Humboldt County Resource Conservation District
College of the Redwoods Soil Reuse at White Slough
Contract Documents

Issue for Bid
May 2020

Prepared for: Humboldt County RCD
5630 South Broadway
Eureka, California
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Humboldt County Resource Conservation District (HCRCD) invites Bids for College of the Redwoods Soil Reuse at White Slough.

The work shall include furnishing equipment and staff to excavate soils to lines and grades shown on the plans from the former stadium site at College of the Redwoods, transporting the soil to the White Slough Wetland Enhancement site, and dumping the soil for spreading by US Fish & Wildlife Service staff. The work also includes removal of stumps and debris from the soils to be excavated at the College of the Redwoods site, and hauling off site for appropriate contractor disposal. As an alternative, the contractor may chip stumps and woody debris on site and spread as mulch over the excavated areas. The contractor shall also complete haul route restoration, site stabilization, and installation of temporary and permanent erosion control measures.

The US Fish & Wildlife Service has secured required permits for the White Slough site including traffic control plans and encroachment permits for ingress and egress to the White Slough Site. The US Fish & Wildlife Service shall provide traffic control at the White Slough Site.

The Contractor is responsible for obtaining a Humboldt County encroachment permit, if required, for access from Tompkins Hill Road to the College of the Redwoods site. The contractor is also required for preparing and implementing a traffic control plan for access to and from the College of the Redwoods site.

The Contractor is also responsible for the preparation and management of an appropriate Stormwater Pollution Prevention Plan (SWPPP) for all work completed on the College of the Redwoods site.

Bid proposals for the above project must be submitted electronically on the forms contained in the Contract Documents which shall be included as attachment(s) to an email with the subject line “Bid Proposal for College of the Redwoods Soil Reuse at White Slough” to HCRCD care of GHD Inc. at michelle.davidson@ghd.com. The email shall also contain the name of the Bidder, their address, license number, and California Department of Industrial Relations (DIR) registration number. HCRCD shall provide a response email receipt from GHD Inc. to the Contractor showing the date and time the submission was received.

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

A non-mandatory pre-bid conference and site visit will be held to familiarize potential Bidders with this project and is scheduled for 10:00am, Thursday June 18th, 2020, meet at College of the Redwoods, 7531 Tompkins Hill Road, Eureka, CA 95501. Applicable COVID-19 public health Orders then in effect will be strictly enforced during the pre-bid conference and site-visit, including at a minimum the requirement that participants wear masks and follow social distance protocols.

Bids will be received electronically until 2:00 p.m. on Monday June 29, 2020 Pacific Daylight Time.
Parties interested in attending the online bid opening must submit a request via email to michelle.davidson@ghd.com with the subject line “Request for Invitation to College of the Redwoods Soil Reuse at White Slough Seal Bid Opening” by 1:00 p.m. on Monday, June 29, 2020 Pacific Daylight Time and respond to the invitation that will be sent via email from GHD Inc.

Contractors may obtain an electronic copy of the Contract Documents at no cost by emailing michelle.davidson@ghd.com and requesting the “College of the Redwoods Soil Reuse at White Slough Bid Package”. Contractors are encouraged to carefully read the “Information for Bidders” section in the Contract Documents. The Contract Documents are also available online at the Humboldt County Resource Conservation District (Contract Manager) website: http://humboldtrcd.org/ and the Humboldt Builders Exchange website: http://humbx.com/.

Questions concerning these documents must be submitted by email by Thursday, June 25, 2020 to michelle.davidson@ghd.com

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 Contract Manager to insure performance under this contract.

This is a Public Works Project funded with CA State and Federal Funds. Therefore CA State and Federal prevailing wage rates will be required on this project.

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 from the California Department of Industrial Relations’ Internet web site at http://www.dir.ca.gov/DLSR.

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 their 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(c); 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.

Contractor 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 Contract Manager’s Labor Compliance Officer.

No Contractor or Subcontractor may be listed on a bid proposal for a public works project 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 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.

This is a federally-assisted project and Davis-Bacon (DBRA) requirements will be strictly enforced. Federal Labor Standards will apply. Contractors, including all subcontractors and apprentices, must be eligible to participate.

Copies of the Davis Bacon Act Wage Decisions are available online at https://www.wdol.gov/dba.aspx

If there is a difference between the minimum wage rates predetermined by the Secretary of Labor and the general prevailing wage rates determined by the Director of the California Department of Industrial Relations for similar classifications of labor, the Contractor and subcontractors shall pay not less than the higher wage rate. The Department will not accept lower State wage rates not specifically included in the Federal minimum wage determinations. This includes “helper” (or other classifications based on hours of experience) or any other classification not appearing in the Federal wage determinations. Where Federal wage determinations do not contain the State wage rate determination otherwise available for use by the Contractor and subcontractors, the Contractor and subcontractor shall pay not
less than the Federal minimum wage rate, which most closely approximates the duties of the employees in question.

Designated soil loading and unloading sites are located on the College of the Redwoods Site and the White Slough Restoration Site and therefore all 2020 Soil Transport Services (trucking) is considered “work on the construction site”. Department of Industrial Relations Prevailing Wage Classification for Group 3 Teamster applies: https://www.dir.ca.gov/OPRL/2019-2/PWD/Determinations/Northern/NC-023-261-1.pdf

Copies of the prevailing rate applicable to this project are on file at Humboldt County Resource Conservation District office and available upon request. Employers are responsible for paying the straight time prevailing wage rate and to make training fee contributions.

The Contractor shall not provide brokered truck operator services, and bids for brokered services will be rejected as non-responsive. Use by the Contractor of Subcontractors as truck operators is subject to the Contractor’s full compliance with Labor Code 2750.3 (AB 5). Further, a Contractor using Subcontracted truck operators will remain responsible for performance of the work. Trucks may be subject to documentation requirements including but not limited to: copies of motor carrier permit, current registration, drug program enrollment, insurance, and air quality compliance.

Contractor and any subcontractors are responsible to comply with all local road and State Highway laws including but not limited to State Truck Tarping Laws and Vehicle Weight Limitations.

By: Jill Demers, Executive Director Dated: May 28, 2020
PART 1 BIDDING REQUIREMENTS
INFORMATION FOR BIDDERS

Bids will be received by the Humboldt County Resource Conservation District (HCRCD) (herein called the "Contract Manager"), electronically via email, until the time listed in the Advertisement for Bids; and then opened and read aloud via online bid opening.

Each bid must be submitted electronically on the forms contained in the Contract Documents which shall be included as attachment(s) to an email with the subject line “Bid Proposal for College of the Redwoods Soil Reuse at White Slough” to Humboldt County Resource Conservation District care of GHD Inc. at michelle.davidson@ghd.com. The email shall also contain the name of the Bidder, their address, license number, and California Department of Industrial Relations (DIR) registration number. HCRCD shall provide a response email receipt from GHD Inc. to the Contractor showing the date and time the submission was received.

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

All bids must be made on the required bid forms. 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.

A non-mandatory pre-bid conference and site visit will be held to familiarize potential Bidders with this project and is scheduled for 10:00am, Thursday June 18th, 2020, meet at College of the Redwoods, 7531 Tompkins Hill Road, Eureka, CA 95501. Applicable COVID-19 public health Orders then in effect will be strictly enforced including at a minimum the requirement that pre-bid conference and site visit participants wear masks and follow social distance protocols.

The Contract Manager 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.

Any Proposal which contains omissions, erasures, alterations, additions of any kind, 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 will be rejected as non-responsive unless the Contract Manager, in his or her sole discretion, determines that the extent of the nonconformance of the Proposal to the Advertisement for Bid requirements is immaterial.

The project is deemed “An Essential Service” under Humboldt County Public Health Officer COVID-19 Orders. Further, the project falls within the Government Facilities Sector of the Federal CISA critical infrastructures. Contractor shall be responsible for following all applicable Federal, State, and Local COVID-19 requirements in the completion of the work.

Questions regarding the contract documents shall be submitted via email by 5PM Thursday, June 25, 2020 Michelle Davidson, GHD, telephone (707) 267-2255, michelle.davidson@ghd.com
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 Contract Manager and the bidder.

Any bid protest must be in writing and received by the Contract Manager via email to michelle.davidson@ghd.com before 4:00 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 the Contract Manager via email to michelle.davidson@ghd.com before 4:00 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 Contract Manager, for ten percent of the total amount of the bid. As soon as the bid prices have been compared, the Contract Manager 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
bidders 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 **licensed in the State of California** approved by the Contract Manager and in favor of the Contract Manager, State Coastal Conservancy (SCC) and United States Fish & Wildlife Service (USFWS) 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 Contract Manager may at his option consider the bidder in default, in which case the bid bond accompanying the proposal shall become the property of the Contract Manager.

The Contract Manager, 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 Contract Manager 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 Contract Manager.

No work may be performed until the date for commencement of work stated in a Notice to Proceed.

The Contract Manager 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 Contract Manager all such information and data for this purpose as the Contract Manager may request. The Contract Manager reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Contract Manager that such bidder is properly qualified to carry out the obligations of the Agreement and to complete the work contemplated therein.

All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over the activities of the project shall apply to the contract throughout.

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 website at http://www.dir.ca.gov/DLSR. Department of Industrial Relations Prevailing Wage Classification for Group 3 Teamster applies. Copies of the prevailing rate applicable to this project are on file at Humboldt County Resource Conservation District office and available upon request.
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 all material bound herewith and all addenda that may be issued. These Contract Documents 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 Contract Manager, in writing at least six working days prior to the 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.

Bidders shall sign each addendum as proof of receipt and shall submit signed acknowledgement of addenda with their proposals. The Contract Manager will not be responsible for any other explanation or interpretations of said Documents.

The Contract Documents are assembled, arranged, and titled generally in conformance with format suggested by the Construction Specifications Institute (CSI). Minor variations to the CSI format may be used herein to suit Contract Manager requirements or to better adapt the Documents to particular types of projects.

Portions of these Contract Documents may contain standard preprint 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 Contract Manager 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 or typed, 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.

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 Contract Manager 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 Contract Manager prior to the closing time. The Bidder is responsible for verifying prior to the bid opening that such modification was received by the Contract Manager. 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 Contract Manager until the sealed bid is opened.

Each Bidder must inform themselves of the conditions relating to the execution of the work, and it is assumed that they will inspect the site, subsurface conditions, weather, variations of soil moisture and workability with rainfall, and make themselves thoroughly familiar with all the Contract Documents. Failure to do so will not relieve the successful Bidder of their 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 themselves and to their complete satisfaction all information concerning site and subsurface conditions, and Notice requirements.

Each Bidder shall inform themselves 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 Federal, State and Local COVID-19 public health Orders.

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.

Each bidder shall take all necessary affirmative steps to assure minority firms, women’s business enterprises, and labor surplus area firms are used when possible. If subcontractors are to be let, affirmative action steps shall include the following:

1. Placing qualified small and minority businesses and women’s business enterprises on solicitation lists;

2. Assuring that small and minority businesses and women’s business enterprises are solicited whenever there are potential sources;

3. Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses and women’s business enterprises;

4. Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses and women’s business enterprises; and

5. Using the services and assistance of the Small Business Administration, and the Minority Business Development Agency of the Department of Commerce.

This project is funded through the following sources:

1. CA State Coastal Conservancy, Habitat Conservation Fund (Prop 1E).

2. US Fish and Wildlife Service, National Coastal Wetland Conservation Grant

3. CA Natural Resources Agency, Environmental Enhancement and Mitigation Program Grant

4. CA Dept of Fish and Wildlife, Greenhouse Gas Reduction Fund

The Contractor shall comply with all requirements associated with these funding programs. Performance of Project Work is subject to applicable Federal, State, and Local COVID-19 public health Orders. Contractor and subcontractors shall perform all work consistent and in compliance with such Orders at all times.
**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:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PAGE</th>
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<tbody>
<tr>
<td>1. Bid/Bid Schedule</td>
<td>B-9/10</td>
</tr>
<tr>
<td>2. Authority to Sign Bid Proposal (if applicable)</td>
<td>(Attach to Bid Bond)</td>
</tr>
<tr>
<td>3. List of Subcontractors (Subcontractor Details)</td>
<td>B-12</td>
</tr>
<tr>
<td>4. Bid Bond</td>
<td>B-13</td>
</tr>
<tr>
<td>5. Equal Employment Opportunity Certification</td>
<td>B-115</td>
</tr>
<tr>
<td>6. Non Collusion Affidavit</td>
<td>B-16</td>
</tr>
<tr>
<td>7. Drug-Free Workplace</td>
<td>B-17</td>
</tr>
<tr>
<td>8. Power of Attorney</td>
<td>(Attach to Bid Bond)</td>
</tr>
<tr>
<td>9. Workers Compensation Certification</td>
<td>B-18</td>
</tr>
<tr>
<td>10. Anti-Lobbying Certification</td>
<td>B-19</td>
</tr>
<tr>
<td>12. Davis Bacon Prevailing Wage Determination</td>
<td>B-23</td>
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</tbody>
</table>
BID

Proposal of __________________________________________

(hereinafter called "Bidder"), organized and existing under the laws of the State of __________________________, doing business as __________________________.

To the Humboldt County Resource Conservation District a political subdivision of the State of California (hereinafter called "Contract Manager").

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

College of the Redwoods Soil Reuse at White Slough

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 their own organization, that their 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.
Humboldt County Resources Conservation District
College of the Redwoods Soil Reuse at White Slough

**PART 1 BIDDING REQUIREMENTS**

### BID SCHEDULE

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Qty</th>
<th>Unit</th>
<th>Unit Price</th>
<th>Total Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mobilization/Demobilization</td>
<td>1</td>
<td>LS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SWPPP and Erosion Control</td>
<td>1</td>
<td>LS</td>
<td></td>
<td></td>
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<tr>
<td>3</td>
<td>Excavation, Hauling, Dumping</td>
<td></td>
<td>CY</td>
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<td></td>
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<tr>
<td>4</td>
<td>Woody and Other Debris Removal and Offsite Disposal</td>
<td>1</td>
<td>LS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Final Site Cleanup, Restoration, Straw Wattles, and Hydroseeding</td>
<td>1</td>
<td>LS</td>
<td></td>
<td></td>
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<td><strong>TOTAL</strong></td>
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</table>

TOTAL BID IN WORDS: _______________________________________________________________

Award will be made to the lowest, responsive, responsible BIDDER based on the TOTAL BID.

Work may be added or deducted as a change order during the project and the bid amounts shown here shall be the agreed upon contract amount for the work. The Contractor shall be paid based on actual quantities of work performed.

It is further understood and agreed that the Contract Manager reserves the right to eliminate or reduce 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:
Humboldt County Resources Conservation District
College of the Redwoods Soil Reuse at White Slough

PART 1 BIDDING REQUIREMENTS

______________________________________  ______________________________
Signature  Title

______________________________________  ______________________________
License Number / DIR 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 any work on this project.

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 AND ADDRESS OF SUBCONTRACTOR</th>
<th>DESCRIPTION OF WORK TO BE SUBCONTRACTED</th>
<th>Subcontractor’s CALIF. LIC. NO./DIR NO.</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

If Contractor is using Subcontractors to meet Bidder’s Qualifications, provide written explanation here:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

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________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
BID BOND

KNOW BY THESE PRESENTS, that we, the undersigned,

__________________________________________________________________as Principal, and

__________________________________________________________________as Surety, are hereby

held and firmly bound unto Humboldt County Resource Conservation District as Contract Manager, 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_____________, 2020.

The Condition of the above obligation is such that whereas the Principal has submitted to Humboldt

County Resource Conservation District a certain bid, attached hereto and hereby made a part hereof to enter into a contract in writing, for the:

College of the Redwoods Soil Reuse at White Slough

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 Contract Manager 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 filing 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.
NON-COLLUSION 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.
CONTRACTOR'S CERTIFICATE REGARDING WORKER'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:
By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this State.
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).

Date: __________________________________________
ANTI-LOBBYING CERTIFICATION

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, 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 any Federal 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 Federal 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 of Lobbying Activities," in conformance with its instructions.

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 Section 1352, Title 31, U.S. Code. 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 prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such subrecipients shall certify and disclose accordingly.

Notes: Providing false information may result in criminal prosecution or administrative sanctions. The above certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.
Humboldt County Resources Conservation District
College of the Redwoods Soil Reuse at White Slough

DAVIS BACON PREVAILING WAGE DETERMINATION
"General Decision Number: CA20200004 03/13/2020

Superseded General Decision Number: CA20190004

State: California

Construction Types: Heavy (Heavy and Dredging) and Highway

Counties: Del Norte, Humboldt, Lake and Mendocino Counties in California.

DREDGING PROJECTS (does not include hopper dredge work); HEAVY CONSTRUCTION PROJECTS (does not include water well drilling); AND HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number Publication Date
0 01/03/2020
1 01/31/2020
2 03/06/2020
3 03/13/2020

* ASBE0016-005 01/01/2020

Rates Fringes

Asbestos Workers/Insulator
(Includes the application of all insulating materials, Protective Coverings, Coatings, and Finishes to all types of mechanical systems)

(1) Mendocino County........$ 54.26 23.39
(2) Del Norte, Humboldt, Lake Counties.................$ 54.26 23.39

----------------------------------------------------------------

ASBE0016-006 06/25/2018
<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
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</thead>
<tbody>
<tr>
<td>Asbestos Removal worker/hazardous material handler (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not): $30.81 22.71</td>
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<tr>
<td>MARBLE FINISHER: $35.41 16.45</td>
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<td>MARBLE MASON: $49.42 27.86</td>
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<td>BRICKLAYER: $45.92 26.70</td>
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<tr>
<td>SPECIALTY PAY:</td>
<td></td>
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<tr>
<td>(A) Underground work such as tunnel work, sewer work, manholes, catch basins, sewer pipes and telephone conduit shall be paid $1.25 per hour above the regular rate. Work in direct contact with raw sewage shall receive $1.25 per hour in addition to the above.</td>
<td></td>
</tr>
<tr>
<td>(B) Operating a saw or grinder shall receive $1.25 per hour above the regular rate.</td>
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<tr>
<td>(C) Gunite nozzle person shall receive $1.25 per hour above the regular rate.</td>
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<tr>
<td>TERRAZZO FINISHER: $37.58 17.33</td>
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<tr>
<td>TERRAZZO WORKER/SETTER: $48.53 26.84</td>
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<tr>
<td>TILE FINISHER</td>
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<tr>
<td>Del Norte &amp; Humboldt Counties: $29.94 16.38</td>
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<tr>
<td>Lake &amp; Mendocino Counties: $28.06 15.82</td>
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<tr>
<td>TILE LAYER</td>
<td></td>
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<tr>
<td>Del Norte &amp; Humboldt Counties: $49.90 19.16</td>
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</tr>
<tr>
<td>Lake &amp; Mendocino Counties: $46.77 19.08</td>
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</tbody>
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https://beta.sam.gov/wage-determination/CA20200004/3?index=wd&keywords=&is_active=true&sort=-modifiedDate&date_filter_index=0&date_range_start=2021-04-01&date_range_end=2021-05-31
Diver
   Assistant Tender, ROV
   Tender/Technician...........$ 49.75  33.40
   Diver standby..............$ 55.73  33.40
   Diver Tender...............$ 54.73  33.40
   Diver wet...................$ 99.27  33.40
   Manifold Operator (mixed
gas)........................$ 59.73  33.40
   Manifold Operator (Standby).$ 54.73  33.40

DEPTH PAY (Surface Diving):
050 to 100 ft    $2.00 per foot
101 to 150 ft    $3.00 per foot
151 to 220 ft    $4.00 per foot
221 ft.-deeper   $5.00 per foot

SATURATION DIVING:
The standby rate shall apply until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. The diver rate shall be paid for all saturation hours.

DIVING IN ENCLOSURES:
Where it is necessary for Divers to enter pipes or tunnels, or other enclosures where there is no vertical ascent, the following premium shall be paid: Distance traveled from entrance 26 feet to 300 feet: $1.00 per foot. When it is necessary for a diver to enter any pipe, tunnel or other enclosure less than 48" in height, the premium will be $1.00 per foot.

WORK IN COMBINATION OF CLASSIFICATIONS:
Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

CARP0034-003 07/01/2019

Piledriver....................$ 50.75  33.40

CARP0751-002 07/01/2019

Del Norte, Humboldt, Lake and Mendocino Counties

Carpenters
   Bridge Builder/Highway
   Carpenter....................$ 50.50  30.20
   Hardwood Floorlayer,
   Shingler, Power Saw
   Operator, Steel Scaffold &
   Steel Shoring Erector, Saw
   Filer.........................$ 43.42  30.20
   Journeyman Carpenter......$ 43.27  30.20
   Millwright....................$ 45.77  31.79
## LAKE AND MENDOCINO COUNTIES

<table>
<thead>
<tr>
<th>Electricians</th>
<th>Rates</th>
<th>Fringes</th>
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</thead>
<tbody>
<tr>
<td>Electrician</td>
<td>$51.40</td>
<td>22.83</td>
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**TUNNEL WORK:** Add $0.50 per hour.

### DEL NORTE AND HUMBOLDT COUNTIES

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<thead>
<tr>
<th>Electricians</th>
<th>Rates</th>
<th>Fringes</th>
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<tr>
<td></td>
<td>$51.40</td>
<td>22.83</td>
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</tbody>
</table>

**TUNNEL WORK:** Add $0.50 per hour.

### HUMBOLDT, LAKE AND MENDOCINO COUNTIES

#### LINE CONSTRUCTION

1. **Lineman; Cable splicer:** $58.09 19.74
2. **Equipment specialist**
   - Operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment: $46.40 18.55
3. **Groundman:** $35.47 18.17
4. **Powderman:** $51.87 18.79

**HOLIDAYS:** New Year's Day, M.L. King Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and day after Thanksgiving, Christmas Day

### ENGI0003-014 06/26/2017

""AREA 1"" WAGE RATES ARE LISTED BELOW

""AREA 2"" RECEIVES AN ADDITIONAL $2.00 PER HOUR ABOVE AREA 1 RATES.

**SEE AREA DEFINITIONS BELOW**

#### OPERATOR: Power Equipment

(AREA 1)

<table>
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#### OPERATOR: Power Equipment

(AREA 2)

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**OPERATOR:** Power Equipment

(Cranes and Attachments - AREA 1:)

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**OPERATOR:** Power Equipment

(Piledriving - AREA 1:)

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<td>30.39</td>
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<tr>
<td>5</td>
<td>$39.32</td>
<td>30.39</td>
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<tr>
<td>6</td>
<td>$37.98</td>
<td>30.39</td>
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</table>

**OPERATOR:** Power Equipment

(Steel Erection - AREA 1:)

<table>
<thead>
<tr>
<th>GROUP</th>
<th>Rate 1</th>
<th>Rate 2</th>
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<tr>
<td>1</td>
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**OPERATOR:** Power Equipment

(Tunnel and Underground Work - AREA 1:)

<table>
<thead>
<tr>
<th>SHAFTS, STOPES, RAISES</th>
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<tr>
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<tr>
<td>Group</td>
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<td>-------</td>
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<tr>
<td>1-A</td>
<td>..................................................</td>
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<tr>
<td>1</td>
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<td>4</td>
<td>..................................................</td>
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<tr>
<td>5</td>
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</tbody>
</table>

**GROUP 1-A**

- $43.24
- $30.39

**GROUP 1**

- $40.67
- $30.39

**GROUP 2**

- $39.51
- $30.39

**GROUP 3**

- $38.18
- $30.39

**GROUP 4**

- $37.04
- $30.39

**GROUP 5**

- $35.90
- $30.39

**UNDERGROUND**

- $43.14
- $30.39

- $40.67
- $30.39

- $39.14
- $30.39

- $38.08
- $30.39

- $36.94
- $30.39

- $35.80
- $30.39

**FOOTNOTE:** Work suspended by ropes or cables, or work on a Yo-Yo Cat: $.60 per hour additional.

**POWER EQUIPMENT OPERATOR CLASSIFICATIONS**

**GROUP 1:** Operator of helicopter (when used in erection work); Hydraulic excavator, 7 cu. yds. and over; Power shovels, over 7 cu. yds.

**GROUP 2:** Highline cableway; Hydraulic excavator, 3-1/2 cu. yds. up to 7 cu. yds.; Licensed construction work boat operator, on site; Power blade operator (finish); Power shovels, over 1 cu. yd. up to and including 7 cu. yds.

