



SANTA ANA WATERSHED PROJECT AUTHORITY

Contract Documents for:

**SITE CLEARING  
REPAIRS TO UNLINED RCP  
REACH IV-A (LOWER)**

**SANTA ANA REGIONAL INTERCEPTOR  
PIPELINE**

**PREPARED BY:**

**RBF CONSULTING  
9755 CLAIREMONT MESA BLVD., SUITE 100  
SAN DIEGO, CA 92124**



Design Engineer

July 28, 2010

Date

THIS IS A PREVAILING WAGE PROJECT

## **PART 1**

# **BIDDING AND CONTRACT REQUIREMENTS**

## INVITATION TO BID

The Santa Ana Watershed Project Authority (SAWPA) is inviting bids from qualified Contractors for construction of the **Site Clearing - Repairs to Unlined RCP, Reach IV-A (Lower)** Project:

Sealed Bids addressed to Santa Ana Watershed Project Authority (OWNER), will be received at the office of the General Manager, 11615 Sterling Avenue, Riverside, CA 92503, until 10:00 a.m. local time, on the 9th day of September, 2010, and then will be publicly opened and read. Any Bids received after this specified time and date will not be considered.

The WORK includes site clearing, grubbing and remedial earthwork and related incidental work.

The WORK is located within the Prado Basin, behind Prado Dam within portions of Riverside and San Bernardino Counties.

The WORK shall be completed in all respects within 60 successive calendar days from the effective date identified in the Notice to Proceed.

Bidding Documents may be obtained in OWNER's office, Santa Ana Watershed Project Authority, 11615 Sterling Avenue, Riverside, CA 92503. For information concerning the proposed Work, contact David Ruhl, telephone: (951) 354-4220.

Bidding Documents may be purchased from the OWNER's office for \$15. Please stop by the SAWPA office, call Sara Villa at (951) 354-4220 or email [svilla@sawpa.org](mailto:svilla@sawpa.org).

A mandatory pre-bid conference and site visit will be held on Thursday August 19, 2010 at 10:00 a.m. at the SAWPA office, 11615 Sterling Avenue, Riverside CA 92503.

A Bid submittal consists of completed and executed forms contained in the Bid Forms section of the Bidding Documents. Return of the entire Bidding Document for the Bid Opening is neither required nor encouraged. The Bid Bond, included in the Bid Forms, must be completed, attached to the Bid and payable to the OWNER in an amount not less than 10 percent of the amount Bid.

The Successful Bidder will be required to furnish the necessary additional Bonds and Certificates for the faithful performance of the Work, as prescribed in the Contract Documents.

Each Bidder must be licensed in the State of California and qualified to perform the Work described in the Plans, Specifications, and Contract Documents. Pursuant to Public Contract Code Section 3300, the CONTRACTOR must possess a General Engineering Contractor's license (Class "A") at the time that Bid Proposals are opened. Failure to possess such a License shall render any bid submitted as non-responsive. Before a contract will be awarded for the Work contemplated herein, the OWNER will conduct such investigation as is necessary to determine the performance record and ability of the apparent low Bidder to perform the size and type of work specified under this contract. Upon request, the Bidder shall submit such information as deemed necessary by the Owner to determine that the Bidder is responsive and responsible.

California prevailing wages shall be paid to all construction workers on the job. The Director of the Department of Industrial Relations has established the prevailing rate of per diem wages for workers to be used on the job. This information is available on the internet at: <http://www.dir.ca.gov/DLSR/PWD/index.htm>, various regulations can be found at <http://www.dir.ca.gov/t8/ch8sb3.html>. The CONTRACTOR shall comply with California Labor Code and shall post a copy of the prevailing wages at the jobsite.

In accordance with California Public Code Section 3400, the CONTRACTOR shall have ten (10) days after Notice of Award is issued for submission of data substantiating a request for substitution of an "or equal" product.

The CONTRACTOR shall comply (and have a history of compliance) with the Executive Order 11246 entitled "Equal Employment Opportunity" as amended, and as supplemented in Department of Labor regulations (41 CFR Part 60).

Payment for the Work accomplished will be made upon completion and acceptance of the work by the OWNER.

