructions and make decisions within the limitations of the authority of the Engineer. Such inspection shall not relieve the Contractor of its obligation to conduct comprehensive inspections of the work, to furnish proper materials, labor, equipment and tools, and perform acceptable work, and to provide adequate safety precautions in conformance with the intent of the Contract.

(e) The Engineer and its representatives and the RCAA and its Representative shall at all times have access to the work wherever it is in preparation or progress, and the Contractor shall provide safe and convenient facilities for such access and for inspection. If the Specifications, the Engineer's instructions, laws, ordinances, or any public authority require any material, equipment or work to be specifically tested or approved, the Contractor shall give the Engineer timely notice of its readiness for inspection, and if the inspection is by an authority other than the RCAA, of the time fixed for inspection. Inspections by the Engineer will be made promptly and, where practicable, at the source of supply.

(f) Work performed without inspection may be required to be removed and replaced under proper inspection and the entire cost of removal and replacing, including the cost of RCAA-furnished materials used in the work, shall be borne by the Contractor, regardless of whether or not the work exposed is found to be defective. Examination of questioned work, other than that installed without inspection, may be ordered by the Engineer and, if so ordered; the work must be uncovered by Contractor. If such work is found to be in accordance with the Contract Documents, the RCAA will pay the cost of re-examination and replacement. If such work is found to be not in accordance with the Contract Documents, the Contractor shall pay such cost unless it can show that the defect in the work was caused by another Contractor, and in that event the RCAA will pay such costs.

(g) The inspection of the work shall not relieve the Contractor of its obligation to fulfill the Contract as herein prescribed, or in any way alter the standard of performance provided by the Contractor, and defective work shall be made good and unusable materials may be rejected, notwithstanding that such work and materials have been previously overlooked by the Engineer and accepted or estimated for payment. If the work or any part thereof shall be found defective, Contractor shall, within ten (10) calendar days, make good such defect in a manner satisfactory to the Engineer. If the Contractor shall fail or neglect to make ordered repairs of defective work or to remove the condemned materials from the work within ten (10) calendar days after direction by the Engineer in writing, the RCAA may make the ordered repairs, or remove the condemned materials, and deduct the cost thereof from any monies due the Contractor.

(h) The Contractor shall furnish promptly without additional charge all facilities, labor and materials reasonably needed by the Engineer for performing all inspection and tests. Contractor shall be charged with any additional cost of inspection when material and workmanship are not ready at the time specified by the Contractor for its inspection.
(i) Where any part of the work is being done under an encroachment permit or building permit, or is subject to Federal, State, County or RCAA codes, laws, ordinances, rules or regulations, representatives of the government agency shall have full access to the work and shall be allowed to make any inspection or tests in accordance with such permits, codes, laws, ordinances, rules, or regulations. If advance notice of the readiness of the work for inspection by the governing agency is required, the Contractor shall furnish such notice to the appropriate agency.

(j) The Engineer may inspect the production of the material, or the manufacture of products at the source of supply. Plant inspection, however, will not be undertaken until the Engineer is assured of the cooperation and assistance of both the Contractor and the material producer. The Engineer or its authorized representative shall have free entry at all times to such parts of the plant as concerns the manufacture or production of the materials. Adequate facilities shall be furnished free of charge to make the necessary inspection. The RCAA assumes no obligation to inspect materials at the source of supply.

(k) Forty-eight hours prior to work being accomplished, the Contractor will notify the Engineer of the proposed working hours to accomplish the work for that day. Overtime and shift work may be established as a regular procedure by the Contract and with the written permission of the Engineer. Such permission may be revoked at any time. No work other than overtime and shift work established as a regular procedure shall be done between the hours of 6 p.m. and 7 a.m., nor on Saturdays, Sundays, or legal holidays, except such work as is necessary for the proper care and protection of the work already performed or except in case of an emergency.

All costs for the overtime inspection, including those occurring as a result of overtime and shift work established as a regular procedure, shall be paid for by the Contractor. Overtime inspection shall include inspection required during holidays, Saturdays, Sundays, and any weekday between the hours of 6 p.m. and 7 a.m. Such costs will include, but will not necessarily be limited to, engineering, inspection, general supervision and other expenses which are directly chargeable to the overtime work. All such charges shall be deducted by the RCAA from payment due the Contractor.

(l) A pre-final inspection of the Work will be made by the RCAA and the Engineer. This inspection shall be made as soon as practical after Contractor has notified the RCAA in writing that the Work is ready for this inspection. The pre-final inspection shall be made prior to acceptance of any portion of the work as being substantially complete and prior to filing the Notice of Completion.

A final inspection of all the work will be made by the RCAA, Engineer, and Contractor.

**B-20 Tests**

The RCAA shall witness all tests specified or required by the Technical Specifications. The responsibility for payment for these tests is also outlined in the Technical Specifications. The Engineer will require such tests as it deems necessary to determine the quality of work or compliance with Contract Documents. The Contractor shall furnish promptly without additional charge all facilities, labor, and material reasonably required for performing safe and convenient tests as may be required by the Engineer. All tests by the Engineer will be performed in such a manner as will not unnecessarily delay the work. The Contractor shall not be required to reimburse the RCAA for tests performed by the RCAA or Engineer. If samples of materials are submitted which fail to pass the specified tests, the Contractor shall pay for all subsequent tests.
**B-21 Removal of Rejected and Unauthorized Work and Materials**

(a) All work or materials which have been rejected shall be remedied, or removed and replaced by the Contractor in an acceptable manner and no compensation will be allowed for such removal, replacement, or remedial work.

(b) Any work done beyond the lines and grades shown on the plans or established by the Engineer or any extra work done without written authority will be considered as unauthorized work and will not be paid for. Upon order of the Engineer, unauthorized work shall be remedied, removed, or replaced at the Contractor's expense.

(c) Upon failure of the Contractor to comply with any order of the Engineer made under this Section, the RCAA may cause rejected or unauthorized work to be remedied, removed or replaced, and may deduct the costs therefore from any monies due or to become due the Contractor.

(d) If following the installation of any equipment furnished hereunder, defects requiring correction by the Contractor are found, the RCAA shall have the right to operate such unsatisfactory equipment and make reasonable use thereof until the equipment can be shut down for correction of defects without injury to the RCAA.

**B-22 Deductions for Uncorrected Work**

If the Engineer deems it inexpedient to correct work damaged or not done in accordance with the Contract, an equitable deduction from the Contract price shall be made therefore, and such sum may be withheld by RCAA from Contractor's payment.

**B-23 Equipment and Plants**

(a) Only equipment and plants suitable to produce the quality of work and materials required will be permitted to operate on the project.

(b) Plants will be designed and constructed in accordance with general practice for such equipment and shall be of sufficient capacity to insure the production of sufficient material to carry the work to completion within the time limit.

(c) The Contractor shall provide adequate and suitable equipment and plants to meet the above requirements, and when ordered by the Engineer, shall remove unsuitable equipment from the work and discontinue the operation of unsatisfactory plants.

(d) The Contractor shall identify each piece of its equipment, other than hand tools, by means of an identifying number plainly stenciled or stamped on the equipment at a conspicuous location, and shall furnish to the Engineer a list giving the description of each piece of equipment and its identifying number. In addition, the make, model number and empty gross weight of each unit of compacting equipment shall be plainly stamped or stenciled in a conspicuous place on the unit. The gross weight shall be either the manufacturer's rated weight or the scale weight.

(e) In the case of termination of this Contract before completion from any cause whatever, the Contractor, if notified to do so by the RCAA, shall promptly remove any part or all of its equipment and supplies from the property of the RCAA. If the Contractor fails to do so, the RCAA shall have the right to remove such equipment and supplies at the expense of the Contractor.
**B-24 Character of Worker**

The Contractor shall employ only competent subcontractors or skillful workers to do the work. If any Subcontractor, or person employed by the Contractor or any Subcontractor shall fail or refuse to carry out the directions of the RCAA or its agents or shall appear to the RCAA or its agents to be incompetent or to act in a disorderly or improper manner, it shall be removed from the project work immediately on the requisition of the RCAA or its agents, and such person shall not again be employed on the work. Such discharge shall not be the basis for any claim for compensation or damages against the RCAA, or any of its officers or agents.

**B-25 Separate Contracts**

The RCAA reserves the right to let other contracts in connection with this work. The Contractor shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work, and shall properly connect and coordinate its work with the other contractor's work.

If any part of the Contractor's work depends for proper execution or results upon the work of any other contractor, the Contractor shall inspect and promptly report to the Engineer any defects in such work that render it unsuitable for such proper execution and results. The Contractor's failure to inspect and report shall constitute an acceptance of the other contractor's work as fit and proper for the reception of its work, except as to defects which may develop in the other contractor's work after the execution of its work.

To insure the proper execution of its subsequent work, the Contractor shall measure work already in place and shall at once report to the Engineer any discrepancy between the executed work and the drawings.

The RCAA may perform additional Work related to the Project by himself, or he may let other Contracts containing provisions similar to these. The Contractor will afford the other Contractors who are parties to such Contracts (or the RCAA, if he is performing the additional Work himself), reasonable opportunity for the introduction and storage of materials and equipment and the execution of Work and shall properly connect and coordinate his Work with theirs.

If the performance of additional Work by other Contractors or the RCAA is not noted in the Contract Documents prior to the execution of the Contract, written notice thereof shall be given to the Contractor prior to starting any such additional Work. If the Contractor believes that the performance of such additional Work by the RCAA or others involves him in additional expense or entitles him to an extension of the Contract Time, he may make a claim therefore as provided in Part 3, Article 1, Section B-7 of this Contract.

**B-26 Materials, Services and Facilities**

(a) Unless otherwise specifically stated in the Contract Documents, the Contractor shall furnish all materials, labor, tools, equipment, water, light, power, sanitary facilities, transportation, supervision, temporary construction of any nature on all of the facilities necessary for the execution and completion of the work. Unless otherwise specified, all materials shall be new and shall be manufactured, handled, and installed in a workmanlike manner to insure completion of the work in accordance with the
Contract Documents. The Contractor shall, upon request of the Engineer, furnish satisfactory evidence as to the kind and quality of materials.

(b) Where materials are to be furnished by the RCAA, the type, size, quantity and location at which they are available will be stated in the Contract Documents.

(c) Manufacturers’ warranties, guarantees, instruction sheets and parts listed, which are furnished with certain articles or materials incorporated in the work, shall be delivered to the Engineer before acceptance of the Contract.

Manufactured articles, materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned as directed by the manufacturer.

Materials, supplies and equipment shall be in accordance with samples submitted by the Contractor and approved by the Engineer.

Materials, supplies or equipment to be incorporated into the Work shall not be purchased by the Contractor or the subcontractor subject to a chattel mortgage or under a conditional sale contract or other agreement by which an interest is retained by the seller.

The completed work shall include all necessary permanent safety devices, such as machinery guards and similar ordinary safety items required by the State and Federal (OSHA) industrial safety authorities and applicable local and national codes. Further, any features of the work subject to such safety regulations shall be fabricated, furnished, and installed in compliance with these requirements. Prior to performing Work specified herein, the Contractor shall request an inspection by a State Industrial Safety representative for the purpose of determining that the facilities provided are in compliance with the State and Federal safety requirements. Any facilities which are deemed necessary by official response following the above safety inspection shall be added or corrected as required as a part of the Contract work. However, no payment will be made to the Contractor for such changes or additions to equipment furnished under this Contract since it is a requirement of these Specifications that such equipment be manufactured or fabricated in such a manner as to be in conformance with all Federal, State, and local safety requirements. The Contractor shall notify all manufacturers, equipment suppliers, and subcontractors of the provisions of this article.

In approving equipment for installation in the project, the RCAA and Engineer assume no responsibility for injury or claims resulting from failure of the equipment to comply with applicable National, State, and local safety codes or requirements, or the safety requirements of a recognized agency, or failure due to faulty design concepts, or defective workmanship and materials.

All materials incorporated into the job shall be new, especially purchased for the project unless otherwise specified or agreed in writing. Unless otherwise noted, any equipment offered shall be current modifications which have been in successful regular operation under comparable conditions for a period sufficient to determine the reliability of the product. This time requirement, however, does not apply to minor details nor to thoroughly demonstrated improvements in design or in materials of construction.

Whenever the Contractor shall furnish materials or manufactured articles or shall do work for which no detailed specifications are set forth, the materials or manufactured articles shall be of the best grade in quality and workmanship obtainable in the market from firms of established good reputation, or, if not ordinarily carried in stock, shall conform to the usual standards of first-class materials or articles of the
kind required with due consideration of the use to which they are to be put. In general, the work performed shall be in full conformity and harmony with the intent to secure the best standard of construction and equipment of the work as a whole or in part.

**B-27 Storage of Materials**

Materials shall be so stored as to ensure the preservation of their quality and fitness for the Work. When considered necessary, they shall be placed on wooden platforms or other hard, clean surfaces, and not on the ground, and they shall be placed under cover. Stored materials shall be located so as to facilitate prompt inspection. Private property shall not be used for storage purposes without the written permission of the owner or lessee.

Because of Permit constraints on use of areas directly adjacent to the constructing project, contractor shall provide off-site areas for storing equipment and material if he deems such areas as being inadequate to execute the work.

Electrical equipment, devices, and motors shall be placed in dry and warm storage as approved by the Engineer.

All equipment and materials which are not to be painted (such as aluminum and stainless steel) and all factory finished or coated equipment and materials which are not to be painted, that are installed prior to completion of adjacent work, shall be completely covered and protected.

Articles or materials to be incorporated in the work shall be stored in such a manner as to insure the preservation of their quality and fitness for the work, and to facilitate inspection.

**B-28 Trade Names and Alternatives**

For convenience in designation in the Specifications and plans, certain articles or materials to be incorporated in the work may be designated under a trade name or the name of a manufacturer and its catalog information. The use of an alternative article or material which is of equal quality and of the required characteristics for the purpose intended will be permitted, subject to the following requirements:

1. The burden of proof as to the quality and suitability of alternatives shall be upon the Contractor and it shall furnish all information necessary as required by the Engineer. The Engineer shall be the sole judge as to the quality and suitability of alternative articles or materials and its decision shall be final.

2. Whenever the Specifications and Plans permit the substitution of a similar or equivalent material or article, no tests or action relating to the approval of such substitute material or article will be made until the request for substitution is made in writing by the Contractor accompanied by complete data as to the equality of the material or article proposed. Such request by the Contractor must be made within thirty-five (35) days after award of Contract.

**B-29 Certificate of Compliance**

A Certificate of Compliance shall be furnished prior to the use of any materials on the project, unless otherwise noted in the technical specifications. In addition, when so authorized in the
Specifications, the Engineer may permit the use of certain materials or assemblies prior to sampling and testing if accompanied by a Certificate of Compliance. The Certificate shall be signed by the manufacturer of the material or the manufacturer of assembled materials and shall state that the materials involved comply in all respects with the requirements of the Contract. A Certificate of Compliance shall be furnished with each lot of material delivered to the work and the lot so certified shall be clearly identified in the Certificate.

(b) All materials used on the basis of a Certificate of Compliance may be sampled and tested at any time. The fact that material is used on the basis of a Certificate of Compliance shall not relieve the Contractor of responsibility for incorporating material in the work which conforms to the requirements of the Contract Documents and any such material not conforming to such requirements will be subject to rejection whether in place or not.

(c) The RCAA reserves the right to refuse to permit the use of material on the basis of a Certificate of Compliance.

(d) The form of the Certificate of Compliance and its disposition shall be as directed by the Engineer.

B-30 Assignment

The Contractor shall not assign the Contract or sublet it as a whole or in part without the prior written consent of the RCAA, nor shall the Contractor assign any monies due, or to become due to it hereafter, without the prior written consent of the RCAA.

B-31 Use of Completed Portions, Right to Operate Unsatisfactory Equipment or Facilities

(a) The RCAA may, at any time, and from time to time, during the performance of the work, enter the work site for the purpose of installing any necessary work by the RCAA labor or other contracts, and for any other purpose in connection with the installation of facilities. In doing so, the RCAA shall endeavor not to interfere with the Contractor and the Contractor shall not interfere with other work being done by or on behalf of the RCAA.

(b) If, prior to completion and final acceptance of all the work, the RCAA takes possession of any structure or facility (whether completed or otherwise) comprising a portion of the work with the intent to retain possession thereof (as distinguished from temporary possession contemplating the return to the Contractor), then, while the RCAA is in possession of the same, the Contractor shall be relieved of liability for loss or damage to such structure other than that resulting from the Contractor's fault or negligence. Such taking of possession by the RCAA's shall not relieve the Contractor from any provisions of this Contract respecting such structure, other than to the extent specified in the preceding sentence, nor constitute a final acceptance of such structure or facility.

(c) If, following installation of any equipment or facilities furnished by the Contractor, defects requiring correction by the Contractor are found, the RCAA shall have the right to operate such unsatisfactory equipment or facilities and make reasonable use thereof until the equipment or facilities can be shut down for correction of defects without injury to the RCAA.

B-32 Lands for Work, Right-of-Way Construction Roads
(a) The RCAA will provide the lands, easements, rights-of-way, and/or encroachment permits necessary or other rights to enter and work on lands necessary for the performance of the work. Other permits and licenses are addressed by sections B-13 and B-49. Should the Contractor find it advantageous to use any additional land for any purpose whatever, the Contractor shall provide for the use of such land at its expense. The Engineer shall be furnished with a copy of written agreements or otherwise be notified in writing of additional working space which is acquired. Nothing herein contained and nothing marked on the plans shall be interpreted as giving the Contractor exclusive occupancy of the territory provided by the RCAA. When two or more contracts are being executed at one time on the same or adjacent land in such a manner that work on one contract may interfere with that on another, the Engineer shall decide which contractor shall cease work, and which shall continue, or whether the work on both contracts shall progress at the same time and in what manner, and the decision of the Engineer shall be final and binding. When the territory of one contract is the necessary or convenient means of access for the performance of another contract, such privilege of access or any other reasonable privilege may be granted by the Engineer to the contractor so desiring, to the extent, amount, in the manner, and at the time permitted. No such decision as to the method or time of conducting the work or the use of territory shall be the basis of any claim for delay or damage.

(b) Lands, easements or rights-of-way to be furnished by the RCAA for construction operations will be specifically shown on the Plans.

(c) The Contractor shall maintain all roads necessary to reach the various parts of the work and for the transportation thereto of construction material and personnel. The cost of maintaining such roads shall be borne by the Contractor.

(d) Certain areas of access are limited by permits and require mats or matting for their use. Such mats may be of wood, metal or combination of appropriate geotechnical fabric with gravel overlay. However, at project conclusion all mats must be removed and the surface restored to its original condition. The rocked construction entrances shall remain in place unless noted otherwise on the plans.

B-33 RCAA’s Right to Audit and Preservation of Records

(a) The Contractor shall maintain books, records and accounts of all costs in accordance with generally accepted accounting principles and practices. The RCAA, the Bureau of State Audits, Comptroller General of the United States, and their authorized representatives shall have the right to review and copy any records and supporting documentation pertaining to the performance of this agreement and to interview staff related to the performance of this agreement. Furthermore, the RCAA or its designated representatives shall have the right to audit the books, records and accounts of the Contractor under any of the following conditions:

(1) Contract is terminated for any reason in accordance with the provisions of the Contract Documents in order to arrive at equitable termination costs;

(2) In the event of a disagreement between the Contractor and the RCAA over the amount due the Contractor under the terms of the Contract;

(3) To check or substantiate any amounts invoiced or paid which are required to reflect the costs of the Contractor, or the Contractor’s efficiency or effectiveness under this Contract or in connection with extras, changes, claims, additions, backcharges, or others, as may be provided for in this contract; and/or
(5) If it becomes necessary to determine the RCAA's rights and the Contractor's obligations under the Contract or to ascertain facts relative to any claim against the Contractor which may result in a charge against the RCAA;

(6) To determine any difference in cost occasioned by a permissible substitution;

(7) For any other reason in the RCAA's sole judgment.

(b) If any of the conditions stated in paragraph B-33(a) are satisfied, Contractor shall provide the RCAA (or its representatives), unlimited, reasonable access during working hours to the Contractor's books and records under the conditions stated above. The RCAA's audit rights shall be liberally construed in the RCAA's favor.

(c) The Contractor, from the effective date of final payment or termination hereunder, shall preserve and make available to the RCAA for a period of three (3) years thereafter, at all reasonable times at the office of the Contractor (but without any charge to the RCAA), all its books, records, documents, photographs, micro-photographs, and other evidence bearing on the costs and expenses of the Contractor under this Contract and relating to the work hereunder.

(d) The RCAA will make all payments required of it under this Contract subject to audit, under circumstances stated above, which audit may be performed at the RCAA's option, either during the Contract time period or during the record retention time period. Regardless of authorization, approval or acceptance, signatures or letters which are given by the RCAA and are part of the RCAA's control systems or are requested by the Contractor, the payments made under this Contract shall not constitute a waiver or agreement by the RCAA that it accepts as correct the billings, invoices or other charges on which the payments are based. If the RCAA's audit produces a claim against the Contractor, the RCAA may pursue all its legal remedies even though it has made all or part of the payments required by this Contract.

(e) If any audit by the RCAA or its representative discloses an underpayment by the RCAA pursuant to the terms of the Contract Documents, the RCAA shall have the duty to pay any amount found by the audit to be owed to the Contractor. If such audit discloses an overpayment, the Contractor shall have the obligation to reimburse the RCAA for the amount of the overpayment. The RCAA's right to claim reimbursement from the Contractor of any overpayment shall not be terminated or waived until three years after the completion of the RCAA's audit or upon the termination of audit rights under subparagraph B-33(f), whichever date is later. The obligation of the Contractor to make reimbursements hereunder shall not terminate except as provided by law.

(f) The RCAA's right to audit and the preservation of records shall terminate at the end of three (3) years after the date final payment is made or termination of the Contract. The Contractor shall include this "Right to Audit and Preservation of Records" clause in all subcontracts issued by it shall require the same to be inserted by all lower tier Subcontractors in their subcontracts, for any portion of the work. Should Contractor fail to include this clause in any such contract or lower tier contract, or otherwise fail to insure the RCAA's rights hereunder, Contractor shall be liable to the RCAA for all costs, expenses and attorney's fees which the RCAA may have to incur obtaining or attempting to obtain an audit or inspection of or the restoration of records which otherwise have been available to the RCAA from said persons under this clause. Such audit may be conducted by the RCAA or its authorized representative.

ARTICLE III. PROGRESS AND COMPLETION OF WORK
**B-34 Progress Schedule**

The Contractor shall submit to the RCAA such schedules of quantities and costs, progress schedules, payrolls, reports, estimates, records and other data, where applicable, as are required by the Contract Documents for the Work to be performed.

Prior to the first partial payment estimate, the Contractor shall submit construction progress schedules showing the order in which it proposes to carry on the Work, including dates at which it will start the various parts of the WORK, estimated date of completion of each part and as applicable:

- The dates at which special detail drawings will be required; and
- Respective dates for submission of Shop Drawings, the beginning of manufacture, the testing and the installation of materials, supplies, and equipment.
- The Contractor shall also submit a schedule of payments that it anticipates it will earn during the course of the Work.

The progress schedules shall be submitted regularly and shall cover a time period satisfactory to the Engineer. The Contractor shall also forward to the Engineer, with the request for progress payment each month, a summary report of the progress of the various parts of the Work under the Contract in the shops and in the field, stating the existing status, rate of progress, estimated time of completion, and cause of delay, if any. If the work is behind the submitted schedule, the Contractor shall submit in writing a plan acceptable to the RCAA and Engineer for bringing the Work up to schedule.

**B-35 Commencement and Progress of the Work and Time of Completion**

Prior to the start of construction, the RCAA will conduct a preconstruction conference. At the conference, the RCAA will review the planned development with the Engineer, Contractor, and other interested parties. Items to be reviewed include materials, equipment, rights-of-way, schedules and all arrangements for prosecuting the Work in accordance with the various permits. Funding for this agreement carries with it the requirement for a Labor Compliance Program to assure that the prevailing wage provisions of the Labor Code are being met. The pre-construction conference will also include an overview of fair labor requirements and distribution of documents.

The Contractor shall begin work after receiving a Notice to Proceed and shall diligently prosecute the work to completion as described in the benchmark schedule in the plans. Engineer shall have the right to specify the locations where Contractor shall start and proceed with the work.

It is the interest of the RCAA to issue to Notice to Proceed by **June 15, 2019**.

**B-36 Suspension of Work**

(a) The Engineer may at any time, by notice in writing to the Contractor, suspend any part of the work for such period of time as may be necessary to prevent improper execution of the work on the project by the Contractor, its Subcontractors or agents, and the Contractor shall have no claim for damages or additional compensation on account of any such suspension.

(b) The RCAA may at any time suspend any part or all of the work upon ten (10) days written notice to the Contractor, who shall thereupon discontinue all work suspended except for all operations to
prevent loss or damage to work already executed as may be directed by the Engineer. In the event a part of the work is suspended, the Contractor, if the suspension is not through its fault or the fault of its Subcontractors or agents, shall be paid on the same basis as Extra Work for costs of work performed in accordance with such orders of the Engineer during such suspension, provided that this shall not include any cost pertaining to work not suspended by said notice. Work shall be resumed by the Contractor after such suspension on written notice from the RCAA. In the event of suspension of the entire work by the RCAA, the Contractor, if the suspension is not through fault of the Contractor or the fault of its Subcontractors or agents, shall be paid the sum of $0 for each calendar day during which the entire work shall have been suspended. Said sum is hereby mutually agreed upon as fixed and liquidated damages in full settlement of all costs and expenses, losses and damages resulting to the Contractor from such suspension. Work shall be resumed by the Contractor after such suspension on written notice from the RCAA.

(c) In the event of any suspension of the work in whole or in part under subsection (b) above, the Contractor shall be entitled to an extension of time wherein to complete the work to the extent of the delay caused the Contractor thereby.

(d) In the event the entire work shall be suspended by order of the RCAA, as hereinabove provided, and shall remain so suspended for a period of sixty (60) consecutive days, through no fault of the Contractor, and notice to resume the work shall not have been served on the Contractor as hereinabove provided, Contractor may, at its option, by written notice to the RCAA, terminate the Contract in the same manner as if the termination had been initiated by the RCAA, and the RCAA shall have no claim for damages because of such termination of the Contract.

(e) If, through no act or fault of the Contractor, the Work is suspended for a period of more than ninety (90) days by the RCAA or under an order of Court or other public authority, or the Engineer fails to act on any request for payment within one-hundred and twenty (120) days after it is submitted, or the RCAA fails to pay the Contractor substantially the sum approved by the Engineer or any final award by arbitration or litigation within one-hundred and twenty (120) days of its approval and presentation, then the Contractor may, after ten (10) days from delivery of a written notice to the RCAA and the Engineer, terminate the Contract and recover from the RCAA payment for all Work executed and all expenses sustained.

In addition and in lieu of terminating the Contract, if the Engineer has failed to act on a request for payment or if the RCAA has failed to make any payment as aforesaid, the Contractor may upon ten (10) days written notice to the RCAA and the Engineer stop the Work until he has been paid all amounts then due, in which event and upon resumption of the Work, Change Orders shall be issued for adjusting the Contract Price or extending the Contract Time or both to compensate for the costs and delays attributable to the stoppage of the Work.

If the performance of all or any portion of the Work is suspended, delayed, or interrupted as a result of a failure of the RCAA or Engineer to act within the time specified in the Contract Documents, or if no time is specified, within a reasonable time, an adjustment in the Contract Price or an extension of the Contract Time, or both, shall be made by Change Order to compensate the Contractor for the costs and delays necessarily caused by the failure of the RCAA or Engineer.