**GROUP 3:** Asphalt milling machine; Cable backhoe; Combination backhoe and loader over 3/4 cu. yds.; Continuous flight tie back machine assistant to engineer or mechanic; Crane mounted continuous flight tie back machine, tonnage to apply; Crane mounted drill attachment, tonnage to apply; Dozer, slope brd; Gradall; Hydraulic excavator, up to 3 1/2 cu. yds.; Loader 4 cu. yds. and over; Long reach excavator; Multiple engine scraper (when used as push pull); Power shovels, up to and including 1 cu. yd.; Pre-stress wire wrapping machine; Side boom cat, 572 or larger; Track loader 4 cu. yds. and over; Wheel excavator (up to and including 750 cu. yds. per hour)

**GROUP 4:** Asphalt plant engineer/box person; Chicago boom; Combination backhoe and loader up to and including 3/4 cu. yd.; Concrete batch plant (wet or dry); Dozer and/or push cat; Pull- type elevating loader; Gradesetter, grade checker (GPS, mechanical or otherwise); Grooving and grinding machine; Heading shield operator; Heavy-duty drilling equipment, Hughes, LDH, Watson 3000 or similar; Heavy-duty repairperson and/or welder; Lime spreader; Loader under 4 cu. yds.; Lubrication and service engineer (mobile and grease rack); Mechanical finishers or spreader machine (asphalt, Barber-Greene and similar); Miller Formless M-9000 slope paver or similar; Portable crushing and screening plants; Power blade support; Roller operator, asphalt; Rubber-tired scraper, self-loading (paddle-wheels, etc.); Rubber- tired earthmoving equipment (scrapers); Slip form paver (concrete); Small tractor with drag; Soil stabilizer (P & H or equal); Spider plow and spider puller; Tubex pile rig; Unlicensed construction work boat operator, on site; Timber skidder; Track loader up to 4 yds.; Tractor-drawn scraper; Tractor, compressor drill combination; Welder; Woods-Mixer (and other similar Pugmill equipment)
GROUP 5: Cast-in-place pipe laying machine; Combination slusher and motor operator; Concrete conveyor or concrete pump, truck or equipment mounted; Concrete conveyor, building site; Concrete pump or pumpcrete gun; Drilling equipment, Watson 2000, Texoma 700 or similar; Drilling and boring machinery, horizontal (not to apply to waterliners, wagon drills or jackhammers); Concrete mixer/all; Person and/or material hoist; Mechanical finishers (concrete) (Clary, Johnson, Bidwell Bridge Deck or similar types); Mechanical burm, curb and/or curb and gutter machine, concrete or asphalt); Mine or shaft hoist; Portable crusher; Power jumbo operator (setting slip-forms, etc., in tunnels); Screed (automatic or manual); Self-propelled compactor with dozer; Tractor with boom D6 or smaller; Trenching machine, maximum digging capacity over 5 ft. depth; Vermeer T-600B rock cutter or similar

GROUP 6: Armor-Coater (or similar); Ballast jack tamper; Boom- type backfilling machine; Assistant plant engineer; Bridge and/or gantry crane; Chemical grouting machine, truck-mounted; Chip spreading machine operator; Concrete saw (self-propelled unit on streets, highways, airports and canals); Deck engineer; Drilling equipment Texoma 600, Hughes 200 Series or similar up to and including 30 ft. m.r.c.; Drill doctor; Helicopter radio operator; Hydro-hammer or similar; Line master; Skidsteer loader, Bobcat larger than 743 series or similar (with attachments); Locomotive; Lull hi-lift or similar; Oiler, truck mounted equipment; Pavement breaker, truck-mounted, with compressor combination; Paving fabric installation and/or laying machine; Pipe bending machine (pipelines only); Pipe wrapping machine (tractor propelled and supported); Screed (except asphaltic concrete paving); Self- propelled pipeline wrapping machine; Tractor; Self-loading chipper; Concrete barrier moving machine

GROUP 7: Ballast regulator; Boom truck or dual-purpose A-frame truck, non-rotating - under 15 tons; Cary lift or similar; Combination slurry mixer and/or cleaner; Drilling equipment, 20 ft. and under m.r.c.; Firetender (hot plant); Grouting machine operator; Highline cableway signalperson; Stationary belt loader (Kolman or similar); Lift slab machine (Vagtborg and similar types); Maginnes internal full slab vibrator; Material hoist (1 drum); Mechanical trench shield; Pavement breaker with or without compressor combination; Pipe cleaning machine (tractor propelled and supported); Post driver; Roller (except asphalt); Chip Seal; Self-propelled automatically applied concrete curing machine (on streets, highways, airports and canals); Self-propelled compactor (without dozer); Signalperson; Slip-form pumps (lifting device for concrete forms); Tie spacer; Tower mobile; Trenching machine, maximum digging capacity up to and including 5 ft. depth; Truck- type loader

GROUP 8: Bit sharpener; Boiler tender; Box operator; Brakeman; Combination mixer and compressor (shotcrete/gunite); Compressor operator; Deckhand; Fire tender; Forklift (under 20 ft.); Generator; Gunite/shotcrete equipment operator; Hydraulic monitor; Ken seal machine (or similar); Mixermobile; Oiler; Pump operator; Refrigeration plant; Reservoir-debris tug (self-propelled floating); Ross Carrier (construction site); Rotomist operator; Self-propelled tape machine; Shuttlecar; Self-propelled power sweeper operator (includes vacuum sweeper); Slusher operator; Surface heater; Switchperson;
Tar pot firetender; Tugger hoist, single drum; Vacuum cooling plant; Welding machine (powered other than by electricity)

GROUP 8-A: Elevator operator; Skidsteer loader-Bobcat 743 series or smaller, and similar (without attachments); Mini excavator under 25 H.P. (backhoe-trencher); Tub grinder wood chipper

----------------------------------------------------------

ALL CRANES AND ATTACHMENTS

GROUP 1: Clamshell and dragline over 7 cu. yds.; Crane, over 100 tons; Derrick, over 100 tons; Derrick barge pedestal-mounted, over 100 tons; Self-propelled boom-type lifting device, over 100 tons

GROUP 2: Clamshell and dragline over 1 cu. yd. up to and including 7 cu. yds.; Crane, over 45 tons up to and including 100 tons; Derrick barge, 100 tons and under; Self-propelled boom-type lifting device, over 45 tons; Tower crane

GROUP 3: Clamshell and dragline up to and including 1 cu. yd.; Cranes 45 tons and under; Self-propelled boom-type lifting device 45 tons and under;

GROUP 4: Boom Truck or dual purpose A-frame truck, non-rotating over 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) over 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) - under 15 tons;

-----------------------------------------------------------

PILEDRIVERS

GROUP 1: Derrick barge pedestal mounted over 100 tons; Clamshell over 7 cu. yds.; Self-propelled boom-type lifting device over 100 tons; Truck crane or crawler, land or barge mounted over 100 tons

GROUP 2: Derrick barge pedestal mounted 45 tons to and including 100 tons; Clamshell up to and including 7 cu. yds.; Self-propelled boom-type lifting device over 45 tons; Truck crane or crawler, land or barge mounted, over 45 tons up to and including 100 tons; Fundex F-12 hydraulic pile rig

GROUP 3: Derrick barge pedestal mounted under 45 tons; Self-propelled boom-type lifting device 45 tons and under; Skid/scow piledriver, any tonnage; Truck crane or crawler, land or barge mounted 45 tons and under

GROUP 4: Assistant operator in lieu of assistant to engineer; Forklift, 10 tons and over; Heavy-duty repairperson/welder

GROUP 5: Deck engineer

GROUP 6: Deckhand; Fire tender

-------------------------------------------------------------

STEEL ERECTORS

https://beta.sam.gov/wage-determination/CA20200004/3?index=wd&keywords=&is_active=true&sort=-modifiedDate&date_filter_index=0&date_rad_...
GROUP 1: Crane over 100 tons; Derrick over 100 tons; Self-propelled boom-type lifting device over 100 tons

GROUP 2: Crane over 45 tons to 100 tons; Derrick under 100 tons; Self-propelled boom-type lifting device over 45 tons to 100 tons; Tower crane

GROUP 3: Crane, 45 tons and under; Self-propelled boom-type lifting device, 45 tons and under

GROUP 4: Chicago boom; Forklift, 10 tons and over; Heavy-duty repair person/welder

GROUP 5: Boom cat

--------------------------------------------------------------

TUNNEL AND UNDERGROUND WORK

GROUP 1-A: Tunnel bore machine operator, 20' diameter or more

GROUP 1: Heading shield operator; Heavy-duty repairperson; Mucking machine (rubber tired, rail or track type); Raised bore operator (tunnels); Tunnel mole bore operator

GROUP 2: Combination slusher and motor operator; Concrete pump or pumpcrete gun; Power jumbo operator

GROUP 3: Drill doctor; Mine or shaft hoist

GROUP 4: Combination slurry mixer cleaner; Grouting Machine operator; Motorman

GROUP 5: Bit Sharpener; Brakeman; Combination mixer and compressor (gunite); Compressor operator; Oiler; Pump operator; Slusher operator

--------------------------------------------------------------

AREA DESCRIPTIONS:

POWER EQUIPMENT OPERATORS, CRANES AND ATTACHMENTS,TUNNEL AND UNDERGROUND  [These areas do not apply to Piledrivers and Steel Erectors]

AREA 1: DEL NORTE, HUMBOLDT, LAKE, MENDOCINO
AREA 2 -NOTED BELOW

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

DEL NORTE COUNTY:
Area 1: Extreme Southwest corner
Area 2: Remainder

HUMBOLDT COUNTY:
Area 1: Except Eastern and Southwestern parts
Area 2: Remainder

LAKE COUNTY:
Area 1: Southern part
Area 2: Remainder

https://beta.sam.gov/wage-determination/CA20200004/3?index=wd&keywords=&is_active=true&sort=-modifiedDate&date_filter_index=0&date_rad__...
MENDOCINO COUNTY:
Area 1: Central and Southeastern Parts
Area 2: Remainder

----------------------------------------------------------------
ENGI0003-019 07/26/2017

SEE AREA DESCRIPTIONS BELOW

<table>
<thead>
<tr>
<th>Group</th>
<th>Area 1</th>
<th>Area 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROUP 1</td>
<td>$34.05</td>
<td>$36.05</td>
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<tr>
<td>GROUP 2</td>
<td>$30.45</td>
<td>$32.45</td>
</tr>
<tr>
<td>GROUP 3</td>
<td>$25.84</td>
<td>$27.84</td>
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</tbody>
</table>

GROUP DESCRIPTIONS:

GROUP 1: Landscape Finish Grade Operator: All finish grade work regardless of equipment used, and all equipment with a rating more than 65 HP.

GROUP 2: Landscape Operator up to 65 HP: All equipment with a manufacturer's rating of 65 HP or less except equipment covered by Group 1 or Group 3. The following equipment shall be included except when used for finish work as long as manufacturer's rating is 65 HP or less: A-Frame and Winch Truck, Backhoe, Forklift, Hydragraphic Seeder Machine, Roller, Rubber-Tired and Track Earthmoving Equipment, Skiploader, Straw Blowers, and Trencher 31 HP up to 65 HP.

GROUP 3: Landscape Utility Operator: Small Rubber-Tired Tractor, Trencher Under 31 HP.

AREA DESCRIPTIONS:

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

AREA 2 - MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:
Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

COLUSA COUNTY:
Area 1: Eastern part
Area 2: Remainder
DEL NORTE COUNTY:
Area 1: Extreme Southwestern corner
Area 2: Remainder

ELDORADO COUNTY:
Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY
Area 1: Except Eastern part
Area 2: Eastern part

GLENN COUNTY:
Area 1: Eastern part
Area 2: Remainder

HUMBOLDT COUNTY:
Area 1: Except Eastern and Southwestern parts
Area 2: Remainder

LAKE COUNTY:
Area 1: Southern part
Area 2: Remainder

LASSEN COUNTY:
Area 1: Western part along the Southern portion of border with Shasta County
Area 2: Remainder

MADERA COUNTY
Area 1: Remainder
Area 2: Eastern part

MARIPOSA COUNTY
Area 1: Remainder
Area 2: Eastern part

MENDOCINO COUNTY:
Area 1: Central and Southeastern parts
Area 2: Remainder

MONTEREY COUNTY
Area 1: Remainder
Area 2: Southwestern part

NEVADA COUNTY:
Area 1: All but the Northern portion along the border of Sierra County
Area 2: Remainder

PLACER COUNTY:
Area 1: All but the Central portion
Area 2: Remainder

PLUMAS COUNTY:
Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:
Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Remainder

TEHAMA COUNTY:
Area 1: All but the Western border with mendocino & Trinity Counties
Area 2: Remainder

TRINITY COUNTY:
Area 1: East Central part and the Northeaster border with Shasta County
Area 2: Remainder

TULARE COUNTY;
Area 1: Remainder
Area 2: Eastern part

TUOLUMNE COUNTY:
Area 1: Remainder
Area 2: Eastern Part

IRON0377-002 07/01/2019

<table>
<thead>
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<th>Rates</th>
<th>Fringes</th>
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<tbody>
<tr>
<td>Ironworkers:</td>
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<tr>
<td>Fence Erector</td>
<td>$ 33.58</td>
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<tr>
<td>Ornamental, Reinforcing and Structural</td>
<td>$ 40.00</td>
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PREMIUM PAY:

$6.00 additional per hour at the following locations:


$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base, Naval Post Graduate School - Monterey, Yermo Marine Corps Logistics Center

$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

LAB00067-002 01/01/2020

AREA ""A"" - ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES
AREA "B" - CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCEDE, MONTEREY, SAN BENITO, SAN JOAQUIN, STANISLAUS, AND TUOLUMNE COUNTIES

<table>
<thead>
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<th>Rates</th>
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<td>Asbestos Removal Laborer</td>
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<td>All Counties ...................$ 24.00</td>
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LABORER (Lead Removal)

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<tbody>
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<td>Area A .................$ 31.81</td>
<td>24.61</td>
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<tr>
<td>Area B .................$ 30.81</td>
<td>24.61</td>
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ASBESTOS REMOVAL-SCOPE OF WORK: Site mobilization; initial site clean-up; site preparation; removal of asbestos-containing materials from walls and ceilings; or from pipes, boilers and mechanical systems only if they are being scrapped; encapsulation, enclosure and disposal of asbestos-containing materials by hand or with equipment or machinery; scaffolding; fabrication of temporary wooden barriers; and assembly of decontamination stations.

LAB00261-006 07/01/2018

MARIN COUNTY

<table>
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<th>Rates</th>
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<tr>
<td>Mason Tender-Brick .............$ 32.45</td>
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</table>

FOOTNOTE: Refractory work where heat-protective clothing is required: $2.00 per hour additional.

LAB00324-003 06/25/2018

DEL NORTE, HUMBOLDT, LAKE, AND MENDOCINO COUNTIES

<table>
<thead>
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<td>LABORER (TRAFFIC CONTROL/LANE CLOSURE)</td>
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<tr>
<td>Escort Driver, Flag Person ..$ 29.54</td>
<td>23.65</td>
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<tr>
<td>Traffic Control Person I ...$ 29.84</td>
<td>23.65</td>
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<tr>
<td>Traffic Control Person II ..$ 27.34</td>
<td>23.65</td>
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</table>

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LAB00324-005 06/25/2018

<table>
<thead>
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<th>Rates</th>
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<td>Laborers: (CONSTRUCTION CRAFT LABORERS)</td>
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<td>Construction Specialist ..................$ 30.49</td>
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GROUP 1 $ 29.79  23.20
GROUP 1-a $ 30.01  23.20
GROUP 1-c $ 29.84  23.20
GROUP 1-e $ 30.34  23.20
GROUP 1-f $ 29.37  23.20
GROUP 2 $ 29.64  23.20
GROUP 3 $ 29.54  23.20
GROUP 4 $ 23.23  23.20

See groups 1-b and 1-d under laborer classifications

Laborers: (GUNITE)
GROUP 1 $ 28.35  18.66
GROUP 2 $ 27.85  18.66
GROUP 3 $ 27.26  18.66
GROUP 4 $ 27.14  18.66

Laborers: (WRECKING)
GROUP 1 $ 29.79  23.20
GROUP 2 $ 29.64  23.20

Landscape Laborer (Gardeners, Horticultural & Landscape Laborers)
Establishment Warranty
Period $ 23.23  23.20
New Construction $ 29.54  23.20

FOOTNOTES:
Laborers working off or with or from bos'n chairs, swinging scaffolds, belts (not applicable to workers entitled to receive the wage rate set forth in Group 1-a): $0.25 per hour additional.

LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers’ work; Masonry and plasterer tender; Cast-in-place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker; Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and bucker; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar ype; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of
sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; vibrator

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree toppper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive $4.00 per day above Group 1 wage rates. "Sewer cleaner" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes, shall receive $5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds (underground structures). All employees performing work covered herein shall receive $.25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shotcrete

GROUP 2: Asphalt shoveler; cement dumper and handling dry cement or gypsum; choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches
GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watchman; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: All clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:
A: at demolition site for the salvage of the material.
B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.
The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Gunite laborer

WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

-----------------------------------------------------------------
LAB00324-007 06/25/2018

DEL NORTE, HUMBOLDT, LAKE, AND MENDOCINO COUNTIES

<table>
<thead>
<tr>
<th>Groups</th>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tunnel and Shaft Laborers:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GROUP 1.....................$ 37.82</td>
<td>24.11</td>
<td></td>
</tr>
<tr>
<td>GROUP 2.....................$ 37.59</td>
<td>24.11</td>
<td></td>
</tr>
<tr>
<td>GROUP 3.....................$ 37.34</td>
<td>24.11</td>
<td></td>
</tr>
<tr>
<td>GROUP 4.....................$ 36.89</td>
<td>24.11</td>
<td></td>
</tr>
<tr>
<td>GROUP 5.....................$ 36.35</td>
<td>24.11</td>
<td></td>
</tr>
<tr>
<td>Shotcrete Specialist.....$ 38.34</td>
<td>24.11</td>
<td></td>
</tr>
</tbody>
</table>

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading;
Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

-----------------------------------------------
LAB00324-009 07/01/2018
DEL NORTE, HUMBOLDT, LAKE, MENDOCINO, NAPA, SOLANO, AND SONOMA COUNTIES

<table>
<thead>
<tr>
<th></th>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>LABORER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mason Tender-Brick</td>
<td>$ 31.45</td>
<td>22.20</td>
</tr>
</tbody>
</table>

FOOTNOTE: Refractory work where heat-protective clothing is required: $2.00 per hour additional.

-----------------------------------------------
PAIN0016-021 01/01/2019
LAKE AND MENDOCINO COUNTIES

<table>
<thead>
<tr>
<th></th>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Painters:</td>
<td>$ 42.67</td>
<td>24.03</td>
</tr>
</tbody>
</table>

-----------------------------------------------
PAIN1034-001 06/01/1993
DEL NORTE AND HUMBOLDT COUNTIES

<table>
<thead>
<tr>
<th></th>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Painters:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brush &amp; Roller</td>
<td>$ 13.35</td>
<td>2.94</td>
</tr>
<tr>
<td>Sandblaster, spray, structural steel &amp; swing stage</td>
<td>$ 13.60</td>
<td>2.94</td>
</tr>
</tbody>
</table>

-----------------------------------------------
PAIN1176-001 07/01/2019
HIGHWAY IMPROVEMENT

<table>
<thead>
<tr>
<th></th>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parking Lot Striping/Highway Marking:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GROUP 1</td>
<td>$ 37.68</td>
<td>15.38</td>
</tr>
<tr>
<td>GROUP 2</td>
<td>$ 32.03</td>
<td>15.38</td>
</tr>
<tr>
<td>GROUP 3</td>
<td>$ 32.40</td>
<td>15.38</td>
</tr>
</tbody>
</table>
CLASSIFICATIONS

GROUP 1: Striper: Layout and application of painted traffic stripes and marking; hot thermo plastic; tape, traffic stripes and markings

GROUP 2: Gamecourt & Playground Installer

GROUP 3: Protective Coating, Pavement Sealing

PLAS0300-005 07/01/2017

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>$33.49</td>
<td>23.67</td>
</tr>
</tbody>
</table>

CEMENT MASON/CONCRETE FINISHER...

PLUM0038-004 07/01/2019

LAKE AND MENDOCINO COUNTIES

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
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</thead>
<tbody>
<tr>
<td>$63.04</td>
<td>31.48</td>
</tr>
</tbody>
</table>

Landscape/Irrigation Fitter
(Underground/Utility Fitter)...

PLUMBER

Work on wooden frame structures 5 stories or less excluding high-rise buildings and commercial work such as hospitals, prisons, hotels, schools, casinos, wastewater treatment plants, and research facilities as well as refrigeration pipefitting, service and repair work - MARKET

RECOVERY RATE.............$ 74.16 43.59
All other work - NEW CONSTRUCTION RATE...........$ 74.16 43.59

DEL NORTE AND HUMBOLDT COUNTIES:

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>$29.00</td>
<td>15.80</td>
</tr>
</tbody>
</table>

Underground Utility Worker /Landscape Fitter

SHEET METAL WORKER
Mechanical contracts

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
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</thead>
<tbody>
<tr>
<td>$53.67</td>
<td>44.62</td>
</tr>
<tr>
<td>$61.36</td>
<td>46.11</td>
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</table>

TEAM0094-001 07/01/2018

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Truck drivers:

https://beta.sam.gov/wage-determination/CA20200004/3?index=wd&keywords=&is_active=true&sort=-modifiedDate&date_filter_index=0&date_rad...
GROUP 1.....................$ 31.68            27.86
GROUP 2.....................$ 31.98            27.86
GROUP 3.....................$ 32.28            27.86
GROUP 4.....................$ 32.63            27.86
GROUP 5.....................$ 32.98            27.86

FOOTNOTES:
Articulated dump truck; Bulk cement spreader (with or without auger); Dumpcrete truck; Skid truck (debris box); Dry pre-batch concrete mix trucks; Dumpster or similar type; Slurry truck: Use dump truck yardage rate.
Heater planer; Asphalt burner; Scarifier burner; Industrial lift truck (mechanical tailgate); Utility and clean-up truck: Use appropriate rate for the power unit or the equipment utilized.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Dump trucks, under 6 yds.; Single unit flat rack (2-axle unit); Nipper truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump machine; Fork lift and lift jitneys; Fuel and/or grease truck driver or fuel person; Snow buggy; Steam cleaning; Bus or person haul driver; Escort or pilot car driver; Pickup truck; Teamster oiler/greaser and/or serviceperson; Hook tender (including loading and unloading); Team driver; Tool room attendant (refineries)

GROUP 2: Dump trucks, 6 yds. and under 8 yds.; Transit mixers, through 10 yds.; Water trucks, under 7,000 gals.; Jetting trucks, under 7,000 gals.; Single-unit flat rack (3-axle unit); Highbed heavy duty transport; Scissor truck; Rubber-tired muck car (not self-loaded); Rubber-tired truck jumbo; Winch truck and "A" frame drivers; Combination winch truck with hoist; Road oil truck or bootperson; Buggymobile; Ross, Hyster and similar straddle carriers; Small rubber-tired tractor

GROUP 3: Dump trucks, 8 yds. and including 24 yds.; Transit mixers, over 10 yds.; Water trucks, 7,000 gals. and over; Jetting trucks, 7,000 gals. and over; Vacuum trucks under 7500 gals. Trucks towing tilt bed or flat bed pull trailers; Lowbed heavy duty transport; Heavy duty transport tiller person; Self-propelled street sweeper with self-contained refuse bin; Boom truck - hydro-lift or Swedish type extension or retracting crane; P.B. or similar type self-loading truck; Tire repair person; Combination boot person and road oiler; Dry distribution truck (A bootperson when employed on such equipment, shall receive the rate specified for the classification of road oil trucks or bootperson); Ammonia nitrate distributor, driver and mixer; Snow Go and/or plow

GROUP 4: Dump trucks, over 25 yds. and under 65 yds.; Water pulls - DW 10's, 20's, 21's and other similar equipment when pulling Aqua pak or water tank trailers; Helicopter pilots (when transporting men and materials); Lowbed Heavy Duty Transport up to including 7 axles; DW10's, 20's, 21's and other similar Cat type, Terra Cobra, LeTourneau Pulls, Tournorocker, Euclid and similar type equipment when pulling fuel and/or grease tank trailers or other miscellaneous trailers; Vacuum Trucks 7500 gals and over and truck repairman
GROUP 5: Dump trucks, 65 yds. and over; Holland hauler; Low bed Heavy Duty Transport over 7 axles

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing
this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:
Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

================================================================
END OF GENERAL DECISION"
PART 2 CONTRACT FORMS
CONTRACT AGREEMENT

THIS AGREEMENT, MADE THIS ___________ day of ________________, 2020, by and between the Contract Manager, hereinafter called "Contract Manager," 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.

3. The Contractor will commence the work required by the Contract Documents to execute the contract within 5 calendar days after the date of the Notice to Proceed and will complete the same within the time provided in Section B-34 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 and addenda thereof incorporated into the documents before their execution, and including all other requirements incorporated by specific reference thereto. These form the Contract.

6. The Contract Manager 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. The statutory provisions for penalties for failure to comply with the State’s wage and hour laws will be enforced (Labor Code § 1813). Contractor shall forfeit as penalty to HCRCD the sum of up to two hundred dollars ($200.00) for each calendar day or portion thereof, and for each worker paid less than the prevailing rates under the Contract.

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.

Humboldt County Resource Conservation District
Contract Manager

ATTEST:

(seal)

By: _____________________________
Jill Demers Executive Director

______________________________
Notary Public

______________________________
Contractor (Seal)

By: _____________________________
License No: _______________________
Expiration: _______________________
DIR No.: _________________________
Humboldt County Resources Conservation District
College of the Redwoods Soil Reuse at White Slough

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That

__________________________________________, hereinafter called Principal, and

__________________________________________, hereinafter called Surety, are held and firmly bound unto

Humboldt County Resource Conservation District

(Name of Contract Manager)

5630 South Broadway, Eureka, CA, 95503

(Address of Contract Manager)

hereinafter called Contract Manager, 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 Contract Manager, dated _________________ day of ___________________ 2019, a copy of
which is hereto attached and made a part hereof for the installation of:

College of the Redwood Soil Reuse Project

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 Contract Manager, 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 Contract Manager from all costs
and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the
Contract Manager all outlay and expense which the Contract Manager may incur in making good any
default, then this obligation shall be void; otherwise to remain in full force and effect.
Humboldt County Resources Conservation District  
College of the Redwoods Soil Reuse at White Slough

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 Contract Manager 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 __________________ 2020.