OWNER reserves the right reject all Bids or any Bid not conforming to the intent and purpose of the Bidding Documents. OWNER reserves the right to postpone the award of the contract(s) for a period of time without affecting the price bid, however, the Notice of Award shall not be delayed beyond 90 days from the Bid opening

date.

## INSTRUCTIONS TO BIDDERS

### 1. DEFINED TERMS.

Terms used in these Instructions to Bidders have the meanings assigned to them in the General Conditions.

Certain additional terms used in the Bidding Documents have the meanings indicated below which are applicable to both the singular and plural thereof.

- 1.1. *Bidder* - a firm with the requisite expertise to perform the work described herein and who submits a Bid to OWNER as distinct from a sub-bidder, who submits a Bid to a Bidder.
- 1.2. *Apparent Low Bidder* - that Bidder whose Adjusted Base Bid, as read at the bid-opening, appears to be the lowest total cost for the work bid.
- 1.3. *Base Bid* - total of the Lump Sum Work plus extended total for Unit Price Work as identified in the Bid Form.
- 1.4. *Successful Bidder* - lowest, responsible and responsive Bidder to whom OWNER issues a Notice of Award.

### 2. BIDDING DOCUMENTS.

- 2.1. The Bidding Documents include all Contract Documents as defined in the General Conditions as they exist prior to the Bid Opening. Complete sets of Bidding Documents must be used in preparing Bids. Neither OWNER nor ENGINEER assume any responsibility for errors or misinterpretations resulting from use of incomplete sets of Bidding Documents.

### 3. RETAINAGE. (Reserved)

### 4. QUALIFICATIONS OF BIDDERS. (NOT USED)

### 5. PREBID CONFERENCE.

- 5.1 A mandatory pre-bid conference and site visit will be held on Thursday, August 19, 2010 at 10:00 a.m. at the SAWPA office, 11615 Sterling Avenue, Riverside CA 92503. No other site visits will be conducted during the bid period and bidders are prohibited from conducting their own site visits during the bid period.

### 6. LICENSE REQUIREMENTS.

- 6.1. The classification of Contractor's License a Bidder must hold to be eligible for consideration of a contract for the Work is listed in the Invitation to Bid.

### 7. EXAMINATION OF CONTRACT DOCUMENTS AND SITE.

- 7.1. It is each Bidder's responsibility, before submitting a Bid, to:
  - 7.1.1. Examine thoroughly the Contract Documents and other related data identified in the Bidding Documents (including "technical data" referred to below).
  - 7.1.2. Inspect the site to become familiar with and satisfy Bidder as to the general, local, and site conditions that may affect cost, progress, performance, or furnishing of the Work.
  - 7.1.3. Consider federal, state, and local Laws and Regulations that may affect cost, progress, performance, or furnishing of the Work.
  - 7.1.4. Study and carefully correlate Bidder's knowledge and observations with the Contract Documents and such other related data.
  - 7.1.5. Promptly notify OWNER of all conflicts, errors, ambiguities, or discrepancies which Bidder has discovered in or between the Contract Documents and such other related documents.

- 7.2. (Reserved)

- 7.3. Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders on subsurface conditions, other physical conditions and Underground Facilities, and possible changes in the Contract Documents due to differing or unanticipated conditions appear in Section 4 of the General Conditions.
- 7.4. (Reserved)
- 7.5. Reference is made to the General Requirements for identification of the general nature of work that is to be performed at the site(s) by OWNER or others and that relates to Work for which a Bid is to be submitted. On request, OWNER will provide to each Bidder, for examination, access to or copies of contract documents for such work by others that OWNER has possession and knowledge of.
- 7.6. The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of these Instructions to Bidders; that, without exception, the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying the specific means, methods, techniques, sequences, or procedures of construction (if any) that may be shown or indicated or expressly required by the Bidding Documents; that Bidder has given OWNER written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by OWNER is acceptable to Bidder; and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work and for preparing the Bid.