If the Contractor intends to file a claim for additional compensation for a delay caused by the RCAA or Engineer at a particular time, he shall file a Notice of Claim with the RCAA within 7 days of the beginning of the occurrence. The Notice of Claim shall be in duplicate, in writing, and shall state the circumstances and the reasons for the Claim, but need not state the amount. No Claim for additional compensation will be considered unless a Notice of Claim has been filed with the RCAA within the time and in the manner stated above. Contractor's failure to file a claim shall constitute a waiver.
B-37 Termination For Default - Damages For Delay - Timely Extension

(a) The Contractor shall at all times employ such force, plant, materials, and tools as will be sufficient, in the opinion of the Engineer, to prosecute the work at not less than the rates fixed under the terms of the Contract and to complete the work or any part thereof within the time limits fixed therein. If the Contractor refuses or fails to prosecute the work, or any separable part thereof, with such diligence as will ensure the completion within the time specified in the Contract, or any extension thereof, or fails to complete said work within such time, the RCAA may, after giving ten (10) days written notice to the Contractor, terminate its right to proceed with the work or such part of the work as to which there has been delay.

(b) The Contractor's right to proceed shall not be so terminated nor the Contractor charged with resulting damage if:

1. The delay in the completion of the work arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor, including but not restricted to Acts of God, acts of the public enemy, acts of the RCAA, acts of another contractor in the performance of a Contract with the RCAA, fires, floods, excluding site flooding due to groundwater, epidemics, quarantine restrictions, unusually severe weather, as determined by the Engineer; and

2. The Contractor shall, within 48 hours of the start of the occurrence, give notice to the RCAA of the cause of the potential delay and an estimate of the possible time extension involved. The Contractor, within seven (7) days from the beginning of any such delay (unless the Engineer grants further period of time before the date of final payment under the Contract), notifies the Engineer in writing of the causes of delay and requests an extension of time. The Engineer shall ascertain the facts and the extent of the delay and extend the time for completing the work when, in its judgment, the findings of fact justify such an extension, and its findings of fact shall be final and conclusive on the parties.

(c) A request for an extension of time, or the granting of an extension of time, shall not constitute a basis for any claim against the RCAA for additional compensation or damages unless caused by the RCAA or another contractor employed by the RCAA.

(d) If the Contractor should be adjudged bankrupt, or if it should make a general assignment for the benefit of its creditors, or if a receiver should be appointed for the Contractor on account of its insolvency and not be discharged within ten (10) days after its appointment, or if the Contractor should fail to make prompt payments to subcontractors or suppliers, or should it persistently disregard laws, ordinances, or the instructions of the Engineer, or otherwise commit a substantial violation of any provisions of the Contract, the RCAA may, after giving ten (10) days written notice to the Contractor, terminate the Contract and the Contractor's right to proceed with the work.

(e) No extension of time will be considered for time lost due to weather conditions normal to the area. Unusual weather conditions, if determined by the Engineer to be of a severity that could not be predicted, may be considered as cause for an extension of Contract completion time.

(f) Delays in delivery of equipment or material purchased by the Contractor or his subcontractors shall not be considered as a just cause for delay. The Contractor shall be fully responsible for the timely ordering, scheduling, expediting delivery, and installation of all equipment and materials.
The rights and remedies of the RCAA provided in this section are in addition to any of the rights and remedies provided by law or under this Contract.

In addition to the RCAA's rights under this section, if at any time before completion of the work under the Contract, it shall be determined by the RCAA that reasons beyond the control of the parties hereto render it impossible or against the interests of the RCAA to complete the work, or if the work shall be stopped by an injunction of a court of competent jurisdiction or by order of any competent authority, the RCAA may, upon ten (10) days written notice to the Contractor, discontinue the work and terminate the Contract. Upon service of such notice of termination, the Contractor shall discontinue the work in such manner, sequence, and at such times as the Engineer may direct. The Contractor shall have no claim for damages for such discontinuance or termination, nor any claim for anticipated profits on the work thus dispensed with, nor any other claim except for the work actually performed up to the time of discontinuance, including any extra work ordered by the Engineer to be done, nor for any claim for liquidated damages in accordance with the provisions of Section B-39.

B-38 Rights of RCAA Upon Termination

In the event the right of the Contractor to proceed with the work, or any portion thereof, has been terminated because of the fault of the Contractor and the Contractor has been given ten (10) days’ notice to cure such fault and has not done so, the RCAA may take over the work and prosecute the same to completion by contract or any other method the RCAA deems expedient, and may take possession of and utilize in completing the work such materials, appliances, equipment and plant as may be on the site of the work and necessary therefore. Whether or not the Contractor’s right to proceed with the work is terminated, it and its sureties shall be liable for all damages including costs of managerial and administrative services, engineering, legal and other consultant fees, sustained or incurred by the RCAA in enforcing the provisions of Section B-37 and in completing or causing to complete the Contract work.

Upon termination the Contractor shall not be entitled to receive any further payment until the work is finished. If upon completion of the work the total cost to the RCAA, including engineering, legal and other consultant fees, costs of managerial and administrative services, construction costs, and liquidated damages shall be less than the amount which would have been paid if the work had been completed by the Contractor in accordance with the terms of the Contract, then the difference shall be paid to the Contractor in the same manner as the final payment under the Contract. If the total cost incurred by the RCAA on account of termination of the Contract and subsequent completion of the work by the RCAA by whatever method the RCAA may deem expedient shall exceed said amount which the Contractor would otherwise have been paid, the Contractor and its sureties shall be liable to the RCAA for the full amount of such excess expense.

B-39 Failure to Complete the Work in the Time Agreed Upon - Liquidated Damages

It is agreed by the parties to the Contract that time is of the essence; and that in case all the work is not completed before or upon the expiration of the time limit as set in the Bid, Contract and Progress Schedule, or within any time extensions that may have been granted, damage will be sustained by the RCAA; and that it may be impracticable to determine the actual amount of damage by reason of such delay; and it is, therefore, agreed that the Contractor shall pay to the RCAA as damages the amount of $1,500.00 per day for each and every day's delay in finishing the work by October 31, 2019. The parties expressly agree that this liquidated damage clause is reasonable under the circumstances existing at the time the Contract was made. The RCAA shall have the right to deduct the amount of liquidated damages from any money due or to become due the Contractor.
(b) In addition, the RCAA shall have the right to charge to the Contractor and to deduct from the final or progress payments for the work the actual cost to the RCAA of legal, engineering, inspection, superintendence, and other expenses, which are directly chargeable to the Contract and which accrue during the period of such delay, except that the cost of final inspection and preparation of the final estimate shall not be included in the charges.

(c) Exclusions - Notwithstanding the provisions of subsection (a), the Contractor shall not be liable for liquidated damages or delays caused by the removal or relocation of utilities when such removal or relocation is the responsibility of the RCAA or the owner of the utility under Government Code Section 4215.

B-40 Clean-up

During the progress of the work, the Contractor shall maintain the site and related structures and equipment in a clean, orderly condition and free from unsightly accumulation of rubbish. Upon completion of work and before the final estimate is submitted, the Contractor shall at its own cost and expense remove from the vicinity of the work all plants, buildings, rubbish, unused work materials, concrete forms, and temporary bridging and other like materials, belonging to it or used under its direction during the construction, and in the event of its failure to do so, the same may be removed by the RCAA after ten (10) calendar days' notice to the Contractor, such removal to be at the expense of the Contractor. Where the construction has crossed yards or driveways, they shall be restored by the Contractor to the complete satisfaction of the Engineer, at the Contractor's expense.

ARTICLE IV. LEGAL RELATIONS AND RESPONSIBILITY

B-41 Compliance with Laws - Permits, Regulations, Taxes

Contractor is an independent contractor and shall at its sole cost and expense comply with all laws, rules, ordinances and regulations of all governing bodies having jurisdiction over the work, obtain all necessary permits and licenses therefore, pay all manufacturers' taxes, sales taxes, use taxes, processing taxes, and all Federal and state taxes, insurance and contributions for social security and unemployment which are measured by wages, salaries or any remuneration paid to Contractor's employees, whether levied under existing or subsequently enacted laws, rules or regulations. Contractor shall also pay all property tax assessments on materials or equipment used until acceptance by the RCAA. If any discrepancy or inconsistency is discovered in the Plans or Specifications, or in this Contract in relation to any such law, rule, ordinance, regulation, order or decree, the Contractor shall forthwith report the same to the Engineer in writing. It shall also protect and indemnify the RCAA, the Engineer, and all of the RCAA's officers, agents, and servants against any claim or liability arising from or based upon the violation of any such law, rule, ordinance, regulation, order or decree, whether by the Contractor itself or by its employees. Particular attention is called to the following:

(1) Without limitation, materials furnished and performance by Contractor hereunder shall comply with Safety Orders of the Division of Industrial Safety, State of California, Federal Safety regulations of the Bureau of Labor, Department of Labor; and any other applicable Federal regulations.

(2) The Contractor, upon request, shall furnish evidence satisfactory to the RCAA and Engineer that any or all of the foregoing obligations have been or are being fulfilled. The Contractor warrants to the RCAA that it is licensed by all applicable governmental bodies to perform this Contract and will remain so licensed throughout the progress of the work, and that it has, and will have, throughout
the progress of the work, the necessary experience, skill and financial resources to enable it to perform this Contract.

(3) Project permits will be provided to the awarded contractor. The permit conditions have been included in the appendices of these specifications.

B-42 Prevailing Wage

(a) This is a Public Works Project funded with CA State funds (Proposition 84, 1E, 40, and 1). Therefore CA State prevailing wage rates are required on this project. See Federal Provisions for federal prevailing wage requirements.

(b) In accordance with the provisions of section 1720 et seq. of the Labor Code, the Division of Labor Standards and Research has determined the general prevailing rates or wages and employer payments for health and welfare, pension, vacation, travel time, and subsistence pay as provided for in section 1773.8. Prior to each pay period, the Contractor shall review the General Prevailing Wage Rates applicable to this project and verify that the correct wage rates are being paid. The most current wage rates are available from the California Department of Industrial Relations’ Internet web site at http://www.dir.ca.gov/DLSR/PWD. Contractor will be required to comply with any changes in these wage rates as they are updated by the State government during the course of the job at no cost to the Owner.

(c) It is mandatory upon the Contractor herein and upon any Subcontractor to pay not less than the said specified rates to all laborers, workers and mechanics employed by them in the execution of the Agreement pursuant to CA Labor Code 1774.

(d) Attention is directed to the provisions in section 1777.5 and sections 1777.6 of the Labor Code concerning the requirement to employ apprentices by the Contractor or any Subcontractor under it.

(e) The Contractor shall comply with and shall cause his subcontractors to comply with all laws and regulations governing the contractor’s and subcontractor’s performance on this project including, but not limited to: anti-discrimination laws, workers’ compensation laws, and prevailing wage laws as set forth in CA Labor Code, Sections 1720-1861 et seq. and licensing laws, as well as Federal Labor Standards set forth in the Davis-Bacon Act (40 USC 276(a-a5), the Copeland “Anti-Kickback” Act (40 USC 276©; and the Contract Work Hours and Safety Standards Act (CWHSSA) (40 USC 327-333). The contractor is required to include the prevailing wage language in all subcontracts pursuant to CA Labor Code 1775(E)(b)(1). The Contractor shall post, at appropriate conspicuous points on the site of the Project, a schedule showing all the determined general prevailing wage rates.

(f) The Contractor agrees to comply with Labor Code Section 1775 (Payment of the Prevailing Wage Rates) and Labor Code 1776 (keeping accurate records) and Labor Code 1777.5, placing responsibility for compliance with the statutory requirements for all apprenticeable occupations on the prime contractor. The Contractor shall comply with the requirements imposed by the California Labor Code Sections 1720 through 1861 regarding public works projects and prevailing wage laws and sections 16000-16800 of the CA Code of Regulations.

(g) Each worker needed to execute the work must be paid travel and subsistence payments as defined in the applicable collective bargaining agreements filed in accordance with Labor Code Section 1773.8.

(h) Holiday and overtime work when permitted by law shall be paid for at a rate of at least one and one-half times the above specified rate of per diem wages, unless otherwise specified.
(i) The Contractor shall forfeit as penalty to the RCAA the sum of fifty dollars ($50) for each calendar day or portion thereof for each worker (whether employed by the Contractor or Subcontractor) for violating the following labor codes; CA Labor Code 1813 for overtime, 1775 for underpayment of the prevailing wage, and 1776 for inaccurate or incomplete payroll records.

(j) Per Labor Code Section 1776, the Contractor and subcontractors shall maintain and furnish to the RCAA’s Labor Compliance Officer at designated times, a certified copy of each weekly payroll containing a statement of compliance signed under the penalty of perjury. The RCAA will audit payroll records to verify compliance and will withhold contract payments when payroll records are delinquent or inadequate. Withheld contract payments shall be equal to the amount of underpayment and applicable penalties when, after investigation, it is established that underpayment has occurred.

(k) The RCAA will not recognize any claims for additional compensation because of the payment of the wages set forth in the Contract Documents. The possibility of wage increases during the course of the job is one of the elements to be considered by the Contractor in determining its proposal, and will not under any circumstances be considered as the basis of a claim against the RCAA or the Engineer.

(l) The Contractor shall at all times keep posted at the jobsite current wage rates in effect for this Work in addition to other required employee notifications or postings.

B-43 Labor Discrimination and Labor Compliance

Attention is directed to Section 1735 of the Labor Code, which reads as follows:

No discrimination shall be made in the employment of persons upon public works because of the race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, or sex of such persons, except as provided in Section 12940 of the Government Code, and every Contractor for public works violating this section is subject to all the penalties imposed for a violation of this chapter.

(a) Pursuant to Labor Code section 1771.4, the Contract for this Project, if awarded on or after January 15, 2015, is subject to compliance monitoring and enforcement by the California Department of Industrial Relations.

(b) On each job site that is subject to compliance monitoring and enforcement by the Department of Industrial Relations under this subchapter, the prime contractor shall post a Notice containing the following language:

(c) “This public works project is subject to monitoring and investigative activities by the Compliance Monitoring Unit (CMU) of the Division of Labor Standards Enforcement, Department of Industrial Relations, State of California. This Notice is intended to provide information to all workers employed in the execution of the contract for public work and to all contractors and other persons having access to the job site to enable the CMU to ensure compliance with and enforcement of prevailing wage laws on public works projects.
(d) “The prevailing wage laws require that all workers be paid at least the minimum hourly wage as determined by the Director of Industrial Relations for the specific classification (or type of work) performed by workers on the project. These rates are listed on a separate job site posting of minimum prevailing rates required to be maintained by the public entity which awarded the public works contract. Complaints concerning nonpayment of the required minimum wage rates to workers on this project may be filed with the CMU at any office of the Division of Labor Standards Enforcement (DLSE).

(e) Local Office Telephone Number: 1-844-522-6734

(f) “Complaints should be filed in writing immediately upon discovery of any violations of the prevailing wage laws due to the short period of time following the completion of the project that the CMU may take legal action against those responsible.

(g) “Complaints should contain details about the violations alleged (for example, wrong rate paid, not all hours paid, overtime rate not paid for hours worked in excess of 8 per day or 40 per week, etc.) as well as the name of the employer, the public entity which awarded the public works contract, and the location and name of the project.

(h) “For general information concerning the prevailing wage laws and how to file a complaint concerning any violation of these prevailing wage laws, you may contact any DLSE office. Complaint forms are also available at the Department of Industrial Relations website found at www.dir.ca.gov/dlse/PublicWorks.html.”

B-44 Eight-Hour Day Limitation

(a) In accordance with the provisions of the Labor Code, and in particular, Sections 1810 to 1815 thereof, inclusive, eight hours labor shall constitute a day's work, and no worker, in the employ of said Contractor, or any Subcontractor, doing or contracting to do any part of the work contemplated by this Contract, shall be required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of those provisions; provided that subject to Labor Code Section 1815, a worker may perform work in excess of either eight (8) hours per day or forty (40) hours during any one week upon compensation for all hours worked in excess of eight (8) hours per day or forty (40) hours during any one week at not less than the rate of compensation required by Labor Code Section 1815.

(b) The Contractor and each Subcontractor shall also keep an accurate record showing the names, addresses, social security numbers, work classifications, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by the Contractor and by the Subcontractor in connection with the work specified herein, which record shall be open at all reasonable hours to the inspection of the RCAA, State and Federal officers and agents; and it is hereby further agreed that, except as provided in (a) above, the Contractor shall forfeit as a penalty to the RCAA the sum of fifty dollars ($50) for each worker employed in the performance of this Contract by it or by any Subcontractor under it for each calendar day during which such worker is required or permitted to labor more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of Sections 1810 through 1815.

B-45 Compliance with State Requirements for Employment of Apprentices

The Contractor's attention is directed to Section 1777.5 through 1777.2 of the Labor Code; provisions of those Sections pertaining to employment of registered apprentices are hereby incorporated by reference into these Specifications. As applicable, the Contractor or any Subcontractor employed by it
in the performance of the Contract work shall take such actions as necessary to comply with the provisions of Section 1777.5.

**B-46 Underground Utilities**

In accordance with Government Code Section 4215, the Contractor shall be compensated for the costs of locating, repairing damage not due to the failure of the Contractor to exercise reasonable care, and removing or relocating existing main or trunkline utility facilities not indicated in the Contract Plans and Specifications with reasonable accuracy, and for the equipment on the project necessarily idled during such work; provided that the Contractor shall first notify the Engineer before commencing work on locating, repairing damage to, removing or relocating such utilities.

**B-47 Water Pollution**

The Contractor shall exercise every reasonable precaution to protect streams, lakes, reservoirs, and canals from pollution with fuels, oils, bitumens, calcium chloride, and other harmful materials and shall conduct and schedule its operations so as to avoid or minimize muddying and silting of said streams, lakes, reservoirs, and canals. Care shall be exercised to preserve vegetation beyond the limits of construction disturbance. The Contractor shall comply with Section 5650 of the California Fish and Wildlife Code and all other applicable statutes and regulations relating to the prevention and abatement of water pollution.

**B-48 Payment of Taxes**

The Contract prices paid for the work shall include full compensation for all taxes which the Contractor is required to pay, whether imposed by Federal, State, or local governments.

**B-49 Permits and Licenses**

Except as otherwise provided in this Contract, the Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the lawful prosecution of the work.

**B-50 Patents**

The Contractor shall pay all applicable royalties and license fees and assume all costs arising from the use of patented materials, equipment and devices. The Contractor shall defend all suits or claims for infringement of any patent rights and save the RCAA and Engineer and their duly authorized representatives harmless from loss on account thereof, except that the RCAA shall be responsible for any such loss when a particular process, design, or the product of a particular manufacturer or manufacturers is specified; however if the Contractor has reason to believe that the design, process or product specified is an infringement of a patent, he shall be responsible for such loss unless he promptly gives such information to the Engineer.

**B-51 Public Convenience**

(a) This section defines the Contractor's responsibility with regard to convenience of the public and public traffic in connection with its operations.
(b) The Contractor shall so conduct its operations as to offer the least possible obstruction and inconvenience to the public and it shall have under construction no greater length or amount of work than it can prosecute properly with due regard to the rights of the public.

(c) Unless otherwise provided in the Contract Documents, all public traffic shall be permitted to pass through the work with as little inconvenience and delay as possible.

(d) Spillage resulting from hauling operations along or across any publicly traveled way shall be removed immediately by the Contractor at its expense.

(e) Construction operations shall be conducted in such a manner as to cause as little inconvenience as possible to abutting property owners.

(f) Convenient access to driveways, houses and buildings along the line of the work shall be maintained and temporary approaches to crossings or intersecting highways shall be provided and kept in good condition. When the abutting property owner's access across the right-of-way line is to be eliminated, or to be replaced under the Contract by other access facilities, the existing access shall not be closed until the replacement access facilities are usable.

(g) Water shall be supplied if ordered by the Engineer for the alleviation or prevention of dust nuisance as provided in the Contract Documents.

(h) In order to expedite the passage of public traffic through or around the work and where ordered by the Engineer, the Contractor shall install signs, lights, flares, barricades, and other facilities for the sole convenience and direction of public traffic. Also, where directed by the Engineer, the Contractor shall provide and station competent flagpersons whose sole duties shall consist of directing the movement of public traffic through or around the work. The cost of furnishing and installing such signs, lights, flares, barricades, and other facilities, and the cost of providing and stationing such flagpersons, all for the convenience and direction of public traffic, will be considered as included in the Contract price and no additional compensation will be allowed.

(i) Flagpersons and guards, while assigned to traffic control, shall perform their duties and shall be provided with the necessary equipment in accordance with the current "Instructions to Flagmen" of the California Department of Transportation. The equipment shall be furnished and kept clean and in good repair by the Contractor at its expense.

B-52 Safety

(a) General - The Contractor shall be solely and completely responsible for the conditions of the job site, including safety of all persons and property during performance of the work. This requirement shall apply continuously and not be limited to normal working hours. Safety provisions shall conform to all applicable Federal, State, and local laws, ordinances, and codes, and to the rules and regulations established by the California Division of Industrial Safety, and to other rules of law applicable to the work.

(b) The services of the Engineer in conducting construction review of the Contractor's performance is not intended to include review of the adequacy of the Contractor's work methods, equipment, bracing or scaffolding or safety measures, in, on, or near the construction site, and shall not
be construed as supervision of the actual construction nor make the Engineer or the RCAA responsible for providing a safe place for the performance of work by the Contractor, subcontractors, or suppliers; or for access, visits, use work, travel or occupancy by any person.

(c) The Contractor shall carefully instruct all personnel working in potentially hazardous work areas as to the potential dangers and shall provide such necessary safety equipment and instruction as is necessary to prevent injury and damage to property. The Contractor shall appoint for the duration of this Contract, a qualified supervisor employee to develop and/or supervise the Contractor’s job safety program that will effectively implement the safety provisions of the above agencies.

The Contractor, as a part of his safety program, shall maintain at its office or other well-known place at the job site, safety equipment applicable to the Work as prescribed by the aforementioned authorities, all articles necessary for giving first aid to the injured, and shall establish the procedure for the immediate removal to a hospital or a doctor’s care of persons (including employees) who may be injured on the job site.

If death or serious injuries or serious damages are caused, the accident shall be reported immediately by telephone or messenger to both the Engineer and the RCAA and to all authorities the Contractor is required to report to. In addition, the Contractor must promptly report in writing to the Engineer all accidents whatsoever arising out of, or in connection with, the performance of the Work whether on, or adjacent to, the site, giving full details and statements of witnesses.

If any claim is made by anyone against the Contractor or any subcontractor on account of any accident, the Contractor shall promptly report the facts in writing to the Engineer, giving full details of the claim.

(c) All work and materials shall be in strict accordance with all applicable State, Federal and local laws, rules, regulations, and codes.

(d) Nothing in this Contract is to be construed to permit work not conforming to governing law. When Contract Documents differ from governing law, the Contractor shall furnish and install the higher standards called for without extra charge. All equipment furnished shall be grounded and provided with guards and protection as required by safety codes. Where vapor-tight or explosion-proof electrical installation is required by law, this shall be provided.

(e) Shoring and Trench Safety Plan - Attention is directed to Section 832 of the Civil Code of the State of California relating to lateral and subjacent support, and the Contractor shall comply with this law. This is a requirement of the Contractor and by submitting to the RCAA or their representative, does not relieve the contractor of their responsibility for all aspects of site safety.

(f) Trenching and Worker Protection - In accordance with Section 6705 of the State Labor Code, the Contractor shall submit to the RCAA specific plans to show details of provisions for worker protection from caving ground. Not less than thirty (30) days before beginning excavation for any trench or trenches five (5) feet or more in depth required under this Contract, the Contractor shall furnish to the Engineer working drawings of its trench safety plan. The trench safety plan working drawings shall be detailed plans showing the design of shoring, bracing, sloping or other provisions to be made for worker protection from the hazard of caving ground. If such plan varies from the shoring system standards established by the Construction Safety Orders of the California Department of Industrial Relations or the Federal Safety and Health Regulations for Construction of the Occupational Safety and Health Administration, Department of Labor, the plan shall be prepared by a registered civil or structural engineer. In no event shall the Contractor use a shoring, sloping, or protective system less effective
than that required by said Construction Safety Orders, or less effective than that required by said Federal Safety and Health Regulations for Construction. The RCAA and their representatives shall receive the Contractor’s Plan, but shall not review the plan for adequacy or compliance with state and federal requirements. It is the Contractor’s responsibility to fully comply with state and federal safety requirements at all times during the job. Submission of this plan in no way relieves the Contractor from the requirement to maintain safety in all operations performed by it or its Subcontractors.

(g) Hazardous Wastes and Unforeseen Conditions - In accordance with Section 7104 of the State Public Contract Code, if the work contemplated hereunder involves digging trenches or other excavations that extend deeper than four feet below the surface, the Contractor shall promptly, and before the following conditions are disturbed, notify the RCAA, in writing, of any: (i) material that the Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law; (ii) Subsurface or latent physical conditions at the site differing from those indicated; or (iii) unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract. The RCAA shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in the Contractor's cost of, or the time required for, performance of any part of the Work shall issue a change order under the procedures described herein. In the event that a dispute arises between the RCAA and the Contractor whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of the Work, the Contractor shall not be excused from any scheduled completion date provided for herein, but shall proceed with all Work to be performed hereunder. The Contractor shall retain any and all rights provided either by contract or by law which pertain to the resolution of disputes and protests between the RCAA and Contractor.

(h) The Contractor shall perform all Work in a fire-safe manner. He shall supply and maintain onsite adequate firefighting equipment capable of extinguishing incipient fires. The Contractor shall comply with applicable federal, state, and local fire prevention regulations and where the regulations do not cover, with applicable parts of the National Fire Prevention Standard for “Safeguarding Building Construction Operations,” (NFPA No. 241).

B-53 Protection of Person and Property

(a) The Contractor shall take whatever precautions are necessary to prevent damage to all existing improvements, including above ground and underground utilities, trees, shrubbery that is not specifically shown to be removed, fences, signs, mailboxes, survey markers and monuments, buildings, structures, the RCAA's property, adjacent property, and any other improvements or facilities within or adjacent to the work. If such improvements or property are injured or damaged by reason of the Contractor's operations, they shall be replaced or restored, at the Contractor's expense, to a condition at least as good as the condition they were in prior to the start of the Contractor's operations.

(b) The Contractor shall adopt all practical means to minimize interference to traffic and public inconvenience, discomfort or damage. The Contractor shall protect against injury any pipes, conduits or other structures, crossing the trenching or encountered in the work and shall be responsible for any injury done to such pipes or structures, or damage to property resulting therefrom. The Contractor shall support or replace any such structures without delay and without any additional compensation to the entire satisfaction of the Engineer. All obstructions to traffic shall be guarded by barriers illuminated at night. The Contractor shall be responsible for all damage to persons and property directly or indirectly caused by its operations and, under all circumstances, the Contractor must comply with the laws and regulations of the County and the State of California relative to safety of persons and property and the interruption of traffic and the convenience of the public within the respective jurisdictions.
(c) The Contractor is cautioned that it must replace all improvements in rights-of-way and within the public streets to a condition equal to what existed prior to the Contractor's entry onto the job.

(d) Type and time of construction required at any road subject to interference by Contract work will be determined by those authorities responsible for maintenance of said road. It shall be the responsibility of the Contractor to determine the nature and extent of all such requirements, including provision of temporary detours as required; however, the construction right-of-way obtained by the RCAA at affected roadways will be adequate for provision of all required detours. As required at any road crossing, the Contractor shall provide all necessary flagpersons, guardrails, barricades, signals, warning signs and lighting to provide for the safety of existing roads and detours. Immediately after the need for temporary detours ceases, or when directed, the Contractor shall remove such detours and perform all necessary cleanup work, including replacement of fences, and removal of pavement. Included shall be all necessary replacement of existing roadway appurtenances, grading work, soil stabilization and dust control measures, as required and directed. The cost of all work specified under this Section shall be borne by the Contractor.

(e) The Contractor shall examine all bridges, culverts, and other structures over which it will move its materials and equipment, and before using them, it shall properly strengthen such structures where necessary. The Contractor shall be responsible for any and all injury or damage to such structures caused by reason of its operations.

B-54 Responsibility for Repair of Facilities

All public or private facilities, including but not limited structures, telephone cables, roadways, parking lots, private drives, levees and embankments disturbed during construction of the work shall be repaired and/or replaced by the Contractor to match facilities existing prior to construction. In addition, the Contractor shall be responsible for any settlement damage to such facilities or adjoining areas for a period of one year after acceptance of such required facilities.