ATTEST:

__________________________________________
Principal

__________________________________________
(Principal) Secretary

By: _______________________________________
Address: __________________________________

__________________________________________
Witness as to Principal

__________________________________________
(Address)

ATTEST:

__________________________________________
Surety

__________________________________________
Witness as to Surety

By: _______________________________________
Address: __________________________________

__________________________________________
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 called Principal, and
(Corporation, Partnership, or Individual)

____________________________________________________________________
(Name of Surety)

____________________________________________________________________
(Address of Surety)

hereinafter called Surety, are held and firmly bound unto

Humboldt County Resources Conservation District
(Name of Contract Manager)

5630 South Broadway, Eureka, CA, 95503
(Address of Contract Manager)

hereinafter called Contract Manager, 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 Contract Manager, dated ________________ day of _____________________ 2019, a copy of
which is hereto attached and made a part hereof for the installation of:

College of the Redwoods Soil Reuse at White Slough

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
Humboldt County Resources Conservation District
College of the Redwoods Soil Reuse at White Slough

performed thereunder or the specifications accompanying the same shall in any way 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 ____________________ 2020.

ATTEST:

____________________________________
Principal

____________________________________
(Principal) Secretary

(SEAL)

By: _________________________________
Address: _____________________________

____________________________________
Witness as to Principal

____________________________________
(Address)

ATTEST:

____________________________________
Surety

____________________________________
Witness as to Surety

(Address)

By: _________________________________
Address: _____________________________

By: _________________________________
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.
Humboldt County Resources Conservation District  
College of the Redwoods Soil Reuse at White Slough

NOTICE OF AWARD

To:  ______________________________________  
     ______________________________________  
     ______________________________________

Project Description:

College of the Redwoods Soil Reuse at White Slough

The Contract Manager 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 Contract Manager will be entitled to consider all your rights arising out of the Contract Manager’s acceptance of your Bid as abandoned and as a forfeiture of your Bid Bond. The Contract Manager 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 Contract Manager within two (2) calendar days.

Dated this __________________________ day of ___________________ 2020.

By: _____________________________  
    Jill Demers Executive Director  
    Humboldt County Resources Conservation District

ACCEPTANCE OF NOTICE

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

Dated this __________________________ day of ___________________ 2020.

By: _____________________________  
    Title: ___________________________
NOTICE TO PROCEED

To: ______________________________________  Date: ________________________________
_______________________________________  Project: College of the Redwoods Soil Reuse
_______________________________________  at White Slough

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
working days thereafter. The date of completion of all work is therefore ________________.

By: _____________________________
Contract Manager
Jill Demers Executive Director
Humboldt County Resource Conservation District

ACCEPTANCE OF NOTICE

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

________________________________________________________________
Dated this __________________________ day of ___________________ 2020.

By: _____________________________  Title: _____________________________
PART 3: 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:

AA       Aluminum Association
AASHO    American Association of State Highway Officials
ABMA     American Boiler Manufacturer's Association
ACI      The American Concrete Institute
AGA      American Gas Association
AGC      Associated General Contractors
AGMA     American Gear Manufacturer's Association
AI       The Asphalt Institute
AIA      American Institute of Engineers
AISC     American Institute of Steel Construction
AISI     American Iron and Steel Institute
ALSC     American Lumber Standards Committee
ANSI     American National Standards Institute, Inc.
API      American Petroleum Institute
APWA     American Public Works Association
AREA     American Railway Engineering Association
ASCE     American Society of Civil Engineers
ASME     American Society of Mechanical Engineers
ASTM     American Society for Testing and Materials
AWPA     American Wood Preservers' Association
AWS      American Welding Society
AWWA     American Water Works Association
BHMA     Builders Hardware Manufacturers Association
CCMTC    California Concrete Masonry Technical Committee
CRSI     Concrete Reinforcement Steel Institute
DFPA     Douglas Fir Plywood Association
ETL      Electrical Testing Laboratory
FS       Federal Specification
ICBO     International Conference of Building Officials
IEEE     The Institute of Electrical and Electronics Engineers
IES      Illuminating Engineering Society
IPCEA    Insulated Power Cable Engineers Association
MBMA     Metal Building Manufacturer's Association
MSS      Manufacturers Standardization Society of the Valve and Fitting Industry Standards
PART 3 CONDITIONS OF THE CONTRACT

A-3 Definitions

a) **Acceptance** - The formal written acceptance by Contract Manager 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 Contract 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 Contract Manager 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 from Contract Manager 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 Limit.

NBFU National Board of Fire Underwriters
NBS National Buildings Standards
NEC National Electrical Code
NEMA National Electrical Manufacturers Association
NFPA National Fire Protection Association
OSHA Occupational Safety and Health Act of 1970
PCA Portland Cement Association
SMACNA Sheet Metal and Air Conditioning Contractor's National Association
SSPC Steel Structures Painting Council
SSPWC Standard Specifications for Public Works Construction
UBC Uniform Building Code
USPHS United States Public Health Service
UL Underwriter's Laboratory
UMC Uniform Mechanical Code
UPC Uniform Plumbing Code
USAS The United States of America Standard Institute
USBR United States Bureau of Reclamation
USFWS United States Fish & Wildlife Service
WCLIB West Coast Lumber Inspection Bureau
WIC Woodwork Institute of California
h) **Claim** - A separate demand by the Contractor for
   
i. a Time Limit 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 Contract Manager.

i) **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.

j) **Contract Documents** – Those items so designated in the Agreement, and which together comprise the Contract.

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

l) **Contract Time** - The Time Limit stated in the Contract Documents for the completion of work.

m) **Contractor** - The person or persons, firm, partnership or corporation or other entity that has entered into the Contract with Contract Manager to perform the work.

n) **Contract Drawings** - "Contract Drawings" or "drawings" means and includes:
   
i. All drawings which have been prepared on behalf of Contract Manager 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 Contract Manager during the progress of the work when accepted by Contract Manager.

   iii. 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.

o) **Contract Manager** – The term Contract Manager shall be understood to indicate the Humboldt County Resource Conservation District Executive Director, Jill Demers.

p) **County** - County of Humboldt, California.

q) **Date of Execution of the Contract** - The date on which the Contract is signed by Contract Manager.
r) **Datum** - The figures given in the Specifications or upon the drawings after the word "Elevation" or an abbreviation of it shall mean with respect to the Control Points shown on the Plans.

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

t) **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 Contract Manager to the Contractor during construction.

u) **His** - "His" shall include "her" and "its".

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

w) **Notice of Award** - The written notice of the acceptance of the Bid from Contract Manager to the successful Bidder.

x) **Notice to Proceed** - Written communication issued by Contract Manager to the Contractor authorizing him to proceed with the work and establishing the date of commencement of the work.

y) **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 in writing by Contract Manager.

z) **Owner** – Wherever in these documents the word “Owner” appears, it shall be understood to mean the College of the Redwoods.

aa) **Plans or Specification Drawings** - The term "Plans, Drawings, or Specification 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) **Prevailing Wage Laws** - The successful Bidder must comply with all prevailing wage laws applicable to the Project, and related requirements contained in this Project Manual.

cc) **Project** - The undertaking performed as provided by the Contract Documents.

dd) **Project Engineer** - Wherever in these documents the word "Project Engineer" appears, it shall be understood to mean GHD design engineer, Steve McHaney, P.E.
ee) **Project Inspector** - Authorized representative of Project Manager or who is assigned to the Project or any part thereof.

ff) **Project Manager** – The term Project Manager shall be understood to indicate GHD design engineer, Steve McHaney, PE.

Project Manager’s Representative – The term Project Manager’s Representative shall be understood to indicate the authorized representative of the Project Manager.

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

hh) **Refuge** – The Humboldt Bay National Wildlife refuge owned and operated by the USFWS.

ii) **Refuge Project Engineer** – Shall be understood to be the Refuge’s Design Engineer, Conor Shea, P.E.

jj) **Refuge Inspector** - Shall be understood to be any authorized representative of Refuge Project Manager or Refuge Project Engineer that is assigned to manage placement of fill at White Slough.

kk) **Refuge Project Manager** – Shall be understood to be the Humboldt Bay National Wildlife (acting) Deputy Project Leader Brendan Leigh.

ll) **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 Contract Manager by personal delivery thereof, Contract Manager’s Project Representative or by depositing the notice in the U.S. mail, enclosed in a sealed envelope addressed to Humboldt County Resource Conservation District, 5630 South Broadway, Eureka, California 95503, Attn: Jill Demers, 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 request.

   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.

mm) **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 Contract Manager and means that the Contractor or Contract Manager has thereby entered into a covenant with the other party to do or perform the same.
nn) **Shop Drawing** - All drawings, diagrams, illustrations, brochures, schedules and other data which are prepared by the Contractor, a Subcontractor, manufacturer, supplier or distributor, to illustrate some portion of the Work.

oo) **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.

pp) **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.

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

rr) **Subcontractors** - The term "Subcontractor", as employed herein, includes only those having a direct contract with the Contractor and it includes, without limitation, 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.

ss) **Substantial Completion** - That date as certified by Contract 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.

Contract 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 Contract Manager 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.

tt) **Sufficient** - “Sufficient,” “necessary,” or “proper,” “acceptable,” “satisfactory,” “desirable,” and words of like import, wherever and in whatever manner used, with or without reference to Contract Manager, means sufficient, necessary, proper, acceptable, satisfactory and desirable in the judgment of Contract Manager.

uu) **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 or local laws.

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

ww) Time Limit (time period) - Contract Time.

xx) White Slough – Portion of the Humboldt Bay National Wildlife Refuge Where fill is being placed to construct the White Slough Tidal Wetland Enhancement Project.

yy) 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 Contract Manager.

zz) 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.
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.

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 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 Project Engineer through the Contract Manager, or through the Project Inspector 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.

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 Contract Manager is intended, and similarly the words APPROVED, ACCEPTABLE, SATISFACTORY, or words of like import, shall mean approved or acceptable to, or satisfactory to Contract Manager, unless otherwise expressly stated.
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 Contract Manager or the Project Manager, 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 Contract Manager 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 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 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 Contract Manager'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 Contract Manager and shall permit the Contract Manager to have access to such records as may be necessary to assist in the determination of the compensation payable for such work.

The Contract 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 Contract 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 Contract 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 Contract Manager.

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 Contract Manager shall have the right to require the performance thereof in any of the following ways, at Contract Manager’s sole election:

   (i) 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);

   (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 Contract Manager 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 Contract Manager'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 Contract Manager 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 Contract Manager may direct the Contractor to proceed with the Change or Addition to the Work and the Contractor shall so proceed. The Contract Manager shall determine the reasonable costs and time to perform the Work in question, which determination when approved by Contract Manager 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 Contract
Manager do not elect to have the change in the work performed on a time and material basis, the Contract Manager shall make a determination of the reasonable cost and time to perform the change in the work, based upon his 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 Contract Manager and shall become binding upon the Contractor unless the Contractor submits its protest in writing to the Contract Manager within thirty (30) days of the issuance of the Change Order. The Contract Manager 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 Contract Manager 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 Contract Manager 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 Contract Manager may require. The Contract Manager may require authentication of all time and material tickets and invoices by persons designated by the Contract Manager for such purpose. The failure of the Contractor to secure any required authentication shall, if the Contract Manager 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 Contract Manager shall not constitute an acknowledgment by the Contract Manager 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 Contract Manager 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 Contract Manager 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 Contract Manager, directly or through the Project 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 Contract Manager 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

(c) 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 Project Engineer shall thereupon promptly investigate the conditions. If the Project Engineer 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, the Contract Manager 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 for extra costs shall then apply.

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

(a) The plans for work show the conditions as they are supposed or believed by the Project Engineer to exist, but it is neither intended nor to be inferred that the conditions as shown thereon constitute a representation by the Contract Manager or its officers that such conditions are universally existent nor shall the Contract Manager 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 Contract Manager assumes no responsibility for any representations made by any of its officers 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 Contract Manager.

(c) 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 Project Engineer or the Contract Manager, or the happening of any event, thing or occurrence, unless the Contractor shall have given the Contract Manager due written notice of potential claims as hereinafter specified.

(d) 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 Contract Manager 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.

(e) The Contractor may submit a claim to the Contract Manager 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-77. 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 Project Engineer with copies thereof, as required.

(f) The Contract Manager 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 Contract Manager shall be final unless the Contractor shall within ten (10) days after receipt of the Contract Manager’s decision, file with the Contract Manager a written protest, stating clearly and in detail the basis thereof. Such protest will be forwarded promptly by the Contract Manager to the Contract Manager, which will issue a decision upon each such protest, and the Contract
Manager’s decision will be final. Pending such decision, the Contractor shall proceed with its work in accordance with the determination or instructions of the Contract Manager. It is hereby agreed that the Contractor’s failure to protest the Contract Manager’s determination or instructions, within ten (10) days from and after the Contract Manager’s determinations or instructions, shall constitute a waiver by the Contractor of all its rights to further protest, judicial or otherwise.

(g) 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 Contract Manager 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.

(h) In the event of an emergency endangering life or property, the Contractor shall act as stated in Section B-67 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 Contract Manager 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 Contract Manager 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 Contract Manager’s decision, the Contractor may, within 15 days from the date of the Contract Manager’s decision, follow the procedures set forth in Section B-60. If the Contractor fails to follow the procedures set forth in Section B-60 within the 15 day period, then the Project 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 Project Engineer and the Contract Manager, any and all materials which may be defective or improperly installed.

(b) The Contractor shall repair or replace to the satisfaction of the Contract Manager 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 Contract Manager 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 THE WORK

B-10 Authority of the Project Engineer

(a) The Project Engineer is the representative of the Contract Manager 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 Project Engineer has the authority to reject all work and materials which do not conform to the Contract Documents, 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 Project Engineer to be insufficient or inappropriate to secure the required quality of work or the proper rate of progress, the Project Engineer may order the Contractor to increase their efficiency, improve their 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 Project 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 Project 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 Project Engineer, not otherwise required by the Contract Documents to be in writing shall, on request of the Contractor, be given or confirmed by the Project 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 Project Engineer.

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

(g) It is expressly agreed and understood that the Project Engineer will have no liability whatsoever resulting from the obligations entered into under the Contract; that the Contract Manager must look solely to the Contractor for the furnishing of the work; that the Contractor must look solely to the Contract Manager for payment; and that the Contract Manager 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-11 Drawings (Not Used)
B-12 Permits and Regulations

Permits, licenses, and easements of a temporary or permanent nature, necessary for the prosecution of the work shall be secured and paid for by the Contractor, except as noted in Section B-40, 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 Contract 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 Contract Manager, it shall bear all costs arising therefrom.

B-13 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 Project 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 Project Engineer, such material, article, or piece of equipment is of equal substance and function to that specified, the Project 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-14 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 Project Engineer shall determine which governs.

(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 Project 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 Project 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-15 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 Contract Manager 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 Contract Manager. If a legal action, including arbitration and litigation, against the Contract Manager is initiated by a Subcontractor or Supplier, the Contractor shall reimburse the Contract Manager for the amount of legal, engineering and all other expenses incurred by the Contract Manager in defending itself in said action. A copy of each subcontract must be provided to Contract Manager.

(c) The Contract Manager reserves 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-16 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-17 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 Contract manager 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 Contract Manager, 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 Contract Manager, not otherwise required by the Specifications to be in writing, will on request of the Contractor, be given or confirmed by the Contract Manager in writing.

B-18 Inspection of Work

(a) Unless otherwise provided, all equipment, materials, and work shall be subject to inspection and testing by the Project Engineer. The Project 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 Project 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 Contract Manager so that proper inspection may be provided. 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 Project Engineer and other agents of the Contract Manager, 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) One or more Project 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 Contract Manager and Project 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.
PART 3 CONDITIONS OF THE CONTRACT

(d) The Project Manager and its representatives, the Project Engineer and its representatives, and the Contract Manager 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 Project 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 Project Engineer timely notice of its readiness for inspection, and if the inspection is by an authority other than the Contract Manager, of the time fixed for inspection. Inspections by the Project Engineer will be made promptly and, where practicable, at the source of supply.

(e) 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 Contract Manager-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 Project 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 Contract Manager 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 Contract Manager will pay such costs.

(f) 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 Project 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 Contract Manager. 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 Contract Manager in writing, the Contract Manager may make the ordered repairs, or remove the condemned materials, and deduct the cost thereof from any monies due the Contractor.

(g) The Contractor shall furnish promptly without additional charge all facilities, labor and materials reasonably needed by the Project 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.

(h) Where any part of the work is being done under an encroachment permit or building permit, or is subject to Federal, State, County or Contract Manager 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.
(i) The Project 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 Project Engineer is assured of the cooperation and assistance of both the Contractor and the material producer. The Project 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 Contract Manager assumes no obligation to inspect materials at the source of supply.

(j) Forty-eight hours prior to work being accomplished, the Contractor will notify the Contract Manager 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 Contract Manager.

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 Contract Manager from payment due the Contractor.

(k) A pre-final inspection of the Work will be made by the Contract Manager and the Project Engineer. This inspection shall be made as soon as practical after Contractor has notified the Contract Manager 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.

(l) A final inspection of all the work will be made by the Contract Manager, Project Engineer, and Contractor.

B-19 Tests

The Project Engineer 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 Project 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 Project Engineer. All tests by the Project Engineer will be performed in such a manner as will not unnecessarily delay the work. The Contractor shall not be required to reimburse the Contract Manager for tests performed by the Contract Manager or Project Engineer. If samples of materials are submitted which fail to pass the specified tests, the Contractor shall pay for all subsequent tests.
B-20  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 Project 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 Contract Manager, 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 Contract Manager made under this Section, the Contract Manager 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 Contract Manager 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 Contract Manager.

B-21  Deductions for Uncorrected Work

If the Contract Manager 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 Contract Manager from Contractor's payment.

B-22  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 Project 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 Project 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.
In the case of termination of this Contract before completion from any cause whatever, the Contractor, if notified to do so by the Contract Manager, shall promptly remove any part or all of its equipment and supplies from the Project Sites. If the Contractor fails to do so, the Contract Manager shall have the right to remove such equipment and supplies at the expense of the Contractor.

**B-23 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 Contract Manager or its agents or shall appear to the Contract Manager 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 Contract Manager 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 Contract Manager, or any of its officers or agents.

**B-24 Separate Contracts**

The Contract Manager 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 Project 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 Contract Manager any discrepancy between the executed work and the drawings.

The Contract Manager or Project Manager 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 Project Manager or his representatives, 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, the Project Manager, or the Contract Manager 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 Contract Manager 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-25 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 Contract Manager, furnish satisfactory evidence as to the kind and quality of materials.

(b) Where materials are to be furnished by the Contract Manager, 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 Contract Manager 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 Contract Manager.

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 Contract Manager and Project 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-26 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 Project 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-27 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:
(a) 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 Project Engineer. The Project Engineer shall be the sole judge as to the quality and suitability of alternative articles or materials and its decision shall be final.

(b) 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-28 Certificate of Compliance

(a) 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 Project 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 Contract Manager 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 Project Engineer.

B-29 Assignment

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

B-30 Use of Completed Portions, Right to Operate Unsatisfactory Equipment or Facilities

(a) The Contract Manager or Project Manager 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 Contract Manager’s Project Manager’s labor or other contracts, and for any other purpose in connection with the installation of facilities. In doing so, the Contract Manager and Project Manager 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 Contract Manager or Project Manager.

(b) If, prior to completion and final acceptance of all the work, the Contract Manager 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 Contract Manager 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 Contract Manager'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 Contract Manager 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 Contract Manager.

B-31 Lands for Work, Right-of-Way Construction Roads

(a) The Contract Manager or Owner 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-12 and B-54. Should the Contractor find it advantageous to use any additional land for any purpose whatsoever, the Contractor shall provide for the use of such land at their expense. The Contract Manager 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 Contract Manager. 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 Contract Manager 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 Contract Manager 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 Contract Manager 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 Contract Manager 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-32 Contract Manager'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 Contract Manager, the Bureau of State Audits, Federal Grantor Agency, 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 Contract Manager or its designated representatives shall have the right to audit the books, records and accounts of the Contractor under any of the following conditions:

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

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

(iii) 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, back-charges, or others, as may be provided for in this contract; and/or

(iv) If it becomes necessary to determine the Contract Manager'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 Contract Manager;

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

(vi) For any other reason in the Contract Manager's sole judgment.

(b) If any of the conditions stated in paragraph B-32(a) are satisfied, Contractor shall provide the Contract Manager (or its representatives), unlimited, reasonable access during working hours to the Contractor's books and records under the conditions stated above. The Contract Manager's audit rights shall be liberally construed in the Contract Manager's favor.

(c) The Contractor, from the effective date of final payment, termination hereunder and all other pending matters are closed, shall preserve and make available to the Contract Manager for a period of three (3) years thereafter, at all reasonable times at the office of the Contractor (but without any charge to the Contract Manager), 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 Contract Manager will make all payments required of it under this Contract subject to audit, under circumstances stated above, which audit may be performed at the Contract Manager'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 Contract Manager and are part of the Contract Manager's control systems or are requested by the Contractor, the payments made under this Contract shall not constitute a waiver or agreement by the Contract Manager that it accepts as correct the billings, invoices or other charges on which the payments are based. If the Contract Manager's audit produces a claim against the Contractor, the Contract Manager 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 Contract Manager or its representative discloses an underpayment by the Contract Manager pursuant to the terms of the Contract Documents, the Contract Manager 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 Contract Manager for the amount of the overpayment. The Contract Manager'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 Contract Manager's audit or upon the termination of audit rights under subparagraph B-32(f), whichever date is later. The obligation of the Contractor to make reimbursements hereunder shall not terminate except as provided by law.

(f) The Contract Manager'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 Contract Manager's rights hereunder, Contractor shall be liable to the Contract Manager for all costs, expenses and attorney's fees which the Contract Manager 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 Contract Manager from said persons under this clause. Such audit may be conducted by the Contract Manager or its authorized representative.
ARTICLE III. PROGRESS AND COMPLETION OF WORK

B-33 Progress Schedule

The contractor shall adhere to schedule defined in the contract.

B-34 Commencement and Progress of the Work and Time of Completion

Prior to the start of construction, the Contract Manager will conduct a preconstruction conference. At the conference, the Contract Manager will review the planned development with the Project Engineer, Project Manager, 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.

B-35 Suspension of Work

(a) The Contract Manager 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, or to comply with any applicable Federal, State or Local COVID-19 public health Order, and the Contractor shall have no claim for damages or additional compensation on account of any such suspension.

(b) The Contract Manager 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 Contract Manager. 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 Contract Manager 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 Contract Manager. In the event of suspension of the entire work by the Contract Manager, 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 Contract Manager.

(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, except where such extension of time would violate project permits.

(d) In the event the entire work shall be suspended by order of the Contract Manager, 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 Contract Manager, terminate the Contract in the same manner as if the termination had been initiated by the Contract Manager, and the Contract Manager 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 Contract Manager, or under an order of Court or other public authority, or suspended by the Contract Manager in compliance with any Federal, State or Local COVID-19 public health Order, or the Contract Manager fails to act on any request for payment within sixty (60) days after it is submitted, or the Contract Manager fails to pay the Contractor substantially the sum approved by the Contract Manager or any final award by arbitration or litigation within sixty (60) days of its approval and presentation, then the Contractor may, after ten (10) days from delivery of a written notice to the Contract Manager and the Contract Manager, terminate the Contract and recover from the Contract Manager payment for all Work then executed and all expenses then sustained.

In addition and in lieu of terminating the Contract, if the Contract Manager has failed to act on a request for payment or if the Contract Manager has failed to make any payment as aforesaid, the Contractor may upon ten (10) days written notice to the Contract Manager 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 Contract Manager 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 Contract Manager.

If the Contractor intends to file a claim for additional compensation for a delay caused by the Contract Manager at a particular time, he shall file a Notice of Claim with the Contract Manager 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 Contract Manager within the time and in the manner stated above. Contractor's failure to file a claim shall constitute a waiver.

**B-36 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 Contract Manager, 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 Contract Manager 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:

(i) 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 Contract Manager, acts of another Contractor in the performance of a Contract with the Contract Manager, fires, floods, excluding site flooding due to groundwater, levee failure, epidemics, quarantine restrictions, unusually severe weather, as determined by the Project Engineer; and

(ii) The Contractor shall, within 48 hours of the start of the occurrence, give notice to the Contract Manager 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 Project Engineer grants further period of time before the date of final payment under the Contract), notifies the Project Engineer in writing of the causes of delay and requests an extension of time.

The Contract Manager 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 Contract Manager for additional compensation or damages unless caused by the Contract Manager or another Contractor employed by the Contract Manager.