8. INTERPRETATIONS AND ADDENDA.

- 8.1. All questions about the meaning or intent of the Bidding Documents are to be directed in writing to OWNER. Interpretations or clarifications considered necessary by OWNER in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by the office issuing documents as having received the Bidding Documents. Questions received less than 3 days prior to the date for opening of Bids may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect. Because of the urgency to begin this Work, Addenda will be emailed or faxed as late as the day before Bid Opening.
- 8.2. Addenda may also be issued to modify the Bidding Documents.

9. BID SECURITY.

- 9.1. Each Bid must be accompanied by Bid security made payable to OWNER in an amount of 10 percent of Bidder's maximum Bid price and in the form of a certified or cashier check or a Bid Bond on form attached, issued by a surety meeting the requirements of Section 5.1 of the General Conditions.
- 9.2. The Bid security of the apparent Successful Bidder will be retained until such Bidder has executed the Agreement, furnished the required Performance and Payment Bond(s), certificates of insurance, and met the other conditions of the Bidding Documents. If the apparent Successful Bidder fails to sign and deliver the Agreement and furnish the required Bond(s) and certificates of insurance within the time period specified in Item 22 EXECUTION OF AGREEMENT below, OWNER may annul the award and the Bid security of that Bidder will be forfeited. The Bid security of other Bidders whom OWNER believes to have a reasonable chance of receiving the award may be retained by OWNER until the earlier of the 10th day after the execution of the Agreement by the Successful Bidder or the rejection of all Bids by the OWNER. Bid security submitted with Bids which are not competitive will be returned within 15 days after the Bid opening.

10. CONTRACT TIMES.

- 10.1. Contract Times are set forth in the Agreement.

11. LIQUIDATED DAMAGES.
  - 11.1. Provisions for liquidated damages are set forth in the Agreement.
12. SUBSTITUTE AND "OR-EQUAL" ITEMS.
  - 12.1. The contract, if awarded, will be on the basis of materials and equipment shown on the Drawings or specified in the Specifications without consideration of possible substitute or "or-equal" items. Whenever it is shown on the Drawings or specified in the Specifications that a substitute or "or-equal" item of material or equipment may be furnished or used by CONTRACTOR, if acceptable to OWNER, application for such acceptance will not be considered by OWNER until after the Bid Opening. The procedure for submission of any such application by CONTRACTOR and consideration by OWNER is set forth in the Bid Forms.
13. SUBCONTRACTORS, SUPPLIERS, AND OTHERS.
  - 13.1. Bidder shall submit with its Bid the names and business addresses of each proposed Subcontractor who will perform Work under these Bidding Documents in excess of 1/2 of 1 percent of the amount of the total Bid, and shall provide such other information for such Subcontractor as required in the Bid Forms. If the Bidder fails to specify a Subcontractor for any portion of the Work to be performed under the Bidding Documents, the Bidder agrees to perform that portion of the Work itself, and further agrees that it is qualified to perform that portion of the Work.

Bidder shall submit letters from material suppliers confirming when the materials should be available.
14. (Reserved)
15. WAGE RATES.
  - 15.1. Refer to the Invitation to Bid for specifics. California prevailing wages shall be paid.
16. BID FORM.
  - 16.1. The Bid Forms and other attachments are included with the Bidding Documents. No substitution of forms will be allowed.
  - 16.2. All blanks on the Bid Form must be completed by typing or printing with ink. All price information shall be shown in both words and figures where required. No changes shall be made in the phraseology of the forms.
  - 16.3. Bids by corporations must be executed in the corporate name by the president or a vice-president (or other corporate officer accompanied by evidence of authority to sign) and the corporate seal must be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation must be shown above the signature.
  - 16.4. Bids by partnerships must be executed in the partnership name and signed by a partner, whose title must appear on the line below the signature.
  - 16.5. All names must be typed or printed on the line with the signature.
  - 16.6. The Bid shall contain an acknowledgement of receipt of all Addenda (the numbers of which must be filled in on the Bid Form).
  - 16.7. The address and telephone number for communications regarding the Bid must be shown.
17. SUBMISSION OF BIDS.
  - 17.1. Bid Form and attachments may be photocopied for submission of Bids subject to all signatures being original.
  - 17.2. Submit Bids not later than the time prescribed, at the place, and in the manner set forth in the Invitation to Bid. Enclose Bids, along with the Bid Security/Bond and other required attachments,

in an opaque, sealed envelope, labeled with the Project Title and the name and address of Bidder. If the Bid is sent through the mail or other delivery system, the sealed envelope shall be enclosed in a separate envelope with the notation "BID ENCLOSED" on the face of it. Bids must be made on the prescribed Bid Form provided and submitted with the attachments listed below.