The Contractor's attention is directed to the many water services and sewer laterals crossing the road. It is the Contractor's responsibility to protect these laterals and repair damage. RCAA crews are not available to repair water services disturbed by construction.

B-55 Resolution of Construction Claims

(a) For any claim arising under this contract, the following procedures will apply:

(1) The claim must be in writing and include the documents necessary to substantiate the claim. Claims must be filed on or before the day of final payment. Nothing in this subsection is intended to extend the time limit or supersede notice requirements for the filing of claims as set forth elsewhere in this contract.

(b) The Contractor shall proceed with the work in accordance with the plans and specifications and determinations and instructions of the RCAA Engineer during the resolution of any claims disputes.

B-56 RCAA's Repair
In the event the Contractor refuses or neglects to make good any loss or damage for which the Contractor is responsible under this Contract, the RCAA may itself, or by the employment of others, make good any such loss or damage, and the cost and expense of doing so, including any reasonable engineering, legal and other consultant fees, and any costs of administrative and managerial services, shall be charged to the Contractor. Such costs and expenses may be deducted by the RCAA from claims for payment made by the Contractor for work completed or remaining to be completed.

**B-57 Antitrust Claim Assignment**

In entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to this contract, the Contractor and all subcontractors shall offer and agree to assign to the RCAA all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services or materials pursuant to the public works contract or subcontract. This assignment shall be made and become effective at the time the RCAA tenders final payment to the Contractor, without further acknowledgement by the parties.

**B-58 Waiver of Right to Rescind For Material Breach**

The Contractor agrees that it can be adequately compensated by money damages for any breach of this Contract which may be committed by the RCAA and hereby agrees that no default, act, or omission of the RCAA or the Engineer, except for failure to make progress payments as a required by Section B-68, shall constitute a material breach of the Contract entitling the Contractor to cancel or rescind the provisions of this Contract or (unless the RCAA shall so consent or direct in writing) to suspend or abandon performance of all or any part of the work. The Contractor hereby waives any and all rights and remedies to which it might otherwise be or become entitled, save only its right to money damages.

**B-59 Contractor's License Notice**

CONTRACTORS ARE REQUIRED BY LAW TO BE LICENSED AND REGULATED BY THE CONTRACTORS' STATE LICENSE BOARD WHICH HAS JURISDICTION TO INVESTIGATE COMPLAINTS AGAINST CONTRACTORS OF A COMPLAINT IF FILED WITHIN THREE (3) YEARS OF THE DATE OF THE ALLEGED VIOLATION. ANY QUESTIONS CONCERNING A CONTRACTOR MAY BE REFERRED TO THE REGISTRAR, CONTRACTORS' STATE LICENSE BOARD, 9835 GOETHE ROAD, SACRAMENTO, CALIFORNIA. MAILING ADDRESS: P.O. BOX 26000, SACRAMENTO, CALIFORNIA 95826.

**ARTICLE V. INSURANCE AND LIABILITY**

**B-60 Insurance**

(a) Neither the Contractor nor any Subcontractors shall commence any work until all required insurance has been obtained at their own expense. Such insurance must have the approval of the RCAA as to limit, form, and amount, and shall be placed with insurers with a current A.M. Best's rating of no less than A:VII.
(b) Any insurance bearing on adequacy of performance shall be maintained after completion of the project for the full guarantee period.

(c) Prior to execution of the Contract, the Contractor shall furnish the RCAA with original endorsements effecting coverage for all policies required by the Contract. The Contractor shall not permit any Subcontractor identified in the Designation of Subcontractors form to commence work on this project until such Subcontractor has furnished the RCAA with original endorsements effecting coverage for all insurance policies required by the Contract. The endorsements shall be signed by a person authorized by the insurer to bind coverage on its behalf. The endorsements are to be on forms provided by the RCAA. As an alternative to the RCAA's forms, the Contractor's insurer may, subject to the approval of the RCAA, provide complete, certified copies of all required insurance policies, including endorsements effecting the coverage required by this paragraph. The Contractor agrees to furnish one copy of each policy to the RCAA, and additional copies as requested in writing, certified by an authorized representative of the insurer.

(d) All of the Contractor's policies shall contain an endorsement providing that written notice shall be given, return receipt requested to RCAA and State Coastal Conservancy at least sixty (30) calendar days prior to termination, cancellation, or reduction of coverage in the policy.

(e) Any policy or policies of insurance that the Contractor elects to carry as insurance against loss or damage to its construction equipment and tools shall include a provision therein providing a waiver of the insurer's right to subrogation against the RCAA and the Engineer.

(f) The requirements as to the types, limits, and the RCAA's approval of insurance coverage to be maintained by the Contractor are not intended to and shall not in any manner limit or qualify the liabilities and obligations assumed by the Contractor under the Contract.

(g) In addition to any other remedy the RCAA may have, if the Contractor or any of the subcontractors fails to maintain the insurance coverage as required in this Section, the RCAA may obtain such insurance coverage as is not being maintained, in form and amount substantially the same as required herein, and the RCAA may deduct the cost of such insurance from any amounts due or which may become due the Contractor under this Contract.

(h) The Contractor and all subcontractors shall, at their expense, maintain in effect at all times during the performance or work under the Contract not less than the following coverage and limits of insurance, which shall be maintained with insurers and under forms of policy satisfactory to the RCAA. The maintenance by the Contractor and all subcontractors of the following coverage and limits of insurance is a material element of this Contract. The failure of the Contractor or any subcontractor to maintain or renew coverage or to provide evidence of renewal may be treated by the RCAA as a material breach of this contract.

(1) **Worker's Compensation and Employer's Liability Insurance.**

(i) **Worker's Compensation** - Insurance to protect the Contractor or subcontractor from all claims under Worker's Compensation and Employer's Liability Acts, including Longshoremen's and Harbor Worker's Act. Such coverage shall be maintained, in type and amount, in strict compliance with all applicable State and Federal statutes and regulations. The Contractor shall execute a certificate in compliance with Labor Code Section 1861.

(2) **Claims Against RCAA** - If an injury occurs to any employee of the Contractor or any of the subcontractors for which the employee or its dependents, in the event of its death, may be entitled to compensation from the RCAA under the provisions of the said Acts, or for which compensation is claimed from the RCAA, there will be retailed out of the sums due the Contractor under this Contract, an amount sufficient to cover such compensation as fixed by said Acts, until such compensation is paid or...
it is determined that no compensation is due. If the RCAA is required to pay such compensation, the amount so paid will be deducted and retained from such sums due, or to become due the Contractor.

(3) **Comprehensive General and Automobile Liability Insurance** - The insurance shall include, but shall not be limited to, protection against claims arising from death, bodily or personal injury, or damage to property resulting from actions, failures to act, operations or equipment of the insured, or by its employees, agents, consultants, or by anyone directly or indirectly employed by the insured. Insurance shall be written with a limit of liability not less than $2,000,000 for all damages arising out of bodily injury, including death, at any time resulting therefrom, sustained by any one person in any one accident; and a limit of liability of not less than $2,000,000 aggregate for any damages sustained by two or more persons in any one accident. Insurance shall be written with a limit of liability of not less than $500,000 for all property damage sustained by one person in any one accident; and a limit of liability not less than $500,000 aggregate for any such property damage sustained by two or more persons in any one accident. Any deductibles must be declared to and approved by the RCAA. At the option of the RCAA, either: the insurer shall reduce or eliminate such deductibles as respects the entity, its officers, officials, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

The comprehensive general and automobile liability insurance coverage shall also include the following:

(i) Provision or endorsement naming the RCAA, State, its officers, agents, and employees, volunteers, MLA, the landowners labeled on the Site Plan sheets from the Drawings, and their consultants, and each of their officers, employees, and agents, each as additional insured in regards to liability arising out of the performance of any work under the Contract including activities related to automobiles leased, hired, borrowed or owned and for work or operations including materials, parts or equipment, and providing that such insurance is primary insurance as respects the interest of the RCAA and Engineer and that any other insurance maintained by the RCAA and Engineer is excess and not contributing insurance with the insurance required hereunder.

(ii) "Cross Liability" or "Severability of Interest" clause.

(iii) Broad Form Property Damage, Personal Injury, Contractual Liability, Protective Liability Completed Operations coverages and elimination of any exclusion regarding loss or damage to property caused by explosion or resulting from collapse of buildings or structures or damage to property underground, commonly referred to by insurers as the "XCU" hazards.

(iv) Provision or endorsement stating that such insurance, subject to all of its other terms and conditions, applies to the liability assumed by the Contractor under the Contract, including, without limitation, that set forth in Section B-61, Indemnity and Litigation Costs.

(v) Provision or endorsement stating that any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to the RCAA, its officers, officials, employees, or volunteers.

(vi) The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

(4) **Builder's Risk or Installation Floater "All-Risk" Insurance**

Not required for this contract.

**B-61 Indemnity and Litigation Cost**
(a) Promptly upon execution of the Contract, the Contractor specifically obligates itself and hereby agrees to protect, hold free and harmless, defend and indemnify the RCAA, MLA, volunteers, State, its officers, agents, employees, and consultants, and each of their officers, officials, employees and agents, from and against any and all liability, penalties, costs, losses, damages, expenses, causes of action, claims or judgments, including without limitation attorneys’ fees and other costs of litigation, which arise out of or are in any way connected with the Contractor’s, or its subcontractors’ or suppliers’, performance of work under this Contract or failure to comply with any of the obligations contained in the Contract. This indemnity shall include the duty to defend indemnitees as set forth in civil code section 2778 and/or under other legal basis. This indemnification shall imply no reciprocal right of the Contractor in any action on the contract pursuant to California Civil Code section 1717 or section 1717.5. To the extent legally permissible, this indemnity and hold harmless agreement by the Contractor shall apply to any acts or omissions, whether active or passive, on the part of the Contractor or its agents, employees, representatives, or Subcontractor's agents, employees and representatives, resulting in liability, irrespective of whether or not any acts or omissions of the parties to be indemnified hereunder may also have been a contributing factor to the liability, except such loss or damage which was caused by the active negligence, sole negligence or willful misconduct of the RCAA.

(b) In any and all claims against the RCAA or the Engineer and its consultants, and each of their officers, employees and agents by any employee of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the indemnification obligation under this Section shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any Subcontractor under Worker’s Compensation statutes, disability benefit statutes or other employee benefit statutes.

B-62 Protection of Work

(a) The Contractor shall be responsible for the care of all work until completion and final acceptance; and the Contractor shall, at its own expense replace damaged or lost material and repair damaged parts of the work or the same may be done at the Contractor's expense by the RCAA and the Contractor and its sureties shall be liable therefore. The Contractor shall make its own provisions for properly storing and protecting all material and equipment against theft, injury, or damage from any and all causes. Damaged material and equipment shall not be used in the work. The Contractor shall take all risks from floods and casualties except as provided by law, and shall make no charge for the restoration of such portions of the work as may be destroyed or damaged by flood or other casualties or because of danger from flood or other casualties or for delays from such causes. The Contractor may, however, be allowed a reasonable extension of time on account of such delays, subject to the conditions hereinbefore specified. The Contractor shall not be responsible for the cost, in excess of five percent (5%) of the contracted amount, of repairing or restoring damage to the work, if the damage was proximately caused by an earthquake in excess of a magnitude of 3.5 on the Richter Scale or by tidal waves; provided that the work damaged was built in accordance with accepted and applicable building standards, and the plans and specifications of the RCAA.

(b) The Contractor shall effectively secure and protect adjacent property and structures, livestock, crops, and other vegetation. If applicable, the Contractor shall open fences on or crossing the right-of-way and install temporary gates of sound construction thereon so as to prevent the escape of livestock. Adjacent fence posts shall be adequately braced to prevent the sagging or slackening of the wire. Before such fences are opened, the Contractor shall notify the owner or tenant of the property and, where practicable, the opening of the fence shall be in accordance with the wishes of said owner or tenant. The Contractor shall be responsible that no loss or inconvenience shall accrue to the owner or tenant by virtue of its fences having been opened or the gate not having been either shut or attended at all times. Where special types of fences are encountered, the Contractor shall install temporary gates made of similar materials and of suitable quality to serve the purposes of the original fences. In all cases where the Contractor removes fences to obtain work room, it shall provide and install temporary fencing as required, and on completion of construction shall restore the original fence to the satisfaction of the
Engineer. All costs of providing, maintaining and restoring gates and fencing shall be borne by the Contractor. It shall provide and maintain all passageways, guard fences, lights and other facilities for protection required by public authority or local conditions.

(c) The Contractor shall use extreme care during construction to prevent damage from dust to crops, livestock, milk production and adjacent property. The Contractor, at its own expense, shall provide adequate dust control for the right-of-way and take other preventive measures as directed by the Engineer.

(d) The Contractor shall be responsible for all damage to any property resulting from trespass by the Contractor or its employees in the course of their employment, whether such trespass was committed with or without the consent or knowledge of the Contractor.

(e) The Contractor shall see that the work site is kept drained and free of all ground water and any other water which may impede the progress or execution of the Contract work.

(f) The Contractor shall be responsible for any damage caused by drainage or water runoff from construction areas and from construction plant areas. In an emergency affecting the safety of life, or of the work, or of adjoining property, the Contractor, without special instruction or authorization from the Engineer, is hereby permitted to act at the Contractor's discretion to prevent such threatened loss or injury, and it shall so act without appeal if so instructed or authorized. Any compensation claimed by the Contractor on account of emergency work shall be determined as specified under Section B-3. Should the Engineer deem an emergency condition to exist, the Contractor shall immediately do those things and take those steps ordered by the Engineer. The decision of the Engineer in this respect shall be final and conclusive. Any claims for compensation made by the Contractor on account of emergency work shall be determined as specified under Section B-3.

(g) Except as provided by Government Code Section 4215, the Contractor shall be responsible for the removal, relocation and protection of all public and private utilities, including irrigation facilities in the nature of utilities, located on the site of the construction project if and to the extent that the same are identified in the Contract Documents, and the Contractor shall not be entitled to any extension of time or claim for damages for extra compensation in connection therewith. If and to the extent that such utilities or facilities are not identified in the Contract Documents, as between the Contractor and the RCAA, the RCAA will be responsible for the cost of their removal, relocation or protection, as the case may be, but the Contractor shall perform any such work in conformance with applicable provisions of Sections B-3 and B-4, if so directed by the Engineer and in such situation the Contractor shall not be responsible for delay in completion of the project caused by the failure of the RCAA or the owner of the utility to provide for such removal or relocation. If the Contractor, while performing the Contract, discovers utility or irrigation facilities not identified by the RCAA in the Contract Documents, it shall immediately notify the Engineer in writing.

(h) Subject to the provisions of this Section, where the work to be performed under the Contract crosses or otherwise interferes with existing streams, watercourses, canals, farm ditches, pipelines, drainage channels, or water supplies, the Contractor shall provide for such watercourse or pipelines and shall perform such construction during the progress of the work so that no damage will result to either public or private interests, and the Contractor shall be liable for all damage that may result from failure to so provide during the progress of the work.

**B-63 No Personal Liability**

Neither the RCAA, MLA nor any of their other officers, agents, or employees nor any other public office shall be personally responsible for any liability arising under the Contract, except such obligations as are specifically set forth herein.
ARTICLE VI. MEASUREMENT AND PAYMENT

B-64 Measurement of Quantities

Where the Contract provides for payment on a lump sum price basis, the Contractor shall submit a price breakdown to the Engineer immediately after award of the Contract. The price breakdown as agreed upon between the Contractor and the Engineer shall be used for preparing future estimates for partial payments to the Contractor and shall list the major items of Work and a price for each item. Overhead and other general costs and profit shall be prorated to each item so that the total of all items equals the lump sum price. The price breakdown shall be subject to the approval of the Engineer and Contractor may be required to verify the prices for any or all items. Where the Contract provides for payment on a unit price basis, the quantities of work performed will be computed by the Engineer on the basis of measurements taken by the Engineer.

Whenever the estimated quantities of work to be done and materials to be furnished under this contract are shown in any of the documents including the Proposal, they are given for use in comparing bids and the right is especially reserved, except as herein or otherwise specifically limited, to increase or diminish them as may be deemed reasonably necessary or desirable by the RCAA to complete the work contemplated by this contract and such increase or diminution shall in no way violate this Contract, nor shall any such increase or diminution give cause for claims, liability for damage or adjustment to the Contract time bid price.

B-65 Scope of Payment

(a) The Contractor shall accept the compensation provided in the Contract as full payment for furnishing all labor, materials, tools, equipment, and incidentals necessary to the completed work and for performing all work contemplated and embraced under the Contract; also for loss or damage arising from the nature of the work, or from the action of the elements, or from any unforeseen difficulties which may be encountered during the prosecution of the work until the acceptance by the RCAA and for all risks of every description connected with the prosecution of the work, also for all expenses incurred in consequence of the suspension or discontinuance of the work as provided in the Contract; and for completing the work according to the specifications and plans. Neither the payment of any estimate nor of any retained percentage shall relieve the Contractor of any obligation to make good any defective work or material.

(b) No compensation will be made in any case for loss of anticipated profits. Increased or decreased work involving supplemental agreements will be paid for as provided in such agreements.

B-66 Progress Estimate

At least ten (10) days before each progress payment falls due (but not more often than once a month), the Contractor will submit to the Engineer a partial payment estimate filled out and signed by the Contractor covering the work performed during the period covered by the partial pay estimate and supported by such data as the Engineer may reasonably require. If payment is requested on the basis of materials and equipment not incorporated in the work but delivered and suitably stored at or near the site, the partial payment estimate shall also be accompanied by such supporting data, satisfactory to the RCAA, as will establish the RCAA'S title to the material, and equipment and protect its interest therein, including, applicable insurance. The Engineer will within seven (7) days after receipt of each partial payment estimate either recommend payment to the RCAA or return the estimate to the Contractor.
indicating in writing its reasons for refusing to approve payment. In the latter case, the Contractor may make the necessary corrections and resubmit the partial pay estimate.

Payroll certification forms provided by the Contractor and fully executed shall be filed with the Engineer at the time of submission of each partial payment estimate and also when the claim for final payment is submitted. Wage Report forms shall be completed and submitted as set forth in Parts 4 and 5.

B-67 Progress Payments

(a) The Contractor is made aware that this contract is funded in whole or in part through an agreement with the California Department of Fish and Wildlife Fisheries Restoration Grant Program. These project funders pay in arrears for work completed.

(b) The RCAA and funders will review all partial payments upon receipt of an undisputed, properly submitted progress estimate from the Contractor, recommended by the Engineer.

(c) Any payment request determined not to be a proper payment request suitable for payment shall be returned to the Contractor as soon as practicable but not later than thirty (30) days after receipt. A request returned pursuant to this paragraph shall be accompanied by a document setting forth in writing the reasons why the payment request is not proper.

(d) The RCAA will pay the Contractor ninety-five percent (95%) of the amount of each progress estimate within thirty (30) days of receiving payment from the project funder. Contractor should allow for sixty (60) to ninety (90) days after the date of approval of the progress estimate by the funder, before receiving payment (depending on date submitted).

(e) When, in the judgment of the Engineer, the work is not proceeding in accordance with the provisions of the Contract, or when in its judgment the total amount of the work done since the last estimate amounts to less than $1,000, no pay estimate will be prepared and no progress payment will be made.

(f) No progress estimate or payment shall be considered to be an approval or acceptance of any work, materials, or equipment. Estimated amounts and values of work done and materials and equipment furnished will be conformed with actual amounts and values as they become available in subsequent progress estimates, progress payments and the final estimate and payment. All estimates and payments will be subject to correction in subsequent progress estimates and payments and the final estimate and payment.

(g) The RCAA requires that any payments due to subcontractors for a portion of the work satisfactory completed shall be made by Contractor to subcontractors within fifteen (15) days of RCAA’s payment to Contractor. Failure to make such payments in a timely fashion may result in the RCAA issuing future progress payments by joint check to the Contractor and subcontractors.

(h) It is mutually agreed between the parties to the Contract that no payments made under the Contract, including progress payments and the final payment, shall be evidence of the performance of the Contract, either wholly or in part, and no payment shall be construed to be an acceptance of any defective or incomplete work or improper materials.
B-68 Retention Proceeds; Withholdings; Disbursements

Notwithstanding other requirements of these General Conditions, Section 7107 of the Contract Code shall govern as to retention proceeds; withholding and ultimate disbursement of funds.

B-69 Liens and Stop Notices

The Contractor agrees to keep the work, the site of the Work and all monies held by the RCAA free and clear of all liens and stop notices related to labor and materials furnished in connection with the Work, if permitted by law. Furthermore, the Contractor waives any right it may have to file any type of lien or stop notice in connection with the Work. Notwithstanding anything to the contrary contained in the Contract documents, if any such lien or stop notice is filed or there is evidence to believe that lien or stop notice may be filed at any time during the progress of the Work or within the duration of this Contract, the RCAA may refuse to make any payment otherwise due the Contractor or may withhold any payment due the Contractor a sum sufficient in the opinion of the RCAA to pay all obligations and expenses necessary to satisfy such lien or stop notice. The RCAA may withhold such payment unless or until the Contractor, within ten days after demand therefore by the RCAA, shall furnish satisfactory evidence that the indebtedness and any lien or stop notice in respect thereof has been satisfied, discharged and released of record, or that the Contractor has legally caused such lien or stop notice to be released of record pending the resolution of any dispute between the Contractor and any person or persons filing such lien or stop notice. If the Contractor shall fail to furnish such satisfactory evidence within ten days of the demand therefore, the RCAA may discharge such indebtedness and deduct the amount thereof, together with any and all losses, costs, damages and attorney's fees suffered or incurred by the RCAA from any sum payable to the Contractor under the Contract documents, including but not limited to final payment and retained percentage. This Section shall be specifically included in all Subcontracts and purchase orders entered into by the Contractor.

B-70 Final Acceptance and Date of Completion

Whenever the Contractor shall deem all work under this Contract to have been completed in accordance therewith, it shall so notify the Engineer in writing, and the Engineer shall promptly ascertain whether the work has been satisfactorily completed and, if not, shall advise the Contractor in detail and in writing of any additional work required. When all the provisions of the Contract have been fully complied with to the satisfaction of the Engineer, it shall proceed with all reasonable diligence to determine accurately the total value of all work performed by the Contractor at the prices set forth in the Contract or fixed by Change Orders, and the total value of all extra work, all in accordance with the Contract. The Engineer will then certify to said final estimate and to the completion of the work, and will file copies thereof with the RCAA and the Contractor. The date of completion shall be the date upon which the RCAA makes its formal written acceptance of the work.

B-71 Final Payment

Within ten (10) days after the date of completion, the RCAA will file in the Office of the County Recorder, a Notice of Completion of the work herein agreed to be done by the Contractor. On the expiration of thirty-five (35) days after the recordation of such Notice of Completion the difference between said final estimate and all payments theretofore made to the Contractor shall be due and payable to the Contractor within 120 days upon receipt of funding by RCAA from funding agencies and subject to any requirements concerning the furnishings of a maintenance bond, and excepting only such sum or sums as may be withheld or deducted in accordance with the provisions of this Contract. All prior certifications, upon which partial payments may have been made, being merely estimates, shall be subject to correction in the final certificate.
Final payment to the Contractor in accordance with the final estimate is contingent upon the Contractor furnishing the RCAA with a signed written release of all claims against the RCAA arising by virtue of the Contract. Disputed Contract claims in stated amounts may be specifically excluded by the Contractor from the operation of the release. The release shall be in substantially the following form:
WAIVER AND RELEASE UPON FINAL PAYMENT

The undersigned has been paid in full by the RCAA for all labor, services, equipment and material furnished to the RCAA on the Improvement located at , California, and does hereby waive and release the RCAA, its officers, agents, and employees, from all claims and liability to the Contractor arising out of, or in any way connected with, the Contract, except for the disputed contract claims specified below:

Notice of disputed claim Amount of Claim

$________________________

Dated: ____________________ ____________________ (Name of Contractor)

By: ____________________________ (Title)

Any payment, however, final or otherwise shall not release the Contractor or its sureties from obligations under the Contract Documents or Performance and Payment Bonds.

B-73 Right to Withhold Payments

(a) In addition to all other rights and remedies of the RCAA hereunder and by virtue of the law, the RCAA may withhold or nullify the whole or any part of any partial or final payment to such extent as may reasonably be necessary to protect the RCAA from loss on account of:

(1) Defective work not remedied, irrespective of when any such work be found to be defective;

(2) Claims or liens filed or reasonable evidence indicating probable filing of claims or liens including, but not limited to claims under Sections 1775, 1776, or 1777.7 of the Labor Code;
(3) Failure of the Contractor to make payments properly for labor, materials, equipment, or other facilities, or to subcontractors and/or suppliers;

(4) A reasonable doubt that the work can be completed for the balance then unearned;

(5) A reasonable doubt that the Contractor will complete the work within the agreed time limits;

(6) Costs to the RCAA resulting from failure of the Contractor to complete the work within the proper time; or

(7) Damage to work or property.

(8) Damage to another Contractor.

(9) Performance of work in violation of the Terms of the Contract Documents.

(10) Where work on unit items is substantially complete, but lacks cleanup and/or other corrections ordered by the Engineer, amounts shall be deducted from the unit prices in partial payment estimates to amply cover such cleanup and correction.

(11) Failure to file required Equal Opportunity and Affirmative Action forms.

(b) Whenever the RCAA shall, in accordance herewith, withhold any monies otherwise due the Contractor, written notice of the amount withheld and the reasons therefore will be given the Contractor. After the Contractor has corrected the enumerated deficiencies, the RCAA will promptly pay to the Contractor the amount so withheld. When monies are withheld to protect the RCAA against claims or liens of mechanics, materialmen, Subcontractors, etc., the RCAA may at its discretion permit the Contractor to deliver a surety bond in terms and amount satisfactory to the RCAA, indemnifying the RCAA against any loss or expense, and upon acceptance thereof by the RCAA, the RCAA shall release to the Contractor monies so withheld.

B-74 Waiver of Interest

The RCAA shall have no obligation to pay and the Contractor hereby waives the right to recover interest with regard to monies which the RCAA is required to withhold by reason of judgment, order, statute or judicial process.

B-75 Satisfaction of Claims and Liens
Neither the final payment nor any part of the retained percentage shall become due until the Contractor, if required, shall deliver to the RCAA, a complete release of all liens and claims arising out of this Contract, or receipts in full in lieu thereof and, if required in either case, an affidavit that so far as it has knowledge or information the releases and receipts include all the labor and material for which a lien or claim could be filed; but the Contractor may, if any Subcontractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to the Engineer, to indemnify the RCAA against any lien or claim. If any lien or claim remains unsatisfied after all payments are made, the Contractor shall refund to the RCAA all monies that the latter may be compelled to pay in discharging such a lien, or claim, including all costs and reasonable attorney's fees.

**B-76 Ownership of Documents and Other Work Products**

Documents and work products produced under this agreement shall be the property of the Project Funders per the requirements of the contract between the Project Funders and the RCAA.
Part 5: TECHNICAL SPECIFICATIONS
PART 5 – TECHNICAL SPECIFICATIONS

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SUMMARY OF WORK

PART 1   GENERAL

1.01  WORK COVERED BY CONTRACT

DOCUMENTS

A.  General:

1. The Contract Documents describe the Work to be performed under this Contract which includes, but is not limited to, furnishing all tools, equipment, materials, supplies, and manufactured articles for the Project. It shall also include the furnishing of all transportation and services, including fuel, power, water, and essential communications necessary for the performance of all labor, work, or other operations required for the performance of the Contract in accordance with the Contract Documents.

2. The Contractor should carefully review all sections of the Specifications and contract Plans in order to completely understand the Work and all constraints including schedule, environmental, permit and material requirements.

3. Contractor is encouraged to proceed in an orderly and expeditious manner based on the constraints shown on the Drawings and described in the Specifications. All Work is to be constructed in strict accordance with the Contract Plans and Specifications and subject to the terms and conditions of the Contract.

B.  The Contractor shall completely review, be familiar with and adhere to the terms of all permits and agency approvals for this project. Appendix A to these Specifications contain a summary of many, but not all, of the most significant permit conditions that need to be actively complied with by Contractor. The Owner will be providing the Contractor copies of permits, certifications, or authorizations from the following agencies including, but not limited to: California Department of Fish and Wildlife; U.S. Army Corps of Engineers; California Regional Water Quality Control Board; and Humboldt County Building Department. Copies of all permits are available from the Owner and will remain at the project site throughout the duration of construction.