(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 Contract Manager, or otherwise commit a substantial violation of any provisions of the Contract, the Contract Manager 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 Contract Manager 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.

(g) The rights and remedies of the Contract Manager provided in this section are in addition to any of the rights and remedies provided by law or under this Contract.

(h) In addition to the Contract Manager’s rights under this section, if at any time before completion of the work under the Contract, it shall be determined by the Contract Manager that reasons beyond the control of the parties hereto render it impossible or against the interests of the Contract Manager 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 Contract Manager 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 Contract Manager 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 Contract Manager to be done.

B-37 Rights of Contract Manager Upon Termination

(a) 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 Contract Manager may take over the work and prosecute the same to completion by contract or any other method the Contract Manager 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 Contract Manager in enforcing the provisions of Section B-37 and in completing or causing to complete the Contract work.

(b) 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 Contract Manager, 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 Contract Manager on account of termination of the Contract and subsequent completion of the work by the Contract Manager by whatever method the Contract Manager 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 Contract Manager for the full amount of such excess expense.

(c) The rights and remedies of the Contract Manager provided in this section are in addition to any of the rights and remedies provided by the law or under this Contract.
B-38 Failure to Complete the Work in the Time Agreed Upon - Liquidated Damages

(a) 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) calendar days notice to cure such fault and has not done so, the Contract Manager may take over the Work and prosecute the same to completion by contract or any other method the Contract Manager 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 therefor. 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 Contract Manager in enforcing the provisions of Section B-37 and in completing or causing to complete the Contract Work.

(b) In addition, the Contract Manager 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 Contract Manager 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 Contract Manager or the owner of the utility under Government Code Section 4215.

B-39 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 Contract Manager 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 Contract Manager, at the Contractor's expense.
ARTICLE IV. LEGAL RELATIONS AND RESPONSIBILITY

B-40 Independent Contractor, Compliance with Laws - Permits, Regulations, Taxes

Contractor is an independent contractor, in performing all work herein, shall have control of its work and the manner in which it is performed. Contractor shall be free to contract for similar services to be performed for others while under contract with Contract Manager, provided no conflict of interest is created. Contractor is not to be considered an agent or employee of Contract Manager. Contractor 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 Contract Manager. 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 Contract Manager in writing. It shall also protect and indemnify the College of the Redwoods, the Humboldt County Resource Conservation District, the US Fish & Wildlife Service, and all of the Contract Manager'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:

(a) 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.

(b) The Contractor, upon request, shall furnish evidence satisfactory to the Contract Manager and Project Engineer that any or all of the foregoing obligations have been or are being fulfilled. The Contractor warrants to the Contract Manager 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.

(c) Owner obtained permits will be provided to the awarded Contractor. The permit references have been included in the appendices of these specifications.

(d) CHILD SUPPORT COMPLIANCE ACT - Supplier acknowledges that it is the policy of this State that anyone who enters into a contract with a state agency shall recognize the importance of child and family support obligations and shall fully comply with all applicable state and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and compliance with earnings assignment orders, as provided in Chapter 8 (commencing with Section 5200) of Part 5 of Division 9 of the Family Code. Supplier further acknowledges that to the best of its knowledge it is fully complying with the earnings assignment orders of all employees and is providing the names of all new
employees to the New Hire Registry maintained by the Employment Development Department.

(e) NONDISCRIMINATION CLAUSE - During the performance of this Agreement, Supplier, its contractors and subcontractors, shall not deny the Agreement's benefits to any person on the basis of religion, color, ethnic group identification, sex, age, physical or mental disability, nor shall they discriminate unlawfully against any employee or applicant for employment because of race, religion, color, national origin, ancestry, physical handicap, mental disability, medical condition, marital status, age, or sex. Supplier, its contractors and subcontractors shall ensure that the evaluation and treatment of employees and applicants for employment are free of such discrimination.

Supplier, its contractors and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code, Section 12900 et seq.), the regulations promulgated thereunder (California Code of Regulations, Title 2, Section 7285.0 et seq.), the provisions of Article 9.5, Chapter 1, Part 1, Division 3, Title 2 of the Government Code (Government Code, Sections 11135-11139.5) and the regulations or standards adopted by the awarding State Agency to implement such article.

By signing this Agreement, Supplier assures State that it shall comply with the requirements of the Americans with Disabilities Act (ADA) of 1990, (42 U.S.C. 12101 et seq.), which prohibits discrimination on the basis of disability, as well as all applicable regulations and guidelines issued pursuant to the ADA; the Civil Rights Act of 1964, as amended, 42 U.S.C. 2000d (1988) et seq.; Section 504 of the Rehabilitation Act of 1973, as amended, 29 U.S.C. 794 (1989); Federal Water Pollution Control Act Amendments of 1972, Pub.L. No. 92-500, 86 Stat 816; and the Age Discrimination Act of 1975, as amended, 42 U.S.C. 6102 (1994); together with all applicable regulations and guidelines adopted to implement same. Said group of laws and requirements are collectively referred to in this Agreement as the "anti-discrimination laws".

Supplier agrees to collect and maintain information to show compliance with the "anti-discrimination laws" including a list of discrimination complaints, reports of any compliance reviews conducted by other agencies, descriptions of any pending discrimination-based lawsuits and data on the racial, ethnic, national origin, sex and handicap characteristics of the population it serves. Supplier, its contractors and subcontractors shall give written notice of their obligations under this Article to labor organizations with which they have a collective bargaining or other agreement.

Supplier's signature on this Agreement shall constitute a certification under penalty of perjury under the laws of the State of California that Supplier has, unless exempted, complied with the nondiscrimination program requirements of Government Code, Section 12990, and Title 2, California Code of Regulations, Section 8103.

Supplier shall include the nondiscrimination and compliance provisions of this Section B-43 of the General Conditions in all contracts and subcontracts to perform work on the Project.

(f) WORKERS' COMPENSATION CLAUSE - As required by Section 1860 of the California Labor Code and in accordance with the provisions of Section 3700 of the Labor Code, every contractor will be required to secure the payment of workers' compensation to its employees. Supplier affirms that
it is aware of the provisions of Section 3700 of the California Labor Code, which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and Supplier affirms that it will comply with such provisions before commencing performance of work under this Agreement and will make its contractors and subcontractors aware of this provision.

(g) CONFLICT OF INTEREST- CURRENT AND FORMER STATE EMPLOYEES

(i) Current State Officers and Employees:

1) Supplier shall not utilize in the performance of this Agreement any state officer or employee in the state civil service or other appointed state official unless the employment, activity, or enterprise is required as a condition of the officer or employee's regular state employment. Employee in the state civil service is defined to be any person legally holding a permanent or intermittent position in the state civil service.

2) If any state officer or employee is utilized or employed in the performance of this Agreement, Supplier shall first obtain written verification from State that the employment, activity, or enterprise is required as a condition of the officer's, employee's, or official's regular state employment and shall keep said verification on file for three (3) years after the termination of this Agreement.

3) Supplier may not accept occasional work from any currently employed state officer, employee, or official.

4) If Supplier accepts volunteer work from any currently employed state officer, employee, or official, Supplier may not reimburse, or otherwise pay or compensate, such person for expenses incurred, including, without limitation, travel expenses, per diem, or the like, in connection with volunteer work on behalf of Supplier.

5) Supplier shall not employ any state officers, employees, or officials who are on paid or unpaid leave of absence from their regular state employment.

6) Supplier or anyone having a financial interest in the Agreement may not become a state officer, employee, or official during the term of this Agreement. Supplier shall notify each of its employees, and any other person having a financial interest in this Agreement that it is unlawful under the Public Contract Code for such person to become a state officer, employee, or official during the term of this Agreement unless any relationship with the Supplier giving rise to a financial interest, as an employee or otherwise, is first terminated.

7) Occasional or one-time reimbursement of a state employee's travel expenses is not acceptable.

(ii) Former State Officers and Employees:

1) Supplier shall not utilize in the performance of this Agreement any formerly
employed person of any state agency or department that was employed under the state civil service, or otherwise appointed to serve in the State Government, if that person was engaged in any negotiations, transactions, planning, arrangement, or any part of the decision making process relevant to the Agreement while employed in any capacity by any state agency or department. This prohibition shall apply for a two (2) year period beginning on the date the person left state employment.

2) Supplier shall not utilize within twelve (12) months from the date of separation from services, a former employee of the contracting state agency or department if that former employee was employed in a policy making position in the same general subject area as the proposed Agreement within the twelve (12) month period prior to the employee leaving state service.

B-41 Prevailing Wage

(a) This is a Public Works Project funded with CA State and Federal funds. Therefore CA State and Federal prevailing wage rates will be required on this project.

(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.

(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(c); 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 Contract Manager 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. Contractor must also pay each worker the difference between the applicable prevailing wage rate and the amount actually paid to that worker.

(j) Per Labor Code Section 1776, the Contractor and Subcontractors shall maintain and furnish to the Humboldt County Resource Conservation District’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 District’s Labor Compliance Officer will audit payroll records to verify compliance and will withhold contract payments when payroll records are delinquent or inadequate. The Labor Compliance Officer will be Carolyn Lay with North Valley Labor Compliance Services. 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 Contractor shall at all times, keep posted at the jobsite applicable wage rates in effect for this Work in addition to other required employee notifications or postings.

B-42 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-43 Davis/Bacon Prevailing Wages

The Davis-Bacon Act (40 USC, Chapter 3, Section 276a- 276a-5; and 29 CFR Parts 1, 3, 5, 6 and 7) is triggered for this project and requires that workers be paid prevailing wages.

B-44 Minority/Women Business Enterprise Federal Regulatory Requirements (24 CFR 85.36(e))

The Contractor shall take all necessary affirmative steps to assure minority firms, women’s business enterprises, and labor surplus area firms are used when possible. If subcontractors are to be let, affirmative action steps shall include the following:

(a) Placing qualified small and minority businesses and women’s business enterprises on solicitation lists;
(b) Assuring that small and minority businesses and women’s business enterprises are solicited whenever there are potential sources;

(c) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses and women’s business enterprises;

(d) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses and women’s business enterprises; and

(e) Using the services and assistance of the Small Business Administration, and the Minority Business Development Agency of the Department of Commerce.

B-45 The Copeland Anti-Kickback Act (40 USC, Chapter 3, Section 276c and 18 USC, Part 1, Chapter 41, Section 874; and 29 CFR Part 3)

All workers shall be paid weekly, that deductions from workers’ pay be permissible, and that contractors maintain and submit weekly payrolls.

B-46 The Contract Work Hours and Safety Standards Act (40 USC, Chapter 5, Sections 326-332; and 29 CFR Part 4, 5, 6 and 8; 29 CFR Part 70 to 240)

For contracts over $100,000 and requires that workers receive overtime compensation (time and one-half pay) for hours they have worked in excess of 40 hours in one week. Violations under this Act carry a liquidated damages penalty ($10 per day per violation).

B-47 Compliance with Clean Air Act and Clean Water Act, Compliance with Energy Policy and Conservation Act (Pub. L. 94-163, 89 Stat. 871) and Requirements/Regulations Pertaining to Data, Patent Rights and Copyrights

(a) Contractor shall comply with all applicable standards, orders and requirements issued under Section 306 of the Clean Air Act (42 U.S.C. 1857(h).

(b) Contractor shall comply with all applicable standards, orders and requirements issued under Section 508 of the Clean Water Act (33 U.S.C. 1368).

(c) Contractor shall comply with Executive Order 11738 and Environmental Protection Agency regulations (40 CFR Part 15).

(d) 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 (Pub. L. 94-163,89 Stat. 871).

(e) All work created under this Contract shall be owned by the U.S Department of Fish and Wildlife and shall not be subject to copyright protection. The rights to any invention which is developed in the course of this Contract shall be the property of the U.S Department of Fish and Wildlife.
B-48 Compliance with Executive Order 11246, “Equal Employment Opportunity”

During the performance of this Contract, the Contractor agrees as follows:

(a) The Contractor will comply with Executive Order 11246 of September 24, 1965 entitled Equal Employment Opportunity as amended by Executive Order 11375 of October 1967 as supplemented in Department of Labor regulations (41 CFR chapter 60).

(b) 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 insure that applicants are employed and that employees are treated equally during employment, without regard to race, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: employment upgrading, demotion, 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 by the City Setting forth the provisions of this nondiscrimination clause.

(c) 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 consideration for employment without regard to their race, color, religion, sex, or national origin.

(d) 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 by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(e) The Contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(f) In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be cancelled, terminated or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of Sept. 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(g) The Contractor will include 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 No. 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 may be directed by the
Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

(h) The Contractor shall file, and shall cause each of his subcontractors to file, Compliance Reports with the contracting agency or the Secretary of Labor as may be directed. Compliance Reports shall be filed within such times and shall contain such information as to the practices, policies, programs, and employment statistics of the contractor and each subcontractor, and shall be in such form, as the Secretary of Labor may prescribe.

(i) Bidders or prospective contractors or subcontractors may be required to state whether they have participated in any previous contract subject to the provisions of this Order, or any preceding similar Executive order, and in that event to submit, on behalf of themselves and their proposed subcontractors, Compliance Reports prior to or as an initial part of their bid or negotiation of a contract.

(j) Whenever the Contractor or subcontractor has a collective bargaining agreement or other Contract or understanding with a labor union or an agency referring workers or providing or supervising apprenticeship or training for such workers, the Compliance Report shall include such information as to such labor union's or agency's practices and policies affecting compliance as the Secretary of Labor may prescribe: Provided, That to the extent such information is within the exclusive possession of a labor union or an agency referring workers or providing or supervising apprenticeship or training and such labor union or agency shall refuse to furnish such information to the contractor, the contractor shall so certify to the Secretary of Labor as part of its Compliance Report and shall set forth what efforts he has made to obtain such information.

(k) The Secretary of Labor may direct that any bidder or prospective contractor or subcontractor shall submit, as part of his Compliance Report, a statement in writing, signed by an authorized officer or agent on behalf of any labor union or any agency referring workers or providing or supervising apprenticeship or other training, with which the bidder or prospective contractor deals, with supporting information, to the effect that the signer's practices and policies do not discriminate on the grounds of race, color, religion, sex or national origin, and that the signer either will affirmatively cooperate in the implementation of the policy and provisions of this order or that it consents and agrees that recruitment, employment, and the terms and conditions of employment under the proposed contract shall be in accordance with the purposes and provisions of the order. In the event that the union or the agency shall refuse to execute such a statement, the Compliance Report shall so certify and set forth what efforts have been made to secure such a statement and such additional factual material as the Secretary of Labor may require.

(l) The Contractor will cause the foregoing provisions to be inserted in all subcontracts for work covered by this Agreement so that such provisions will be binding upon each subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.
B-49  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 Contract Manager, 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 Contract Manager 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-50  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-51  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 Project Engineer before commencing work on locating, repairing damage to, removing or relocating such utilities.

B-52  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-53 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-54 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-55 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 Contract Manager, Project Manager, and Project Engineer and their duly authorized representatives harmless from loss on account thereof, except that the Contract Manager 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 Contract Manager.

B-56 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 will be supplied by the Refuge Staff for the alleviation or prevention of dust nuisance and the Contractor’s operations shall accommodate.

B-57 Safety

(a) General - The Contractor shall be solely and completely responsible for the conditions of their work, 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 Project 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 Project Engineer or the Contract Manager 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.

(d) 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.

(e) If death or serious injuries or serious damages are caused, the accident shall be reported immediately by telephone or messenger to the Contract Manager and to all authorities the Contractor is required to report to. In addition, the Contractor must promptly report in writing to the Contract Manager 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.

(f) 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 Contract Manager, giving full details of the claim.

(g) All work and materials shall be in strict accordance with all applicable State, Federal and local laws, rules, regulations, and codes.
PART 3 CONDITIONS OF THE CONTRACT

(h) 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.

(i) 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 Contract Manager or their representative, does not relieve the Contractor of their responsibility for all aspects of site safety.

(j) Trenching and Worker Protection - In accordance with Section 6705 of the State Labor Code, the Contractor shall submit to the Contract Manager specific plans to show details of provisions for worker protection from caving ground.

(k) 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 Contract Manager, 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 Contract Manager 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 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 Contract Manager 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 Contract Manager and Contractor.

(l) 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).

(m) The Contractor is solely responsible for safe operation of its equipment and personnel and shall defend, indemnify, and hold harmless the College of the Redwoods, GHD, and the U.S. Fish and Wildlife Service and the agents of each except for the sole active negligence of indemnified parties.
B-58  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 Contract Manager'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 Contract Manager. 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 Contract Manager 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-59  Responsibility for Repair of Facilities

All public or private facilities, including but not limited to 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.

B-60  Resolution of Construction Claims

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

   (i)  All claims must be resolved pursuant to the process set forth in Public Contract Code §9204. In summary, all claims must be in writing and include the documents necessary to substantiate the claim. The Contract Manager will respond to the claim within 45 days of receipt and shall pay within 60 days of receipt any portion not disputed. No later than 10 business days after receiving the Contract Manager’s written response, the claimant may request a meet and confer conference to discuss the Contract Manager’s written response, which shall be held within 30 days after receipt of claimant’s request. If after the meet and confer conference the claim remains in dispute, the parties shall mediate the matter pursuant to Public Contract Code §9204. 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, or alter the provisions contained in Public Contract Code §9204 which shall control claims processing and resolution.

   (ii) The Contractor shall proceed with the work in accordance with the plans and specifications and determinations and instructions of the Contract Manager during the resolution of any claims disputes.

B-61  Contract Manager'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 Contract Manager 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 Contract Manager from claims for payment made by the Contractor for work completed or remaining to be completed.

B-62  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 Contract Manager 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 Contract Manager tenders final payment to the Contractor, without further acknowledgement by the parties.

**B-63 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 Contract Manager and hereby agrees that no default, act, or omission of the Contract Manager or the Project Engineer, except for failure to make progress payments as a required by Section B-72, shall constitute a material breach of the Contract entitling the Contractor to cancel or rescind the provisions of this Contract or (unless the Contract Manager 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-64 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-65 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 Contract Manager 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 Contract Manager 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 Contract Manager 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 Contract Manager. As an alternative to the Contract Manager's forms, the Contractor's insurer may, subject to the approval of the Contract Manager, provide complete, certified copies of all required insurance policies, including endorsements affecting the coverage required by this paragraph. The Contractor agrees to furnish one copy of each policy to the Contract Manager, 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 Contract Manager 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 Contract Manager, Project Manager, and the Project Engineer.

(f) The requirements as to the types, limits, and the Contract Manager'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 Contract Manager may have, if the Contractor or any of the Subcontractors fails to maintain the insurance coverage as required in this Section, the Contract Manager may obtain such insurance coverage as is not being maintained, in form and amount substantially the same as required herein, and the Contract Manager 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 Contract Manager. 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 Contract Manager as a material breach of this contract.

(i) Worker's Compensation and Employer's Liability Insurance: 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.

(ii) Claims Against Contract Manager - 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 Contract Manager under the provisions of the said Acts, or for which compensation is claimed from the Contract Manager, there will be retained 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 Contract Manager 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.

(iii) 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 Contract Manager. At the option of the Contract Manager, 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:

1. Provision or endorsement naming the Humboldt County Resource Conservation District, State Coastal Conservancy of California, GHD, USFWS, Humboldt Bay
National Wildlife Refuge, 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 Contract Manager and Project Engineer and that any other insurance maintained by the Contract Manager and Project Engineer is excess and not contributing insurance with the insurance required hereunder.

2. "Cross Liability" or "Severability of Interest" clause.

3. 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.

4. 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-66, Indemnity and Litigation Costs.

5. 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 Contract Manager, its officers, officials, employees, or volunteers.

6. 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.

**B-66 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 College of the Redwoods, GHD, and the US Fish & Wildlife Service including the Contract Manager, Project Manager, Project Engineer, 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 Subcontractor's 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 Contract
Manager.

(b) In any and all claims against the College of the Redwoods, GHD, and/or the US Fish & Wildlife
Service including the Contract Manager, Project Manager, or the Project Engineer and its
consultants, and each of their officers, employees and agents by any employee of the Contractor,
young 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-67 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 Contract
Manager 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 Contract Manager.

(b) 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.

(c) 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 Project 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 Project Engineer deem an emergency
condition to exist, the Contractor shall immediately do those things and take those steps ordered
by the Project Engineer. The decision of the Project 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.
B-68  No Personal Liability

Representatives of the College of the Redwoods, GHD, and the US Fish & Wildlife Service including Contract Manager, Project Manager, Project Engineer 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-69 Measurement of Quantities

Where the Contract provides for payment on a lump sum price basis, the Contractor shall submit a price breakdown to the Contract Manager immediately after award of the Contract. The price breakdown as agreed upon between the Contractor and the Contract Manager 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 Contract Manager 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 Project Engineer on the basis of measurements taken by the Project 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 Contract Manager 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-70 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 Contract Manager 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-71 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 Contract Manager 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 Contract Manager 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 Contract Manager, as will establish the Contract Manager's title to the material, and
equipment and protect its interest therein, including, applicable insurance. The Project Engineer will within seven (7) days after receipt of each partial payment estimate either recommend payment to the Contract Manager 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 Contract Manager 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-72 Progress Payments

(d) The Contractor is made aware that this contract is funded in whole or in part through an agreement with the State Coastal Conservancy (SCC). The SCC pays in arrears for work completed.

(e) The Contract Manager, Refuge Staff and SCC will review all partial payments upon receipt of an undisputed, properly submitted progress estimate from the Contractor, recommended by the Contract Manager.

(f) 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.

(g) The Contract Manager 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 ninety (90) to one hundred and twenty days (120) days after the date of approval of the progress estimate by the funder, before receiving payment (depending on date submitted).

(h) When, in the judgment of the Project 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.

(i) 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.

(j) The Contract Manager 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 Contract Manager’s payment to Contractor. Failure to make such payments in a timely
fashion may result in the Contract Manager issuing future progress payments by joint check to the Contractor and Subcontractors.

(k) 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-73 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-74 Liens and Stop Notices

The Contractor agrees to keep the work, the site of the Work and all monies held by the Contract Manager 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 Contract Manager 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 Contract Manager to pay all obligations and expenses necessary to satisfy such lien or stop notice. The Contract Manager may withhold such payment unless or until the Contractor, within ten days after demand therefore by the Contract Manager, 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 Contract Manager 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 Contract Manager 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-75 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 Contract Manager in writing, and the Project 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 Contract Manager, 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 Contract Manager will then certify to said final estimate and to the completion of the work, and will file copies thereof with the Contract Manager and the Contractor. The
date of completion shall be the date upon which the Contract Manager makes its formal written acceptance of the work.

B-76 Final Payment

Within ten (10) days after the date of completion, the Contract Manager 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 upon receipt of funding by Contract Manager 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.

B-77 Final Release

Final payment to the Contractor in accordance with the final estimate is contingent upon the Contractor furnishing the Contract Manager with a signed written release of all claims against the Contract Manager 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 Humboldt County Resource Conservation District for all labor, services, equipment and material furnished for the College of the Redwoods Soil Reuse at White Slough: 2020 Transport Services Contract on the ______________. Improvements located at the College of the Redwoods Campus and the White Slough Restoration Project near Loleta, California, and does hereby waive and release the Contract Manager, 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:

<table>
<thead>
<tr>
<th>Notice of disputed claim</th>
<th>Amount of Claim</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>$______________</td>
</tr>
</tbody>
</table>

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-78 Right to Withhold Payments

(a) In addition to all other rights and remedies of the Contract Manager hereunder and by virtue of the law, the Contract Manager 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 Contract Manager from loss on account of:

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

(ii) 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;

(iii) Failure of the Contractor to make payments properly for labor, materials, equipment, or other facilities, or to Subcontractors and/or suppliers;

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

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

(vi) Costs to the Contract Manager resulting from failure of the Contractor to complete the work within the proper time; or

(vii) Damage to work or property.

(viii) Damage to another Contractor.

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

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

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

(b) Whenever the Contract Manager 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 Contract Manager will promptly pay to the Contractor the amount so withheld. When monies are withheld to protect the Contract Manager against claims or liens of mechanics, material men, Subcontractors, etc., the Contract Manager may at its discretion permit the Contractor to deliver a surety bond in terms and amount satisfactory to the Contract Manager, indemnifying the Contract Manager against any loss or expense, and upon acceptance thereof by the Contract Manager, the Contract Manager shall release to the Contractor monies so withheld.

B-79 Waiver of Interest

The Contract Manager shall have no obligation to pay and the Contractor hereby waives the right to recover interest with regard to monies which the Contract Manager is required to withhold by reason of judgment, order, statute or judicial process.
B-80  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 Contract Manager, 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 Contract Manager, to indemnify the Contract Manager against any lien or claim. If any lien or claim remains unsatisfied after all payments are made, the Contractor shall refund to the Contract Manager 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-81  Ownership of Documents and Other Work Products

Documents and work products produced under this agreement shall be the property of the Coastal Conservancy per the requirements of the contract between the Coastal Conservancy and the Contract Manager.
PART 4: TECHNICAL SPECIFICATIONS
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- Section 32 92 19 – Seed and Mulch
PART 1 GENERAL

1.1 WORK COVERED BY CONTRACT DOCUMENTS

A. Description:

1. The work shall include furnishing equipment and staff to excavate soils to lines and grades shown on the plans from the former stadium site at College of the Redwoods, transporting the soil to the White Slough Wetland Enhancement site, and dumping the soil for spreading by US Fish & Wildlife Service staff. The work also includes removal of stumps and debris from the soils to be excavated at the College of the Redwoods site, and hauling off site for appropriate contractor disposal. As an alternative, the contractor may chip stumps and woody debris on site and spread as mulch over the excavated areas. The contractor shall also complete haul route restoration, site stabilization, and installation of temporary and permanent erosion control measures.

2. The Contractor is encouraged to proceed in an orderly and expeditious manner. All work is to be constructed in strict accordance with this contract and subject to the terms and conditions of the Contract.

B. Contractor’s Duties:

1. Except as specifically noted, provide and pay for:

   a. All equipment necessary for the site grading and loading of truck.

   b. Highway legal haul trucks with licensed drivers

   c. Off-site disposal

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

3. Contractor shall obtain all other necessary licenses and comply with them and all other applicable Local, State, and Federal laws and regulations.
a. Secure and pay for, as necessary for proper execution and completion of the work, applicable licenses.

b. Secure and pay for a County Encroachment Permit As Required

c. Prepare and implement a Stormwater Pollution Prevention Plan.

4. Give required notices.

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

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

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

C. Location of Work:

1. The grading and loading of soil will take place at the College of the Redwoods Eureka Campus and unloading will take place at the Humboldt Bay National Wildlife Refuge White Slough Site. See the plan set for additional details.

D. Contract Description

1. All Work is contained in this Contract. It will be the Contractor’s responsibility to coordinate their hauling with College of the Redwoods and Refuge Staff.

E. Project Completion

1. Soil transport for this project will occur between August 1, 2020 and September 30, 2020.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION - Not Used

END OF SECTION
PART 1 GENERAL

1.1 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 Section 33 of the General Conditions for special provisions related to progress payments and payment schedule to the contractor.

1.2 MATERIALS

A. The measurement and payment items are listed below:

1. The payments to the Contractor are based on the following items. 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 Drawings and described in the Specifications. The bid amounts shall be for complete in place installations.

BASE BID SCHEDULE

Item 1 – Mobilization/Demobilization
Measurement for this item shall be on a lump sum basis. This Work covers all Contractor costs and effort associated with mobilizing equipment, materials, and labor to the project site as well as demobilization. Items covered by this include, but are not limited to, bonds, insurance, contracting and administrative costs, permitting and permit compliance costs, costs associated with temporary facilities, haul road and site preparation, traffic control at the College of the Redwoods site, storage areas, temporary utilities, punch list items, and project maintenance and warranty.

When 10 percent of the total original Contract amount is earned from bid items, excluding amounts paid for materials on hand, 90 percent of the amount of the bid price for mobilization, or 10 percent of the total Contract amount, whichever is least, will be paid for mobilization. Upon completion of all Work on the project, payment of the balance of the bid amount for mobilization will be paid.

Item 2 – SWPPP and Erosion Control
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 providing planning, execution, monitoring, and management of applicable water pollution control best management practices as required by the Regional Water Quality Control Board, the Project Storm Water Pollution Prevention Plan (SWPPP), and local jurisdiction for the Contractor’s Operations. This Work covers all Contractor costs and effort associated with
preparing and managing the SWPPP, providing water pollution control measures including, but not limited to, erosion and sediment control measures such as silt fences, fiber rolls and check dams as well as the ongoing maintenance throughout construction. Final site restoration and hydroseeding of all disturbed areas is covered under a separate bid item.

Item 3 – Excavation, Hauling, Dumping
Measurement for this item shall be on an in situ yardage basis. In situ yardage shall be determined based on the difference between the preconstruction survey and post construction survey of the excavation area. Payment shall include full compensation for all materials, labor, equipment, and supervision necessary to complete the necessary project site earthwork and hauling. Items covered by this include, but are not limited to, utility locating, pre and post construction survey by a California licensed surveyor, excavation and grading at the College of the Redwoods site, loading of haul trucks, dust control, hauling and dumping at the White Slough site and other work necessary to complete the earthwork at the College of the Redwoods site.

Item 4 – Woody and Other Debris Removal and Offsite Disposal
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 clear and grub the site within the clearing limits shown, removal of all stumps and woody debris encountered, and removal of other deleterious materials encountered. This item also includes removal of oversized woody debris or deleterious materials from soil hauled to the White Slough site. This item also includes the offsite hauling and disposal of woody debris and deleterious materials. This item also includes the optional on site chipping and spreading of woody materials for contractor’s convenience.

Item 5 – Final Site Cleanup, Restoration, Straw Wattles, and Hydroseeding
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 furnish hydroseeding supplies and equipment and hydroseed all disturbed areas. This item also includes installation of straw wattles along cut slopes. In addition this item includes the installation of the retention pond outlet culvert. Furthermore, this item includes all final site cleanup and restoration. Site restoration includes blading, application of gravel, and recompaction of all haul roads, and restoration of any damaged areas. Final site cleanup and removal and disposal of excess woody debris and deleterious materials is also included.

END OF SECTION
SECTION 01 30 00

ADMINISTRATIVE REQUIREMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Coordination and project conditions.

B. Field engineering.

C. Preconstruction meeting.

D. Progress meetings.

E. Pre-installation meetings.

F. Cutting and patching.

G. Special procedures.

1.2 COORDINATION AND PROJECT CONDITIONS

A. Coordinate scheduling, submittals, and Work of various sections of Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements.

B. Verify utility requirements and characteristics of operating piping infrastructure are compatible with new piping. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, new facilities.

C. Investigate utility locations in the vicinity of the work. Contact utility providers and verify the type, size, and location of utilities. Conduct field location methods such as ground penetrating radar and potholing to locate utilities that may be in conflict with the work or that are to be connected to. Relocate utilities that conflict.

D. Coordinate completion and clean-up of Work of separate sections in preparation for Substantial Completion.

E. After Owner acceptance of work, coordinate access to site for correction of defective Work and Work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

1.3 OPERATING SCHEDULE

A. The Contractor shall be permitted to dump sediment at White Slough on Monday through Friday 7:00 A.M. to 5:00 P.M. excluding federal holidays
B. The Contractor shall inform the refuge project manager by 1:00 P.M. on each Friday about anticipated soil delivery schedule for the following week. The schedule should specify anticipated delivered soil volume, and rate of delivery (e.g. trucks per day).

C. The Contractor may request permission from the refuge project manager to access White Slough on Saturdays and/or Sundays. Requests should be made at least one week in advance. Contractor shall not assume that permission will be given.

D. The Contractor shall limit soil delivery to maximum of 2,000 cubic yards per day unless prior permission to exceed this limit is given by the refuge project manager.

1.4 FIELD ENGINEERING

A. Employ Land Surveyor registered in California as may be required for laying out the improvements and verify quantities.

B. Locate and protect survey control and reference points. Promptly notify Project Engineer of discrepancies discovered.

C. Provide control datum for survey in the vicinity of the work.

D. Verify set-backs and easements; confirm drawing dimensions and elevations.

E. Provide field engineering services. Establish elevations, lines, and levels, utilizing recognized engineering survey practices.

F. Submit copy of site drawing and certificate signed by Land Surveyor certifying elevations and locations of the Work are in conformance with Contract Documents.

G. Provide pre-construction and post construction topographic survey in an AutoCAD drawing at the completion of the project. Contractor to calculate in-situ volume removed and provide calculations for verification.

H. Maintain complete and accurate log of control and survey work as Work progresses.

I. Protect survey control points prior to starting site work; preserve permanent reference points during construction.

J. Promptly report to Project Engineer loss or destruction of reference point or relocation required because of changes in grades or other reasons.

K. Replace dislocated survey control points based on original survey control. Make no changes without prior written notice to Project Engineer.

1.5 PRECONSTRUCTION MEETING

A. Project Engineer will schedule meeting after Notice of Award.
B. Attendance Required: Owner, Refuge Project Manager, Project Engineer, Contractor and major subcontractors.

C. Agenda Example:

1. Distribution of Contract Documents.
2. Submission of list of Subcontractors, schedule of values, and progress schedule.
4. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders, and Contract closeout procedures.
5. Scheduling.
6. Use of premises by Owner and Contractor.
7. Owner's requirements.
8. Construction facilities and controls provided by Owner.
9. Temporary utilities provided by Owner.
10. Testing (provided by contractor)
11. Survey (provided by contractor).
13. Site Safety (responsibility of contractor)
15. Procedures for testing.
17. Requirements for start-up of equipment.

D. Record minutes and distribute copies within two working days after meeting to participants, with two copies to Project Engineer, Owner, Refuge Project Manager, and those affected by decisions made.

1.6 PROGRESS MEETINGS

A. Schedule and administer meetings throughout progress of the Work at maximum of bi-monthly intervals.
B. Make arrangements for meetings, prepare agenda with copies for participants, and preside at meetings.

C. Attendance Required: Refuge Project Manager, Owner job superintendent, major subcontractors and suppliers, Project Engineer as appropriate to agenda topics for each meeting.

D. Agenda Example:
   1. Review minutes of previous meetings.
   2. Review of Work progress.
   3. Field observations, problems, and decisions.
   4. Identification of problems impeding planned progress.
   5. Review of submittals schedule and status of submittals.
   6. Review of off-site fabrication and delivery schedules.
   7. Maintenance of progress schedule.
   8. Corrective measures to regain projected schedules.
   9. Planned progress during succeeding work period.
   10. Coordination of projected progress.
   11. Maintenance of quality and work standards.
   12. Effect of proposed changes on progress schedule and coordination.
   13. Other business relating to Work.

E. Record minutes and distribute copies within two working days after meeting to participants, with two copies to Project Engineer, Owner, and those affected by decisions made.

1.7 PRE-INSTALLATION MEETINGS

A. When required in individual specification sections or as directed by the Project Engineer, convene pre-installation meetings at Project site prior to commencing work of specific section or direction.

B. Require attendance of parties directly affecting, or affected by, Work of specific section.

C. Notify Project Engineer four working days in advance of meeting date.

D. Prepare agenda and preside at meeting:
1. Review conditions of installation, preparation and installation procedures.

2. Review coordination with related work.

E. Record minutes and distribute copies within two working days after meeting to participants, with two copies to Project Engineer, Owner, and those affected by decisions made.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION – Not Used

END OF SECTION
SECTION 01 32 00
CONSTRUCTION PROGRESS DOCUMENTATION

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. All components of the Contract Documents apply to this section including but not limited to drawings and provisions of the Contract, including Mandatory Contract Provisions, General Provisions, Special Provisions, General Requirements and Technical Specifications.

1.2 MEASUREMENT AND PAYMENT

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

1.3 SUMMARY

A. This Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:
   1. Contractor's Construction Schedule.
   2. Weekly construction reports.

B. Related Sections in General Requirements: All technical specification sections in the General Requirements (01 10 00 through 01 78 10) support work in this specification and should be referenced and considered and integrated and supporting document during the execution of this work.

1.4 DEFINITIONS

A. Activity: A discrete part of a project that can be identified for planning, scheduling, monitoring, and controlling the construction project. Activities included in a construction schedule consume time and resources. Predecessor activity is an activity that must be completed before a given activity can be started.

B. Event: The starting or ending point of an activity.

C. Float: The measure of leeway in starting and completing an activity.
   1. Float time belongs to Contract Manager.
2. Free float is the amount of time an activity can be delayed without adversely affecting the early start of the following activity.

3. Total float is the measure of leeway in starting or completing an activity without adversely affecting the planned Project completion date.

D. Milestone: A key or critical point in time for reference or measurement.

1.5 SUBMITTALS

A. Submittals shall comply with the requirements of Section 01 33 00 Submittal Procedures including providing a Submittals Schedule: Submit five (1) electronic copy of the schedule. Arrange the following information in a tabular format:

1. Specification Section number and title.

2. 

3. Name of subcontractor.

4. Description of the Work covered.

B. Contractor’s Construction Schedule:

1. Submit five (1) electronic copy of initial schedule.

1.6 COORDINATION

A. Coordinate preparation and processing of schedules and reports with performance of construction activities and with scheduling and reporting of separate subcontractors.

PART 2 PRODUCTS

2.1 SUBMITTALS SCHEDULE

A. Submittals shall be provided in accordance with the requirements and guidelines of Technical Specification Section 01 33 00 Submittal Procedures.

2.2 CONTRACTOR'S CONSTRUCTION SCHEDULE, GENERAL

A. Time Frame: Extend schedule from date established for the Notice to Proceed to date of Final Completion. Contract completion date shall not be changed by submission of a schedule that shows an early or late completion date, unless specifically authorized by Change Order.

2.3 REPORTS
A. Weekly Construction Reports: Contractor shall prepare a weekly construction report recording the following information concerning events at Project site:

1. Site safety concerns or accidents.
2. List of subcontractors at Project site.
3. Approximate count of contractor’s personnel at Project site.
4. High and low temperatures and general weather conditions.
5. Meetings and significant decisions.
6. Unusual events (refer to special reports).
7. Stoppages, delays, shortages, and losses.
8. Emergency procedures.
9. Orders and requests of authorities having jurisdiction.
10. Change Orders received and implemented.
11. Construction Change Directives received.
12. Equipment on site

PART 3 EXECUTION

3.1 CONTRACTOR’S CONSTRUCTION SCHEDULE

A. Contractor’s Construction Schedule Updating: At weekly intervals, update the schedule to reflect actual construction progress and activities. Issue schedule one (1) calendar day BEFORE each regularly scheduled progress meeting.

1. Revise schedule immediately after each meeting or other activity where revisions have been recognized or made. Issue the updated schedule concurrently with the report of each such meeting.
2. Include a report with updated schedule that indicates every change, including, but not limited to, changes in logic, duration, actual starts and finishes, and activity duration.
3. As the Work progresses, indicate Actual Completion percentage for each activity.

END OF SECTION
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PART 1 GENERAL

1.1 SECTION INCLUDES

1.2 SUBMITTAL PROCEDURES
   A. Transmit each submittal with Project Engineer accepted form.
   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 Project Engineer. Coordinate submission of related items.
   F. For each submittal for review, allow 15 working 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. Allow space on submittals for Contractor and Project Engineer review stamps.
   I. When revised for resubmission, identify changes made since previous submission.
   J. Distribute copies of reviewed submittals as appropriate. Instruct parties to promptly report inability to comply with requirements.
   K. Submittals not requested will not be recognized or processed.

1.3 REQUIRED SUBMITTALS TO BE PROVIDED
   A. Contractor to provide the following submittals:
      1. Construction Schedule
      2. Traffic Control Plan
      3. Spill Prevention Plan
      4. Stormwater Pollution Prevention Plan (SWPPP)
      5. Dust Prevention Plan
      6. Land Surveyor Qualification Submittal
7. Landfill Receipts and Disposal Site Authorization
8. Certified Pre-Construction and Post Construction Topographic Survey and volume calculations
9. Disposal Plan
10. Seed and Mulch Submittal

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION - Not Used

END OF SECTION
SECTION 01 50 00

TEMPORARY FACILITIES AND CONTROLS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Temporary Utilities:
   1. Temporary electricity.
   2. Temporary lighting for construction purposes.
   3. Temporary cooling.
   4. Temporary ventilation.
   5. Temporary water for construction/dust control.
   6. Temporary sanitary facilities.

B. Construction Facilities:
   1. Vehicular access.
   2. Parking.
   3. Progress cleaning and waste removal.
   4. Project identification.
   5. Traffic regulation.
   6. Fire prevention facilities.

C. Temporary Controls:
   1. Barriers.
   3. Water control.
   4. Dust control.
   5. Erosion and sediment control.
   6. Noise control.
   7. Pest control.
8. Pollution control.

9. Rodent control.

D. Removal of utilities, facilities, and controls.

1.2 TEMPORARY ELECTRICITY

A. Provide and pay for power service required from utility source or from portable generators as needed for construction operation.

B. Provide temporary electric feeder from existing electrical service if required. Coordinate location with the Project Engineer. Do not disrupt Owner's use of service.

C. Complement existing power service capacity and characteristics as required for construction operations.

D. Provide power outlets, with branch wiring and distribution boxes located as required for construction operations. Provide flexible power cords as required for portable construction tools and equipment.

E. Provide main service disconnect and over-current protection at convenient location.

F. Contractor to coordinate with District for convenience receptacles that may be required during construction.

1.3 TEMPORARY LIGHTING FOR CONSTRUCTION PURPOSES

A. Provide and maintain temporary lighting for construction operations as may be needed to achieve minimum lighting level of 2 watt/sq ft.

B. Provide and maintain 1 watt/sq ft lighting to exterior staging and storage areas after dark for security purposes.

C. Provide and maintain 0.25 watt/sq ft HID lighting to interior work areas after dark for security purposes if applicable.

D. Provide branch wiring from power source to distribution boxes with lighting conductors, pigtails, and lamps for specified lighting levels.

E. Maintain lighting and provide routine repairs.

F. Permanent building lighting may be utilized during construction.

1.4 TEMPORARY COOLING

A. Provide and pay for cooling devices and cooling as needed to maintain specified conditions for construction operations if applicable.
B. Prior to operation of permanent equipment for temporary cooling purposes, verify installation is approved for operation, equipment is lubricated and filters are in place. Provide and pay for operation, maintenance, and regular replacement of filters and worn or consumed parts.

C. Maintain maximum ambient temperature of 80 degrees F in areas where construction is in progress, unless indicated otherwise in specifications if applicable.

1.5 TEMPORARY VENTILATION

A. Ventilate enclosed areas to achieve curing of materials, to dissipate humidity, and to prevent accumulation of dust, fumes, vapors, or gases if applicable.

1.6 TEMPORARY WATER FOR CONSTRUCTION/DUST CONTROL

A. The Contractor water may use water from College of the Redwoods for construction operations including as needed for compaction, dust control, etc. Coordinate hydrants to be used with the Project Engineer.

B. The Contractor shall provide backflow preventer, or appropriate air gap, piping, fittings as required while filling water trucks.

C. The contractor shall coordinate with the Project Engineer prior to using the College water system to fill temporary storage or water trucks, to minimize impact to campus activities.

1.7 TEMPORARY SANITARY FACILITIES

A. Provide and maintain required facilities and enclosures. Existing facility use is not permitted. Provide facilities at time of project mobilization.

1.8 VEHICULAR ACCESS

A. The contractor is to use the main haul road as shown on the plans. Other campus roads may not be used for hauling. The contractor may widen and improve the access road as may be desired for contractor’s convenience.

B. Construct temporary bridges and culverts to span low areas and allow unimpeded drainage if required.

C. Extend and relocate vehicular access as Work progress requires, provide detours as necessary for unimpeded traffic flow if required.

D. Location approved by Project Engineer.

E. Provide unimpeded access for emergency vehicles. Maintain 20 feet wide driveways with turning space between and around combustible materials.

F. Provide means of removing mud from vehicle wheels before entering streets. Comply with any other requirements of project permits.
1.9 PARKING

A. Locate as approved by Project Engineer.

B. When site space is not adequate, provide additional off-site parking.

C. Tracked vehicles not allowed on paved areas.

D. Do not allow heavy vehicles or construction equipment in parking areas.

E. Permanent Pavements and Parking Facilities:
   1. Prior to Substantial Completion, bases for permanent roads and parking areas may be used for construction traffic.
   2. Avoid traffic loading beyond paving design capacity. Tracked vehicles not allowed.

F. Maintenance:
   1. Maintain traffic and parking areas in sound condition free of excavated material, construction equipment, products, and mud
   2. Maintain existing and permanent paved areas used for construction; promptly repair breaks, potholes, low areas, standing water, and other deficiencies, to maintain paving and drainage in original, or specified, condition.

G. Removal, Repair:
   1. Remove temporary materials and construction at Substantial Completion.
   2. Remove underground work and compacted materials to depth of 2 feet; fill and grade site as specified.
   3. Repair facilities damaged by use, to specified condition.

1.10 PROGRESS CLEANING AND WASTE REMOVAL

A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in clean and orderly condition.

B. Remove debris and rubbish from work areas.

C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.

D. Collect and remove waste materials, debris, and rubbish from site weekly and dispose off-site.

E. Free-fall chutes are not permitted. Terminate closed chutes into appropriate containers with lids if applicable.
F. And restore area.

1.11 TRAFFIC REGULATION

A. Haul Routes:
   1. Consult with authority having jurisdiction, establish public thoroughfares to be used for haul routes and site access.
   2. Confine construction traffic to designated haul routes.
   3. Provide traffic control at critical areas of haul routes to regulate traffic, to minimize interference with public traffic.

B. Traffic Signs And Signals:
   1. Provide signs at approaches to the College of the Redwoods site and on site, at crossroads, detours, parking areas, and elsewhere as needed to direct construction and affected public traffic.
   2. Provide, operate, and maintain traffic control signals to direct and maintain orderly flow of traffic in areas under Contractor's control, and areas affected by Contractor's operations.
   3. Relocate as Work progresses, to maintain effective traffic control.
   4. See typical traffic control requirements within the design set.

C. Removal:
   1. Remove equipment and devices when no longer required.
   2. Repair damage caused by installation.
   3. Remove post settings to depth of 2 feet.

1.12 FIRE PREVENTION FACILITIES

A. Prohibit smoking within buildings under construction. Designate area on site where smoking is permitted. Provide approved ashtrays in designated smoking areas.

B. Establish fire watch for cutting and welding and other hazardous operations capable of starting fires. Maintain fire watch before, during, and after hazardous operations until threat of fire does not exist.

C. Portable Fire Extinguishers: NFPA 10; 10 pound capacity, 4A-60B: C UL rating.
   1. Provide one fire extinguisher at each stair on each floor of buildings under construction if applicable.
2. Provide minimum one fire extinguisher in every construction trailer and storage shed.

3. Provide minimum one fire extinguisher on roof during roofing operations using heat producing equipment if applicable.

4. Provide minimum one fire extinguisher in every piece of construction equipment or service truck.

1.13 BARRIERS

A. Provide barriers to prevent unauthorized entry to construction areas and to protect existing facilities and adjacent properties from damage from construction operations and demolition.

B. Keep the public and other unauthorized personnel away from trenches and other excavations. Cover excavations with plates when not managed by contractor’s personnel. Provide other types of barriers as needed to control construction areas.

C. Provide protection for plants designated to remain. Replace damaged plants.

1.14 SECURITY

A. Security Program:

1. Protect Work and existing premises from theft, vandalism, and unauthorized entry.

2. Initiate program at project mobilization.

3. Maintain program throughout construction period until Owner occupancy.

B. Entry Control:

1. Restrict entrance of persons and vehicles into Project site.

2. Prepare list of authorized persons and allow entrance only to authorized persons.

3. Maintain log of visitors, make available to Owner on request.

1.15 WATER CONTROL

A. Grade site to drain. Maintain excavations free of water. Provide, operate, and maintain pumping equipment.

B. Protect site from puddling or running water. Provide water barriers as required to protect site from soil erosion.
1.16 DUST CONTROL
   A. Execute Work by methods to minimize raising dust from construction operations.
   B. Provide positive means to prevent air-borne dust from dispersing into atmosphere including water and containment.

1.17 EROSION AND SEDIMENT CONTROL
   A. Prepare and implement a Stormwater Pollution Prevention Plan (SWPPP) per specifications.
   B. Plan and execute construction by methods to control surface drainage from cuts and fills, from borrow and waste disposal areas. Prevent erosion and sedimentation.
   C. Minimize surface area of bare soil exposed at one time. Provide straw mulch, coir rolls, silt fences, and other means of controlling runoff and erosion.
   D. Provide temporary measures including berms, dikes, and drains, and other devices to prevent water flow.
   E. Construct fill and waste areas by selective placement to avoid erosive surface silts or clays.
   F. Periodically inspect earthwork to detect evidence of erosion and sedimentation; promptly apply corrective measures.

1.18 NOISE CONTROL
   A. Provide methods, means, and facilities to minimize noise produced by construction operations.

1.19 PEST CONTROL
   A. Provide methods, means, and facilities to prevent pests and insects from damaging the Work.

1.20 POLLUTION CONTROL
   A. Implement approved pollution control measures as detailed in the Project Environmental Protection Plan if applicable.
   B. Provide methods, means, and facilities to prevent contamination of soil, water, and atmosphere from discharge of noxious, toxic substances, and pollutants produced by construction operations.
   C. Comply with pollution and environmental control requirements of authorities having jurisdiction.
   D. Do not dispose of volatile wastes or oils in storm or sanitary drains or on the ground.
E. Do not allow waste materials to be washed into streams or bodies of water.

1.21 RODENT CONTROL

A. Provide methods, means, and facilities to prevent rodents from accessing or invading premises, which may include but is not limited to hiring a licensed pest control contractor certified for work on schools if a problem develops.

1.22 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

A. Remove temporary utilities, equipment, facilities, materials, prior to Substantial Completion inspection.

B. Remove underground installations to minimum depth of 2 feet. Grade site as indicated on Drawings.

C. Clean and repair damage caused by installation or use of temporary work.

D. Restore existing and permanent facilities used during construction to original condition. Restore permanent facilities used during construction to specified condition.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION - Not Used

END OF SECTION
Humboldt County Resource Conservation District
College of the Redwoods Soil Reuse at White Slough

SECTION 01 55 50
TEMPORARY TRAFFIC CONTROL SYSTEMS

PART 1 GENERAL

1.1 THE REQUIREMENT

A. The Contractor shall provide all materials, equipment, and labor necessary to furnish, place, and maintain all temporary traffic control systems at the entrance to the College of the Redwoods site, including construction and maintenance area traffic control devices and flaggers as required to perform the Work in accordance with this Section, and all other appurtenant Work, complete in place, as shown on the Contract Drawings and as specified herein.