C.  Contractor shall obtain all other necessary permits and comply with them and all other applicable Local, State, and Federal laws and regulations.

D.  Location of the Work:

1. The project is located within Humboldt County. A Vicinity Map is provided on the cover sheet of the drawings that illustrate the location of the.
contract Plans provide information regarding the limits of the project and its topography.

E. Technical Data and Other Reports:

1. Geologic Investigation Technical Memorandum for the Freshwater Creek Off-Channel Salmonid Habitat Design Project prepared by Pacific Watershed Associates (May 2014) contains geotechnical evaluation of site conditions and recommendations. Copies of this report are available for review upon request.

F. Contractor's Duties:

1. Except as specifically noted, provide and pay for:
   a. Labor, materials, and equipment.
   b. Tools, construction equipment, and machinery.
   c. Water and utilities required for construction.
   d. All other facilities and services necessary for proper execution and completion of Work.

2. Pay legally required sales, consumer, and use taxes.

3. Conform to the requirements of the project permits.

4. Secure and pay for, as necessary for proper execution and completion of the Work, all other applicable permits and licenses.

5. Give required notices.

6. Comply with codes, ordinances, rules, regulations, orders and other legal requirements of public authorities which bear on performance of the Work.

7. Promptly submit written notice to Construction Manager of observed variance of Contract Documents from legal requirements.

8. If any Subcontractor or person employed by the Contractor shall appear to the Construction Manager to be incompetent or to act in a disorderly or improper manner, he shall be discharged immediately on the requisition
of the Construction Manager, and such person shall not again be employed on the Work.

9. The Owner will provide horizontal and elevation control as well as construction staking of alignments and offsets. Contractor is responsible for maintaining temporary benchmarks.

1.02 CONTRACT DESCRIPTION

A. General:

1. All Work is contained in this Contract. The limits of Work are shown in the contract Plans and described in these Specifications and on the contract Plans. It will be the Contractor's responsibility to coordinate their activities to resolve conflicts.

2. All risk of loss, damage or diminution to the Work shall rest with Contractor until final acceptance of the Work by the Owner.

3. Contractor shall be required to coordinate tasks with RCAA and the Land Owner.

B. Work to completed by Contractor includes, but is not limited to:

1. Install temporary stormwater Best Management Practices (BMPs);

2. Install temporary construction access routes, entrances, and equipment and material handling/storage areas;

3. Install Temporary Isolation Measures for water management

4. Excavate ponds and culvert crossings

5. Stockpile material for backfill and haul excess to On-Site Spoils Re-Use areas

6. Install culverts, including Stoplog Guide Assembly, Backfill culverts

7. Construct Planted RSP Bankline
8. Construct large wood habitat structures;

9. Site rehabilitation and restoration of all access and By-Pass Roads.

C. Work to be completed by Owner (RCCA) includes, but is not limited to:

1. Provide biological services including bird surveys, aquatic species surveys and fish re-location

2. Install willow staking for Planted RSP Bankline

3. Install Erosion Control Matting

4. Assemble and anchor Log Cover Structures and Log Overhang Structures

5. Execution of Replanting Plan and Tributary Stabilization

6. Install temporary and permanent fencing

7. Mulch and seeding of disturbed areas

D. Work to be completed by the Landowner includes, but is not limited to:

1. Clear and grub the site for construction access including tree removal and stockpiling of brush and willow clusters;

2. Spread excess material at the Spoils Re-use Areas

3. Finish grading of gravel road surface

1.03 SPECIAL CONSTRUCTION REQUIREMENTS

A. General:

1. The excavation is entirely on private property. The Contractor will be required to coordinate their schedule with the Construction Manager personnel to ensure a minimum of interruptions to private property owners. Should field conditions or property owners warrant the
postponement of the excavation of a portion of a particular reach, as determined by the Construction Manager, the Contractor shall be prepared to resume work at an alternative location within the project site as field conditions permit and shall not be claimed as a delay by the Contractor.

2. A proposed construction sequence is presented in the contract Plans. The phasing/sequencing of most construction elements will be constrained by construction schedules stipulated by special status species in terms of construction windows and clearance and monitoring requirements, and requirements in environmental permits.

3. Prior to start of construction, a qualified biologist under the direction of the Construction Manager must complete a check for presence of sensitive aquatic, avian and terrestrial species within construction areas. Once the site has been cleared, the Construction Manager will authorize the Contractor to begin work.

4. Required clearance surveys: if special status species are located during clearance surveys, the Contractor shall stop work immediately and notify the Construction Manager. If possible, a Biologist under direction of the Construction Manager will conduct seining or trapping to relocate the species a safe distance away from the construction activities and out of the work limit line. However, in some instances, a buffer zone may need to be established in which no work would be conducted within some specified distance from the species' location. Further required actions could include, but are not limited to: 1) temporary delay in construction while species are relocated by qualified biologists; or 2) delay of construction until predetermined date after breeding season with no construction occurring within a buffer zone around the area where species were found. Owner and their representatives are not liable for such delays.

5. All in-stream construction activities within Freshwater Creek, including channel excavation, shall be completed by October 31st, unless written authorization from the regulatory agencies and RCAA is received to extend the work period. Contractor shall not begin any work in the channel without prior approval of Construction Manager. In the event of rain, Contractor shall suspend all work until Construction Manager provides approval to resume work.

6. Work windows specified in the various project permit conditions may conflict within one another therefore the most restrictive windows shall be exercised.

7. The Contractor shall have all project work completed by the required regulatory dates. The Owner is not liable for any expenses that this regulatory-driven change in schedule may incur.
B. Specific Sequence and

Constraints:

1. The Contractor shall note that only certain constraints are addressed in this section. All Work, whether or not addressed here, shall be governed by applicable parts of this section, and schedules and procedures further submitted for approval.

2.

a. The pre-construction conference described in this Section shall be coordinated to accommodate attendance by representatives of the Owner.

b. Contractor shall notify City of Eureka Fire Department of any construction activity that may affect traffic and potentially impact emergency vehicle and fire apparatus access. Additionally, Contractor shall notify the City of Eureka and Humboldt County Sheriff Departments of any life safety concerns.

c. Stockpiling of excavated soils that are potentially contaminated is not allowed. If hazardous materials are encountered, contractor to remove contaminated material from the site and dispose of it at an approved disposal site subject to the approval by the Construction Manager.

d. Any temporary stockpiles shall be removed from within the limits of disturbance by October 31st.

e. RCAA will apply seed and straw mulch to all disturbed and finished graded areas and the Contractor shall allow RCAA to complete this work in compliance all permits.

1.04 CONTRACT METHOD

A. The Contractor shall include the requirements of the General Conditions of the Contract as a part of all of its subcontract agreements.

B. All work as identified and described in the contract Plans and Specifications. In the case that there are discrepancies between Drawings and Specifications, Specifications take precedence over drawings.

1.05 PROJECT MEETINGS
Redwood Community Action Agency
2019 Freshwater Creek Habitat Enhancement Project

A. Administrative Requirements: Preconstruction Meeting, Progress Meetings, and Close Out Meetings.

PART 2 PRODUCTS [NOT USED]

PART 3 EXECUTION [NOT USED]
USE OF SITE

PART 1      GENERAL

1.01     DESCRIPTION

1.02     INFORMATION OF ON SITE CONDITIONS

A.     Information obtained by the Construction Manager regarding site conditions, subsurface information, and existing facilities, and similar data are shown on the Plans and are from the information made available by the Owner. Exact location and completeness are not guaranteed.

B.     Construction activities is limited to the limits of disturbance and the Spoils Re-Use Areas shown on drawings.

1.03     CONTRACTOR'S RESPONSIBILITIES

A.     The Owner has entered into agreements with all property owners within the project limits of disturbance and the Spoils Re-Use areas. These agreements allow the Contractor’s use of these areas in accordance to the plans and specifications. The Contractor is responsible to execute the work within these areas in accordance to the plans and specifications including hauling the excavated sediment to the designated disposal area.

B.     If additional areas beyond the limits of disturbance and sediment disposal areas shown on the plans are desired by the Contractor to execute the work, the Contractor shall first receive authorization from the Construction Manager. Contractor shall obtain all necessary permissions and approvals for use of these areas and shall submit a signed statement from the property owner granting permission and holding the Owner harmless from any and all damages that may result from the Contractor’s use of the site.

C.     The Contractor shall satisfy their self as to the nature and location of the work, the general and local conditions, particularly those bearing upon availability of transportation, disposal, handling and storage of materials, availability of labor, water, electric power, roads, work in sensitive environment and uncertainties of weather, the conformation and conditions of the ground, the character of equipment facilities needed preliminary to and during the prosecution of the work
and all other matters which can in any way affect the work or the cost thereof under this contract.

D. The Contractor further shall satisfy their self as to the character, quality, and quantity of materials to be encountered from inspecting the site, any exploratory work done by the Owner, as well as from information presented by the Plans and Specifications made a part of this contract. Any failure by the Contractor to acquaint himself with all the available information available as part of the Bid Documents or referenced in the Bid Documents will not relieve him from responsibility for properly estimating the difficulty or cost of successfully performing the work.

1.04 USE OF CONSTRUCTION SITE, HAUL ROUTES AND SPOILS RE-USE AREAS

A. The Contractor shall:

1. Conduct all operations with the least possible obstruction and inconvenience to the public and adjacent landowners.

2. Have under construction no greater length or amount of work than can be continuously and vigorously prosecuted properly with due regards to the rights of the public.

3. To the extent possible, finish each section before beginning work on the next.

4. Assume full responsibility for protection and safekeeping of products stored on premises.

B. Manage construction worker parking and access to avoid impeding access for emergency vehicles and local area residents.

C. Protect the rights of abutting property owners by:

1. Planning and conducting construction operations so that the least inconvenience as possible is caused to abutting property owners;

2. Prohibit access of staff and subcontractors to properties abutting the project site, except as approved in writing by the Construction Manager.
D. Access to Private Properties:

1. No road closures are expected for the Project. Contractor shall maintain access for local vehicular and pedestrian traffic to private properties along the main access road to the project site.

E. The Contractor shall be responsible for providing adequate safeguards, safety devices, and protective equipment, and for taking any other needed actions to protect the life, health, and safety of the public, and to protect property in connection with the performance of the work covered by the Contract.

F. The Contractor shall stage materials and equipment in designated staging and stockpile areas as shown on the contract Plans.

G. Staging in permitted areas shall be at the Contractor’s risk. Owner or their representatives shall not be held liable for any damage to or loss of materials or equipment located within these areas or at any location on the project site(s).

H. Access to worksite: Contractor and Contractor’s employees and subcontractors shall use access routes as indicated on project plans.

I. After demobilization, Contractor shall repair any damage to existing roads and property to pre-existing conditions or better.

J. The Contractor shall remediate temporary haul roads at the conclusion of use through blading, ripping or otherwise removing ruts and de-compaction. The Construction Manager reserves the right to require the Contractor to repair damage where haul roads were constructed. Restore access roads and staging areas to pre-existing conditions or better.

K. Construction access routes and equipment staging areas shall be limited within the project disturbance areas to the extent feasible and as shown on the plans. Construction activities shall be prohibited from unnecessarily disturbing aquatic habitat. Disturbance such as excavation, filling or dewatering of any existing ditches, channels and other ponded water areas shall occur only after the area has been seined and cleared by the biologist.

L. Construction Camp: Establishment of a camp within the project property will not be permitted unless approved by the Construction Manager.
M. Residence trailers will not be allowed within the project site, or designated staging and stockpiling areas, except for security purposes as approved by the Construction Manager.

1.05 PROTECTION OF NATURAL FEATURES

A. Avoid impacts to vegetation outside the limits of construction disturbance. Prior to any construction, the Contractor shall demarcate the limits of construction disturbance. No access or construction permitted outside of the designated work / access zones without prior approval from the Construction Manager.

B. Confine all operations to limits shown for the project. Prevent damage to natural surroundings. Restore damaged areas, repairing or replacing damaged trees and plants, at no additional expense to the Owner.

C. Do not remove, injure, or destroy trees or other plants without prior approval of the Construction Manager. Consult with the Construction Manager and remove agreed upon roots and branches that interfere with construction. All pruning of canopy or cutting of roots will be done under the supervision of the Construction Manager or their representative, and shall be done as set forth by the National Arborist Association or the International Society of Arboriculture.

D. Water quality of all creeks must be maintained sufficient to satisfy project Permits, that includes measures for controlling erosion and preventing fuel spills.

E. Contractor shall take all preventative measures to protect the staging areas from contamination due to oil or fuel spills or any other contaminants. Any leaks or spills which occur on the project site shall be fully removed from the project site. If contamination occurs, the Contractor shall immediately notify the Construction Manager, and decontaminate the area to the satisfaction of the Construction Manager, prior to further improvement or further construction activities in general.

F. All staging and laydown areas disturbed by the Contractor or construction or construction related activities shall be restored to their pre-existing state or in accordance with these Specifications.

1.06 PROTECTION OF PROPERTY AND LANDSCAPE

A. Preserve public and private property, and protect monuments established for the purpose of perpetuating horizontal, vertical, cadastral, or boundary control.
When necessary to destroy a monument, reestablish the monument according to applicable state statute or by the direction of the Construction Manager. The Contractor shall notify the Construction Manager of any monument that may need to be destroyed. If the Construction Manager determines that the destruction of the monument is unavoidable, Construction Manager will arrange for resetting the monument and associated costs. If a monument is destroyed by the Contractor's negligence or without the Construction Manager's approval the Contractor shall pay for resetting the monument.

B. Do not excavate, remove, damage, alter or deface any archeological or paleontological remains or specimens. Control the actions of employees and subcontractors on the project to ensure that protected sites are not disturbed or damaged. Should any of these items be encountered, suspend operations at the discovery site, notify the Construction Manager and continue operations in other areas. The Construction Manager will inform the Contractor when operations may resume at the discovery site.

C. Existing Utilities:

1. Contractor shall be responsible for locating and preventing damage to known utilities or utility support structures. If damage occurs to utilities, Contractor shall repair utility at no additional expense to Owner.

D. Protect utilities from construction operations: 48 hours before beginning work in an area, the Contractor shall notify Underground Service Alert (USA), at 1-800-227-2600, to determine locations of existing utilities. Cooperate with utility owners to expedite the relocation or adjustment of their utilities to minimize interruption of service and duplication of work.

E. If the work requires removing or relocating a utility, the contract will assign the task to the Contractor or the utility owner. When this task is assigned to the utility owner and work is not complete before the Contractor begins work, the Contractor shall immediately notify the Construction Manager in writing.

G. Any authorized agent of the Owner or utility owners may enter the site to repair, rearrange, alter, or connect their equipment. The Contractor shall cooperate with such efforts and shall avoid creating delays or hindrances to those doing the work. As needed, the Contractor shall arrange to coordinate work schedules.

H. If utility services are interrupted as a result of damage by the construction, immediately notify the utility owner, the Construction Manager, and other proper authorities. Cooperate with them until service is restored.
I. The Contractor shall protect private or public property on or in the vicinity of the work site. The Contractor shall ensure that it is not removed, damaged, destroyed, or prevented from being used unless the contract so specifies.

PART 2 PRODUCTS [N/A]

PART 3 EXECUTION [N/A]
MEASUREMENT AND PAYMENT

PART 1      GENERAL

1.01     GENERAL

A. Unless otherwise specified in other individual sections of these specifications, quantities of work shall be determined from measurements or dimensions in horizontal planes.

B. Units of measurement shall be in accordance with U.S. Standard Measures.

C. See the General Conditions for special provisions related to progress payments and payment schedule to the contractor.

D. The payments to the Contractor are based on the items presented in the Base Bid Schedule below. Any work shown on the plans and not specifically mentioned or described in the following bid items will be paid under Bid Item No. 1. It is the intent that the scope of the description of the following items encompasses the entire scope of the work as shown on the contract Plans and described in these Specifications, except where explicitly excluded. The bid amounts shall be for complete in place installations.

E. The Contractor should carefully review all sections of plans, including the Water Management sheet and General Notes sheet to completely understand the Work, specifications, and all constraints.

F. Full compensation for preparing and furnishing all submittals shall be considered as included in the prices paid for the Contract items of work to which such submittals relate and no additional compensation will be allowed therefor. Any cost related to the Construction Manager’s review of any particular set of submittals more than twice, due to incompleteness or unacceptability, shall be borne by the Contractor, and the Owner reserves the right to withhold such costs from payments due the Contractor.

1.02     BASE BID SCHEDULE

ITEM 1. MOBILIZATION, DEMOBILIZATION & GENERAL

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for obtaining bonds and all permits other than those obtained by the Owner and developing and submitting submittals not specifically mentioned in other items and furnishing all labor, materials, tools, equipment and incidentals for doing all the work involved in mobilization, demobilization, and general items including but not limited to submittals, tree protection, temporary fencing, supplemental survey, demolition, removal of unsuitable material, disposal of excess spoils, and all other work required to complete the contract Plans not included in other items below.

ITEM 2. BY-PASS ROAD
ITEM 3. WATER MANAGEMENT, DUST CONTROL AND ENVIRONMENTAL PROTECTION

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to construct and manage facilities and work associated with water necessary to meet permit requirements, including control, diversion and disposal of water. Items covered by this include, but are not limited to, cooperation and coordination with project biologists, installation of fish screens, cofferdams, dewatering pumps, hoses and tanks, dewatering bags, sediment filter bags and disposal of water. This item also includes maintenance and removal of water management system. This item also includes routine dust suppression, installation and maintenance of existing construction entrances, tire cleaning stations as needed to prevent tracking, and cleaning of public roads. This work covers all Contractor costs and effort associated with obtaining construction water from approved sources, applying water to prevent fugitive dust, and as needed routine street sweeping/vacuuming on public roads to comply with project permits. This item covers all Contractor costs and effort associated with providing erosion/sediment control BMPs and performing all necessary inspections and adjustments to the BMPs to comply with all applicable local, regional and federal laws, protection of cultural and historic resources, and all other environmental protection measures shall be considered incidental to this item and includes all erosion control items necessary to comply with the contract Plans and permit conditions.

RCAA shall be responsible for all mulching, seeding, and planting, and the cost for these items shall not be included in the Contractor's bid.

ITEM 4. LOWER POND EXCAVATION

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to complete the excavation for the Lower Pond, in accordance to the requirements as shown on the contract Plans. This item applies to the Lower Pond Site and includes all finished grading of the project area as required to achieve the required finished lines and grades within grading limits.

ITEM 5. LOWER POND CULVERT AND STOP LOG ASSEMBLY

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for furnishing all submittals, labor, materials (except as noted below), tools, equipment, and incidentals for doing all the work required to install the Lower Pond Culvert and Stoplog Weir. This item includes, but is not limited to excavation and disposal of existing culvert, unloading new culvert from
delivery truck(s), transporting culvert from delivery location to project site, 
excavation for new culvert, protection of trees and roots as shown in the contract 
Plans, placement of bedding material, installation of the culvert, shop drawings, 
manufacturing, supply and installation of the Stoplog Weir assembly and 
associated wooden stoplogs, salvaging and importing backfill material, 
preparing, placing, and compacting backfill. This item includes hauling and 
delivery of imported backfill materials, including sand bedding material and 
Class-2 aggregate for road surfacing (see note below). Cost for placement and 
compaction of Class-2 aggregate for road surfacing is excluded from this item 
and will be completed by the Landowner (see note below).

The culvert shall be purchased by RCAA and will be shipped to a predetermined 
location selected by the Contractor and approved by the RCAA. Contractor will 
be responsible for unloading the culverts immediately upon arrival to the 
predetermined location and delivery to the project site. Costs for the culvert and 
delivery to the pre-determined location shall not be included in the bid price. 
Material shall become the property of the contractor upon arrival to the 
predetermined location.

RCAA shall be responsible for purchase of the aggregate materials. The 
Contractor shall be responsible for picking up materials and hauling to the project 
site. Costs for purchase of aggregate materials shall not be included in the bid 
price. The Contractor shall keep weight tickets for each load of aggregate 
materials and provide tickets to the Construction Manager at the end of each 
day.

The Landowner shall be responsible for spreading and compacting the Class-2 
Aggregate for the road resurfacing. Contractor will be responsible for hauling 
and delivery of this material, and shall coordinate with Landowner on timing and 
location of delivered material.

ITEM 6. LOWER POND AND CULVERT ONSITE SOIL RE-USE
Measurement for this item shall be on a LUMP SUM basis. Payment shall 
include full compensation for include furnishing all labor, tools, equipment, and 
incidental for doing all the work involved in loading, hauling, and delivering 
spoils generated from excavation of the Lower Pond and Lower Pond Culvert to 
the specified onsite soils re-use areas, as shown on the contract Plans. See note 
below.

The Landowner shall be responsible for spreading material within the Spoils Re- 
use Areas under the direction of the Construction Manager. The Contractor shall 
be responsible for coordinating with the Landowner to determine locations for 
delivery of spoils and Contractor shall provide sufficient material in an efficient 
manner.
ITEM 7. PLANTED RSP BANKLINE AT LOWER POND CULVERT OUTLET

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for furnishing all submittals, labor, tools, equipment, and incidentals for salvaging and stockpiling existing rock during excavation of the Lower Pond Culvert, hauling and delivery of additional rock for use as RSP (see note below), and placing the rock to construct the Planted RSP Bankline as specified in the contract Plans.

The ½ ton rock for Planted RSP Bankline will be purchased by RCAA. The Contractor will be responsible for picking up the rock and hauling it to the project site. Costs for the purchase of the rock shall not be included in the bid price. The Contractor shall keep weight tickets for each load of rock and provide tickets to the Construction Manager at the end of each day.

RCAA shall provide and install Live Stakes as specified for the Planted RSP Bankline. Contractor shall be responsible for coordinating with RCAA field staff to integrate planting of live stakes with concurrent installation of RSP rock.

ITEM 8. LOWER POND COVER STRUCTURES

Measurement for this item will be on a LUMP SUM basis. Payment shall include full compensation for furnishing all submittals, labor, tools, equipment, and incidentals for doing the work involved in placement of logs, trenching, and delivery, placement, and backfill of ballast rock for the Log Cover Structures in the Lower Pond (see note below). This item applies to the Lower Pond only.

RCAA shall be responsible for purchase of the Ballast Rock. The Contractor shall be responsible for picking up the rock and hauling it to the project site. Costs for purchase of the Ballast Rock shall not be included in the bid price. The Contractor shall keep weight tickets for each load of Ballast Rock and provide tickets to the Construction Manager at the end of each day.

The logs and root wads for Log Cover Structures will be purchased by RCAA and will be delivered to a predetermined location selected by the Contractor and Landowner and approved by the Construction Manager. Costs for the wood and delivery shall not be included in the bid price. Contractor may be responsible for unloading the delivered logs. Material shall become the property of the contractor upon arrival to the predetermined location.

Installation of the Log Cover Structure anchors will be completed by RCAA. Contractor will be responsible for coordinating with RCAA field staff to place Logs and Ballast Rock in a manner that is suitable for installation of anchors. Contractor shall coordinate with RCAA regarding timing of backfilling Ballast Rock trenches following installation of anchors.

ITEM 9. ALCOVE EXCAVATION

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to complete the excavation for the Alcove, to the requirements as shown on the
contract Plans. This item applies to the Alcove site and includes all finished grading of the project area as required to achieve the required finished lines and grades within grading limits.

ITEM 10. ALCOVE CULVERT

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for furnishing all submittals, labor, materials (see note below for exceptions), tools, equipment, and incidentals for doing all the work to install the new culvert at the Alcove site. This item includes, but is not limited to, excavation, removal and disposal of the existing culvert, unloading culvert from delivery truck(s), transporting culvert from delivery location to project site, installation of the culvert, salvaging and importing backfill material, and preparing, placing, and compacting backfill. This item includes hauling and delivery of imported backfill materials, including Sand Bedding material (see note below). This item applies to the Alcove site only.

The culvert shall be purchased by RCAA and will be shipped to a predetermined location selected by the Contractor and approved by the RCAA. Contractor will be responsible for unloading the culvert immediately upon arrival to the predetermined location and delivery to the project site. Costs for the culvert and delivery to the pre-determined location shall not be included in the bid price. Material shall become the property of the contractor upon arrival to the predetermined location.

RCAA will be responsible for purchase of the aggregate materials. The Contractor will be responsible for picking up materials and hauling to the project site. Costs for purchase of aggregate materials shall not be included in the bid price. The Contractor shall keep weight tickets for each load of aggregate materials and provide tickets to the Construction Manager at the end of each day.

ITEM 11. ALCOVE ONSITE SOIL RE-USE

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for furnishing all labor, tools, equipment, and incidentals for doing all the work involved in loading, hauling, and delivering spoils generated from excavation of the Alcove and Alcove Culvert to the specified and delivering spoils to the specified soils re-use areas, as shown on the contract Plans. See note below.

The Landowner shall spread material within the Spoils Re-use Areas under the direction of the Construction Manager. The contractor shall be responsible for coordinating with the Landowner to determine locations for delivery of spoils, and provide sufficient material in an efficient manner that avoids additional handling of material.

ITEM 12. LOG OVERHANG STRUCTURES AT ALCOVE
Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for furnishing all submittals, labor, tools, equipment, and incidentals for doing the work involving trenching and placement of logs and trenching, delivery, placement, and backfilling of ballast rock for the Log Overhang Structures in the Alcove (see note below). This item applies to the Alcove only.

RCAA shall be responsible for purchase of the Ballast Rock. The Contractor shall be responsible for picking up the rock and hauling it to the project site. Costs for purchase of the Ballast Rock shall not be included in the bid price. The Contractor shall keep weight tickets for each load of Ballast Rock and provide tickets to the Construction Manager at the end of each day.

The logs and root wads for Log Overhang Structures will be purchased by RCAA and will be delivered to a predetermined location selected by the Contractor and Landowner and approved by the Engineer. Costs for the wood and delivery shall not be included in the bid price. Contractor may be responsible for unloading the delivered logs. Material shall become the property of the contractor upon arrival to the predetermined location.

Installation of the Log Overhang Structure anchors shall be completed by RCAA. Contractor shall be responsible for coordinating with RCAA field staff to place Logs and Ballast Rock in a manner that is suitable for installation of anchors. Contractor shall coordinate with RCAA regarding timing of backfilling ballast rock trenches following installation of anchors.

PART 2 PRODUCTS [N/A]

PART 3 EXECUTION [N/A]
SUBMITTAL PROCEDURES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Submittal procedures.

B. Construction progress schedules.

C. Product data & shop drawings.

1.02 MEASUREMENT AND PAYMENT

A. Measurement and payment for this item shall be included in the Bid Item to which it relates.

No additional measurement or payment will be included for the requirements of this section.

1.03 SUBMITTAL PROCEDURES

A. Submit on Submittal Form with information similar to the attached.

B. Sequentially number transmittal forms. Mark revised submittals with original number and sequential alphabetic suffix.

C. Identify Project, Contractor, Subcontractor and supplier; pertinent drawing and detail number, and specification section number, appropriate to submittal.

D. Apply Contractor’s stamp, signed or initialed certifying that review, approval, verification of products required, field dimensions, adjacent construction work, and coordination of information is in accordance with requirements of the Work and Contract Documents.

E. Schedule submittals to expedite Project, and deliver to Construction Manager.

F. For each submittal for review, allow fourteen (14) calendar days excluding delivery time to and from Contractor.

G. Identify variations from Contract Documents and product or system limitations which may be detrimental to successful performance of completed Work.
H. When revised for resubmission, clearly identify changes made since previous submission.

I. Distribute copies of reviewed submittals as appropriate. Instruct parties to promptly report inability to comply with requirements.

1.04 PRODUCT DATA AND SHOP DRAWINGS

A. Product Data and Shop Drawings: Submit to Construction Manager for review for limited purpose of checking for conformance with information given and design concept expressed in Contract Documents.

B. Submit a single re-producible copy or email an electronic version of the submittal to the Construction Manager.

C. Mark submittal to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information specific to this Project.

1.08 REQUESTS FOR SUBMITTALS

A. Contractor is directed to each Specification section for required submittals, however, the anticipated Submittals shall consist of, but is not necessarily limited to the following:

<table>
<thead>
<tr>
<th>Section</th>
<th>Submittal Title</th>
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<tbody>
<tr>
<td>01 57 00</td>
<td>Water Management Plan</td>
</tr>
<tr>
<td>See Plans</td>
<td>Stop Log Guide Assembly Plan (Shop Drawings)</td>
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</tbody>
</table>

PART 2 PRODUCTS [N/A]

PART 3 EXECUTION [N/A]
SHOP DRAWING/MATERIAL REVIEW REQUEST

INSTRUCTION: Complete this form and attach to each specific Shop Drawing Submittal.

1. Contract Name:

2. Submission No. Submittal:
   3. New
   4. Resubmittal

5. Date of this submittal:

6. Date of receipt by Construction Manager:

7. Previous Submission No. (if any):

8. Contractor:

9. Submitted by (signature and date):

10. Item Paragraph Nos. Specification Section and Description of Material
    (Name, Type, Model, Catalog No., Mfg., Etc.)

11. Comment:
    Include all drawing titles and numbers, specific information not on drawings, information coming later, etc.

For Use of Construction Manager Only:

14. Action taken*

15. Review by (signature and date)

*See review stamp on individual items.
## SUBMITTAL TRANSMITTAL

**PROJECT:** Redwood Community Action Agency

**SUBMITTAL NO.:**

**SUBMITTAL TRANSMITTAL**

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### OWNER'S REP'S REMARKS:

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### NOTE:

**NOTE:** NOTATIONS DO NOT AUTHORIZE CHANGES TO CONTRACT SUM OR TIME. IF YOU ARE AUTHORIZED TO PROCEED WITH THE WORK IDENTIFIED IN THIS SUBMITTAL, IT IS ASSUMED THAT NO CHANGE IN THE CONTRACT AMOUNT OR COMPLETION DATE IS REQUIRED. IF A CHANGE IN THE WORK AFFECTING YOUR CONTRACT AMOUNT OR COMPLETION DATE IS INVOLVED, NOTIFY THE OWNER’S REPRESENTATIVE IMMEDIATELY.
ENVIRONMENTAL REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Water Management (Dewatering and Clear Water Diversion) B. Permit Compliance

C. Spill Prevention

D. Dust Control

E. Related Sections

   1. Section 01 33 00 – Submittal Procedures

   2. Appendix A – Permit Conditions

1.02 MEASUREMENT AND PAYMENT

A. Refer to Section 01 15 00 Measurement and Payment.

1.03 SUBMITTAL REQUIREMENTS

A. Section 01 33 00 – Submittal Procedures

B. Water Management Plan

The Contractor shall submit a Water Management Plan within five (5) working days of Award to Contract. The Plan shall describe, in detail, the Contractor’s approach to control water during construction activities. The Plan shall cover both isolation and dewatering, which should be described separately.

1. Dewatering

   a. Shallow groundwater exists beneath the project site. The Contractor shall anticipate encountering groundwater during excavation activities. This water, and other water that enters the construction area is referred to as nuisance water. The Contractor must manage nuisance water in order to conduct construction activities and comply with project permits.
e. The Contractor is required to meet the surface water discharge limit requirements listed below and outlined by the Regional Water Quality Control Board. The Construction Manager will conduct sampling downstream of the discharge location to monitoring compliance.

f. The Contractor is required to dewater construction areas to provide for proper excavation and filling. Although dewatering methods are left to the discretion of the Contractor, the Dewatering Plan needs to be approved by the Construction Manager prior to beginning and construction work. Water pumped from typical channel excavations is likely to contain suspended sediments or other materials, and may not be discharged directly to surface waters. Sediment controls shall be provided to remove sediments generated during the dewatering activities, pumped water shall be discharged in conformance with all applicable laws and permit requirements.

g. Potential Dewatering discharge areas include:

   Groundwater/nuisance water encountered during channel excavation shall be pumped through a sediment bag filter and infiltrated within adjacent pastures of the project site and/or used for dust suppression over open graded areas, access roads where discharge waters will not impede any construction activities and subject to approval by the Construction Manager.

h. Because dewatering may occur in areas that have special status species, the Contractor will need to work with the Construction Manager and Aquatic Biologist to develop dewatering plan approaches that will allow appropriate time for surveys and relocation efforts or to develop alternatives for dewatering that would reduce the amount of "take" of a special status species.

i. The Water Management Plan shall include, but not be limited to, the methods used, schedule of operation, description of equipment such as sump pumps, baker tanks or other forms of conveyance and storage and/or filtration equipment to be used for groundwater pumping and treatment, discharge location and erosion control measures.

1.04 GENERAL PROJECT-WIDE MEASURES

A. Contractor shall comply with all provisions of any federal, state and local permits necessary to complete the project.

B. The Contractor, Contractor’s staff and Contractor’s subcontractors shall be fully informed of the requirements of the project permits and environmental regulatory
documents as well as rules, regulations, and conditions that may govern the Contractor's operations in the project area and shall conduct the work accordingly. The Contractor shall comply with all project permit and environmental regulatory document requirements. The Contractor is responsible to conduct the work in accordance with all project permits and environmental documents. Work windows specified in the various project permit conditions may conflict within one another, therefore the most restrictive windows shall be exercised and as shown in the schedule on the plans.

C. The Contractor shall comply with all other permit conditions, including construction windows, restrictions on work approach related to special status species and archaeologically significant resource areas, buffer zones related to special status species, pre-construction and construction clearance surveys, daily site clearances, and construction monitoring.

D. All personnel working on site will be required to participate in a short briefing by Construction Manager and qualified biologist about the presence of federally and state-listed bird, fish, amphibian, reptile, mammalian, and Plant species at the site, 2) avoidance areas; 3) construction windows and effects on sequencing of work; 4) buffers between construction activities and breeding/nesting areas; and 5) pre-construction and construction clearance surveys and construction monitoring requirements prior to initiating and continuing work in construction work areas, including the potential necessity for trapping or seining and relocation; 6) Need to halt work if potential special status species located by Contractor or representative and notify Construction Manager before proceeding with work; 7) Requirements for minimizing other environmental impacts, including noise, traffic, etc.; and 8) The possible presence of archaeological or cultural resources and need to halt work if suspected archaeological or historic resources are found and notify the Construction Manager before proceeding with work.

E. Contractor shall ensure that all on-site workers and contractors understand and agree to observe the standards for work outlined in project permits.

PART 2 PRODUCTS [N/A]

PART 3 EXECUTION

3.01 DEWATERING

A. See contract Plans for Water Management Specifications
CLOSEOUT PROCEDURES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Requirements preparatory to final inspection.

B. Final inspection.

C. Acceptance of the Work and final payment.

1.02 RELATED SECTIONS

A. See General Contract

1.03 Measurement and Payment

A. Refer to Section 01 15 00 Measurement and Payment.

1.04 REQUIREMENTS PREPARATORY TO FINAL INSPECTION

A. The Contractor shall request a preliminary final inspection to determine the state of completion of the Work.

B. The request shall be made in writing, addressed to the Construction Manager, at least seven calendar days in advance of the requested date of the preliminary inspection.

C. The Construction Manager will perform the preliminary inspection within three days of the requested date.

D. Prior to the requested date of the preliminary inspection, the Contractor shall perform or provide the following, as applicable:

1. Temporary facilities, except as may be required for punch list work, shall be removed from the site.

2. The site and all applicable appurtenances and improvements shall be cleaned as specified in these specifications.
3. Guaranties and warranties shall be submitted to the Construction Manager.

E. The Contractor shall be represented by its principal superintendent and such Subcontractors and Suppliers as may be necessary to answer the questions of the Owner inspection team.

F. Certain elements of the Work may be scheduled separately at appointed times in order to keep the preliminary inspection more focused and the number of persons in the Owner inspection team to a minimum.

G. From the information gathered from this inspection, the Construction Manager will prepare a punch list of work to be performed, corrected, or completed.

H. All work on the punch list shall be completed by the Contractor prior to requesting the final inspection.

1.05 SUBMITTALS

A. Request for Final Inspection

B. Record Drawings

PART 2 PRODUCTS [NOT USED] PART 3 EXECUTION

3.01 SITE CLEANUP

A. Before scheduling the final inspection, the Contractor shall remove all tools, equipment, surplus materials, construction debris, and rubbish. The Contractor shall replace or refinish fencing, gates, or other infrastructure that are damaged due to work of this contract to previous condition as directed by the Construction Manager. At time of final inspection, the project sites shall be thoroughly clean and ready for use.

B. All access roads utilized during construction shall be rehabilitated as necessary to pre-project conditions, or as directed by the Construction Manager. All access road rehabilitation work needs to be approved by the Construction Manager prior to implementation.

3.02 PROJECT RECORD DRAWINGS

A. The Contractor shall maintain one complete full-size set of contract drawings and one full-size set of vendor-supplied drawings. The Contractor shall clearly mark changes, deletions, and additions using the following drafting standards to
show actual construction conditions. The Contractor shall show additions in red, deletions in green and special instructions in blue.

B. The Contractor shall keep record drawings current and make record drawings available to the Construction Manager for inspection at the time of progress payment requests. If project record drawings are not current, the Construction Manager may retain the progress payment.

C. On completion of the total project, the Contractor shall submit complete record drawings and include all shop drawings, sketches, and additional drawings that are to be included in the final set, with clear instructions showing the location of these drawings.

3.03 CLOSEOUT SUBMITTALS
A. The Contractor shall submit the following materials to the Construction Manager before final inspection request:

1. Project Record Drawings: As specified above.

2. Guarantees and Bonds: As specified in individual sections.

B. Completion of Work Final Reports. The following will be provided by the Owner’s representative:

1. Final Reports: Upon completion of the permitted rough grading work and at the final completion of the work, final reports and drawings and supplements thereto are required for engineered grading, or when professional inspection is performed for regular grading, as applicable.

2. Final Reports: Upon completion of the permitted rough grading work and at the final Notification of Completion. The permittee shall notify the building official when the grading operation is ready for final inspection. Final approval shall not be given until all work, including installation of all drainage facilities and their protective devices, and all erosion-control measures have been completed in accordance with the final approved grading plan, and the required reports have been submitted.

3.04 FINAL INSPECTION
A. When all requirements of the above prepared punch list have been completed, the Contractor shall request the final inspection to determine eligibility for issuance of the Certificate of Completion.

B. The request shall be made in writing, addressed to the Construction Manager, at least seven calendar days in advance of the requested date of the final inspection.
C. The Contractor shall be represented by its principal superintendent and such Subcontractors and Suppliers as may be necessary to verify the completion of the Work including punch list items.

D. Depending on the extensiveness of the punch list items, certain elements of the Work may be scheduled separately for final inspection at appointed times.

3.05 ACCEPTANCE OF THE WORK AND FINAL PAYMENT

A. The Construction Manager will accept the Work upon completion of completion punch list items.

B. Acceptance of the Work will be made in accordance with the General Conditions, Final Inspection and Acceptance of All or a Portion of the Work, of the General Conditions. Final payment will be made in accordance with the Final Payment section of the General Conditions.
PART 6: PROJECT PLANS
REDWOOD COMMUNITY ACTION AGENCY

PLANS FOR CONSTRUCTION OF

OFF-CHANNEL SALMONID HABITAT DESIGN FOR
FRESHWATER CREEK, CALIFORNIA

April, 2019
Bid Set

Prepared For:
- REDWOOD COMMUNITY ACTION AGENCY (RCAA) NATURAL RESOURCES SERVICES
- CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE (CDFW), FISHERIES RESTORATION
  GRANTS PROGRAM (AGREEMENT P1210305)

Located in Humboldt County, California
Near the town of Eureka

Sheet List
1. TITLE SHEET
2. SYMBOLS, ABBREVIATIONS AND WATER MANAGEMENT
3. GENERAL NOTES
4. PLAN OVERVIEW
5. LOWER POND EXISTING CONDITION AND DEMOLITION PLAN
6. LOWER POND SITE PLAN
7. FRESHWATER CREEK BANK STABILIZATION
8. LOWER POND PROFILE
9. LOWER POND DETAILED GRADING SECTIONS
10. ALCOVE EXISTING CONDITION AND DEMOLITION PLAN
11. ALCOVE SITE PLAN
12. ALCOVE PROFILES
13. ALCOVE DETAILED GRADING SECTIONS
14. STOP LOG AND BANK STABILIZATION DETAILS
15. WOOD STRUCTURE TYPICALS
16. PLANTING PLAN
17. PLANTING NOTES
**WATER MANAGEMENT SPECIFICATIONS**

1. Water Management shall be performed in accordance with Section 13 of Caltrans (2010) and as specified in the contract documents.

2. The need for a Clearwater Diversion is not anticipated, though isolation will be necessary. In Freshwater Creek, work areas shall be temporarily isolated and fish shall be removed by a qualified biologist provided by RCAA. Contractor shall be responsible for coordinating with the biologist such that fish removal is performed during the construction schedule.

3. Dewatering of work areas may be necessary. Contractor shall be prepared to implement isolation and dewatering operations such that they occur in a timely manner and do not impact the work schedule.

4. Dewatering of work areas may be necessary. Contractor shall be prepared to implement isolation and dewatering operations such that they occur in a timely manner and do not impact the work schedule.

5. Water pollution control measures shall be maintained in accordance with Section 13 of Caltrans (2010) and as specified in the contract documents.

6. All erosion and sediment control measures shall be maintained in accordance with the respective BMP Fact Sheet until disturbed areas are stabilized.

7. All erosion and sediment control measures shall be maintained in accordance with the respective BMP Fact Sheet until disturbed areas are stabilized.

8. The contractor shall provide sanitary facilities of sufficient number and size to accommodate construction crews and ensure adequate anchorage of such facilities to prevent them from being tipped by the weather or vandalism.

9. The contractor shall be responsible for providing pumps and pipes with adequate capacity to accommodate construction crews and ensure adequate anchorage of such facilities to prevent them from being tipped by the weather or vandalism.

10. Soil stockpiles shall be covered, and located at least 50 feet from drainage channels and stormwater systems.

11. Unplasticized paper shall be used on-site to avoid the use of paper that is not biodegradable.

12. Vehicle and equipment maintenance shall be performed off-site whenever practical.

13. All sediment deposits on paved surfaces shall be swept off at the end of each working day, as necessary, or as directed by the Engineer. A stabilized construction entrance may be required to prevent sediment from being deposited on paved roads. Contractor shall be responsible for all fines and cleanup resulting from violations.

14. All erosion and sediment control measures shall be maintained in accordance with their respective BMP Fact Sheet until disturbed areas are stabilized.

15. This plan may not cover all the situations that arise during construction due to unanticipated field conditions. Variations may be made to the plan in the field subject to the approval of or at the discretion of the Engineer.

16. It will be the responsibility of the Contractor to maintain erosion and prevent the transport of sediment to sensitive areas.

17. It is the responsibility of the Contractor to minimize erosion and prevent the transport of sediment to sensitive areas.

18. Sufficient Erosion Control Supplies shall be available on-site at all times to deal with areas susceptible to erosion during rain events.

**WATER POLLUTION CONTROL NOTES**

1. All sediment deposits on paved surfaces shall be swept off at the end of each working day, as necessary, or as directed by the Engineer. A stabilized construction entrance may be required to prevent sediment from being deposited on paved roads. Contractor shall be responsible for all fines and cleanup resulting from violations.

2. All erosion and sediment control measures shall be maintained in accordance with the respective BMP Fact Sheet until disturbed areas are stabilized.

3. All sediment deposits on paved surfaces shall be swept off at the end of each working day, as necessary, or as directed by the Engineer. A stabilized construction entrance may be required to prevent sediment from being deposited on paved roads. Contractor shall be responsible for all fines and cleanup resulting from violations.

4. Mitigate disturbance of existing vegetation to the necessary to complete work.

5. The contractor shall provide covered waste receptacles for common solid waste at convenient locations on the jobsite and provide regular collection of wastes.

6. The contractor shall provide sanitary facilities of sufficient number and size to accommodate construction crews and ensure adequate anchorage of such facilities to prevent them from being tipped by the weather or vandalism.

7. The contractor shall provide sanitary facilities of sufficient number and size to accommodate construction crews and ensure adequate anchorage of such facilities to prevent them from being tipped by the weather or vandalism.

8. Covered and secured storage areas for potentially hazardous materials shall be provided. All hazardous material containers shall be placed in secondary containment.

9. The contractor shall be responsible for providing pumps and pipes with adequate capacity to accommodate construction crews and ensure adequate anchorage of such facilities to prevent them from being tipped by the weather or vandalism.

10. Soil stockpiles shall be covered, and located at least 50 feet from drainage channels and stormwater systems.

11. Unplasticized paper shall be used on-site to avoid the use of paper that is not biodegradable.

12. Vehicle and equipment maintenance shall be performed off-site whenever practical.

13. All sediment deposits on paved surfaces shall be swept off at the end of each working day, as necessary, or as directed by the Engineer. A stabilized construction entrance may be required to prevent sediment from being deposited on paved roads. Contractor shall be responsible for all fines and cleanup resulting from violations.

14. All erosion and sediment control measures shall be maintained in accordance with their respective BMP Fact Sheet until disturbed areas are stabilized.

15. This plan may not cover all the situations that arise during construction due to unanticipated field conditions. Variations may be made to the plan in the field subject to the approval of or at the discretion of the Engineer.

16. It will be the responsibility of the Contractor to minimize erosion and prevent the transport of sediment to sensitive areas.

17. It is the responsibility of the Contractor to minimize erosion and prevent the transport of sediment to sensitive areas.

18. Sufficient Erosion Control Supplies shall be available on-site at all times to deal with areas susceptible to erosion during rain events.

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**LEGEND AND SYMBOLS**

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<td>Contour and Elevation</td>
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<td>C</td>
<td>Spot Elevation</td>
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<td>D</td>
<td>Channel Thalweg or Drainage</td>
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<td>E</td>
<td>Adjustment Stationing (Feet)</td>
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<td>F</td>
<td>Tree Diff Line</td>
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<td>G</td>
<td>Flow Direction</td>
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<td>Piping</td>
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<td>Pipe</td>
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<td>J</td>
<td>Culvert</td>
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<td>K</td>
<td>Slope Line</td>
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<td>L</td>
<td>Loc/Loc Wood Structure</td>
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<td>M</td>
<td>Soils to be Removed</td>
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<tr>
<td>N</td>
<td>Fencing Line</td>
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<tr>
<td>O</td>
<td>Temporary Fencing</td>
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</tbody>
</table>

**TO BE CONSTRUCTED**

- Fence Line
- Temporary Fence
- Unit of Erosion

**SYMBOLS, ABBREVIATIONS AND ABBREVIATIONS**

- APPROX. = APPROXIMATELY
- CA = CAUSTIC
- CL = CORRUGATED METAL PIPE
- CON = CONCRETE
- COP = CONSTRUCTION POINT
- CRY = CRYSTAL GROUND WATER
- DR = DRAINAGE AREA
- DT = DENIER POLYPROPYLENE
- DW = DRAIN WATER
- F = FOUNDRY SAND
- FL = FINE GRADE SANDWICH
- G = GROUNDED
- HS = HARD SURFACE
- INV = INVERT
- $n^2$ = SQUARE FOOTAGE
- K = KALGON
- M = MATERIAL
- N = NAIL AND SHINDER
- NC = NOT IN CONTRACT
- NT = NOT TO SCALE
- O.C. = ON CENTER
- R.D. = RELATIVE DENSITY
- R.S. = ROD TYPE SCHEDULE
- S.Y. = SQUARE YARD
- T.B. = TEMPORARY BEDDING
- T.D. = TYPICAL DRAWING
- W/Y = W/M
- X = PERCENT

**SECTION 9. SHEET ON WHICH SECTION, THORAL OR RIVAL APPEARS**

- SHEET 9. SHEET ON WHICH SECTION, THORAL OR RIVAL APPEARS

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- SHEET 9. SHEET ON WHICH SECTION, THORAL OR RIVAL APPEARS
GENERAL NOTES
1. This project requires a Class A General Engineering Contractor License in the State of California.
2. The term “Engineer” is defined as an authorized qualified professional designated by Redwood Community Action Agency (RCAA). All improvements shall be undertaken only under the supervision and inspection of the authorized professional.
3. In the event cultural resources (i.e., historical, archeological, and paleontological resources, or human remains) are discovered during grading or at other construction activities, work shall be halted in a 100-foot radius of the find. A qualified archeologist and/or a qualified human remains’ identification professional may be required, at RCAA’s expense, to perform the archeological and/or human remains’ identification work.
4. Documents of concern are not to be hazardous materials are encountered, stop work in the affected area immediately and contact RCAA if any condition for a hazardous material appears. The contact number will be posted on the site.
5. In the event of a soils investigation, the assessment by the qualified professional is required to determine if any areas to be hazardous materials are encountered, stop work in the affected area immediately and contact RCAA if any condition for a hazardous material appears. The contact number will be posted on the site.
6. The use of construction materials or methods that are hazardous, as determined by a licensed professional engineer, will not be permitted.
7. If hazardous materials are found or suspected, the material shall be removed by a licensed professional engineer or contractor and Transported to an area and manner designated by the Engineer.
8. The Contractor is responsible for preparing the site for all work to be performed.
9. The Contractor shall be responsible for all work performed on the site.
10. The Contractor shall be responsible for all work performed on the site.
11. The Contractor shall be responsible for all work performed on the site.
12. The Contractor shall be responsible for all work performed on the site.
13. The Contractor shall be responsible for all work performed on the site.

SITE ACCES AND RESTORATION NOTES
1. Construction access to the site shall be indicated by Engineer in the field.
2. At project completion, the gravel driveway from Highway 1 to the Project Site shall be removed.
3. Soil stabilization shall occur in all areas to be seeded as shown on the Plan, and any additional areas disturbed by construction (including not plowed area, grading, stockpiling, and haul routes) has to be restored to landform area as specified to be restored to landform area as specified.
4. Willow slats shall be removed to be salvaged with root ball and shall be replanted at direction of the Engineer.
5. Logo shall be salvaged and incorporated into wood structures.
6. Trees not designated for removal shall remain.

EJECTION NOTES
1. Contractor shall remove the geologic report by Pacific Watershed Associates (PWA, 2014) prior to excavation.
2. All excavation and backfill for the project shall be in accordance with Caltrans (2010) Section 19-1 and as indicated in these construction documents.
3. Excavation shall be done to the top of the stake. Contractor shall be responsible for removing all debris and completed cleanup.
4. Material handling of material may be necessary.
5. Unsuitable material shall become the property of the contractor and shall be removed from the site by the contractor for disposal or approved location. Unsuitable material includes those defined in Section 19-1 of Caltrans (2010) and concrete, gravel, ground pipes, and other material within the Project Area.
6. Suitable excavated material shall be stockpiled at the direction of the Engineer for use as backfill for culvert installation or transportation to the designated Site Book Area. In Site Book Areas, there shall be a grid plan to locate the direction of the Engineer, with pavement areas to >2 meters, and a surface that maintains positive drainage.
7. All typed and grading sections are looking up station.
8. Unless otherwise specified, tolerance for finished grade shall be ±0.3 feet and tolerance for horizontal locations shall be ±0.5 foot.
9. TIME-OUT ROAD
1. Private drive shall remain open to resident traffic and emergency vehicles at all times.
2. Install barrie sufficient to protect motorists from open trench.

UTILITY NOTES
1. All utilities shown (if any) were located from above-ground visual structures. No utility research was conducted for the site. Notice Underground Service Alert (BAS) at least ten days prior to the operation at 1-800-207-3000.
2. Contractor shall be responsible for any damage to utilities and structures located in the project area and construction access routes. Contractor shall avoid any utilities unless proven safe by the utility owner.
3. Contractor may take place in the vicinity of overhead utility lines. In the Contractor’s responsibility and control, any damage of any underground or overhead utility lines caused by the Contractor shall be repaired.
4. Bride shall be carefully lowered in the trench to prevent damage. Under no circumstances shall the bride be dropped or damaged in the trenches.
5. Any crushed or chipped gangshan shall be removed to intact gangshan and gangshan. Following methods in ASTM A743.

CULVERT AND ROADWAY SPECIFICATIONS
Material Specifications
1. CULVERT INSTALLATION shall conform to Caltrans (2010) Section 86. Culverts shall be 10-gallon galvanized of the specified dimensions.
3. Embankment Bicalli shall be consistent with a shade of green and color shall not contain orange or iron oxide. The color shall be consistent with a shade of green and color shall not contain orange or iron oxide.
5. Embankment Bicalli shall be consistent with a shade of green and color shall not contain orange or iron oxide. The color shall be consistent with a shade of green and color shall not contain orange or iron oxide.
6. Contractor shall conform to California Code of Regulations. The color shall be consistent with a shade of green and color shall not contain orange or iron oxide.
7. Contractor shall confirm to California Code of Regulations. The color shall be consistent with a shade of green and color shall not contain orange or iron oxide.
8. Contractor shall confirm to California Code of Regulations. The color shall be consistent with a shade of green and color shall not contain orange or iron oxide.
9. Brush incorporated into the structure shall be small stumps, limbs and branches a minimum of 9 feet in length on salvaged from the construction access areas. Large brush and branches shall be removed and not placed on the site. Brush shall be removed and not placed on the site. Brush shall be removed and not placed on the site.
10. Installation Specifications
1. Installation of the culvert shall be in accordance with Section 19-1-4, 48, other relevant sections of Caltrans (2010) and contractor’s specifications, unless otherwise noted.
2. The pipe shall be carefully lowered in the trench to prevent damage. Under no circumstances shall the pipe be dropped or damaged in the trenches.
3. Any crushed or chipped gangshan shall be removed to intact gangshan and gangshan. Following methods in ASTM A743.

SPECIFICATIONS FOR LOG STRUCTURES
Material Specifications
1. All logs shall be sound, free of rot and untreated Douglas Fir or Alderwood. Logs shall meet minimum length of 9 feet shall not be accomplishments with joining of multiple logs. All logs shall meet minimum length of 9 feet shall not be accomplishments with joining of multiple logs.
2. Anchoring shall conform to Contract Documents.
FRESHWATER CREEK BANK STABILIZATION

PLANNED WRP BANKLINE

TEMPORARY ISOLATION
WALKING FOR WATER
MANAGEMENT

(i) GATE TO BE REINSTALLED FOLLOWING
COMPLETION OF CULVERT WORK.

(ii) TREE TO REMAIN AND BE
PROTECTED. WOODY Root
PROTECTION AREA AS
DIRECTED BY THE ENGINEER.