B. The Contractor is responsible for obtaining all traffic and encroachment permits related to the delivery and hauling of construction equipment and materials, and traffic control measures and devices to access the College of the Redwoods site. The US Fish & Wildlife Service is responsible for encroachment permits and traffic control at the White Slough site. The contractor must follow all pertinent state and local requirements for transporting large vehicles and equipment to the project site.

C. The Contractor is responsible for temporary placement, maintenance and removal of temporary traffic control devices and signs in accordance to these plans and the approved traffic management plan. If signs are placed in the county right-of-way (row), the contractor shall be responsible for applying for and securing the necessary encroachment permit(s) and paying all associated fees. If signs are to be placed on private property, the contractor shall receive permission from the Project Engineer and property owner prior to placement.

D. The Contractor will be responsible for repair of any damage to roads resulting from the construction ingress/egress and hauling activity. The post-project condition shall meet or exceed pre-project conditions and, if necessary, be repaired to the satisfaction of the Project Engineer at Contractors expense.

E. The USFWS has been issued and encroachment permit form Caltrans for ingress/egress to the White Slough Wetland Enhancement Project Site. Prior to hauling, the USFWS will install traffic control measures/signs per the encroachment permit and the contractor shall comply such measures.

F. Work Specified in this Section

1. Review of proposed Work areas to determine temporary traffic control requirements.

2. Verification of temporary traffic controls with the Project Engineer prior to implementation.

3. Maintenance of traffic control during the Work.

4. Monitoring traffic control during the Work to determine necessary changes required to maintain adequacy.

5. Maintenance of traffic control during non-work hours to maintain adequacy.

1.2 MEASUREMENT AND PAYMENT
   A. Refer to Section 01 15 00 - Measurement and Payment.

1.2 REFERENCE SPECIFICATIONS, CODES, AND STANDARDS
   A. General Provisions, section 40-05 Maintenance of Traffic.
   B. Humboldt County and Caltrans Encroachment Permit Requirements.
   C. State of California, Department of Transportation (Caltrans) Specifications and Standards
      1. Standard Specifications
         a. Section 7 Legal Relations and Responsibility
         b. Section 12 Construction Area Traffic Control Devices
      3. The USFWS has been issued an encroachment permit form Caltrans for ingress/egress to the White Slough Wetland Enhancement Project Site. Prior to hauling, the USFWS will install traffic control measures/signs per the encroachment permit and the contractor shall comply such measures.
   D. Commercial Standards
      1. State of California, Division of Industrial Safety, Department of Industrial Relations.
      2. Safety Orders of the Division of Industrial Safety, Department of Industrial Relations of the State of California, current edition.

1.3 SUBMITTALS
   A. In addition to the submittal requirements of Section 01 33 00 “Submittal Procedures,” the Contractor shall provide the following at least ten (10) working days prior to any work in or on public roadways or private right-of-ways and shall meet with the approval of the Project Engineer:
      1. Prior to receiving a notice to proceed, the contractor shall provide a Traffic Control Plan for review and approval by the Project Engineer, Contract Manager, and the County Department of Public Works as applicable. The Traffic Control Plan shall conform to the provisions on the plans, these specifications, the County encroachment permit provisions and shall be a living document, subject to modification and updated as project conditions change. If changes are made to the traffic plan, Contractor shall submit and allow 10 working days for plan review and approval by the Project Engineer and the county. The traffic plan shall be specific to the proposed activities that will occur on the existing roads:
         a. Traffic plan shall be developed and implemented in accordance to the latest edition of the California manual on uniform traffic control devices (MUTCD) and all other pertinent state and local requirements. The traffic plan shall include, but is not limited to, the proposed average daily traffic (ADT), duration of work, haul routes, sign placement, and frequency of on-site meetings to be performed to review and update the traffic plan.
b. Specific details for construction staging, including the location and limits of the work zone. The Contractor is responsible for installing temporary signs with respect to their work and add any additional signs as necessary and in accordance to the plans.

c. Locations of all encroachments and excavations.

d. Plans for protection of the public from construction-related hazards.

e. Lane closures and traffic routing including consideration of construction-related trucking routes.

f. Lane closure markings, barricade locations, and sign locations showing the necessary signing, methods of delineation and channelization and reference to the appropriate Caltrans standards and California MUTCD details for all affected roads.

g. Dimensions of lanes affected by traffic control that will be open to traffic.

h. Dimensions and locations of signs and cone tapers.

i. Identification of side streets and driveways affected by construction and show how they will be handled.

j. Detail of how public transit will be handled through the construction area.

k. Time periods of lane closures and detours.

2. No work except for installation of project identification signs will be allowed to commence prior to approval of the Traffic Control Plan.

3. A "Letter of Responsibility," on company letterhead, indicating the names and telephone numbers of at least three different persons who shall be available to be contacted in case of emergency at any time during the life of the contract. Said persons must have decision-making authority within the company.

PART 2 PRODUCTS

2.1 GENERAL

A. All construction area stationary and portable sign panels, lights, barricades, and traffic control devices shall be the product of a commercial sign or safety device manufacturer conforming to the requirements of Section 12, "Construction Area Traffic Control Devices," of the Caltrans Standard Specifications, unless otherwise specified in this Section, shown on the Drawings, and/or as directed by the Project Engineer.

PART 3 EXECUTION

3.1 GENERAL

A. No work shall commence until the Traffic Control Plan, including traffic control signing, has been approved by the Project Engineer.
B. The Contractor shall take all necessary precautions for the protection of the Work and the safety of its employees and the public. Traffic shall be maintained through the construction or maintenance zone in accordance with Sections 7-1.08, 7-1.09 and 12 of the Caltrans Standard Specifications and Section 01 10 00 - Summary of Work.

C. Field changes to traffic control plans shall be approved by the Project Engineer and Contract Manager prior to installation.

D. The Contractor shall provide all appropriate traffic control measures in accordance with this Section prior to start of construction in the public right-of-way or in any area adjacent to the street right-of-way where public safety is affected.

E. All construction area signs, lights, barricades, and traffic control devices shall be furnished, installed, maintained, and removed in conformance with the latest edition of the California MUTCD. Additional or alternate signs may only be used when specifically authorized by the Project Engineer.

F. The Contractor shall monitor traffic and safety conditions and maintain adequate traffic control measures during both work and non-work hours in order to maintain compliance with the requirements of this Section.

G. If a hazardous condition is observed and the Project Engineer notifies the Contractor either directly or by telephone, the Contractor shall correct the condition immediately. If the Contractor fails to correct the hazardous condition immediately, the Contract Manager reserves the right to call in a local contractor to perform the necessary work needed to improve public safety. The cost incurred shall be billed to the Contractor. Should the Project Engineer point out any inadequacy of warning and protective measures, such action on the part of the Project Engineer shall not relieve the Contractor from responsibility for public safety nor abrogate his obligation to furnish and pay for these devices.

H. All construction area signs, lights, barricades, and temporary traffic control devices shall be completely removed from the roadway when not in use. Locations and methods of storing traffic control equipment adjacent to the roadway between interrupted use shall require prior approval of the Project Engineer.

I. Unless noted otherwise on the plans, the Contractor shall completely remove all temporary signs, striping and/or delineators and restore the pavement, as necessary, upon removal or relocation of any temporary traffic controls or detours constructed as part of the Work.

J. Temporary traffic control measures shall be in effect only during work hours. Normal traffic routing shall be reestablished at the end of each workday.

K. Contractor shall conduct his operation as to offer the least possible obstruction and inconvenience to the public, and he shall have under construction no greater amount of work than he can prosecute properly with due respect to the rights of the public. Contractor shall provide personal advance notice to each affected resident or business informing him of impending work and provide ample time to remove vehicles and estimated time of driveway closure. This shall be accomplished by delivering a notice to all houses or businesses to be affected by the impending work. The notice shall be typed and signed by the contractor or his designated superintendent. The format and contents of the notice shall be approved by the Project Engineer prior to commencement of the Work.

L. Construction operations shall be conducted in such a manner as to cause as little inconvenience as possible to abutting property owners. Convenient access to driveways, houses, and buildings
along the line of the work shall be maintained and temporary approaches to crossings or intersecting roads shall be provided and kept in good condition.

M. Whenever the Contractor's operations create a condition hazardous to the public, furnish, erect, and maintain such fences, barricades, lights, signs and other devices as are necessary to prevent accidents or damage or injury to the public.

N. Should the Contractor appear to be neglectful or negligent in furnishing warning and productive measures as above specified, the Project Engineer may direct attention to the existence of hazard, and the necessary warning and protective measures shall be furnished and installed by the Contractor at his expense, without cost to HCRCD. Should the Project Engineer point out any inadequacy of warning and protective measures, such action on the part of the Project Engineer shall not relieve the Contractor from responsibility for public safety nor abrogate his obligation to furnish and pay for these devices.

O. Under no circumstances shall access to businesses or residences be held up more than fifteen (15) minutes at any one time. The Contractor may coordinate with property and business owners to schedule work so that longer delays do not adversely affect residents or business owners to their satisfaction. In addition, Contractor shall give personal notice to all affected property owners as specified in paragraph M, hereinbefore. Before closing any street to through traffic, Contractor shall obtain prior approval from the Project Engineer seven (7) calendar days in advance of closure. Contractor shall at all times provide access to public facilities such as schools, etc. and make provisions for passage of emergency vehicles.

P. Contractor shall maintain vehicular access to private driveways adjoining the site all stages of the work. Vehicle delays shall be no longer than five minutes. Delays longer than five minutes must be approved by the Project Engineer.

Q. The Contractor shall keep the applicable Fire Department informed regarding the closure of any traveled way. At a minimum, the Contractor shall call the Fire Department, daily to report any traveled way closure. This requirement applies immediately upon closure for that day and again immediately after removal of the closure. For closures over multiple days, the daily notification still applies. This requirement does not apply for single lane closures on multiple lane local streets.

R. Contractor is responsible for ensuring that their haul truck drivers work in a manner that minimizes tracking.

S. The Contractor and its haul truck drivers shall follow all directions given by the Refuge Project Manager, Refuge Project Engineer, or Refuge Inspector intended to minimize tracking. Failure of any operator to follow these directions will result in the operator being barred from White Slough. The contractor is solely responsible for any costs incurred due to its operators not following direction given by the Refuge Project Manager, Refuge Project Engineer, or Refuge Inspector.

T. The Refuge Project Manager or Refuge Project Engineer may close operations at White Slough if they determine that rain, fog, heat, wind, or other weather conditions create unsuitable road conditions or other site conditions that will result in unacceptable tire tracking or dust generation. The Refuge and its agents are not responsible for any delays or other contractor's costs resulting from unsuitable weather conditions

3.2 USE OF COUNTY RIGHT OF WAY AND PUBLIC ROADS

A. Traffic speeds on Tompkins Hill Rd shall be limited to 25 miles per hour or less.
B. The contractor will be responsible for repair of any damage to roads resulting from the construction activities. The post-project road conditions shall meet or exceed pre-project conditions and, if necessary, be repaired to the satisfaction of the Project Engineer and Contract Manager at contractor's expense. The Project Engineer will video document the roads within the project area prior to commencement.

C. Site visibility must be maintained at each road entrance in conformance with county code.

D. Temporary lane closure traffic control to be consistent w/ lane closure for low volume, two lane roads per current edition of Caltrans manual of traffic controls and in conformance with the project specifications.

E. Trucks leaving the Work Area shall have tires free of sediment to prevent/minimize sediment from being tracked onto public roadways.

F. All public roads impacted by the construction activities shall be cleared of all sediment and debris on a daily basis or as directed by the Project Engineer.

G. All active construction areas, application areas and roads shall be watered at a rate sufficient to keep soil moist and prevent formation of wind-blown dust.

H. All trucks hauling soil, sand, AC pavement grindings, vegetation debris, and other loose materials shall be covered, or all trucks shall be required to maintain at least 2 feet of freeboard, or shall have adequate moisture content to prevent dust, or utilize some other methods that prevents generation of fugitive dust.

I. Private driveways shall not be used at any time during construction.

END OF SECTION
PART 1  GENERAL

1.1  SUMMARY

   A.  Section includes: Permit Compliance, Spill Prevention, Dust Control, Tire Tracking Prevention

1.2  RELATED SECTIONS

   A.  Section 31 25 13 – Erosion Controls
   B.  Section 31 10 13 – Demolition, Debris Disposal, and Salvage
   C.  Section 31 11 00 – Clearing and Grubbing
   D.  Section 31 20 00 – Earthwork

1.3  MEASUREMENT AND PAYMENT

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

1.4  SUBMITTAL REQUIREMENTS

   A.  Submit in accordance with Section 01 33 00 – Submittal Procedures.
   B.  Spill Prevention and Response Plan:

       1.  Prior to beginning of work and within five (5) working days after date of the Notice to Proceed, the Contractor shall prepare and submit for approval by the Project Engineer, a Spill Prevention and Response Plan to regulate the use of hazardous and toxic materials, such as fuels and lubricants for construction equipment. The Project Engineer will review, approve, and oversee implementation of the Spill Prevention and Response Plan.

           a.  The Contractor’s Spill Prevention and Response Plan must include: 1) spill cleanup procedures; 2) worker training; and 3) impact avoidance measures.

           b.  As part of the Plan, the Contractor shall indicate fueling areas for equipment and shall be a minimum of 100 feet away from waters unless the Contractor receives written permission from the Project Engineer.

           c.  Full compensation for conforming to the provisions for developing and adhering to the Dewatering Plan shall be considered as included in prices paid for the various contract items of work involved and no additional compensation shall be allowed.
C. Stormwater Pollution Prevention Plan (SWPPP):

   1. Prior to beginning of work and within five (5) working days after date of the Notice to Proceed, the Contractor shall prepare and submit for approval by the Project Engineer, a Stormwater Pollution Prevention Plan in accordance with Section 01 57 26 of these specifications.

D. Dust Prevention Plan:

   1. Prior to beginning of work and within five (5) working days after date of the Notice to Proceed, the Contractor shall prepare and submit for approval by the Project Engineer, a Dust Prevention Plan for all construction activities that have the potential to generate visible dust.

      a. Shall be in accordance with the North Coast Unified Air Quality Management District (NCUAQMD) requirements.

      b. Construction activities include, but not limited to grubbing, stripping, excavation, hauling, travel on gravel roads, and soil placement and compaction activities.

      c. At a minimum the submittal shall include the water source(s), proposed spray/application methods, frequency of watering, location, possible tarping of haul trucks, designated monitoring periods and personnel to prevent visible dust in accordance to these specifications and project permits.

      d. Full compensation for conforming to the provisions for developing and adhering to the Dust Prevention Plan shall be considered as included in prices paid for the various contract items of work involved and no additional compensation shall be allowed.

1.5 GENERAL PROJECT-WIDE MEASURES

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

B. The Contractor, Contractor’s staff and Contractor’s subcontractors shall be fully aware of applicable environmental regulatory requirements, rules, regulations, and conditions that may govern the Contractor’s operations in the project area and shall conduct the work accordingly.

C. It is the responsibility of the Contractor to obtain all necessary federal and state permits. The Contractor is responsible for securing all County permits, copies of which must be provided to the Project Engineer prior to construction start. Contractor will maintain a copy of all permits at the Project site.

D. The Contractor shall comply with all applicable regulatory requirements.

E. All personnel working on site will be required to participate in a short briefing by the Project Engineer about 1) dust management, 2) trackout management, 3)
sediment and erosion control, 4) Requirements for minimizing environmental impacts, including noise, traffic, etc.; and 5) The possible presence of archaeological or cultural resources and need to halt work if suspected archaeological or historic resources are found and notify the Project Engineer before proceeding with work.

F. Procedures regarding Encountering Human Remains. Human remains may be encountered, given the reported presence of prehistoric sites in the vicinity. If human graves or remains are encountered, the following measures shall be implemented:

1. The Contractor will halt the work in the vicinity
2. The County Coroner will be notified. At the same time, a qualified archaeologist will be contacted to evaluate the situation.
3. The Project Engineer will be notified.
4. If human remains are of Native American origin, the Coroner will notify the Native American Heritage Commission within 24 hours of identification (916) 653 – 4082

G. Procedures regarding Archeological and Cultural Sensitive Resources: Surface surveys have not detected cultural materials within the limits of planned excavation. However, if any items of potential cultural or archeological significance are encountered during excavation operations, construction within this area shall be halted immediately, and the Contractor shall notify the Project Engineer. The Contractor is advised that if any archaeological findings are discovered during construction that it may be necessary to alter, slow, or stop construction activities as conditions warrant.

H. Hazardous Materials

1. Work Cessation in the Event Suspected Hazardous Materials are Encountered. Project construction Contractors shall stop all work in the area of any suspected soil or groundwater contamination, or any unearthing of storage drums or other potential sources of hazardous materials/wastes. The Contractor shall then comply with relevant sections of the General Conditions and Technical Specifications.

I. General Impact and Avoidance Measures

1. Employees will strictly limit their activities, vehicles, equipment, and materials to the designated temporary impact areas, staging areas, and work areas.
2. To avoid attracting predators, the action area will be kept clean of trash. All food-related trash items will be enclosed in sealed containers and removed daily from the action areas. Trash will be bagged and removed from the site and properly disposed of at the close of each workday to avoid attracting ravens, crows, or other potential predators.
3. No pets associated with construction personnel will be allowed on the action area. Local residents may own pets or other animals which are not within the control of HCRCD or the contractor).

4. All equipment maintenance and staging, and dispensing of fuel, oil, and coolant, will occur within the staging area. Equipment will be checked for leaks prior to leaving the staging area and repaired as necessary.

5. Crews shall not attempt to feed, harass, or otherwise intentionally interact with any listed species or nesting birds.

6. Haul trucks used by the Contractor to deliver soil to the White Slough Project shall be in good condition and shall be inspected for leakage of coolant and petroleum products and repaired, if necessary before work is started. All haul trucks shall be cleaned of materials deleterious to aquatic life including oil, lubricants, coolants, hydraulic fluid, soil, and other debris. All Haul trucks used by Contractor shall be checked daily to prevent leaks of fuels and/or lubricants.

7. Prior to the onset of work the contractor shall prepare a spill prevention and response plan for the contractors haul trucks. The spill prevention and response plan must include description of spill cleanup procedures, description of worker training, designation of fueling locations, and impact avoidance measures.

8. No fueling of Contractor's haul trucks shall take place at White Slough.

9. No haul truck maintenance or cleaning of Contractor’s equipment shall take place at White Slough except that required to prevent tracking of sediment onto public roads.

10. Absorbent materials designed for spill containment and cleanup shall be kept by Contractor in Contractor’s equipment for use in case of an accident spill.

11. In the event that any material, which could be hazardous or toxic to aquatic life is spilled or enters coastal waters (e.g. a piece of equipment tipping over in a stream and dumping oil, fuel, or hydraulic fluid), the Contractor shall immediately notify the Refuge Project Manager and the California Emergency Management Agency State Warning Center at 1-800-852-7550, and immediately initiate clean-up activities.

12. The Contactor shall not place or store any construction materials, debris, or waste at White Slough or where it may be allowed to enter into or placed where it may be washed by rainfall into waters of U.S./State.

13. The Contractor and it haul truck drivers shall follow all directions given by the Refuge Project Manager, Refuge Project Engineer, or Refuge Inspector intended to minimize dust generation, project hail routes, and to prevent tracking on the public roads. Failure of any operator to follow these directions will result in that operator being barred from White Slough. The
contactor is solely responsible for any costs incurred due to its operators not following direction given by the Refuge Project Manager, Refuge Project Engineer or Refuge Inspector.

J. Noise

1. Semi-stationary equipment (e.g., generators, compressors, etc.) shall be located as far as possible from residences near the project site or shielded if feasible.

2. Equipment muffler/maintenance requirements shall be implemented.

3. Equipment and on-site trucks used for construction shall be equipped with mufflers or other appropriate sound reducing equipment.

4. Impact tools such as jack hammers used for project construction would be hydraulically or electrically powered when feasible to avoid noise associated with compressed air exhaust from pneumatically powered tools.

K. Air Quality

1. All exposed surfaces (parking areas, staging areas, soil piles, graded areas, and unpaved access roads) will be watered as necessary during to prevent to propagation of dust.

2. All haul trucks transporting soil, sand, or other loose material will maintain at least one foot of freeboard or cover the load.

3. Idling times shall be minimized by shutting off equipment when idling for more than five minutes.

4. All construction equipment shall be maintained and properly tuned in accordance with manufacturers specifications.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION

3.1 DEWATERING

A. Shallow groundwater exists beneath the Project work areas. This water and other water that enters the construction work areas shall be managed by the Contractor to allow for efficient completion of the required construction. Groundwater may be encountered within the excavation and grading areas. Therefore, in order to accomplish the planned excavations and grading, it may be necessary to dewater excavations. The Contractor is responsible for the design, operation and maintenance of the temporary dewatering system.

B. Dewatering locations must be approved by the Project Engineer or located in accordance to the Contractor's Dewatering Plan. Temporary dewatering structures and activities may be required over the life of the construction project. Any areas
affected by dewatering structures/activities will be returned to pre-project condition by Contractor as part of project close-out.

C. Any turbid water pumped by Contractor from the work site itself, to maintain it in a dewatered state, shall be disposed of in an approved location, water truck, sediment settling tank, or equivalent, where it will not drain directly into any stream channel or tidal waters. The turbidity control methods need to be approved by the Project Engineer prior to implementation.

D. The Contractor shall refuel pumps in areas a minimum of 100-feet away from waters and where approved by the Project Engineer. The Contractor shall place fuel absorbent mats under pumps while refueling.

E. Once construction is completed, the dewatering facilities are to be removed by the Contractor. Sediment control devices, including perimeter erosion controls, are to remain in place until all disturbed areas are stabilized and the Project Engineer approves their removal.

3.2 AIR QUALITY AND DUST CONTROL

A. The Contractor shall adhere to all project permits and shall utilize BMPs to minimize fugitive dust generation and assure compliance with North Coast Unified Air Quality Management District Rule 104 Section 4.0 regarding the control of fugitive dust.

B. Unimproved access or unpaved haul roads, material stock piles, excavated and graded areas, and areas of exposed soil on the construction site shall be sprinkled with water or otherwise treated to fully suppress dust when and where dust becomes a problem. The District shall provide water for Contractor’s use.

C. At the discretion of the Project Engineer, grading and construction may be prohibited during periods of high winds (>15 mph), which have the potential to result in the generation of windblown dust and sediment not reasonably controllable with standard watering techniques.

D. When not in use or unattended, construction equipment and vehicles will be shut down, locked up, and not left idling.

E. Equipment and vehicles shall also be tuned and maintained in accordance with manufactures’ specifications to avoid excessive emissions.

F. All equipment shall operate with factory-equipped mufflers.

G. Contractor shall water active earthwork areas and staging areas as needed for dust control. All active construction areas and sediment application areas shall be watered at a rate sufficient to keep soil moist and prevent formation of wind-blown dust.

H. Exposed stockpiles of dirt, sand, and similar material shall be enclosed, covered, and/or watered daily, or treated with approved non-toxic soil binders as necessary to prevent generation of fugitive dust.
I. Contractor shall use water trucks or spray from hoses to control dust created by outdoor work operations during entire period of the Contract as directed by Project Engineer and stipulated in Specifications; Contractor shall satisfactorily control dust created by operations to the satisfaction of the Project Engineer.

3.3 SITE STABILIZATION

A. Incorporate erosion control devices indicated on the Drawings into the Project at the earliest practicable time.

B. Construct, stabilize and activate erosion controls before site disturbance within tributary areas of those controls.

C. Stockpile and waste pile heights shall not exceed 10 feet. Slope stockpile sides at 2:1 or flatter.

D. Stabilize any disturbed area of affected erosion control devices on which activity has ceased and which will remain exposed for more than 20 days.
   1. During non-germinating periods, apply mulch at recommended rates.
   2. Stabilize disturbed areas which are not at finished grade and which will be disturbed within one year in accordance with Section 3292 19 at 50 percent of permanent application rate with no topsoil.
   3. Stabilize disturbed areas which are either at finished grade or will not be disturbed within one year in accordance with Section 3292 19 permanent seeding specifications.

E. Stabilize stockpiles immediately.

3.4 FIELD QUALITY CONTROL

A. Inspect erosion control devices on a weekly basis and after each runoff event. Make necessary repairs to ensure erosion and sediment controls are in good working order.

3.5 CLEANING

A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for cleaning.

B. When sediment accumulation in sedimentation structures has reached a point one-third depth of sediment structure or device, remove and dispose of sediment.

C. Do not damage structure or device during cleaning operations.

D. Do not permit sediment to erode into construction or site areas or natural waterways.

E. Clean channels when depth of sediment reaches approximately one half channel depth.
3.6 PROTECTION

A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for protecting finished Work.