(iii) LIMIT OF GRADING

(iv) 5 FT DIAMETER CMP

FRESHWATER CREEK

PLAN

PO Box 4477   Arcata, CA 95518    (707) 822-2411

LLANOS / LOVE
APRIL  2019

LLANOS

FRESHWATER CREEK BANK STABILIZATION

PLAN

C2
ALCOVE SITE PLAN

FRESHWATER CREEK

PO Box 4477   Arcata, CA 95518    (707) 822-2411

LLANOS / LOVE
Drawn
APRIL  2019

Date

Sheet

BID SET

FRESHWATER CREEK OFF-CHANNEL HABITAT RESTORATION

Natural Resources Services
A Division of Redwood Community Action Agency
(707) 269-2065 • 904 G St. Eureka, CA 95501

R:\Freshwater Creek Off-Channel\DWG\3_FW_E-COND.dwg
5/7/19

ALCOVE EXISTING CONDITION AND DEMOLITION PLAN

ALCOVE SITE PLAN
ALCOVE PROFILE ALONG ALCOVE ALIGNMENT (A)

TRIBUTARY AT ALCOVE PROFILE ALONG TRIBUTARY ALIGNMENT (B)

PO Box 4477   Arcata, CA 95518    (707) 822-2411

LLANOS / LOVE
Design
Date
Sheet

FRESHWATER CREEK OFF-CHANNEL HABITAT RESTORATION

Natural Resources Services
A Division of Redwood Community Action Agency
(707) 269-2065 • 904 G St. Eureka, CA 95501

R:
Freshwater Creek Off-Channel Habitat
DWG
5_FW-PROFILES.dwg
5/7/2019

C6

ALCOVE PROFILES

TRIBUTARY AT ALCOVE
PROFILE ALONG TRIBUTARY ALIGNMENT (B)

HORIZONTAL SCALE

VERTICAL SCALE

Foot

HORIZONTAL SCALE

VERTICAL SCALE

Foot
BANK STABILIZATION DETAIL SECTION

TRIBUTARY STABILIZATION DETAIL PLAN

DEAD STOUT STAKES DETAIL

STOP LOG WEIR DETAIL SECTION

SECTION A-A'

SECTION B-B'

STAFF LOG
**LOG OVERHANG STRUCTURE**

**SECTION A**

- **PLAN**
  - High Support Log
  - Cross Log
  - Friction Anchor

- **ELEVATION B**
  - Cross Log
  - Friction Anchor
  - High Support Log

**LOG COVER STRUCTURE**

**SECTION C**

- Log to Rock Anchor
  - Friction Anchor

**LOG TO ROCK ANCHORING**

- washer, bolted and mushroomed end of threaded rebar
- Steel washer plate
- Rebar friction anchor through center of log

**REBAR FRICTION ANCHOR**

- threaded rebar
- washer, bolted and mushroomed end of threaded rebar
- steel washer plate
- rebar friction anchor through center of log

- multiple rocks may be hung from threaded rebar on one or both sides and additional plates to separate each cable loop.
PLANTING PLAN
1. APPROXIMATELY 5.6 ACRES OF THE PROJECT AREA WILL BE DEVOTED TO THREE DISTINCT PLANT ASSOCIATIONS IN OCTOBER AT THE ONSET OF THE FIRST RAIN.
   - FRESHWATER WETLAND (0.16 AC)
   - MIXED RIPARIAN (0.4 AC)
   - PASTURE/WET MEADOW (0.10 AC)

2. NATIVE FRESHWATER WETLAND PLANTS WILL BE INSTALLED ON THE EAST SIDE OF THE LOWER POND BETWEEN ELEVATION 83.2 AND ELEVATION 8.6 AND IN THE ALLOE BETWEEN ELEVATION 8.6 AND 8.2. PLANT SPECIES WILL CONSIST OF USE PROPAGULES INCLUDING CUTTINGS, DIVISIONS, RHIZOMES, AND/or CORMS.

3. MIXED RIPARIAN TREES AND SHRUBS WILL BE INSTALLED AROUND THE ALOE AND THE EAST SIDE OF THE LOWER POND. PLANT SPECIES WILL CONSIST OF LIVE WILLOW STAKES AND NURSERY-GROWN CONTAINER PLANTS.

4. PASTURE WILL BE SEEDED IN DISTURBED UPLANDS AND SPRAYS IN USE AREAS.

5. PLANTING LOCATIONS WILL BE INDICATED WITH COLORED PIN FLAGS Laid OUT BY A QUALIFIED ECOLOGIST. PLANTING HOLES WILL BE DUG FOR A PERIOD OF ONE YEAR AND WOODY TREES AND SHRUBS WILL BE IRRIATED AND MAINTAINED FOR 3 YEARS. LIVE WILLOW CUTTINGS AND GRASSES WILL NOT REQUIRE IRRIGATION AND MAINTENANCE TO ESTABLISH.

PLANT SPECIES PALETTE

1. TABLE 1, TABLE 2A, 2B, AND TABLE 3, THIS SHEET PROVIDE PLANT SPECIES PALETTE FOR EACH PLANT ASSOCIATION.

PLANT PROCUREMENT

1. ALL TREES AND SHRUBS CONTAIN PLANT PROPAGULES (SEEDS AND CUTTINGS), AS WELL AS WILLOW PLANTS. SEEDS USED WILL BE OF LOCAL ORIGIN, FROM HABITAT-SPECIFIC SOURCES PROVIDED BY NURSERIES SPECIALIZED IN NATIVE PLANT COLLECTION AND/OR PROPAGATION FOR RESTORATION PROJECTS.

2. SOME NATIVE PLANTS MAY BE ISSUED PRIOR TO GRADING DISTURBANCE. WHAT CANNOT BE COLLECTED ON-SITE WILL BE PROCURED FROM A LOCAL NATIVE PLANT NURSERY SUCH AS BAY SOILS IN MCKINLEYVILLE OR THE HFA NURSERY IN BLUE LAKE.

3. SEEDS WILL BE PRODUCED FROM PACIFIC COAST SEED IN EUREKA, CA WHO COLLECTS LOCALLY.

4. LIVE STAKES SHALL BE NATIVE WILLOW OR OTHER APPROVED SPECIES HARVESTED ON SITE AT THE DIRECTION OF ENGINEERS, APPROXIMATELY 1.5 TO 3 INCHES IN DIAMETER, A MINIMUM OF 8 FEET LONG.

5. REFINED ROCKS WILL BE PLACED TO THE SITE OF EACH LIVE STAKE TO DETERMINE THE ELEVATION OF THEplibY. ROCKS, CLODS, MULCH, OR BARK, MAY BE PLACED ALONG THE ROOT CROWN AND REDUCE ROOT DISEASE.

6. ALL ROCKS GREATER THAN 3 INCHES IN DIAMETER WILL BE REMOVED FROM THE EXCAVATED SOILS.

7. NO WATER BASINS ARE REQUIRED FOR WETLAND PLANTS OR LIVE WILLOW STAKES.

8. ALL ROCKS GREATER THAN 3 INCHES IN DIAMETER WILL BE REMOVED FROM THE EXCAVATED SOILS.

MIXED RIPARIAN PLANT INSTALLATION

1. SEE TABLE 1 FOR WET MEADOW PLANT PALETTE AND SPACING.

2. WETLAND PLANTS, WHETHER DIVISIONS, RHIZOMES, COINS, OR TRANSPLANTS WILL BE INSTALLED IN HOLE APPROPRIATE TO THE PROPAGULE SIZE SO THAT THEIR ROOT CROWNS ARE AT GRADE AND THE DEPTH OF THE HOLE IS EQUAL TO THE ROOT LENGTH.

3. SOIL EXCAVATED FROM THE HOLES SHALL BE 2 FULLY TAMPERED BACK AROUND EACH INSTALLED PLANT SUCH THAT LARGE AIR GAP IN THE HOLE ARE AVOIDED.

4. NO WATER BASINS ARE REQUIRED FOR WETLAND PLANTS OR LIVE WILLOW STAKES.

REINFORCED RIPARIAN INSTALLATION

1. INSTALL LIVE WILLOW STAKES THROUGH CORRugATING AT 3FT ON CENTER ALONG BAY BETWEEN ELEVATIONS 6.0 AND 8.5.

2. BOTTOM OF STAKE WILL EXTEND BELOW ELEVATION 4.5.

3. TOP OF STAKE WILL BE AT LEAST 1FT ABOVE FINISHED GRADE.
APPENDIX A
PROJECT PERMITS
Approved Permits

California Department of Fish and Wildlife, Streambed Alteration Agreement

County of Humboldt, Conditional Use Permit and Special Permit

County of Humboldt, Grading Permit

The following permits are covered by the Fisheries Restoration Grant Program [https://www.wildlife.ca.gov/Grants/FRGP/MND]:

- North Coast Regional Water Quality Control Board, 401 Water Quality Certification
- U.S. Army Corps of Engineers, 404 Regional General Permit
- National Oceanic and Atmospheric Administration, Biological Opinion
This Streambed Alteration Agreement (Agreement) is entered into between the California Department of Fish and Wildlife (CDFW) and Ms. Manning (Permittee) representing Redwood Community Action Agency.

RECITALS

WHEREAS, pursuant to Fish and Game Code (FGC) section 1602, Permittee notified CDFW on September 12, 2018 that Permittee intends to complete the project described herein.

WHEREAS, pursuant to FGC section 1603, CDFW has determined that the project could substantially adversely affect existing fish or wildlife resources and has included measures in the Agreement necessary to protect those resources.

WHEREAS, Permittee has reviewed the Agreement and accepts its terms and conditions, including the measures to protect fish and wildlife resources.

NOW THEREFORE, Permittee agrees to complete the project in accordance with the Agreement.

PROJECT LOCATION

The project is located at Freshwater Creek, tributary to Humboldt Bay, in the County of Humboldt, State of California; Latitude -40.76607N, Longitude -124.07087W; Township 4 and 5 North, Range 1 East, Sections 4 and 33 of the Arcata South 7.5 Minute U.S. Geological Survey (USGS) Quadrangle map.

PROJECT DESCRIPTION

The project is limited to activities described in Exhibit A Project Description.

PROJECT IMPACTS

Existing fish or wildlife resources the project could substantially adversely affect include: Coho salmon (Oncorhynchus kisutch), Chinook salmon (Oncorhynchus tshawytscha),
Steelhead-trout (*Oncorhynchus mykiss*), Coastal cutthroat trout (*Oncorhynchus clarki clarki*), Foothill yellow-legged frog (*Rana boylii*), Northern spotted owl (*Strix occidentalis caurina*), Willow flycatcher (*Empidonax traillii*), and other aquatic and riparian species.

The adverse effects the project could have on the fish or wildlife resources identified above include:

I. **Impacts to bed, channel, or bank; effects on habitat structure**
   1. Permanent or temporary loss of natural bank
   2. Change in contour of bed, channel or bank
   3. Change in gradient of bed, channel or bank
   4. Channel profile change: confinement or widening
   5. Change in composition of channel materials: LWD and D$_{50}$
   6. Soil compaction or other disturbance
   7. Restriction or increase in sediment transport

II. **Impacts to water quality**
   1. Change in Turbidity
      a. Increased sedimentation from adjacent construction
      b. Increased sedimentation from project roads
   2. Contaminants:
      a. Short-term release (*e.g.* incidental from construction)
   3. Change in dissolved oxygen (DO)

III. **Impacts to bed, channel, or bank; more direct effects on fish, wildlife, and their habitat**
   1. Loss or decline of riparian and/or emergent marsh habitat
   2. Colonization by exotic plant or animal species
   3. Direct take of fish and other aquatic species
   4. Disruption to nesting birds and other wildlife:
      a. Direct take or
      b. Disturbance from project activity
   5. Temporary loss or impediment of terrestrial animal species travel routes due to temporary structures such as survey tape, sandbags, erosion protection materials etc.

IV. **Impacts to natural flow: effects on habitat structure and process**
   1. Flow deflection
   2. Change in fluvial geomorphology

**MEASURES TO PROTECT FISH AND WILDLIFE RESOURCES**

1. Administrative Measures
Permittee shall meet each administrative requirement described below.

1.1 **Documentation at Project Site.** Permittee shall make the Agreement, any extensions and amendments to the Agreement, and all related notification materials and California Environmental Quality Act (CEQA) documents, readily available at the project site at all times and shall be presented to CDFW personnel, or personnel from another state, federal, or local agency upon request.

1.2 **Providing Agreement to Persons at Project Site.** Permittee shall provide copies of the Agreement and any extensions and amendments to the Agreement to all persons who will be working on the project at the project site on behalf of Permittee, including but not limited to contractors, subcontractors, inspectors, and monitors.

1.3 **Notification of Conflicting Provisions.** Permittee shall notify CDFW if Permittee determines or learns that a provision in the Agreement might conflict with a provision imposed on the project by another local, state, or federal agency. In that event, CDFW shall contact Permittee to resolve any conflict.

1.4 **Project Site Entry.** Permittee agrees that CDFW personnel may enter the project site upon arrangement to verify compliance with the Agreement.

2. **Avoidance and Minimization Measures**

A. **General Measures for Protection of Biological Resources**

1) **Timing.** To avoid impacts to aquatic habitat the activities carried out in the restoration program typically occur during the summer dry season where flows are low or streams are dry.

   a) Work around streams is restricted to the period of June 15 through November 1 or the first significant rainfall, whichever comes first. Actual project start and end dates, within this timeframe, are at the discretion of CDFW. This is to take advantage of low stream flow and avoid the spawning and egg/alevin incubation period of salmon and steelhead.

   b) Upslope work generally occurs during the same period as stream work. Road decommissioning and other sediment reduction activities are dependent on soil moisture content. Non jurisdictional upslope projects do not have seasonal restrictions in the Incidental Take Statement but work may be further restricted at some sites to allow soils to dry out adequately. In some areas equipment access and effectiveness is constrained by wet conditions.

   c) The approved work window for individual work sites will be further constrained as necessary to avoid the nesting or breeding seasons of birds
and terrestrial animals. At most sites with potential for raptor (including northern spotted owls) and migratory bird nesting, if work is conditioned to start after July 9, potential impacts will be avoided and no surveys will be required.

d) For restoration work that may affect swallow nesting habitat (such as removal or modification of bridges, culverts or other structures that show evidence of past swallow nesting activities), construction shall occur after August 31 to avoid the swallow nesting period. Suitable nesting habitat shall be netted prior to the breeding season to prevent nesting. Netting shall be installed before any nesting activity begins, generally prior to March 1. Swallows shall be excluded from areas where construction activities cause nest damage or abandonment.

e) All project activities shall be confined to daylight hours.

2) Projects shall not disturb or dewater more than 500 feet of contiguous stream reach.

3) During all activities at project work sites, all trash that may attract predators shall be properly contained, removed from the work site, and disposed of regularly. Following construction, all trash and construction debris shall be removed from work areas.

4) Staging/storage areas for equipment, materials, fuels, lubricants, and solvents, will be located outside of the stream's high water channel and associated riparian area where it cannot enter the stream channel. Stationary equipment such as motors, pumps, generators, compressors, and welders located within the dry portion of the stream channel or adjacent to the stream, will be positioned over drip-pans. Vehicles will be moved out of the normal high water area of the stream prior to refueling and lubricating. The Permitee shall ensure that contamination of habitat does not occur during such operations. Prior to the onset of work, CDFW shall ensure that the Permitee has prepared a plan to allow a prompt and effective response to any accidental spills. All workers shall be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur.

5) The number of access routes, number and size of staging areas, and the total area of the work site activity shall be limited to the minimum necessary to complete the restoration action while minimizing riparian disturbance without affecting less stable areas, which may increase the risk of channel instability. Existing roads shall be used to access work sites as much as practicable.

6) The access and work area limits shall be identified with brightly colored flagging or fencing. Flagging and fencing shall be maintained in good repair for the
duration of project activities. All areas beyond the identified work area limits shall not be disturbed.

7) Any construction debris shall be prevented from falling into the stream channel. Any material that does fall into a stream during construction shall be immediately removed in a manner that has minimal impact to the streambed and water quality.

8) Where feasible, the construction shall occur from the bank, or on a temporary pad underlain with filter fabric.

9) Any work within the stream channel shall be performed in isolation from the flowing stream and erosion protection measures shall be in place before work begins.

   a) Prior to dewatering, the best means to bypass flow through the work area to minimize disturbance to the channel and avoid direct mortality of fish and other aquatic invertebrates shall be determined.

   b) If there is any flow when work will be done, the Permittee shall construct coffer dams upstream and downstream of the excavation site and divert all flow from upstream of the upstream dam to downstream of the downstream dam.

   c) No heavy equipment shall operate in the live stream, except as may be necessary to construct coffer dams to divert stream flow and isolate the work site.

   d) Coffer dams may be constructed with clean river run gravel or sand bags, and may be sealed with sheet plastic. Upon project completion, sand bags and any sheet plastic shall be removed from the stream. Clean river run gravel may be left in the stream channel, provided it does not impede stream flow or fish passage, and conforms to natural channel morphology without significant disturbance to natural substrate.

   e) Dewatering shall be coordinated with a qualified fisheries biologist to perform fish and wildlife relocation activities.

   f) The length of the dewatered stream channel and the duration of the dewatering shall be kept to a minimum and shall be expected to be less than 300 contiguous feet or 500 total feet per site.

   g) When bypassing stream flow around work area, stream flow below the construction site shall be maintained similar to the unimpeded flow at all times.

   h) The work area shall be periodically pumped dry of seepage. Pumps shall be placed in flat areas, away from the stream channel. Pumps shall be secured by tying off to a tree or staked in place to prevent movement by
vibration. Pump intakes shall be covered with 0.125 inch mesh to prevent entrainment of fish or amphibians that failed to be removed. Pump intakes shall be periodically checked for impingement of fish or amphibians, and shall be relocated according to the approved measured outlined for each species bellow.

i) If necessary, flow shall be diverted around the work site, either by pump or by gravity flow, the suction end of the intake pipe shall be fitted with fish screens meeting CDFW and NOAA criteria to prevent entrainment or impingement of small fish. Any turbid water pumped from the work site itself to maintain it in a dewatered state shall be disposed of in an upland location where it will not drain directly into any stream channel.

j) Fish shall be excluded from the work area by blocking the stream channel above and below the work area with fine-meshed net or screen. Mesh shall be no greater than 1/8-inch diameter. The bottom edge of the net or screen shall be completely secured to the channel bed to prevent fish from reentering the work area. Exclusion screening shall be placed in areas of low water velocity to minimize fish impingement. Screens shall be regularly checked and cleaned of debris to permit free flow of water.

10) Where the disturbance to construct coffer dams to isolate the work site would be greater than to complete the action (for example, placement of a large wood feature using hand tools or with equipment from streambank), the action shall be carried out without dewatering and fish relocation. Furthermore, measures shall be put in place immediately downstream of the work site to capture suspended sediment. This may include installation of silt catchment fences across the stream, or placement of a filter berm of clean river gravel. Silt fences and other non-native materials will be removed from the stream following completion of the activity. Gravel berms may be left in the stream channel provided it does not impede stream flow or fish passage, and conforms to natural channel morphology without significant disturbance to natural substrate.

11) Any equipment entering the active stream (for example, in the process of installing a coffer dam) shall be preceded by an individual on foot to displace wildlife and prevent them from being crushed.

12) If any non-special status wildlife are encountered during the course of construction, said wildlife shall be allowed to leave the construction area unharmed, and shall be flushed, hazed, or herded in a safe direction away from the project site. “Special status wildlife” is defined as any species that meets the definition of “endangered, rare, or threatened species” in section 15380, article 20 in Title 14 of the California Code of Regulations, also known as the “CEQA Guidelines".
13) Any red tree vole nests encountered at a work site shall be flagged and avoided during construction.

14) For any work sites containing western pond turtles, salamanders, Foothill yellow-legged frogs, or tailed frogs, the Permitee shall provide to the CDFW grant manager for review and approval, a list of the exclusion measures that will be used at their work site to prevent take or injury to any individual pond turtles, salamanders, or frogs that could occur on the site. The Permitee shall ensure that the approved exclusion measures are in place prior to construction. Any turtles or frogs found within the exclusion zone shall be moved to a safe location upstream or downstream of the work site, prior to construction.


16) The Permitee shall have dependable radio or phone communication on-site to be able to report any accidents or fire that might occur.

17) Temporary fill shall be removed in its entirety prior to close of work-window.

**B. Specific Measures for Endangered, Rare, or Threatened Species That Could Occur at Specific Work Sites**

1) **Rare Plants**

   In order to avoid impacts to rare plants the following mitigation measures will be implemented:

   a) CDFW or another qualified biological consultant shall survey all work sites for rare plants prior to any ground disturbing activities. Rare plant surveys will be conducted following the “Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities” (CDFW, 2009). These guidelines are available in Appendix C or on the web at: [https://www.wildlife.ca.gov/Conservation/Plants](https://www.wildlife.ca.gov/Conservation/Plants).

   b) If any special status plant species are identified at a work site, CDFW shall require one or more of the following protective measures to be implemented before work can proceed:

      i. Fencing to prevent accidental disturbance of rare plants during construction,

      ii. On-site monitoring by a qualified biologist during construction to assure that rare plants are not disturbed, or
iii. Redesign of proposed work to avoid disturbance of rare plants.

c) Plant surveys will also include any host plants for butterflies identified as occurring in the area either in the CNDDB or the official species list. These host plants are as follows for each butterfly:

<table>
<thead>
<tr>
<th>Butterfly</th>
<th>Host plant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mission blue butterfly (<em>Icaricia icarioides missionensis</em>) - Endangered</td>
<td>Silver Bush Lupine (<em>Lupinus albifrons</em>)</td>
</tr>
<tr>
<td>San Bruno elfin butterfly (<em>Callophrys mossii bayensis</em>) - Endangered</td>
<td>Stonecrop (<em>Sedum spathulifolium</em>)</td>
</tr>
<tr>
<td>Callippe silverspot butterfly (<em>Speyeria callippe callippe</em>) - Endangered</td>
<td>Johnny jump up (<em>Viola pedunculata</em>)</td>
</tr>
<tr>
<td>Myrtle’s silverspot (<em>Speyeria zerene myrtleae</em>) - Endangered</td>
<td>Hookedspur violet (<em>Viola adunca</em>)</td>
</tr>
<tr>
<td>Bay checkerspot butterfly (<em>Euphydryas editha bayensis</em>) - Threatened</td>
<td>Native plantain (<em>Plantago erecta</em>)</td>
</tr>
</tbody>
</table>

i. If any host plant species are identified at a work site, CDFW shall require one or more of the following protective measures to be implemented before work can proceed:

   a. Fencing to prevent accidental disturbance of larval host plants during construction,

   b. On-site monitoring by a qualified biologist during construction to assure that larval host plants are not disturbed, and

   c. Redesign of proposed work to avoid disturbance of larval host plants.

ii. If it becomes impossible to implement the project at a work site without impacts to larval host plants, then activity at that work site shall not proceed. If it becomes impossible to implement the project at a work site without potentially significant impacts to rare plants, then activity at that work site shall be discontinued.

iii. CDFW shall ensure that the Permittee or responsible party is aware of these site-specific conditions, and shall inspect the work site before, during, and after completion of the action item.

2) Coho salmon (*O. kisutch*), Chinook salmon (*O. tshawytscha*), Steelhead-trout (*O. mykiss*), and Coastal cutthroat trout (*O. clarki clarki*)

In order to avoid any potential for negative impacts to these species, the following mitigation measures will be implemented:
a) Project work within the wetted stream shall be limited to the period between June 15 and November 1, or the first significant rainfall, or whichever comes first. This is to take advantage of low stream flows and to avoid the spawning and egg/alevin incubation period of salmon and steelhead. Actual project start and end dates, within this timeframe, are at the discretion of CDFW. Whenever possible, the work period at individual sites shall be further limited to entirely avoid periods when salmonids are present (for example, in a seasonal creek, work will be confined to the period when the stream is dry).

b) Suitable trees removed for access shall be used for habitat enhancement in stream, pond or alcove, or left within the riparian zone so as to provide a source for future recruitment of wood into the stream, reduce surface erosion, contribute to amounts of organic debris in the soil, encourage fungi, provide immediate cover for small terrestrial species and to speed recovery of native vegetation.

c) Prior to dewatering a construction site, fish and amphibian species shall be captured and relocated by CDFW personnel (or designated agents). The following measures shall be taken to minimize harm and mortality to listed salmonids resulting from fish relocation and dewatering activities:

i. Fish relocation and dewatering activities shall only occur between June 15 and November 1 of each year.

ii. Fish relocation shall be performed by a qualified fisheries biologist, with all necessary State and Federal permits. Captured fish shall be moved to the nearest appropriate site outside of the work area. A record shall be maintained of all fish rescued and moved. The record shall include the date of capture and relocation, the method of capture, the location of the relocation site in relation to the project site, and the number and species of fish captured and relocated. The record shall be provided to CDFW within two weeks of the completion of the work season or project, whichever comes first.

iii. Electrofishing shall be conducted by properly trained personnel following NOAA Guidelines for Electrofishing Waters Containing Salmonids Listed under the Endangered Species Act, June 2000.

iv. Prior to capturing fish, the most appropriate release location(s) shall be determined. The following shall be determined:

a. Temperature: Water temperature shall be similar as the capture location.

b. Habitat: There shall be ample habitat for the captured fish.
c. Exclusions from work site: There shall be a low likelihood for the fish to reenter the work site or become impinged on exclusion net or screen.

v. The most efficient method for capturing fish shall be determined by the biologist. Complex stream habitat generally requires the use of electrofishing equipment, whereas in outlet pools, fish may be concentrated by pumping-down the pool and then seining or dipnetting fish.

vi. Handling of salmonids shall be minimized. However, when handling is necessary, always wet hands or nets prior to touching fish.

vii. Temporarily hold fish in cool, shaded, aerated water in a container with a lid. Provide aeration with a battery-powered external bubbler. Protect fish from jostling and noise and do not remove fish from this container until time of release.

viii. Air and water temperatures shall be measured periodically. A thermometer shall be placed in holding containers and, if necessary, periodically conduct partial water changes to maintain a stable water temperature. If water temperature reaches or exceeds 18 °C, fish shall be released and rescue operations ceased.

ix. Overcrowding in containers shall be avoided by having at least two containers and segregating young-of-year (YOY) fish from larger age-classes to avoid predation. Larger amphibians, such as Pacific giant salamanders, shall be placed in the container with larger fish. If fish are abundant, the capturing of fish and amphibians shall cease periodically and shall be released at the predetermined locations.

x. Species and year-class of fish shall be visually estimated at time of release. The number of fish captured shall be counted and recorded. Anesthetization or measuring fish shall be avoided.

xi. If feasible, initial fish relocation efforts shall be performed several days prior to the start of construction. This provides the fisheries biologist an opportunity to return to the work area and perform additional electrofishing passes immediately prior to construction. In many instances, additional fish will be captured that eluded the previous day’s efforts.

xii. If mortality during relocation exceeds three percent, capturing efforts shall be stopped and the appropriate agencies shall be contacted immediately.

xiii. In regions of California with high summer temperatures, relocation activities shall be performed in the morning when the temperatures are cooler.
xiv. CDFW shall minimize the amount of wetted stream channel that is dewatered at each individual project site to the fullest extent possible.

xv. Additional measures to minimize injury and mortality of salmonids during fish relocation and dewatering activities shall be implemented as described in Part IX, pages 52 and 53 of the California Salmonid Stream Habitat Restoration Manual.

d) If these mitigation measures cannot be implemented, or the project actions proposed at a specific work site cannot be modified to prevent or avoid potential impacts to anadromous salmonids or their habitat, then activity at that work site shall be discontinued.

3) **Foothill yellow-legged frog (R. boylii)**

During its CESA candidacy period the potential for impacts to Foothill yellow-legged frogs (FYLF) will be mitigated by complying with all of the terms and conditions set forth in this section. In order to avoid any potential for negative impacts to FYLF, the following mitigation measures will be implemented:

a) Prior to start of work, all permits necessary to survey, handle, and relocate FYLFs shall be obtained. All best management practices, special conditions, mitigation and avoidance measures of any take permit obtained shall be complied with.

b) **Conduct Pre-Project Breeding Surveys.**

i. If breeding habitat (rocks in shallow slow-moving streams) is present in or adjacent to the work area, a qualified biologist (see e below)) shall conduct visual encounter surveys for FYLF breeding patches every 10 days between April 15 and June 1 any year implementation work may be conducted. Pre-project breeding survey notes and observations shall be provided to CDFW no later than June 10 of each year they are conducted. If egg masses, larvae, or other signs of breeding are observed within 300 feet, as feasible, upstream and/or downstream of the project limits, CDFW recommends Permittee consult with CDFW and obtain an Incidental Take Permit (ITP) or Memorandum of Understanding (MOU) if take of FYLF may occur during project activities.

ii. Within 3-5 days prior to entering or working at the Project Site, a qualified biologist shall examine the project site to determine the presence/absence of standing or flowing water, and the presence and/or the potential for presence of FYLF adults, juveniles, tadpoles or egg masses within the project area and 300 feet upstream and downstream. Prior to commencing work, Permittee shall provide to CDFW for review preconstruction survey notes and observations.
a. If FYLF are observed during pre-construction surveys, Permittee shall:
   i. Consult CDFW immediately and provide a description of observations, including a count of individuals and their life stages, location of observations, conditions at the site, and other aquatic species observed; and
   ii. Either propose site-specific mitigation measures that will be utilized to avoid take, or obtain an ITP or MOU if take of FYLF cannot be avoided. Instream work shall not commence until CDFW has provided approval of the proposed avoidance measures or an ITP or MOU has been issued.

b. If no FYLFs are found during the pre-construction surveys and no surface water is present in the project area, work may commence without further surveys.

c) Conduct Construction Monitoring for FYLFs.
   i. If FYLF are observed during construction, the Permittee shall:
      a. Consult with CDFW immediately and provide a description of observations, including a count of individuals and their life stages, location of observations, conditions at the site, and other aquatic species observed; and
      b. Develop site-specific mitigation measures to avoid or minimize take and to avoid or minimize disturbance to FYLF habitat. Work shall not commence until CDFW has provided written approval of the proposed mitigation measures or an ITP or MOU has been issued.

d) The approved qualified biologist will dispatch and remove from the project area, any individuals of exotic species, such as bullfrogs (*Lithobates catesbeianus*), centrarchid fishes, and non-native crayfish to the maximum extent possible. The biologist will have the responsibility to ensure that their activities are in compliance with the Fish and Game Code.

e) Qualified Biologist. A qualified biologist is an individual who is experienced in construction level biological monitoring, knowledgeable in the biology, natural history, habits and behaviors of the FYLF, and who is able to recognize all age classes of FYLF relative to other amphibians in the project area. A qualified biologist shall have academic and/or professional experience in biological sciences or resource management activities. At least 15 days prior to commencement of Project-related surveys for FYLFs, Permittee shall provide to CDFW for review and approval the names and qualifications of individuals requesting qualified biologist status.

f) Decontamination. The Permittee is responsible for ensuring all project personnel adhere to the latest version of the Northern Region California Department of Fish and Wildlife Aquatic Invasive Species Decontamination
Protocol for all field gear and equipment that will be in contact with water or FYLFs. Heavy equipment and other motorized or mechanized equipment that comes in contact with water should generally follow watercraft decontamination protocols found in the AIS Decontamination Protocol.

The biologist(s) shall ensure that their activities do not transmit diseases. To ensure that diseases are not conveyed between work sites by the approved biologist, the fieldwork code of practice developed by the Declining Amphibian Populations Task Force (http://www.fws.gov/ventura/docs/species/protocols/DAFTA.pdf) shall be followed at all times.

g) If these mitigation measures cannot be implemented or the project activities proposed at a specific work site cannot be modified to prevent or avoid potential impacts to FYLF or its habitat, then project activity at that work site shall be discontinued.

5) **Northern spotted owl (S. occidentalis caurina)**

   To avoid potential impacts Northern spotted owl or their habitat, the following mitigation measures will be implemented:

   a) Work with heavy equipment at any site within 0.25 miles of suitable habitat for the northern spotted owl shall not occur from November 1 to July 9 for projects in areas under the jurisdiction of the Arcata USFWS Office.

   b) The work window at individual work sites may be advanced prior to July 9, if protocol surveys determine that suitable habitat is unoccupied.

   c) If these mitigation measures cannot be implemented or the project actions proposed at a specific work site cannot be modified to prevent or avoid potential impacts to northern spotted owls or their habitat, then activity at that work site shall be discontinued and CDFW must reinitiate consultation with USFWS.

   d) For projects contained within streams and watersheds included in a USFWS Habitat Conservation Plan the mitigation measures contained within those Habitat Conservation Plans shall be followed.

6) **Willow flycatcher (E. traillii)**

   To avoid potential impacts to Willow flycatcher or its habitat, the following mitigation measures will be implemented:

   a) Heavy equipment work shall not begin within 0.25 miles of any site with known or potential habitat for the willow flycatcher until after August 31.
b) Harvest of willow branches at any site with potential habitat for the willow flycatcher will not occur between May 1 and August 31.

c) The work window at individual work sites may be modified, if protocol surveys determine that nesting birds do not occur within 0.25 miles of the site during the breeding season.

d) No more than 1/3 of any willow plant shall be harvested annually. Care shall be taken during harvest not to trample or over harvest the willow sources.

e) CDFW shall ensure that the Permitee or responsible party is aware of this site specific condition, and will inspect the work site before, during, and after completion of the action item.

f) If for some reason these mitigation measures cannot be implemented or the project actions proposed at a specific work site cannot be modified to prevent or avoid potential impacts to willow flycatcher or their habitat, then activity at that work site will be discontinued.

C. Riparian and Re-vegetation

1) Planting of seedlings shall begin after December 1, or when sufficient rainfall has occurred to ensure the best chance of survival of the seedlings, but in no case after April 1.

2) Any disturbed banks shall be fully restored upon completion of construction. Revegetation shall be done using native species. Planting techniques can include seed casting, hydroseeding, or live planting methods using the techniques in Part XI of the California Salmonid Stream Habitat Restoration Manual.

3) Disturbed and compacted areas shall be re-vegetated with native plant species. The species shall be comprised of a diverse community structure that mimics the native riparian corridor. Planting ratio shall be 2:1 (two plants to every one removed).

4) Unless otherwise specified, the standard for success is 80 percent survival of plantings or 80 percent ground cover for broadcast planting of seed after a period of 3 years.

5) To ensure that the spread or introduction of invasive exotic plants shall be avoided to the maximum extent possible, equipment shall be cleaned of all dirt, mud, and plant material prior to entering a work site. When possible, invasive exotic plants at the work site shall be removed. Areas disturbed by project activities will be restored and planted with native plants.
6) Mulching and seeding shall be done on all exposed soil which may deliver sediment to a stream. Soils exposed by project operations shall be mulched to prevent sediment runoff and transport. Mulches shall be applied so that not less than 90% of the disturbed areas are covered. All mulches, except hydro-mulch, shall be applied in a layer not less than two (2) inches deep. Where feasible, all mulches shall be kneaded or tracked-in with track marks parallel to the contour, and tackified as necessary to prevent excessive movement. All exposed soils and fills, including the downstream face of the road prism adjacent to the outlet of culverts, shall be reseeded with a mix of native grasses common to the area, free from seeds of noxious or invasive weed species, and applied at a rate which will ensure establishment.

7) If erosion control mats are used in re-vegetation, they shall be made of material that decomposes. Erosion control mats made of nylon plastic, or other non-decomposing material shall not be used.

8) CDFW shall retain as many trees and brush as feasible, emphasizing shade producing and bank stabilizing trees and brush to minimize impacts to the riparian corridor.

9) If riparian vegetation is to be removed with chainsaws, the Permitee shall use saws that operate with vegetable-based bar oil when possible.

10) Disturbed and decompacted areas shall be re-vegetated with native species specific to the project location that comprise a diverse community of woody and herbaceous species.

D. CULTURAL RESOURCES

Ground-disturbance will be required to implement the project at certain locations that, despite efforts to identify cultural resources, have the potential to affect these resources. The procedure for a programmatic evaluation of archeological resources is provided in Appendix E. Potential for inadvertent impacts will be avoided through implementation of the following mitigation measures:

1) CDFW shall contract with an archaeologist(s) or other historic preservation professional that meets The Secretary of the Interior’s Professional Qualifications Standards (36 CFR Part 61, and 48 FR 44716) to complete cultural resource surveys at any sites with the potential to be impacted prior to any ground disturbing activities. This work may be augmented with the aid of a Native American cultural resources specialist that is culturally affiliated with the project area. Cultural and paleontological resource surveys shall be conducted using standard protocols to meet CEQA Guideline requirements. Paleontological survey protocols are listed in Appendix D.
2) If cultural and/or paleontological resource sites are identified at a project location, CDFW will require one or more of the following protective measures to be implemented before work can proceed: a) fencing to prevent accidental disturbance of cultural resources during construction, b) on-site monitoring by cultural and/or paleontological resource professionals during construction to assure that cultural resources are not disturbed, c) redesign of proposed work to avoid disturbance of cultural resources.

3) CDFW shall report any previously unknown historic, archeological, and paleontological remains discovered at a project location to the USACE as required in the RGP.

4) CDFW shall ensure that the Permitee or responsible party is aware of these site-specific conditions, and shall inspect the work site before, during, and after completion of the action item.

5) Inadvertent Discovery of Cultural Resources - If cultural resources, such as lithic debitage, ground stone, historic debris, building foundations, or bone, are discovered during ground-disturbance activities, work shall be stopped within 20 meters (66 feet) of the discovery, per the requirements of CEQA (January 1999 Revised Guidelines, Title 14 CCR 15064.5 (f)). Work near the archaeological finds shall not resume until an archaeologist that meets the Secretary of the Interior’s Standards and Guidelines suited to the discovery, has evaluated the materials and offered recommendations for further action. Cultural materials not associated with human interments shall be documented and curated in place.

6) Inadvertent Discovery of Human Remains - If human remains are discovered during project construction, work shall stop at the discovery location, within 20 meters (66 feet), and any nearby area reasonably suspected to overlie adjacent to human remains (Public Resources Code, Section 7050.5). The county coroner shall be contacted to determine if the cause of death must be investigated. If the coroner determines that the remains are of Native American origin, it is necessary to comply with state laws relating to the disposition of Native American burials, which fall within the jurisdiction of the Native American heritage Commission (NAHC) (Public Resources Code, Section 5097). The coroner will contact the NAHC. The descendants or most likely descendants of the deceased will be contacted, and work shall not resume until they have made a recommendation to the landowner or the person responsible for the excavation work for means of treatment and disposition, with appropriate dignity, of the human remains and any associated grave goods, as provided in Public Resources Code, Section 5097.98.

7) Procedures for treatment of an inadvertent discovery of human remains:
   a) Immediately following discovery of known or potential human remains all
ground-disturbing activities at the point of discovery shall be halted.

b) No material remains shall be removed from the discovery site, a reasonable exclusion zone shall be cordoned off.

c) The CDFW Grant Manager and property owner shall be notified and the CDFW Grant Manager shall contact the county coroner.

d) CDFW shall retain the services of a professional archaeologist to immediately examine the find and assist the process.

e) All ground-disturbing construction activities in the discovery site exclusion area shall be suspended.

f) The discovery site shall be secured to protect the remains from desecration or disturbance, with 24-hour surveillance, if prudent.

g) Discovery of Native American remains is a very sensitive issue, and all project personnel shall hold any information about such a discovery in confidence and divulge it only on a need-to-know basis, as determined by the CDFW.

h) The coroner has two working days to examine the remains after being notified. If the remains are Native American, the coroner has 24 hours to notify the NAHC in Sacramento (telephone 916/653-4082).

i) The NAHC is responsible for identifying and immediately notifying the Most Likely Descendant (MLD) of the deceased Native American.

j) The MLD may, with the permission of the landowner, or their representative, inspect the site of the discovered Native American remains and may recommend to the landowner and CDFW Grant Manager means for treating or disposing, with appropriate dignity, the human remains and any associated grave goods. The descendants shall complete their inspection and make recommendations or preferences for treatment with 48 hours of being granted access to the site (Public Resource Code, Section 5097.98(a)). The recommendation may include the scientific removal and non-destructive or destructive analysis of human remains and items associated with Native American burials.

k) Whenever the NAHC is unable to identify a MLD, or the MLD identified fails to make a recommendation, or the landowner or his/her authorized representative rejects the recommendation of the MLD and mediation between the parties by the NAHC fails to provide measures acceptable to the landowner, the landowner or his/her authorized representatives shall re-inter the human remains and associated grave offerings with appropriate dignity on the property in a location not subject to further subsurface disturbance in accordance with Public Resource Code, Section 5097.98(e).

l) Following final treatment measures, the CDFW shall ensure that a report is prepared that describes the circumstances, nature and location of the discovery, its treatment, including results of analysis (if permitted), and final
disposition, including a confidential map showing the reburial location. Appended to the report shall be a formal record about the discovery site prepared to current California standards on DPR 523 form(s). CDFW shall ensure that report copies are distributed to the appropriate California Historic Information Center, NAHC, and MLD.

8) Pursuant to RGP78 and in accordance to 36 C.F.R. Section 800.13, in the event of any discovery during construction of human remains, archeological deposits, or any other type of historic property, the CDFW shall notify the USACE archeological staff (Steve Dibble at 213-452-3849 or John Killeen at 213-452-3861) within 24 hours. Construction work shall be suspended immediately and shall not resume until USACE re-authorizes project construction.

9) If it becomes impossible to implement the project at a work site without disturbing cultural or paleontological resources, then activity at that work site shall be discontinued.

E. GEOLOGY AND SOILS

In order to avoid temporary increases in surface erosion, the following mitigation measures will be implemented:

1) Existing roads will be used to access work sites. Ground disturbance at most work sites will be minimal.

2) For projects located within the USACE San Francisco District, an annual limit on the number of sediment-producing projects per HUC 10 watershed shall be implemented to ensure that potential sediment impacts will remain spatially isolated, thus minimizing cumulative turbidity effects. Sediment producing projects include instream habitat improvement, instream barrier removal, stream bank stabilization, fish passage improvement, upslope road work, and fish screen construction (unless the screen is located in a diversion ditch and is disconnected from the waterway). The limit of projects shall be as follows:

<table>
<thead>
<tr>
<th>Square Mile of HUC 10 Watershed</th>
<th>Maximum Number of Instream and Upslope Projects Per Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;50</td>
<td>2</td>
</tr>
<tr>
<td>51-100</td>
<td>3</td>
</tr>
<tr>
<td>101-150</td>
<td>4</td>
</tr>
<tr>
<td>151-250</td>
<td>5</td>
</tr>
<tr>
<td>251-350</td>
<td>6</td>
</tr>
<tr>
<td>351-500</td>
<td>9</td>
</tr>
<tr>
<td>&gt;500</td>
<td>12</td>
</tr>
</tbody>
</table>

3) Each year, all instream projects shall be separated both upstream and downstream from other proposed instream projects by at least 1500 linear feet
in fish bearing stream reaches. In non-fish bearing reaches, the distance separating sediment-producing projects will be 500 feet.

4) CDFW will implement the following measures to minimize harm to listed salmonids resulting from culvert replacement activities and other instream construction work:
   a) All stream crossing replacement or modification designs, involving fish passage, shall be reviewed and approved by NOAA (or CDFW) engineers prior to onset of work.
   b) If the stream in the project location was not passable to, or was not utilized by, all life stages of all covered salmonids prior to the existence of the road crossing, the project shall pass the life stages and covered salmonid species that historically did pass there. Retrofit culverts shall meet the fish passage criteria for the passage needs of the listed species and life stages historically passing through the site prior to the existence of the road crossing.

5) Effective erosion control measures shall be in-place at all times during construction. Construction within the 5-year flood plain shall not begin until all temporary erosion controls (i.e., straw bales or silt fences that are effectively keyed-in) are in place down slope or down stream of project activities within the riparian area. Erosion control measures shall be maintained throughout the construction period. If continued erosion is likely to occur after construction is completed, then appropriate erosion prevention measures shall be implemented and maintained until erosion has subsided.

6) An adequate supply of erosion control materials (gravel, straw bales, shovels, etc.) shall be maintained onsite to facilitate a quick response to unanticipated storm events or emergencies.

7) Use erosion controls that protect and stabilize stockpiles and exposed soils to prevent movement of materials. Use devices such as plastic sheeting held down with rocks or sandbags over stockpiles, silt fences, or berms of hay bales, to minimize movement of exposed or stockpiled soils.

8) When needed, instream grade control structures shall be utilized to control channel scour, sediment routing, and headwall cutting.

9) Temporary stockpiling of excavated material shall be minimized. However, excavated material shall be stockpiled in areas where it cannot enter the stream channel. Available sites at or near the project location shall be determined prior to the start of construction. If feasible, topsoil shall be conserved for reuse at project location or use in other areas.
10) Upon project completion, all exposed soil present in and around the project site shall be stabilized within 7 days. Soils exposed by project operations shall be mulched to prevent sediment runoff and transport. Mulches shall be applied so that not less than 90% of the disturbed areas are covered. All mulches, except hydro-mulch, shall be applied in a layer not less than two (2) inches deep.

11) Soil compaction shall be minimized by using equipment with a greater reach or that exerts less pressure per square inch on the ground, resulting in less overall area disturbed and less compaction of disturbed areas.

12) Disturbed soils shall be decompacted at project completion as heavy equipment exits the construction area.

13) At the completion of the project, soil compaction that is not an integral element of the design of a crossing should be de-compacted.

F. GREENHOUSE GAS EMISSIONS

No specific mitigation measures are required. Re-vegetation practices will help offset the short term, less than significant, greenhouse gas emissions.

G. HAZARDS AND HAZARDOUS MATERIALS

The project will not create a significant hazard to the public or the environment. At work sites requiring the use of heavy equipment, there is a small risk of an accident upsetting the machine and releasing fuel, oil, and coolant, or of an accidental spark from equipment igniting a fire. The potential for these impacts will be reduced to a less than significant level through implementation of the following mitigation measures:

1) Heavy equipment that will be used in these activities will be in good condition and will be inspected for leakage of coolant and petroleum products and repaired, if necessary, before work is started.

2) When operating vehicles in wetted portions of the stream channel, or where wetland vegetation, riparian vegetation, or aquatic organisms may be destroyed, the responsible party shall, at a minimum, do the following:
   a) Check and maintain on a daily basis any vehicles to prevent leaks of materials that, if introduced to water, could be deleterious to aquatic life, wildlife, or riparian habitat;
   b) Take precautions to minimize the number of passes through the stream and to avoid increasing the turbidity of the water to a level that is deleterious to aquatic life; and
c) Allow the work area to “rest” to allow the water to clear after each individual pass of the vehicle that causes a plume of turbidity above background levels, resuming work only after the stream has reached the original background turbidity levels.

3) All equipment operators shall be trained in the procedures to be taken should an accident occur. Prior to the onset of work, CDFW shall ensure that the Permitee has prepared a Spill Prevention/Response plan to help avoid spills and allow a prompt and effective response should an accidental spill occur. All workers shall be informed of the importance of preventing spills. Operators shall have spill clean-up supplies on site and be knowledgeable in their proper deployment.

4) All activities performed in or near a stream will have absorbent materials designed for spill containment and cleanup at the activity site for use in case of an accidental spill. In an event of a spill, work shall cease immediately. Clean-up of all spills shall begin immediately. The responsible party shall notify the State Office of Emergency Services at 1-800-852-7550 and the CDFW immediately after any spill occurs, and shall consult with the CDFW regarding clean-up procedures.

5) All fueling and maintenance of vehicles and other equipment and staging areas shall occur at least 65 feet from any riparian habitat or water body and place fuel absorbent mats under pump while fueling. The USACE and the CDFW will ensure contamination of habitat does not occur during such operations. Prior to the onset of work, the CDFW will ensure that the Permitee has prepared a plan to allow a prompt and effective response to any accidental spills. All workers will be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur.

6) Location of staging/storage areas for equipment, materials, fuels, lubricants, and solvents, will be located outside of the stream’s high water channel and associated riparian area. The number of access routes, number and size of staging areas, and the total area of the work site activity shall be limited to the minimum necessary to complete the restoration action. To avoid contamination of habitat during restoration activities, trash will be contained, removed, and disposed of throughout the project.

7) Petroleum products, fresh cement, and other deleterious materials shall not enter the stream channel.

8) Stationary equipment such as motors, pumps, generators, compressors, and welders, located within the dry portion of the stream channel or adjacent to the stream, will be positioned over drip- pans.
9) No debris, soil, silt, sand, bark, slash, spoils, sawdust, rubbish, cement, concrete or washings thereof, asphalt, paint, or other coating material; oil or petroleum products; or other organic or earthen material from any construction or associated activity of whatever nature shall be allowed to enter into, or placed where it may be washed by rainfall or runoff into, waters of the state. When operations are completed, any excess materials or debris shall be removed from the work area and disposed of in a lawful manner.

10) All internal combustion engines shall be fitted with spark arrestors.

11) The Permitee shall have an appropriate fire extinguisher(s) and firefighting tools (shovel and axe at a minimum) present at all times when there is a risk of fire.

12) Vehicles shall not be parked in tall grass or any other location where heat from the exhaust system could ignite a fire.

13) The Permitee shall follow any additional rules the landowner has for fire prevention.

14) The potential for mercury contamination is largely predicted by the presence of historic hydraulic gold mines and mercury (cinnabar) mines (California's Abandoned Mines: A Report on the Magnitude and Scope of the Issue in the State, DOC 2000). Therefore, only a few limited areas within the geographic scope of this grant program have any potential for gravels contaminated with elemental mercury, they are: Middle Klamath River, Salmon River, Scott River, and the Lower Middle and Upper Trinity River. (Though studies by the USGS failed to find significant levels of methyl mercury near these mines.)

Given the limited geographical potential for encountering mercury contamination (from historic mining) within the geographic scope, and the limited number of projects within these areas that will either disturb the channel bottom or import gravels for instream restoration; the following avoidance and mitigation measure will be adhered to: any gravel imported from offsite shall be from a source known to not contain historic hydraulic gold mine tailings, dredger tailings, or mercury mine waste or tailings.

**H. HYDROLOGY AND WATER QUALITY**

1) Instream work shall be conducted during the period of lowest flow.

2) Before work is allowed to proceed at a site, CDFW shall inspect the site to assure that turbidity control measures are in place.

3) The waste water from construction area shall be discharged to an upland location where it will not drain sediment-laden water back to stream channel.
4) For projects within the USACE San Francisco District, if instream work liberates a sediment wedge, 80% of the wedge shall be removed before the sediment is liberated. The required amount can be modified if NOAA or CDFW hydrologists or hydraulic engineers agree that removing a smaller amount will better protect and enhance fish habitat in the area of the project (e.g., leaving some sediment to replenish areas downstream that lack suitable substrate volume or quality).

5) To control erosion during and after project implementation, CDFW shall implement best management practices, as identified by the appropriate Regional Water Quality Control Board.

6) Sediment-laden water caused by construction activity shall be filtered before it leaves the right-of-way or enters the stream network or an aquatic resource area. Silt fences or other detention methods shall be installed as close as possible to culvert outlets to reduce the amount of sediment entering aquatic systems.

7) If CDFW determines that turbidity/siltation levels resulting from an activity or activities constitute a threat to aquatic life, all activities associated with the turbidity/siltation shall cease until effective CDFW approved sediment control devices are installed and/or abatement procedures are implemented.

8) Prior to use, all equipment shall be cleaned to remove external oil, grease, dirt, or mud. Wash sites shall be located in upland locations so that dirty wash water does not flow into the stream channel or adjacent wetlands.

CONTACT INFORMATION

Any communication that Permittee or CDFW submits to the other shall be in writing and any communication or documentation shall be delivered to the address below by U.S. mail, fax, or email, or to such other address as Permittee or CDFW specifies by written notice to the other.

To Permittee:

Susannah Manning
904 G Street,
Eureka, CA 95540
Phone: (707) 269-2058
Email: susannah@nrsrcaa.org

To CDFW:

Department of Fish and Wildlife - Region 1
LIABILITY

Permittee shall be solely liable for any violations of the Agreement, whether committed by Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents or contractors and subcontractors, to complete the project or any activity related to it that the Agreement authorizes.

This Agreement does not constitute CDFW’s endorsement of, or require Permittee to proceed with the project. The decision to proceed with the project is Permittee’s alone.

SUSPENSION AND REVOCATION

CDFW may suspend or revoke in its entirety the Agreement if it determines that Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, is not in compliance with the Agreement.

Before CDFW suspends or revokes the Agreement, it shall provide Permittee written notice by certified or registered mail that it intends to suspend or revoke. The notice shall state the reason(s) for the proposed suspension or revocation, provide Permittee an opportunity to correct any deficiency before CDFW suspends or revokes the Agreement, and include instructions to Permittee, if necessary, including but not limited to a directive to immediately cease the specific activity or activities that caused CDFW to issue the notice.

ENFORCEMENT

Nothing in the Agreement precludes CDFW from pursuing an enforcement action against Permittee instead of, or in addition to, suspending or revoking the Agreement.

Nothing in the Agreement limits or otherwise affects CDFW's enforcement authority or that of its enforcement personnel.

OTHER LEGAL OBLIGATIONS

This Agreement does not relieve Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, from obtaining any other permits or authorizations that might be
required under other federal, state, or local laws or regulations before beginning the project or an activity related to it.

This Agreement does not relieve Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, from complying with other applicable statutes in the FGC including, but not limited to, FGC sections 2050 et seq. (threatened and endangered species), 3503 (bird nests and eggs), 3503.5 (birds of prey), 5650 (water pollution), 5652 (refuse disposal into water), 5901 (fish passage), 5937 (sufficient water for fish), and 5948 (obstruction of stream).

Nothing in the Agreement authorizes Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, to trespass.

**AMENDMENT**

CDFW may amend the Agreement at any time during its term if CDFW determines the amendment is necessary to protect an existing fish or wildlife resource.

Permittee may amend the Agreement at any time during its term, provided the amendment is mutually agreed to in writing by CDFW and Permittee. To request an amendment, Permittee shall submit to CDFW a completed CDFW “Request to Amend Lake or Streambed Alteration” form and include with the completed form payment of the corresponding amendment fee identified in CDFW’s current fee schedule (see Cal. Code Regs., tit. 14, § 699.5).

**TRANSFER AND ASSIGNMENT**

This Agreement may not be transferred or assigned to another entity, and any purported transfer or assignment of the Agreement to another entity shall not be valid or effective, unless the transfer or assignment is requested by Permittee in writing, as specified below, and thereafter CDFW approves the transfer or assignment in writing.

The transfer or assignment of the Agreement to another entity shall constitute a minor amendment, and therefore to request a transfer or assignment, Permittee shall submit to CDFW a completed CDFW “Request to Amend Lake or Streambed Alteration” form and include with the completed form payment of the minor amendment fee identified in CDFW’s current fee schedule (see Cal. Code Regs., tit. 14, § 699.5).

**EXTENSIONS**

In accordance with FGC section 1605(b), Permittee may request one extension of the Agreement, provided the request is made prior to the expiration of the Agreement’s term. To request an extension, Permittee shall submit to CDFW a completed CDFW
“Request to Extend Lake or Streambed Alteration” form and include with the completed form payment of the extension fee identified in CDFW’s current fee schedule (see Cal. Code Regs., tit. 14, § 699.5). CDFW shall process the extension request in accordance with FGC 1605(b) through (e).

If Permittee fails to submit a request to extend the Agreement prior to its expiration, Permittee must submit a new notification and notification fee before beginning or continuing the project the Agreement covers (FGC section 1605(f)).

**EFFECTIVE DATE**

The Agreement becomes effective on the date of CDFW’s signature, which shall be: 1) after Permittee’s signature; 2) after CDFW complies with all applicable requirements under the California Environmental Quality Act (CEQA); and 3) after payment of the applicable FGC section 711.4 filing fee listed at [http://www.wildlife.ca.gov/habcon/ceqa/ceqa_changes.html](http://www.wildlife.ca.gov/habcon/ceqa/ceqa_changes.html).

**TERM**

This Agreement shall expire five years after the date the Agreement is fully executed, unless it is terminated or extended before then. All provisions in the Agreement shall remain in force throughout its term. Permittee shall remain responsible for implementing any provisions specified herein to protect fish and wildlife resources after the Agreement expires or is terminated, as FGC section 1605(a)(2) requires.

**EXHIBITS**

The documents listed below are included as exhibits to the Agreement and incorporated herein by reference.

A. Exhibit A Project Description

**AUTHORITY**

If the person signing the Agreement (signatory) is doing so as a representative of Permittee, the signatory hereby acknowledges that he or she is doing so on Permittee’s behalf and represents and warrants that he or she has the authority to legally bind Permittee to the provisions herein.

**AUTHORIZATION**

This Agreement authorizes only the project described herein. If Permittee begins or completes a project different from the project the Agreement authorizes, Permittee may be subject to civil or criminal prosecution for failing to notify CDFW in accordance with FGC section 1602.
CONCURRENCE

The undersigned accepts and agrees to comply with all provisions contained herein.

FOR REDWOOD COMMUNITY ACTION AGENCY

[Signature]
Val Martinez
Project Manager

Date: 11/15/18

FOR DEPARTMENT OF FISH AND WILDLIFE

Trevor Tollefson
Senior Environmental Scientist (Supervisor)

Date

Prepared by:
Dan Resnik
Environmental Scientist
Exhibit A
Project Description

**Introduction:** The Redwood Community Action Agency will create high flow refugia and rearing habitat in Freshwater Creek through reconnecting and enhancing two remnant floodplain ponds to Freshwater Creek.