B. Protect paving from elements, flowing water, or other disturbance until curing is completed.

END OF SECTION
SECTION 01 70 00
EXECUTION REQUIREMENTS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. All components of the Contract Documents apply to this section including but not limited to drawings and provisions of the Contract, including Mandatory Contract Provisions, General Provisions, Special Provisions, General Requirements and Technical Specifications.

1.2 SUMMARY

A. This Section includes general procedural requirements governing execution of the Work including, but not limited to, the following:

1. Field engineering and surveying.

2. Protection of installed construction.

B. Related Sections in General Requirements: All technical specification sections in the General Requirements (01 10 00 through 01 78 10) support work in this specification and should be referenced and considered and integrated and supporting document during the execution of this work.

1.3 SUBMITTALS

A. Qualification Data: For Professional Land Surveyor to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of Owners, Engineers and Architects, and other information specified.

B. Certificates: Submit certificate signed by the Professional Land Surveyor certifying that location and elevation of improvements comply with requirements.

C. Landfill Receipts: Submit copy of receipts issued by a landfill facility, licensed to accept hazardous materials, for hazardous waste disposal.

D. Disposal Site Authorization: Submit copy of agreement allowing disposal of stumps and debris at an offsite location. Agreement must be written and signed by the owner of the property on which material is being placed must indicate property owner takes ownership of all material, and must release the College of the Redwoods, US Fish & Wildlife Services, and the Humboldt County Resource Conservation District from any responsibility or liability for materials disposed.
E. Certified Surveys: Submit AutoCAD files of the completed pre-construction and post-construction topographic survey prepared by a Professional Land Surveyor.

1.4 ADMINISTRATIVE AND OPERATIONS

A. White Slough Truck access shall use the access as designated by Refuge Project Manager, Refuge Project Engineer, and Refuge Inspector.

B. Soil from the College of the Redwoods Project shall be unloaded by the contractor along the tidal ridge haul routes in locations designated by refuge staff.

C. Refuge staff will maintain haul routes and turnarounds, and spread and place the soil in accordance with White Slough Wetland Enhancement Project Plan.

D. Contractor shall comply with all White Slough Project Permits. It shall be the responsibility of the contractor to review and understand the conditions relevant to placing fill at White Slough.

E. Contractor shall be held responsible for any and all damages to existing structure, roads, and utilities during hauling and dumping. All damage shall be restored to equal or better condition at the contractor’s expense.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.1 EXAMINATION

A. Existing Conditions: The existence and location of site improvements, utilities, and other construction indicated as existing are not guaranteed. Before beginning work, investigate and verify the existence, location, size and materials of utilities, site conditions, buildings, environmentally sensitive areas, points of access and other construction affecting the Work.

B. Existing Utilities and Survey Control: The existence, elevation and location of underground and other utilities and construction indicated as existing are not guaranteed. Before beginning site work, investigate and verify the existence, elevation, location, size and materials at the point of connection of underground utilities, at crossing points, and other locations and construction affecting the Work.

1. Before construction, verify the location and invert elevation at points of connection or crossing of sanitary sewer, storm sewer, and water-service piping; and underground electrical, gas and communication services.

2. Before construction, verify the location and condition of design survey control and provide confirmation by the Contractor’s professional surveyor that control survey benchmarks and bearings are accurate and in an
undisturbed condition sufficient to allow for construction of the proposed improvements.

3. Furnish location data for work related to Project that must be performed by public utilities serving Project site.

4. Record and notify the Project Engineer of the size, elevation, location and material for all affected existing utilities before ordering materials or beginning other construction.

C. Acceptance of Conditions: Examine substrates, subgrades, areas, and conditions, with Installer or subcontractor present where indicated, for compliance with requirements for installation tolerances and other conditions affecting performance. Record observations.

1. Verify compatibility with, and suitability of surface and subgrade including compatibility with existing soil and groundwater conditions.

2. Examine rough grading to determine if conditions are suitable for installation.

3. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of surface and subsurface conditions.

3.2 PREPARATION

A. Existing Utility Information: Furnish information to private utilities that is necessary to adjust, move, or relocate existing utility structures, utility poles, lines, services, or other utility appurtenances located in or affected by construction. Coordinate and assist with abandonment and relocation of private and public, with private utilities having jurisdiction.

B. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by private residences or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated and as necessary to allow for uninterrupted use and access:

1. Notify Owner not less than two (2) working days in advance of proposed utility interruptions.

2. Do not proceed with utility interruptions without the Owner’s written permission.

C. Field Measurements: Take field measurements and complete construction staking as required and necessary to fit the Work properly.

D. Space Requirements: Verify space requirements and dimensions of items shown diagrammatically on Drawings.
E. Review of Contract Documents and Field Conditions: Immediately on discovery of the need for clarification of the Contract Documents, submit a request for information to the Project Engineer. Include a detailed description of problem encountered, together with recommendations for changing the Contract Documents. Submit requests on form provided by the Project Engineer (Request for Interpretation, RFI).

3.3 CONSTRUCTION LAYOUT

A. Verification: Before proceeding to lay out the Work, verify layout information shown on Drawings, in relation to the control survey, property boundary and existing benchmarks. If discrepancies are discovered, notify the Project Engineer immediately.

B. General: Engage a Professional Land Surveyor to layout and document the Work using accepted surveying practices.

1. Establish and maintain construction benchmarks and control points to set lines, grades and locations as needed to locate each element of Project.

2. Establish dimensions within tolerances indicated. Do not scale Drawings to obtain required dimensions.

3. Inform subcontractors and installers of lines and levels to which they must comply.

4. Check the location and grades of every major element as the Work progresses.

5. Notify Project Engineer immediately when deviations from required lines and levels exceed allowable tolerances.

6. Provide copies of surveyor’s field notes and staking notes to Project Engineer.

7. Protect and replace temporary construction benchmarks and survey stakes.

C. Site Improvements: Locate and lay out protective fencing, clearing limits, site improvements, grading, fill, temporary access roads, permanent pathways, topsoil placement, plantings and other restoration elements.

D. Record Log: Maintain a log of layout control work. Record deviations from required lines and levels. Include beginning and ending dates and times of surveys, weather conditions, name and duty of each survey party member, and types of instruments and tapes used. Make the log available for reference and review by Owner.

3.4 FIELD ENGINEERING
A. Reference Points: Contractor to locate existing permanent benchmarks, control points, property corners, and similar reference points before beginning the Work. Preserve and protect permanent benchmarks and control points during construction operations.

   1. Do not change or relocate existing benchmarks or control points without prior written approval of the District. Report lost or destroyed permanent benchmarks or control points promptly. Report the need to relocate permanent benchmarks or control points to the Project Engineer before proceeding.

   2. Replace at no additional cost to the HCRCD, lost or destroyed permanent benchmarks, property corners, and control points promptly. Base replacements on the original survey control points.

3.5 INSTALLATION

A. General: Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.

   1. Make vertical work plumb, make horizontal work level, and grade slopes as noted on project plans.

B. Comply with manufacturer’s and supplier’s written instructions and recommendations for installing products in applications indicated.

C. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.

D. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.

E. Tools and Equipment: Do not use tools or equipment that produce harmful noise or vibration levels.

F. Hazardous Materials: Use products, cleaners, and installation materials that are not considered hazardous or otherwise harmful to the health of employees or tenants.

3.6 PROGRESS CLEANING

A. General: Clean Project site and work areas daily, including common areas. Coordinate progress cleaning for joint-use areas where more than one installer has worked. Enforce requirements strictly. Dispose of materials lawfully.

B. Site: Maintain Project site free of waste materials and debris.
C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.

D. Waste Disposal: Burying or burning waste materials on-site will not be permitted. Washing waste materials down sewers or into waterways will not be permitted.

E. Limiting Exposures: Supervise construction operations to assure that no part of the construction, completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during the construction period.

3.7 PROTECTION OF INSTALLED CONSTRUCTION

A. Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.

B. Comply with manufacturer's and supplier's written instructions for temperature and relative humidity.

3.8 CORRECTION OF THE WORK

A. Repair or remove and replace defective construction.

1. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting grades and alignments.

B. Restore permanent facilities used during construction to their specified condition.

END OF SECTION
SECTION 01 71 23.16
CONSTRUCTION SURVEYING

PART 1   GENERAL

1.1  SECTION INCLUDES
   A. Qualified services.
   B. Lines and grades.
   C. Survey of layout and performance.

1.2  MEASUREMENT AND PAYMENT
   A. Refer to Section 01 15 00 Measurement and Payment.

1.3  QUALIFIED SERVICES
   A. Surveying services and field engineering services by the contractor shall be performed under the direct supervision of a professional land surveyor or civil engineer currently licensed or registered in the State of California. A civil engineer providing field surveying shall have been registered prior to 1982 or have a current professional land surveyors license in the State of California.

1.4  LINES AND GRADES
   A. Contractor must independently provide the primary horizontal and vertical control and submit the pre-construction topographic survey to the Project Engineer.
   B. Allstakes or markers required to establish the lines and grades required for the completion of the Work shall be the responsibility of the Contractor.

1.5  SURVEYS FOR LAYOUT AND PERFORMANCE
   A. Surveying Requirements: Perform all surveys for layout and performance of the Work, reduce the field notes, and make all calculations and drawings necessary to carry out such work. The Contractor shall check the relative positions of all monuments and benchmarks to be used and shall report any damaged or out-of-position monuments to the Project Engineer immediately. The Contractor shall check such relative positions each time the Contractor uses such monument or benchmark.
   B. Datum: The Contractor shall be responsible for correctly locating all lines and grades and for performing all measuring as required for the construction and completion of the Work from established reference points and information shown on the Contract Drawings.
C. Equipment and Personnel: The Contractor’s instruments and other survey equipment shall be accurate, suitable for the surveys required in accordance with recognized professional standards, and in proper condition and adjustment at all times.

D. Field Notes and Records: Furnish the original pages of all survey records to the Project Engineer at intervals required by the Project Engineer. Furnish each field notebook to the Project Engineer when filled or completed.

E. The Contractor shall start work only after staking for the affected work is accepted by the Project Engineer.

F. Acceptance of the construction staking does not relieve the Contractor of responsibility for correcting errors discovered during the work and for bearing all additional costs associated with the error.

G. The Contractor shall remove and dispose of all flagging, lath, stakes, and other staking material after the project is complete unless the Project Engineer specifies otherwise.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION - Not Used

END OF SECTION
Humboldt County Resource Conservation District  
College of the Redwoods Soil Reuse at White Slough

SECTION 01 77 00  
CLOSEOUT PROCEDURES

PART 1 GENERAL

1.1 RELATED DOCUMENTS
A. All components of the Contract Documents apply to this section including but not limited to drawings and provisions of the Contract, including Mandatory Contract Provisions, General Provisions, Special Provisions, General Requirements and Technical Specifications.

1.2 SUMMARY
A. This Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
   1. Inspection procedures.
   2. Project Record Documents.
   3. Pre-construction and post construction topographic survey in AutoCAD format
   4. Warranties.
   5. Final cleaning.
B. Related Sections in General Requirements: All technical specification sections in the General Requirements (01 10 00 through 01 78 10) support work in this specification and should be referenced and considered and integrated and supporting document during the execution of this work. Section 50 of the FAA General Provisions and associated Special Provisions.

1.3 SUBSTANTIAL COMPLETION
A. Preliminary Procedures: Before requesting inspection for determining date of Substantial Completion, complete the following. List items below that are incomplete in request.
   1. Prepare a list of items to be completed and corrected (punch list), the value of items on the list, and reasons why the Work is not complete.
   2. Advise Contract Manager of pending insurance changeover requirements.
3. Submit specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.

4. Prepare and submit Project Record Documents, operation and maintenance manuals, damage or settlement surveys, property surveys, and similar final record information.

5. Prepare and submit pre-construction and post construction grades via topographic survey at the College of the Redwoods Site. Survey shall be in AutoCAD format based on conventions to be provided by GHD.

6. Complete final cleaning requirements, including surface restoration and patching/repair of asphalt and striping at access points to public and private roadways.

B. Inspection: Submit a written request for inspection for Substantial Completion. On receipt of request, Contract Manager will either proceed with inspection or notify Contractor of unfulfilled requirements. Contract Manager will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor’s list or additional items identified by Contract Manager, that must be completed or corrected before certificate will be issued.

1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.

2. Results of completed inspection will form the basis of requirements for Final Completion.

1.4 FINAL ACCEPTANCE

A. Procedures for Final Acceptance are described in Section 50 of the FAA General Provisions and associated Special Provisions which are included with these Contract Documents.

1.5 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

A. Preparation: Submit one (1) electronic copy of list. Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.

1. Organize items applying to each space by major element.

2. Include the following information at the top of each page:

   a. Project name.

   b. Date.

   c. Name of Contract Manager
d. Name of Contractor.

e. Page number.

1.6 RECORD SURVEY

A. Record Survey shall be prepared by a California Licensed Land Surveyor and shall accurately depict both the original contours prior to earthwork operations and the final contours after the earthwork operations. The record survey shall be provided in AutoCAD 2018 format and shall use standards to be provided by GHD.

1.7 PROJECT RECORD DOCUMENTS

A. General: Do not use Project Record Documents for construction purposes. Protect Project Record Documents from deterioration and loss. Provide access to Project Record Documents for Contract Manager’s reference during normal working hours.

B. Record Drawings: See Section 01 78 10 - Project Record Documents.

C. Record Specifications: See Section 01 78 10 - Project Record Documents.

D. Record Product Data: See Section 01 78 10 - Project Record Documents.

1.8 WARRANTIES

A. The contractor shall warrant their earthwork and erosion control system installation at the College of the Redwoods site for 12 months following notice of Completion. The contractor is responsible for establishment of erosion control vegetation in all disturbed areas and maintenance of erosion control wattles along slopes.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION

3.1 FINAL CLEANING

A. General: Provide final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and anti-pollution regulations.

B. Comply with safety standards for cleaning. Do not burn waste materials. Do not bury debris or excess materials on HCRC’s property. Do not discharge volatile, harmful, or dangerous materials into drainage or sanitary sewer systems. Remove waste materials from Project site and dispose of lawfully.
SECTION 31 10 13

DEMOLITION, DEBRIS DISPOSAL AND SALVAGE

PART 1   GENERAL

1.1   DESCRIPTION

A. The work described in this section includes demolition, removal, salvaging and disposal of woody materials and other debris as shown on the plans. This also includes the removal and disposal of additional deleterious materials that may be encountered during construction such as yard waste, tires, piping, concrete rubble, rock, bottles, metals, abandoned water piping, and other waste. This item also includes the removal and proper disposal of any contaminated or hazardous materials identified on the plans or incidental to the project.

1.2   RELATED SECTIONS

A. Section 31 20 00 – Earthwork

1.3   MEASUREMENT AND PAYMENT

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

1.4   SUBMITTALS

A. Within five (5) working days of Award of Contract, Contractor shall submit a site-specific Disposal Plan for site work, outlining work areas, methods, start work dates, equipment and crew types to perform the work as well as hazardous material handling, mitigation, and disposal plans.

B. Submittal shall include a list of all materials generated during construction activities that will require off-haul. Working with the Project Engineer, the Contractor shall develop a list of off-site refuse disposal facilities, including contact information and list of items accepted for disposal at identified facility consistent with the Disposal Plan.

C. Written proof the proposed disposal/recycling locations are permitted to receive said materials.

1.5   QUALITY ASSURANCE

A. In addition to complying with all pertinent codes and regulations, comply with the requirements of those insurance carriers providing coverage for this work.

B. The Contractor shall comply with all OSHA and California DTSC requirements for demolition of item described in description of work, and for items that may be encountered during this work.
C. The Contractor shall not disturb any power poles, overhead lines or other utilities.

1.6 PROJECT CONDITIONS

A. Disposition of material:

1. Title to materials: Title to all materials to be removed, except as specified otherwise, is vested in the Contractor upon receipt of notice to proceed.

2. Reuse of materials: The stumps and other woody debris encountered during the earthwork may be chipped on site and reused on site as erosion control mulch.

B. Cleanup: Debris and rubbish: Contain, remove and transport debris and rubbish in a manner that will prevent spillage to adjacent areas.

C. Dust control: Use all means necessary to prevent the spread of dust during performance of the work of this Section. The contractor shall be responsible for obtaining and paying for water for dust control.

D. Runoff and Erosion Control: The contractor shall be responsible for complying with the Stormwater Best Management Practices and any other requirements of permits required for the project. This shall include the control of runoff and erosion associated with demolition.

E. On Site Burning: On-site burning will not be permitted.

PART 2 PRODUCTS [NOT USED]

PART 3 EXECUTION

3.1. SITE INSPECTION

A. Prior to any demolition and debris removal work, carefully inspect the site and determine the extent of work involved.

B. Report any discrepancy to the Project Engineer immediately.

3.2. COORDINATION AND SCHEDULING

A. Coordinate work with other trades and subcontractors.

3.3. SAFETY

A. All work shall conform to pertinent OSHA regulations and to other State and local codes and ordinances as applicable.

B. If discovered, the Contractor shall not cut or crush potentially asbestos containing materials. Contractor shall attempt to remove these materials in an intact fashion and separating pipe at existing joints.
3.4. PROTECTION

A. Use all means necessary to protect existing benchmarks and structures designated to remain and, in the event of damage, immediately make all repairs and replacements necessary to the approval of the Project Engineer at no additional cost to the Contract Manager.

B. Locate, identify, and protect conduits and other underground utilities indicated to remain, from damage as shown on the Plans.

C. Protect trees, plant growth, and features designated to remain.

3.5. REMOVAL AND DISPOSAL OF DEBRIS

A. All removed debris shall become the property of the Contractor and to be disposed of at an approved off-site facility.

B. The Contractor shall handle and dispose of unsuitable and excess material legally, at refuse facility outside the Project site.

C. Lead, Asbestos Containing Materials and Hazardous Material: No such materials are known to exist on the project site. The Contractor shall handle and dispose of such materials if encountered according to Federal, State, and local regulations at a legal off-site location. Contractor shall furnish a copy of all disposal permits to the Project Engineer.

END OF SECTION 31 10 13
SECTION 31 11 00
CLEARING AND GRUBBING

PART 1 GENERAL

1.1 DESCRIPTION

A. The work of this section consists of clearing, grubbing, and off-hauling and disposing excess woody debris as well as the optional chipping and spreading of woody debris on site for mulch.

B. No clearing or grubbing shall occur outside construction limits of disturbance without prior approval from the Project Engineer and completion of environmental clearance surveys.

C. Clearing is defined as removing existing vegetation within the limits of grading shown on the plans. All vegetated material generated during clearing shall be either off hauled or it may be chipped and used as mulch for disturbed areas.

1.2 Grubbing is defined as removing sticks, brush, stumps, grass, weeds, roots, decayed vegetated matter, and woody debris resting on or protruding through the ground surface and all objectionable woody matter which is embedded in the underlying soil within the limits of grading as shown on the plans. All material generated during grubbing may be either off hauled or it may be chipped and used as mulch for disturbed areas related sections

1.  Section 01 57 00 – Environmental Requirements
2.  Section 31 20 00 – Earthwork
3.  Section 31 10 13 – Demolition, Debris Disposal and Salvage
4.  Section 32 92 19 – Seed and Mulch

1.3 MEASUREMENT AND PAYMENT

A. Refer to Section 01 15 00 - Measurement and Payment. There shall be no separate payment for clearing, grubbing, and disposal.

1.4 SUBMITTALS

A. Section 01 33 00 - Submittal Procedures
B. Disposal Plan – See Section 31 10 13
1.5 QUALITY ASSURANCE

A. Qualifications of workers:
   1. Provide sufficient skilled workers and supervisors who shall be present at all times during execution of this portion of the work and shall be thoroughly familiar with the type of construction involved and the materials and techniques specified.

1.6 PRESERVATION OF PROPERTY

A. Where construction is to be performed in the vicinity of trees and shrubbery, the work shall be carried on in a manner which will cause minimum damage. All trees within the limits of disturbance that are to remain and be protected are designated on the drawings. Under no circumstances are additional trees, outside the limits of grading to be removed without written permission from the Project Engineer. Trees and shrubbery that are not to be removed shall be protected from injury or damage resulting from the Contractor's operations. It shall be the responsibility of the Contractor to alert his staff, his suppliers, and all sub-contractors of the intent of these Specifications pertaining to the protection of vegetation. During the execution of his work, the Contractor shall use the same care and protection of all vegetation within their work area.

B. In areas where trees or shrubs may be damaged by construction equipment, the Contractor shall provide protective fencing, padding on tree trunks, tie-back branches or take other necessary actions to prevent damage to the trees, shrubs, or other vegetation. Damage to trees and shrubs shall include, but will not be limited to:
   1. Bark damage to trees
   2. Breakage of branches on trees or shrubs
   3. Breaking or tearing of roots
   4. Spilling toxic materials near the root zones
   5. Spraying toxic materials on foliage
   6. Fire damage to foliage and branches
   7. Compaction of root areas under the drip line or damage by fill or storage of materials over the root zone
   8. Foot or vehicular damage on low shrubs and groundcover

C. All damage shall be immediately reported to the Project Engineer who will file a report so that penalties may be determined.

D. If the Contractor inadvertently removes vegetation not designated for removal, the Contractor shall replant at a ratio of 3-to-1 (replanted area-to-removed area)
of species, size and location directed by the Project Engineer. The penalty is also applicable to trees damaged to the extent that such damage will, in the Project Engineer’s opinion, cause the tree to die.

E. Contractor shall exercise caution when working near trees not designated to be removed, so that the trees will not be damaged. No root greater than 1 inch in diameter shall be cut unless it is necessary to do so during excavation to reach the specified grade.

1.7 PROJECT CONDITIONS

A. Environmental requirements:

1. No burning shall be permitted.

2. Contractor shall be responsible for obtaining all necessary permits, approvals and Project Engineer’s authorization for disposal of material resulting from clearing and grubbing operations in areas not already specified in the contract documents.

PART 2 PRODUCTS

2.1 PRODUCTS

A. Wood Chip Material is the result of chipping cleared and grubbed material. The Wood Chip Material must meet the following specifications:

1. Maximum acceptable soil content is 5% by weight.

2. 6 inch minus wood chip material

PART 3 EXECUTION

3.1. LAYOUT

A. The Contractor shall layout the clearing and grubbing limits with lath five (5) working days prior to work, for review and approval by the Project Engineer.

B. The Project Engineer will review the clearing and grubbing layout and will direct the Contractor to make adjustments to the limits if necessary, prior to approval.

3.2. CLEARING AND GRUBBING

A. Unless noted otherwise, as shown on the plans and directed by the Project Engineer, all remaining debris including but not limited to wood fence posts, trees, stumps, large roots, buried logs, decayed vegetable matter, loose above ground logs, and all other objectionable woody material shall be removed and chipped for use on site or off hauled. Vegetation along the existing access road may be trimmed or removed as required to facilitate hauling.

B. Any clearing and/or grubbing activities outside the limits of disturbance is
prohibited unless authorized by the Project Engineer.

3.3. ALLOWABLE DEBRIS IN SOIL HAULED TO WHITE SLOUGH

C. The soils to be hauled to White Slough shall generally be free from woody debris and other deleterious materials. Woody debris such as roots and branches 2” in diameter and smaller and up to 24” long are allowed to remain in the soils hauled to White Slough as long as woody debris makes up less than 1% of the material in any load. The contractor shall provide personnel to pick excess woody debris from soils as required at the White Slough site.

END OF SECTION 31 11 00
Humboldt County Resource Conservation District
College of the Redwoods Soil Reuse at White Slough

SECTION 31 20 00
EARTHWORK

PART 1 GENERAL

1.1 SUMMARY
A. Section includes: excavation, trenching, backfilling, compaction, and grading necessary or required for the construction of the work as covered by these Specifications and indicated on the Drawings.

1.2 RELATED SECTIONS:
A. Section 01 33 00 – Submittal Procedures
B. Section 01 10 00 – Summary of Work
C. Section 31 10 13 – Demolition, Debris Disposal and Salvage
D. Section 31 11 00 – Clearing and Grubbing
E. Section 32 92 19 – Seed and Mulch

1.3 MEASUREMENT AND PAYMENT
A. Refer to Section 01 15 00 - Measurement and Payment.

1.4 REFERENCES
A. California Standard Specifications – 2015
B. California Department of Transportation (Caltrans) Transportation Laboratory for the California Test Methods (CTM)

1.5 SUBMITTALS
A. Submit in accordance with Section 01 33 00 - Submittal Procedures.
B. See Section 31 10 13 Demolition, Debris Disposal and Salvage for submittal requirements which includes work completed under this specification.

1.6 QUALITY ASSURANCE
A. Before beginning construction activities, such as grading, excavation, trenching, or filling, in any part of the project site, Contractor shall install temporary structures to guide runoff away from the work area and to capture eroded material before it reaches natural watercourses. The measures shall be in accordance with the Project’s Storm Water Pollution Prevention Plan (SWPPP) prepared by the Contractor.
B. Contractor shall arrange construction activities to minimize erosion to the maximum practical extent. Clearing, excavation, and grading shall be limited to those areas of the project site necessary for construction. Contractor shall minimize the area that is exposed and unprotected.

C. Contractor shall clearly mark and delineate the limits of work activities and Limits of Disturbance. Contractor shall not allow equipment to operate outside the limits of work or to disturb protected areas, except as already noted in specifications.

D. Qualifications of work force:

1. Provide sufficient skilled work force and supervisors who shall be present at all times during execution of this portion of the work and who shall be thoroughly familiar with the type of construction involved and the materials and techniques specified.

1.7 PRESERVATION OF PROPERTY

A. Existing power and telephone lines, fences, pipelines or other conduits, embankments, transformers, and structures in the vicinity of the work shall be supported and protected from injury by the Contractor during the construction and until the completion of the work.

B. All damage shall be immediately reported to the Project Engineer who will file a report so that penalties may be determined.

C. The Contractor shall remove all temporary stockpiles and rehabilitate the stockpile/staging areas and leaving it in clean and neat condition.

1.8 EXPLOSIVES

A. The Contractor shall not use explosives of any kind on the premises.

1.9 GRADES, LINES, LEVELS, AND PERMANENT MARKERS

A. Staking:

1. The Contractor is responsible for providing all surveying and staking for laying out the earthworks at the site based on grades shown on the plans and in accordance to the specification section 01 71 23 Construction Survey Staking.

B. Responsibility for correctness:

1. Contractor will be held responsible for the correctness of the layout and for establishing the location of possible buried utility lines. In the event there is any conflict between actual conditions and the drawings, Contractor shall notify the Project Engineer immediately and shall not proceed with the work until directed by the Project Engineer.
C. Preservation of markers:

1. All stakes, boundary lines, corner markers, bench marks or survey markers, etc., which have been or may be established in any part of the site, shall be carefully preserved and respected by the Contractor and shall be restored at the Contractor's expense if lost or destroyed as a result of his operations.

1.10 ACCURACY OF DATA

A. Site data given herein and on the drawings cannot be guaranteed. Exact locations, distances, elevations, etc., shall be finally governed by field conditions and the Project Engineer's instructions.

B. The Contractor shall promptly, and before such condition is disturbed, notify the Project Engineer in writing of soil or subsurface conditions which differ materially from those conditions shown in the Contract Documents or in the records of investigations of soil or subsurface conditions referred to above. The Project Engineer shall promptly investigate the conditions. If he/she finds the conditions materially different from those which reasonably should have been anticipated on the basis of a careful consideration of said records of investigations, logs of borings and examination of the site, and finds that said conditions will cause an increase or decrease in the cost of, and/or the time required for performance of the Contract, he/she will, after approval by the Contract Manager, modify the Contract Terms in writing to provide for an equitable adjustment in cost and/or time of performance.

1.11 ADDITIONAL SAFETY RESPONSIBILITIES

A. The Contractor shall be responsible for ensuring measures: (1) comply fully with 29 CFR Part 1926 OSHA Subpart P Excavations and Trenches requirements, (2) provide necessary support to the sides of excavations, (3) provide safe access to the Construction Manager’s sampling and testing within the excavation, (4) provide safe access for backfill, compaction, and compaction testings, and (5) otherwise maintain excavations in a safe manner that shall not endanger property, life, health, or the project schedule. All earthwork shall be performed in strict accordance with applicable law, including local ordinances and applicable OSHA requirements.

PART 2 PRODUCTS – NOT USED

PART 3 EXECUTION

3.1 OVERVIEW

A. Contractor is responsible for excavating soils and hauling to specified application areas and disposal site(s) in accordance to the plans and these specifications.

3.2 EXAMINATION
A. Verification of Conditions: Prior to commencement of site grading work the Contractor shall notify the Project Engineer that the site has been cleared. The Project Engineer shall have sufficient time to review the site. Site grading shall not commence until the Project Engineer has completed review of the site and the Project Engineer has given approval to proceed.

3.3 PREPARATION

A. Protect structures, utilities, driveways, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, freezing temperatures or frost, and other hazards created by earthwork operations. Provide protective insulating materials as necessary.

B. Provide erosion-control measures to prevent erosion or displacement of soils and discharge of soil-bearing water runoff or airborne dust to adjacent properties and roadways.

C. Prevent surface water and ground water from entering excavations, from ponding on prepared sub grades, and from flooding Project site and surrounding area.

D. Protect subgrades from softening, undermining, washout, and damage by rain or water accumulation.

3.4 CLEARING AND GRUBBING WORK REQUIRED

A. Clearing and grubbing work shall be accomplished in accordance with the provisions of Section 31 11 00 – Clearing and Grubbing, of these specifications.

3.5 CONTROL OF WATER

A. The Contractor shall be responsible for furnishing temporary drainage facilities to convey and dispose of surface water falling on or passing over the site. This work shall be accomplished in accordance with the provisions of Section 01 57 00 – Environmental Requirements, of these specifications.

3.6 EXISTING UTILITIES

A. The type, location, and number of publicly owned utilities in the vicinity of the work have been shown on the plans based on information provided to the Engineer. Additional campus owned utilities may be in the project vicinity. No guarantee is made as to the location and number of publicly owned or campus owned utilities. The Contractor shall locate all utilities prior to work and shall repair all utilities damaged in the progress of his work. The Contractor shall notify all owners of utilities through 811 prior to work so that the utility owners may mark the location of their facilities. The Contractor shall be prepared at all times with labor, equipment, and materials to make repairs on damaged mains or utilities.

B. Excavations around underground electrical ducts and conduits shall be performed using extreme caution to prevent injury to workers or damage to
electrical ducts or conduits. Similar precautions shall be exercised around gas lines, telephone and television cables.

3.7 PRIMARY SITE ACCESS

A. Within one (1) week of the Notice to Proceed and after obtaining an approved County Encroachment if required the Contractor shall initiate improvements to the primary site access locations as indicated on Plans. Establishing and maintaining construction entrances is a priority as all equipment and worker access and off-hauling of material shall occur only through the construction entrance shown on the plans; no off-hauling of demolition material or excavated soil may occur along any other access without prior written consent of the Project Engineer.

B. The Contract Manager and their representatives are not liable for any delays that result from regulatory-driven changes in the construction entrance and/or County encroachment permit.

3.8 GRADING AND EXCAVATION

A. Perform all excavation of every description, regardless of the type, nature, or condition of material encountered, as specified, shown, or required to accomplish the construction. Material for fill, backfill, or for protection of excavations from surface drainage shall be neatly placed and kept shaped so as to cause no interference with public travel.

B. The Contractor shall be responsible for meeting the finish grades as shown on the plans.

C. Remove all rock fragments/bounders greater than 12 inches in greatest dimension and

D. Remove all woody debris larger than 2” in diameter and greater than 24” in length. Remove all larger woody debris and stumps.

E. All areas covered by the project, including excavated and filled areas and adjacent transition areas, shall be uniformly graded so those finished surfaces are at the elevations established by the plans.

F. Prevent displacement or loose soil from falling into excavation; maintain soil stability.

G. Protect structures, utilities and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by earthwork operations.

H. Permanent cut and fill slopes shall be no steeper than 2H:1V, unless otherwise shown on the plans.
I. Groundwater may be encountered within the planned excavation depth, including utility trenches. Dewatering may be necessary to accomplish required excavations.

J. Notify the Project Engineer of unexpected subsurface conditions.

3.9 SUPPORT OF EXCAVATIONS

A. All necessary measures to protect excavations and adjacent improvements from running, caving, boiling, settling, or sliding soil resulting from the groundwater table and the nature of the soil excavated.

3.10 FINISH GRADING AND SOIL PREPARATION

A. Except where shown otherwise in the Drawings, restore the finish grade to the original contours and to the original drainage patterns. Grade surfaces to drain away from structures.

B. Upon completion of grading and prior to erosion control seed application, soil preparation of newly graded cut and fill slopes shall occur in accordance to Section 01 57 00 – Environmental Requirements.

3.11 PROTECTION

A. The Contractor shall prevent erosion of freshly graded areas during construction and until such time as a permanent drainage and erosion control measures have been installed.

B. Earthwork operations shall be conducted so as to prevent windblown dust and dirt from interfering with the surrounding normal operations. Contractor shall assume liability for all claims related to windblown dust and dirt. Water shall be applied in conformance with applicable provisions of Section 17 of the State Standard Specifications and with Section 1590 (e) of CAL/OSHA, Title 8, and SWPPP.

3.12 DISPOSAL OF EXCESS MATERIAL

A. Unless noted otherwise on the plans or specified below, all excavated material not suitable to reuse as fill at the White Slough site shall become the property of the Contractor and off-hauled to an authorized permitted disposal site(s) subject to approval by the Project Engineer.
PART 1 GENERAL

1.01 SUMMARY

A. The DIVISION 01 - GENERAL CONDITIONS developed for the College of the Redwoods Soil Reuse at White Slough shall apply to all of the work of every sub-Section of these Specifications as if fully repeated in each.

B. Provide all material, labor and equipment necessary to perform the Work for soil preparation, seeding, and mulching as shown on the Plans and as specified herein. The Work of this Seed and Mulch SECTION includes but is not limited to:
   2. Seeding.
   3. Applying straw and tackifier.

C. Work specified within this SECTION shall comply with the Project’s SWPPP requirements per SECTION 01 57 00 ENVIRONMENTAL REQUIREMENTS.

1.02 MEASUREMENT AND PAYMENT

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

1.03 RELATED TECHNICAL SECTIONS

A. SECTION 01 15 00 MEASUREMENT AND PAYMENT
B. SECTION 31 20 00 EARTHWORK
C. SECTION 01 57 00 ENVIRONMENTAL CONTROL.
D. SECTION 01 50 00 TEMPORARY FACILITIES AND CONTROLS.

1.04 REFERENCE STANDARDS

A. Nomenclature:

B. California Seed Law (California Department of Food and Agriculture). More information is available online at:
C. All standards shall include the latest additions and amendments as of the date of advertisement for bids.

D. American Society for Testing and Materials (ASTM):

1.05 SUBMITTALS

A. General: Submittals to be in accordance with the requirements of DIVISION 01 - GENERAL CONDITIONS and SECTION 01 33 00 SUBMITTAL PROCEDURES.

B. Prior to application, Contractor shall submit to Humboldt County Resource Conservation District (HCRCD) a signed acknowledgment from each supplier indicating that the seeding material meets requirements specified herein.

C. Contractor shall submit the following:
   1. For Contractor-provided seed: A letter, or appropriate seed lot tags, from seed supplier stating the botanical name, common name, provenance, minimum percent purity, minimum percent germination, and pounds pure live seed of the seed mix prior to application.
   2. Proof that the tackifier meets the Specifications described in this SECTION.
   3. Prior to delivery of straw to Project site, submit the name, address, and telephone number of the straw supplier and proof that the straw meets the Specifications described in this SECTION.
   4. Hydroseeding and hydromulching: Proposed areas and proposed methods for hydroseeding and hydromulching.

D. In the event that the Contractor chooses to force germinate, the Contractor shall submit a shop drawing of the proposed irrigation system as described in this SECTION.

1.06 TIMING AND COORDINATION

A. Timing of seeding application is subject to the timeframes and conditions specified in sub-Section Broadcast Seeding.

B. Timing of soil preparation, seeding, and mulching work shall be coordinated and sequenced with other project work.
   1. All earthwork and grading of the site shall be complete per DIVISION 31 – EARTHWORK prior to beginning soil preparation.
   2. Prior to installation of biodegradable mat and erosion control blanket per DIVISION 31 - EARTHWORK, the application of seed, straw, and tackifier shall be approved by the Project Engineer in all areas receiving biodegradable mat and erosion control fabric.

C. Seeding shall be completed prior to October 15th, or as otherwise approved by the Project Engineer.
D. For site access and water supply for optional force germination (per Sub-Section Force Germination), Contractor shall see SECTION 01 50 00 TEMPORARY FACILITIES AND CONTROLS.

PART 2 PRODUCTS

2.01 GENERAL

A. Materials not conforming to these Specifications and requirements shall remain the property of Contractor and shall be removed from Project site at no additional cost to the HCRCD.

2.02 SEED

A. Seed – General

1. All seed shall be provided by the Contractor at the proportions presented in the following tables:

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Common Name</th>
<th>Pounds of Pure Live Seed/Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danthonia californica</td>
<td>California Oatgrass</td>
<td>5</td>
</tr>
<tr>
<td>Hordeum branchyantherum</td>
<td>meadow barely</td>
<td>5</td>
</tr>
<tr>
<td>Triticum X Elymus</td>
<td>Regreen</td>
<td>20</td>
</tr>
<tr>
<td>Festuca rubra</td>
<td>Red fescue</td>
<td>10</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>40</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Common Name</th>
<th>Pounds of Pure Live Seed/Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agrostis pallens</td>
<td>western bentgrass</td>
<td>5</td>
</tr>
<tr>
<td>Elymus glaucus</td>
<td>blue wild rye</td>
<td>10</td>
</tr>
<tr>
<td>Festuca californica</td>
<td>California fescue</td>
<td>10</td>
</tr>
<tr>
<td>Trifolium wildenovii</td>
<td>Tomcat clover</td>
<td>5</td>
</tr>
<tr>
<td>Triticum X Elymus</td>
<td>Regreen</td>
<td>20</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>50</strong></td>
</tr>
</tbody>
</table>
2. Legume seed shall be pellet-inoculated as provided in bulletin AXT-280 of the University of California Cooperative Extension, “Pellet Inoculation of Legume Seed.”

3. Pasture Seed
   a. All pasture seed shall be organic. In the event that species in the specified pasture mix are not all commercially available as certified organic seed, Contractor shall provide written certification from seed supplier stating such or provide alternative organic seed mix for review and approval.
   b. Seed shall be endophyte-free.
   c. Seed shall be non-GMO.

4. Inoculum sources shall be species-specific and shall be applied at a rate of two (2) pounds of inoculum per one hundred (100) pounds of seeds.
   a. Legume seed shall be sown within ninety (90) calendar days after inoculation or shall be re-inoculated prior to sowing.
   b. Inoculated legume seed shall have a calcium carbonate coating.

B. Seed
   1. Seed shall be a fresh, clean, new crop mixed by dealer and packaged in dealer's unopened container with original label. Containers opened prior to inspection or without a label or tag will not be accepted. Each seed bag shall be delivered to Project site sealed and clearly marked as to the species, purity, percent germination, weed seed, inert material, dealer's guarantee, and date of test.
   2. All Contractor-provided seed shall comply with the California Seed Law. Commercially obtained seed shall be labeled under the California Food and Agricultural Code, and by the vendors supplying the seed. The percent of weed seed shall not exceed 1.5 percent by weight of the total seed mixture.
   3. Contractor-provided seed shall have been tested for purity and germination not more than fifteen (15) months prior to the application of the seed.
   4. Seeds shall be obtained from regionally appropriate sources. Seed collected from within coastal Humboldt County is preferable and seed from alternative coastal sources between San Francisco Bay and Coos Bay will be subject to Project Engineer's approval. Contractor shall coordinate with the Project Engineer thirty (30) working days prior to seeding to obtain these approvals. Seed may be available from Pacific Coast Seed, 533 Hawthorn Place, Livermore, CA (925) 373-4417; Hedgerow Farms, 21740 County Road 88, Winters, CA (530) 662-6847; S & S Seeds, P.O. Box 1275 Carpinteria, CA (805) 684-9407; Sunmark Seeds, 18032 NE Airport Way, Portland, OR (888) 214-7333; or approved equal.

2.03 WATER

A. Water shall be non-saline, suitable for agricultural use, shall be free of harmful substances that would adversely affect plant growth or vigor, and shall be as specified in SECTION 01 50 00 TEMPORARY FACILITIES AND CONTROLS.
2.04 TACKIFIER

A. Tackifier shall be non-asphaltic, non-toxic to plants and wildlife, and non-staining to rock surfaces. Tackifier shall be in powder form, may be re-emulsifiable, and shall be a processed organic adhesive derivative of *Plantago insularis* (per ASTM D7047-04) used as a soil binder, manufactured to be suitable for seeding applications.

2.05 FIBER

A. Fiber material shall be wood cellulose fiber containing no growth or germination-inhibiting factors. Natural wood cellulose fiber shall have the property of dispersing readily in water and shall have no toxic effect when combined with other material. The homogenous slurry or mixture shall be capable of application with power spray equipment. A green colored dye which is non-injurious to seed growth shall be used. Wood cellulose fiber shall be packaged in new label containers marked by the manufacturer to show the air-dry weight content.

2.06 STRAW

A. Straw shall be either rice or wheat derived from irrigated cropland. Straw shall not contain glass, plastic, metal, rocks, or other inorganic material. Straw shall not have been used previously for any other use and shall be certified weed free.

2.07 BROADCAST SEEDING EQUIPMENT

A. An all-terrain vehicle (ATV) / tractor mounted or pulled broadcast spreader or "belly grinder" manual type seeder, or approved equal, shall be used to broadcast seed.

PART 3 EXECUTION

3.01 FIELD QUALITY CONTROL

A. Contractor shall request and receive approval from the Project Engineer prior to commencing soil preparation, seeding, and mulching work.

B. Contractor shall inspect Project site and become familiar with any access requirements, access restrictions, and any other site conditions.

C. Contractor shall notify the Project Engineer, in writing, of soil conditions encountered that Contractor considers detrimental to the growth of plant material.

1. When detrimental conditions are uncovered, planting shall be discontinued until instructions to resolve these conditions are received from the Project Engineer.

D. Work described in this SECTION shall not be performed during muddy or frozen conditions.

E. Contractor shall coordinate with the Project Engineer to schedule inspections at the following stages.

1. Inspection during soil preparation.


3. Inspection during seeding and mulching.
4. Acceptance of seeding and mulching.

5. Acceptance of SWPPP Notice of Termination (NOT) per SECTION 02 27 00 EROSION CONTROL and these specifications.

F. Progress inspections: In addition to the inspections specified, the Project Engineer may make periodic progress inspections.

G. The Project Engineer reserves the right to take and analyze samples of materials for conformity to these Specifications at any time.

3.02 SOIL PREPARATION

A. Timing

1. Work in this SECTION shall not commence until:
   a. All earthwork has been completed and approved per 31 20 00 EARTHWORK.
   b. Contractor has requested and received approval from the Project Engineer.

B. Layout

1. Soil preparation shall occur in all areas to be seeded as shown on the Plans, and any additional areas disturbed by construction (including non-paved access, staging, stockpiling, and haul routes necessary to access sediment application areas) to be seeded as specified herein.

2. Contractor shall coordinate with the Project Engineer to confirm the limits of soil preparation.

C. Soil Preparation

1. Contractor shall review soil preparation areas for presence of rock, debris, chemicals, or other harmful substances and notify the Project Engineer if such conditions are observed.

2. Contractor shall prepare the soil as follows in areas to be seeded:
   a. Scarify mechanically to a depth of two (2) inches using a spike harrow, lightweight ring-roller/cultipacker or by hand methods, and as approved by the Project Engineer.
   b. In areas where excessive compaction has occurred such as haul routes and staging areas, at the discretion of the Project Engineer, the Contractor shall disk or rototill a minimum fifteen (15) inches deep using conventional farming implements and then smooth with a ring-roller/cultipacker or harrow prior to seeding.
   c. In sloped areas of the graded corridor, harrowing shall be oriented parallel to slope contours.
   d. Contractor shall protect Work from ruts and compaction until seeding occurs per Sub-Section Broadcast Seeding.
3.03 BROADCAST SEEDING

A. General
   1. Contractor may propose hydroseeding application as an alternative to broadcast seeding. Areas and methods shall be submitted to and are subject to Project Engineer approval.
   2. Contractor may propose drill seed application as an alternative to broadcast seeding. Areas and methods shall be submitted to and are subject to Project Engineer approval.

B. Timing
   1. Seeding shall occur upon completion of soil preparation work and upon request and receipt of approval by Project Engineer.
   2. Seed shall be applied before the onset of winter rains.
   3. Seeding shall be completed by 15 October, unless otherwise approved by the Project Engineer.
   4. Contractor shall coordinate with the Refuge Project Engineer for pick-up and delivery of HCRCD-supplied seed and shall request Contractor-provided seed delivery from supplier no less than five (5) working days prior to application. Contractor shall keep all seed in a cool, dry, shaded place until utilized.
   5. Contractor shall coordinate with the Project Engineer no less than five (5) working days prior to seeding so that the Project Engineer can be present during seed application.
   6. Work shall be performed only at times when weather conditions at Project site are favorable. No Work shall be performed when wind conditions prohibit uniform distribution of seed unless approved by the Project Engineer. No Work shall be performed and no equipment shall be operated when soils are saturated.

C. Layout
   1. Seed shall be applied in accordance to the areas shown on Plans and any additional areas impacted by construction; including unpaved access, staging, stockpiling, and haul routes necessary to access to sediment application areas.
   2. Contractor shall flag all seeding areas and the Project Engineer shall approve all areas to be seeded prior to seeding.
   3. Contractor shall limit foot and equipment traffic and storage of supplies in seeded areas.

D. Preparation of Seeding Areas
   1. Soil preparation within seeding areas shall occur prior to broadcast seeding per Sub-Section Soil Preparation.
   2. Clear all areas to be seeded of substantial debris and any other impediments to seed-soil contact.
E. Seed Application

1. Seed shall be delivered to the Project site in unopened separate containers with the seed tag attached. Containers without a seed tag attached will not be accepted.

2. Limit foot traffic or storage of supplies in seeded areas.

3. Apply the seed mix evenly and at the rates specified in the tables in Sub-Section Seed.

4. Any remaining seed shall be applied evenly to the areas shown on the Plans.

5. Contractor shall use appropriate equipment such as a rake or light harrow immediately after application to lightly cover seed with 1/8-inch to ¼-inch layer of soil. Seed cover shall not exceed ¼ inch.

6. After the site has been seeded, straw shall be applied per sub-Section Straw and Tackifier Application.

3.04 STRAW AND TACKIFIER APPLICATION

A. General

1. Contractor may propose hydromulch application as an alternative to blown straw. Areas and methods shall be submitted to and are subject to Project Engineer approval.

2. Contractor may propose crimping straw as an alternative to tackifying. Areas and methods shall be submitted to and are subject to Project Engineer approval.

B. Timing: Straw and tackifier shall be applied within the same day following approval of seeding by Project Engineer.

C. Layout:

1. Straw and trackifier shall be applied to all seeded areas.

D. Straw shall be applied as follows:

1. Straw shall be applied using a mechanical blower or by hand labor at a rate of 2,000 pounds per acre.

2. Straw shall be applied uniformly.

3. Where biodegradable mat and/or erosion control blanket are to be placed, only seed shall be applied, no straw

E. Non-asphaltic tackifier shall be applied to straw at a rate of 120 pounds per acre.

F. Fiber shall be applied (with the tackifier) at a rate of 500 pounds per acre.
3.05 FORCE GERMINATION OF SEED

A.  At the Contractor’s discretion, force germination of seed may be performed to comply with the Project’s SWPPP requirements per SECTION 02 27 00 EROSION CONTROL. The following specifications shall apply to any force germination of seed.

B.  Timing and Duration

1.  Contractor shall commence force germination of seed following completion of broadcast seeding, straw, tackifier application, biodegradable mat installation, and erosion control blanket, and acceptance of this work by the Project Engineer.

2.  All irrigation lines and appurtenances shall be kept out of the active channel after September 30.

C.  Water Supply

1.  Contractor shall coordinate with water source provider per SECTION 01 50 00 TEMPORARY FACILITIES AND CONTROLS.

D.  Application Method

1.  Water shall be applied to the seeded areas using a temporary on-grade spray irrigation system sufficient to provide an even precipitation rate of 0.25 inches of water to all areas at a frequency of one event every three (3) days, or as otherwise approved by the Project Engineer.

   a.  Contractor shall provide and install impact rotors in a quantity to cover seeded areas and sufficient to meet the specified precipitation rate.

   b.  Prior to broadcast seed application, Contractor shall meet the Project Engineer onsite to determine the layout of the rotors. Following this meeting, Contractor shall submit a shop drawing showing the layout of all irrigation equipment, piping, and points of connection, as well as flow and demand calculations, for approval by the Project Engineer prior to installation of the system.

   c.  Contractor shall prevent runoff during irrigation. Any runoff or bank erosion resulting from force germination that does occur shall be repaired to the design grade and reseeded per these specifications at no additional cost to the HCRCD.

E.  System Removal

1.  Unless otherwise directed by the Project Engineer, Contractor shall remove all components of the temporary irrigation system following completion of force germination and acceptance of work.

3.06 SITE CLEANUP

A.  Contractor shall cleanup following soil preparation, seeding, and mulching activities as follows and as directed by the Project Engineer:

1.  Remove all containers, packaging, and other debris resulting from seeding operations.
2. Dispose of all debris legally at licensed disposal facilities.

3. Clean all surfaces not designated for treatment and remove all residues resulting from mixing, applying, or equipment flushing.

4. Remove temporary items.

B. Seeded or mulched areas disturbed by subsequent construction activities shall be re-seeded or re-mulched within five (5) working days of the completion of such activities.

3.07 ACCEPTANCE OF SEEDING

A. Acceptance of Work:

1. The Project Engineer will accept work when all improvements and corrective work have been performed as specified and to the satisfaction of the Project Engineer, and the following has been achieved:

   a. Final stabilization as defined by the SWPPP and acceptance of the Notice of Termination (NOT) by the State Water Resources Control Board.