As development has occurred, off-channel-high-flow refugia habitat has been filled or graded to create farmland or for other development (landscaping, buildings, etc.). Areas where high-flow refugia can be re-established or created are limited. This project site provides the perfect opportunity to re-establish a connection to that habitat and to monitor it to gauge its effectiveness in meeting project objectives.

**Permit Disclosure:** The Grantee shall not proceed with on the ground implementation until all necessary permits, consultations, and/or Notice to Proceed are secured. All habitat improvement will follow techniques in the *California Salmonid Stream Habitat Restoration Manual* Parts VII, IX, XI, and XII (Flosi et al 1998 and 2002).

**Objectives:** The goal of this project is to create 0.23 acres of off-channel winter rearing habitat for juvenile salmonids. This will be accomplished through re-connecting two backwater ponds to Freshwater Creek.

**Project Description:**

**Location:** This project is located the middle reach of Freshwater Creek watershed, east of Humboldt Bay, and 4 miles east of Eureka, California. The site is located approximately 7.3 miles upstream from the confluence with Humboldt Bay, 2.2 miles upstream from Myrtle Avenue at Freshwater Corners (a.k.a. Three Corners), and 0.35 miles downstream from Howard Heights Bridge. The coordinates are 40.76607000 N and 124.07087000 W.

**Project Set Up:** Redwood Community Action Agency (RCAA) will implement the following tasks: project management, installation of woody debris structures, installation of soil lifts and brush layering (bio-engineering), revegetation, and photo and water quality monitoring. The Project Manager will oversee construction and monitoring activities, and will handle administrative duties. The Project Manager will also be conducting field work for the photo and water quality monitoring. The Office Supervisor will be assisting the Project Manager in administrative duties including, but not restricted to: invoicing, preparing subcontracts, tracking expenses and processing payments. The Project Ecologist will oversee the installation of the bio-engineered encapsulated soil lifts and lead the revegetation of the pond sites. The Project Coordinator will lead the installation of the seven woody debris structures. The Senior Field Supervisor and Natural Resources Specialists will assist in the installation of the soil lifts and brush layering, installation of the woody debris structures, and
revegetation. The Senior Field Supervisor will also operate the excavator for these project elements.

Michael Love & Associates, Inc. (MLA) will serve as the project engineers. The MLA principal engineer (Michael Love) is the responsible engineer for the project and will oversee project activities to ensure the project is built as intended, participate in project meetings, and assist with writing of the Monitoring Report. Since the 90% designs were developed, the landowner requested that the Alcove channel connection to Freshwater Creek include a culvert for pasture management. MLA will modify the 90% designs to include the culvert and will prepare 100% site plans. The MLA Project Engineer will participate in all activities of the project including construction contracting and construction oversight. The MLA project engineer and staff engineer will conduct the construction staking, grade checks and as-built and monitoring surveys. The MLA engineering geomorphologist will assist with preparation of construction documents including County floodplain review, and construction oversight.

Ross Taylor & Associates (RTA) will serve as the fish biologist for the project. RTA will conduct fish relocation prior to commencement of construction. RTA will also conduct post project biological monitoring through fish sampling in the ponds for a period of two years. All activities will be carried out by the Principal Fish Biologist and a Staff Fish Biologist.

A licensed contractor will be selected for the erosion and sediment control, water management, clearing and grubbing, removal of trees, excavation, installation of culverts, grading of the ponds and alcove, on-site spoils disposal, bank stabilization on Freshwater Creek, and placement of ballast rocks for woody debris structure. Construction for the project will be conducted using standard heavy equipment, including but not limited to excavators, loaders, bulldozers, dump trucks, and water trucks.

**Materials:** Materials necessary for this project include:

The Lower Pond will be connected to Freshwater Creek via a new 6-foot diameter corrugated metal pipe (CMP) that will be 160 feet long. The Alcove will be connected to Freshwater Creek via a new 6-foot diameter CMP that will be 50 feet in length and angled in a downstream direction to reduce sedimentation from high flows in Freshwater Creek. The culverts will be bedded on sand and backfilled with compacted aggregate. Material excavated from the culvert trenches may be used if the composition is suitable, i.e., no sharp angular rock and not too silty - sand/ gravel/ small cobble will be suitable. Where the culvert crosses the existing gravel driveway, the road will be rebuilt using aggregate base and gravel. The culvert length is the minimum required to maintain the existing road crossing and adjacent pasture at the site. Steel guides will be welded to the culvert inlet to hold wooden boards (stoplogs) to provide control of backwater elevation in the ponds.
Bank Stabilization To stabilize the reconstructed bank at the culvert outlets, vegetated riprap (joint planting of riprap using live willow stakes) will be installed at the toe of the bank. Above the vegetated riprap to the edge of the road on the steep bank will be stabilized using geogrid encapsulated soil lifts with brush layering. At the top of the bank potted trees will be planted to replace those removed as part of the project.

Construction of the Alcove will require excavation of the pond and connecting channel, culvert installation, and regrading of the bank. Erosion control fabric will be placed along the bank and planted with live stakes near the confluence with Freshwater Creek and planted to provide short-term and long-term stabilization.

Wood Structures Both sites will have multi-log large wood structures placed along the banks. They will consist of multi-log structures that incorporate brush for added complexity. The individual logs in the structures will be bolted together and anchored using ballast (2-ton) rock to resist buoyancy.

Replanting Revegetation will consist of planting 1,960 wetland plants and 380 riparian plants in the Lower Pond and Alcove areas. Other materials used in the planting include plant protection cages, mulch, fertilizer, and pin flags. Native seed and mulch will also be applied to areas made bare from construction and spoil disposal areas.

Fencing The lower pond will have 130 feet of post and rail safety fencing installed along the bank near the culvert inlet and 250 feet of temporary cattle exclusion fencing around the Lower Pond adjacent to the pasture. The Alcove will have will have 85 feet of post and rail safety fencing installed along the bank near the alcove inlet and 425 feet of cattle exclusion fencing around the alcove adjacent to the pasture.

**Tasks:**

**Task 1: Project Management** RCAA will perform all project management and contract administration functions. MLA, RTA, and the construction contractor will prepare invoices and progress reports to be submitted to RCAA during the course of the project. RCAA will prepare a final report and, if needed, annual progress reports to be submitted to CDFW.

**Task 2: Pre-construction Assistance** RCAA will coordinate with local agencies to determine what, if any, project reviews and approvals are required prior to construction. MLA will assist RCAA with local agency coordination and provide necessary documents for local agencies to review. RCAA received a planning grant through Proposition 1 for the preparation of a CEQA document and all permits, including permit fees. RCAA will select qualified contractors based upon its procurement of services policy. MLA will assist RCAA with preparing bid
documents and selection of a contractor. This task includes attending an on-site pre-bid meeting to describe the project to perspective contractors, preparation of necessary addenda, review of bids, and checking of references.

**Task 3: Construction, Oversight, and Support** RCAA will contract with a qualified contractor and coordinate construction of the project. RCAA will provide daily construction management and oversight, and resolution of contractual issues. RCAA will photodocument all aspects of the project.

Construction Support MLA will provide construction layout and staking in two phases. The first phase will be used to define and flag the project footprint in order to place limits on clearing and grubbing and water isolation measures. The second stakeout phase will include establishment of elevation control, placement of stakes to denote the location and stationing of the proposed centerline, wood structure locations and crossing location for the Pond. Once staking is complete, it will be the obligation of the contractor to maintain the stake locations and to determine locations of non-staked items.

As necessary, MLA will coordinate with RCAA via telephone and followed up with a written document regarding updates, findings, or recommendations resulting from its oversight. MLA, the project designers, will provide assistance with oversight of the project construction. MLA will perform part-time oversight during the implementation phase, including clarifying the intent of the design plans when necessary, checking grades, overseeing the channel grading and structure placement, installation of new crossing and water control devices and support with development of a final punch-list for the contractor.

MLA will attend one construction kickoff meeting and up to six (5) weekly construction progress meetings. MLA will be available to make recommendations for addressing unforeseen conditions that arise and for making field changes, if necessary.

**Task 4: Construction Sequence and Description** The selected contractor will perform maintenance of erosion and sediment control, water management and dewatering, all construction work, and will provide all material certifications. To complete the project we propose that implementation will generally follow the following sequence, subdivided into sub-tasks A-O:

A. Mobilization – Procurement and delivery of all materials and equipment to the site; finalize contracts, insurance requirements, and property access.
B. Establish staging and stockpile areas and bypass road. – Areas for equipment storage, re-fueling and equipment maintenance will be flagged and established for use by the contractor. Areas for material storage will be established and prepared with pre-construction erosion control measures. A by-pass road will be
constructed to maintain residential and emergency vehicle access to the adjacent property.

C. Installation of sediment control as needed within work area – Ground preparation for construction activities including preparation for dust control and other best management practices for protection of water quality.

D. Clearing and grubbing of work area – Contractor will prepare the work area by removing brush and trees marked for clearing to provide ingress and egress to the channel and pond areas and dewatering of ponded areas as needed.

E. Channel and pond excavation– The Lower Pond and Alcove area will be excavated to the depths and side slopes indicated in the plans. An earthen plug will remain at the confluence with Freshwater Creek to maintain separation and dewatered areas. Spoil material will be delivered and spread to the pasture soil reuse areas as shown on the plans. Material suitable for backfill at the culvert will be separated and stockpiled.

F. Construction of log structures – log structures composed of minimum 20 foot long logs and boulders for ballast will be placed and anchored according to the construction details and specifications.

G. Installation of Temporary Isolation Measures in Freshwater Creek – Water isolation measures may be necessary to contain turbid waters during removal of the earthen berm separating the alcove or the culvert from Freshwater Creek. Dikes, cofferdams or other suitable measures shall be employed.

H. Removal of fish within Isolated Work Area - Work areas in Freshwater Creek will have fish removal by a qualified biologist provided by RCAA.

I. Excavation, installation and backfill for culverts - The area required to install the 167-foot culvert and the 50-foot culvert will be cleared and grubbed. Trenching for the installation of the culvert will be completed. Sand bedding will underlay the new culverts. Installation of the culverts will occur in segments that are coupled together during assembly. Backfill and compaction will bring the ground surface to final grade.

J. Completion of culvert excavation at Freshwater creek and construction of bank stabilization measures – The bank along Freshwater Creek will be removed to allow for completion of the culvert installations. Following installation, the bank will be rebuilt and stabilized with a series of rock armoring and bioengineering methods of encapsulated soils lifts and riparian planting.

K. Completion of alcove excavation and connection with Freshwater Creek – The channel connecting the alcove to Freshwater Creek will be excavated according to specifications and the bank will be stabilized using coir matting and riparian planting.

L. Removal of Temporary Isolation Measures - When each site has been reconnected to the channel, the isolation measures will be removed, allowing free flow of creek water into the work site.

M. Stabilization of the work area – Erosion control BMPs for disturbed areas including ripping of access roads, spreading of straw or mulch, and seeding.

N. Revegetation of wetland and pasture areas following planting plan as described in final design.
O. Demobilization – Removal of equipment and all excess materials and site restoration/ erosion control. As-Built Plans and Memorandum As-built plans will be prepared after construction using red-line markups of the construction documents with any changes that occurred during construction. Elevations will be surveyed at critical locations to verify the project was built as designed. As-Built elevations will be included on the red-line markup. A brief technical memorandum will accompany the As-built plans.

Task 5: Post- Implementation Monitoring and Maintenance

Recommendations Post-implementation monitoring will be conducted in accordance with requirements presented in the 2017 FRGP Proposal Solicitation Notice (PSN) and as described in the project’s Draft Monitoring and Maintenance Plan prepared by RCAA. Post-construction monitoring requirements include physical, biological and water quality monitoring for two years after implementation.

Physical Monitoring Pre and post-implementation physical monitoring will be conducted by staff from RCAA and MLA and will include the following:

Pre-and Post-Project Photo Monitoring will be performed by RCAA. Photo monitoring will be conducted to document physical and vegetative response to the project and identify any issues of concern that may require maintenance. Photo monitoring will have two components: (1) photo-points with photos taken twice annually and (2) time-lapse photo monitoring during implementation.

Photo-points will be established as part of pre-construction activities from established locations that are benchmarked or located with GPS coordinates to ensure consistent and comparable views. Photo locations will include the mouth of the Alcove, connecting channel, log structures, the Lower Pond and Alcove, and areas that receive vegetation treatments. During the first two years after construction the photo-point monitoring will be conducted twice a year: once during focus period for fish usage (late fall through midspring) and once during the dry season.

The time-lapse monitoring will involve installing a minimum of two time-lapse “wildlife” cameras at each project site. Their fields-of-view will be established to focus on the alcove, connecting channel and pond water level. They will be set to take a photo at a regular interval (i.e. every 4 hours) during daylight hours. They will be operational from November 1 – May 31 (focus period for fish usage) of each year for the first three years following construction.

Observations based on the photo documentation will be summarized in the annual post-construction reports. Observed changes at each site will be noted in the reporting, with particular focus on:
- Functionality of culvert inlet sill,
• Functionality and stability of log structures,
• Sedimentation patterns within the culvert and channel confluences,
• Overall bank stability along the channel,
• Sedimentation within the pond and alcove,
• Overall re-vegetation plant success, and,
• Encroachment into the project area by invasive wetland vegetation.

Additionally, the time-lapse photos will be used to note the frequency and timing that the off channel areas provide suitable ingress and egress hydraulic conditions for juvenile salmonids, and if and when the alcoves become disconnected from Freshwater Creek due to low streamflows and sedimentation at the mouth.

Longitudinal Profiles and Cross Sections, and Water Depth Surveys will be conducted once per year for two years after implementation. MLA will survey, cross sections along the pond and alcove, longitudinal profiles of the connecting channel/alcove thalweg and water surface. The profiles will be presented in context with the as-built and design drawings to evaluate changes to channel and assess potential sedimentation. The survey will also be used to evaluate water depths during the time of survey to ensure passage criteria are satisfied. Conditions permitting, a flow measurement in the connecting channel may also be taken during the time of survey.

A Physical Monitoring Report will be prepared each year for the two years following construction and will be provided to CDFW by December 30th of that monitoring year. The report will be prepared jointly by RCAA and MLA and will summarize monitoring activities, findings, and recommendations.

The annual report will also identify any issues identified by the annual inspection that may warrant maintenance or other types of treatment. In the event that items of concern arise, the report will recommend actions to be initiated to further characterize its impact on project objectives and/or consultation with the appropriate resource agencies, including CDFW, to determine if a maintenance action is warranted.

Water Quality Monitoring will be conducted in the Lower Pond and Alcove once a month for 24 months by RCAA. Parameters to measured include: temperature, dissolved oxygen, pH, and conductivity. Measurements will be conducted using a handheld water quality meter. Results will be included in the annual report.

Biological Monitoring Vegetation monitoring will be conducted by RCAA will consist of photo monitoring to document the growth of re-vegetated areas over the monitoring period. Photo points will be established and monitoring will be conducted twice annually for two years. Native plants installed in the mixed riparian zone will be monitored in the Spring/Summer each year to determine
overall numeric survival and qualitative health and vigor. This will include a by-species and overall count of individual plants. The health and vigor of each plant will be visually assessed to evaluate its chance of survival and to determine the species with highest percent survival. Monitoring of the plants installed in the freshwater wetland and pasture/wet meadow areas will consist of occular determination of percent cover of the planted species. Encroachment of non-native species will be noted and recorded.

Biological (fish) monitoring will be conducted for two years by RTA and will include sampling for juvenile salmonids. Although the period when utilization by juvenile coho salmon is most anticipated runs from November through May; biological sampling will occur monthly throughout the year to best assess when fish use occurs. Minnow traps baited with frozen salmon roe will be deployed in the Lower Pond and Alcove and periodically fished throughout an 8-hour field day. Captured fish will be identified, counted, weighed, measured, and scanned for PIT tags. Scale samples will also be collected. All healthy-looking salmonids will have PIT tags implanted. Tag insertions will use surgical methods taught to other researchers by CDFW (such as Thompson et al. 2005).

RCAA, RTA, and CDFW will work collaboratively, sharing resources and information in determining fish population, use, and migration patterns of juveniles using the project site. CDFW has a PIT antenna station ~ 50 feet upstream from the proposed lower pond culvert outlet and has indicated that they wish to install PIT antennas at the culvert outlet on the Lower Pond and channel outlet at the Alcove. Data collected by RTA will be made directly available to CDFW fish biologists monitoring salmonid movements in Freshwater Creek (Seth Ricker) and pre- and post-monitoring of restoration projects in the area (Mike Wallace).

**Deliverables:**

As-Built Survey and Memo MLA will prepare As-built plans after construction using red-line markups of the construction documents with any changes that occurred during construction. Elevations will be surveyed at critical locations to verify the project was built as designed. As-Built elevations will be included on the red-line markup. A brief technical memorandum will accompany the As-built plans.

Monitoring Memoranda 17 RCAA, with assistance from MLA and RTA, will prepare two brief Memoranda after each cycle of annual monitoring. The Memoranda will present methods and a discussion of findings for the year's monitoring. The Memoranda will also include recommendations for any maintenance. It assumed that maintenance will be performed by the landowner with the necessary permits.
After the two years of post-implementation monitoring, the landowner will continue to monitor the project area. The Draft Monitoring and maintenance plan (RCAA, 2014) provides a list of items for which the landowner should inspect.

Final Report Upon completion of the project, RCAA will photograph the constructed project and develop a written final completion report for submission to CDFW. The final report will contain: 1) general grant information, 2) location of work, 3) project access, 4) participating landowners names and addresses, 5) a description and analysis of the restoration and planning techniques used, 6) a description of the results of the project, 7) dates of work and the number of person hours expended, 8) labeled before and after photos of selected restoration activities and techniques, and 9) grant dollars spent and contributed and/or in kind services used to complete the project.

**Timelines:**
Assumed Notice to Proceed: June 1, 2018
- Project Management: June 1, 2018 – March 31, 2020
- Pre-construction assistance: June 1 – July 31, 2018
- Construction – mobilization, excavation, grading, culvert installation, Freshwater Creek bank stabilization, demobilization August 1 – September 15, 2018
- Construction – Installation of log cover structure, tributary stabilization, revegetation: September 15 – October 15, 2018
- As-Built Memorandum by November 30, 2018
- Physical and Biological Monitoring: November 1, 2018 – May 30, 2020
- Physical and Biological Monitoring Reports Annually from December 31, 2018 to December 31, 2020
- Monitoring Memorandum by March 31, 2021
- Final Report by March 31, 2021

**Additional Requirements:**
The Grantee will not proceed with on the ground implementation until all necessary permits and consultations are secured and a “notice to proceed” letter has been received from the California Department of Fish and Wildlife (CDFW) Grant Manager. Work in flowing streams is restricted per the Army Corp of Engineers Regional General Permit. Actual project start and end dates, within this timeframe, are at the discretion of CDFW.

No equipment maintenance will be performed within or near the stream channel where pollutants (such as petroleum products) from the equipment may enter the channel via rainfall or runoff. Appropriate spill containment devices (e.g., oil absorbent pads, tarpaulins) will be used when refueling equipment. Any and all equipment will be removed from the streambed and flood plain areas at the end of each workday.

All equipment and gear will be brushed with a stiff brush prior to leaving each
stretch of stream to avoid the transport of aquatic invasive species (AIS). When transporting traps out of the area, each numbered trap will be bagged in its own bag to avoid cross contamination during transport in and out of the work area. All crew members will decontaminate equipment and shoes for AIS according to the standards detailed in the California Department of Fish & Wildlife Aquatic Invasive Species Decontamination Protocol.

During project activities, all trash that may attract predators will be properly contained, removed from the work site, and disposed of regularly. Following construction, all trash and construction debris will be removed from work areas.

The Grantee shall notify the CDFW Grant Manager a minimum of five working days before the project site is de-watered and the stream flow diverted. The notification will provide a reasonable time for CDFW personnel to oversee the implementation of the water diversion plan and the safe removal and relocation of salmonids and other native aquatic species from the project area. If the project requires dewatering of the site and the relocation of listed aquatic species, the Grantee will implement the following measures to minimize harm and mortality to listed species as well as other native aquatic species:

- Fish relocation and dewatering activities shall only occur between June 15 and October 31 of each year.

- The Grantee shall minimize the amount of wetted stream channel dewatered at each individual project site to the fullest extent possible as approved by the CDFW Grant Manager and pursuant to conditions in the USACE Regional General Permit, NMFS Biological Opinion, and project’s Lake and Streambed Alteration Agreement (1600 permit).

- Additional measures to minimize injury and mortality of salmonids during fish relocation and dewatering activities shall be implemented as described in Part IX, pages 52 and 53 of the California Salmonid Stream Habitat Restoration Manual.

- Only qualified fisheries biologist that are approved by USFWS and permitted by CDFW under a California Endangered Species Act (CESA) Memorandum of Understanding (MOU) shall handle and relocate CESA listed species.

- All electrofishing shall be performed by a qualified fisheries biologist under the supervision of CDFW and conducted according to the National Marine Fisheries Service, Guidelines for Electrofishing Waters Containing Salmonids Listed under the Endangered Species Act, June 2000.

- USFWS Approved fisheries biologists will provide fish relocation data via the Grantee to the CDFW Grant Manager on a form provided by CDFW.
The bridge (culvert) design and installation will meet flow carrying capacity required for a 100-year flood event as identified by specifications determined by National Oceanic and Atmospheric Administration (NOAA) Fisheries and the California Department of Fish and Wildlife (CDFW), for adult and juvenile salmonid fish passage. The project will follow the National Marine Fisheries Service (NMFS 2001) Guidelines for Salmonid Passage at Stream Crossings and criteria for fish passage as described in Volume II, Part IX, of the California Salmonid Stream Habitat Restoration Manual. The engineered plans for the bridge (culvert) installation shall be visually reviewed and authorized by NOAA Fisheries or California Department of Fish and Wildlife engineers prior to commencement of work.

All habitat improvements will follow techniques described in the California Salmonid Stream Habitat Restoration Manual, Volume I, and Volume II Part XI and Part XII. The Grantee/landowner will maintain the new crossing, inspect the crossing in a timely manner and remove debris as necessary during the storm season.

Seeding and mulching of all exposed soils shall be done for all slopes which may deliver sediment to a stream. Woody debris will be concentrated on finished slopes adjacent to stream crossings. The standard for success is 80% ground cover for broadcast planting of seed, after a period of three years. Mulching and seeding will take place as sites are completed to avoid unforeseen erosion. Planting of tree seedlings will take place after December 1 or when sufficient rainfall has occurred to insure the best chance of survival of the seedlings.

Planting of tree seedlings will take place after December 1 or when sufficient rainfall has occurred to ensure the best chance of survival of the seedlings.
ATTACHMENT 1

CONDITIONAL USE PERMIT AND SPECIAL PERMIT RECOMMENDED CONDITIONS OF APPROVAL

Approval of the Conditional Use Permit and Special Permit is conditioned upon the following terms and requirements which must be fulfilled prior to commencing development and shall remain in effect for the life of the project.

1. Development shall be conducted consistent with the approved scope of work for the Freshwater Creek Off-Channel Habitat Project. Changes to the approved design may be approved if in conformance with Section 312-11, Minor Deviations.

2. Applicant shall adhere to the Post-Implementation Monitoring and Maintenance plan as described in Appendix B for the project.

3. Submit a complete grading permit application to the Planning and Building Department, to include plot plan, grading plan, engineering and plans and copy of Stormwater Pollution Prevention Plan (SWPPP).

4. The applicant shall adhere to the recommendations of the Land Use Division of the Department of Public Work dated November 6, 2018: The County road is not constructed to allow for parking; therefore, all construction and inspection vehicles shall be provided on area outside the County right of way. No construction materials (construction trailers, storage containers, equipment, materials, etc.) or staging activities shall be allowed within County right of way. During construction, County roadway shall be periodically cleaned of mud, soil, rock, and debris and as directed by County.

Informational Notes:

1. If cultural resources are encountered during construction activities, the contractor on site shall cease all work in the immediate area and within a 50 foot buffer of the discovery location. A qualified archaeologist, as well as the appropriate Tribal Historic Preservation Officer(s), are to be contacted to evaluate the discovery and, in consultation with the applicant and lead agency, develop a treatment plan in any instance where significant impacts cannot be avoided.

The Native American Heritage Commission (NAHC) can provide information regarding the appropriate Tribal point(s) of contact for a specific area; the NAHC can be reached at 916-653-4082. Prehistoric materials may include obsidian or chert flakes, tools, locally darkened midden soils, groundstone artifacts, shellfish or faunal remains, and human burials. If human remains are found, California Health and Safety Code 7050.5 requires that the County Coroner be contacted immediately at 707-445-7242. If the Coroner determines the remains to be Native American, the NAHC will then be contacted by the Coroner to determine appropriate treatment of the remains pursuant to PRC 5097.98. Violators shall be prosecuted in accordance with PRC Section 5097.99.

The applicant is ultimately responsible for ensuring compliance with this condition.

2. This permit approval shall expire and become null and void at the expiration of one (1) year after all appeal periods have lapsed (see “Effective Date”); except where construction under a valid building permit or use in reliance on the permit has commenced prior to such
anniversary date. The period within which construction or use must be initially commenced may be extended as provided by Section 312-11.3 of the Humboldt County Code.

3. The applicant is responsible for receiving all necessary permits and/or approvals from other state and local agencies.

4. The applicant is required to pay for permit processing on a time and material basis as set forth in the schedule of fees and charges as adopted by ordinance of the Humboldt County Board of Supervisors. The Department will provide a bill to the applicant after the decision. Any and all outstanding Planning fees to cover the processing of the application to decision by the Hearing Officer shall be paid to the Humboldt County Planning Division, 3015 "H" Street, Eureka.
OWNER: Sack Gary
MAILING ADDRESS: P.O. Box 6082, Eureka, CA 95502

PROJECT LOCATION: 300 Howard Heights Rd., Freshwater, CA 95503

PROJECT DESCRIPTION: Engineered grading to enlarge existing culverts, stockpile area and grade out areas on parcel (also includes apn405-131-003) no import or export

LICENSED CONTRACTOR’S DECLARATION:
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License #: License Class: Contractor:

Contractor Signature: ________________________ Date: ________________________

OWNER-BUILDER DECLARATION:
Under Business and Professions Code Section 7031.5, any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

I hereby affirm under penalty of perjury that I am exempt from the Contractors State License Law for the following reason:

[ ] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Under Section 7044, Business and Professions Code, the Contractors State License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Under Section 7044, Business and Professions Code, the Contractors State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractors State License Law.)

[ ] I am exempt under Section: ________________________ Business and Professions Code for the reason:

Reason: ________________________

Date: ________________________ Owner or Agent signature: X ________________________

WORKERS’ COMPENSATION DECLARATION:
I hereby affirm under penalty of perjury one of the following declarations:

[ ] I have and will maintain a certificate of consent to self-insure for workers’ compensation issued by the Director of Industrial Relations, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[ ] I have and will maintain workers’ compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers’ compensation insurance carrier and policy number are:

Insurance Agent: ________________________ Expiration Date: ________________________ Policy Number: ________________________ Phone Number: ________________________

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers’ compensation laws of California and agree that if I should become subject to the workers compensation provisions of Section 3700 of the Labor Code I shall forthwith comply with those provisions.

Date: ________________________ Applicant: X ________________________

CONSTRUCTION LENDING AGENCY:
I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender’s Name: None Lender’s Address: None

Work will commence within 180 days after date of issuance of permit. Work stoppage for a period of 180 days or more requires permit renewal at one half the cost of the Building Permit Fees if requested within one year of stoppage. When we disagree on the use of alternate methods of construction, alternate materials or interpretation of the code, you may appeal. Ask for details.

By my signature below, I certify to each of the following: 1) I am the property owner or authorized to act on the property owner’s behalf; 2) I have read this document and the information I have provided is correct; 3) I agree to comply with all applicable city and county ordinances and state laws relating to building construction; and 4) I authorize representatives of the County of Humboldt to enter the above-identified property for inspection purposes.

Signature of Property Owner or Authorized Agent: X ________________________ Date: ________________________