17.3. Bidders shall complete and submit the following attachments with its Bid:

- Bid Security/Bond
- Statement/Affidavit of Noncollusion
- Acknowledgment of Insurance Requirements and Certification of Ability to Provide Coverages Specified
- Contractor References

17.4. Only one Bid from any individual, firm, partnership, or corporation, under the same or different names, will be considered. Should it appear to the OWNER that any Bidder is interested in more than one Bid for Work contemplated, all Bids in which such Bidder is interested will be rejected.

18. MODIFICATION AND WITHDRAWAL OF BIDS.

18.1. Bids may be modified or withdrawn by an appropriate document duly executed (in the same manner that a Bid must be executed) and delivered to the place where Bids are to be submitted at any time prior to the opening of Bids.

18.2. If, within 24 hours after Bids are opened, any Bidder files a duly signed, written notice with OWNER and promptly thereafter demonstrates to the reasonable satisfaction of OWNER that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid and the Bid security will be returned. Thereafter, that Bidder will be disqualified from further consideration on the Work to be provided under the Contract Documents.

19. OPENING OF BIDS.

19.1. Bids will be opened and read aloud publicly. A summary of the amounts of the Base Bids and major alternates (if any) will be made available to Bidders within 7 days after the date of Bid opening.

20. BIDS TO REMAIN SUBJECT TO ACCEPTANCE.

20.1. All Bids will remain subject to acceptance for 90 days after the date of the Bid opening, but OWNER may, in its sole discretion, release any Bid and return the Bid security prior to that date.

21. BASIS OF AWARD; AWARD OF CONTRACT.

21.1. If the contract is to be awarded, OWNER will give Successful Bidder a Notice of Award within 20 days after the day of the Bid opening.

21.2. OWNER reserves its right to reject any, or all, Bids, including without limitation the rights to reject any, or all, nonconforming, nonresponsive, unbalanced or conditional Bids, and to reject the Bid of any Bidder if OWNER believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified, or of doubtful financial ability, or fails to meet any other pertinent standard or criteria established by OWNER. OWNER also reserves the right to waive any irregularity not involving price, time, or changes in the Work. Discrepancies in the quantity multiplied by unit price and the extended total amount will be resolved in favor of the quantity multiplied by unit price. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.

21.3. (Reserved)

- 21.4. OWNER may consider the qualifications and experience of Subcontractors, Suppliers, and other persons and organizations proposed for those portions of the Work for which the identity was required. OWNER also may consider the operating costs, maintenance requirements, performance data, and guarantees of major items of materials and equipment proposed for incorporation in the Work when such data are required to be submitted prior to the Notice of Award.
- 21.5. (Reserved)
- 21.6. If, at the time this contract is to be awarded, the total of the lowest acceptable Bid exceeds the funds then estimated by the OWNER as available, the OWNER may reject all Bids or take such other action as best serves the OWNER's interests.
- 21.7. If the contract is to be awarded, it will be awarded to lowest Bidder whose evaluation by OWNER indicates to OWNER that the award will be in the best interests of the OWNER.
- 21.8. In the event of failure of the Successful Bidder to sign the Agreement and provide an acceptable Performance and Payment Bond(s), insurance certificate(s), and other required documents, the OWNER may award the contract to the next lowest responsive, responsible Bidder.
22. EXECUTION OF AGREEMENT.
- 22.1. When OWNER gives a Notice of Award to Successful Bidder, it will be accompanied by unsigned copies of the Agreement and other appropriate documents. Within 7 calendar days thereafter, CONTRACTOR shall sign and deliver the copies of the Agreement and, attached documents, along with acceptable Performance and Payment Bond(s) and insurance certificate(s), to OWNER. Within 10 days thereafter, OWNER shall deliver two fully executed copies of the Agreement to CONTRACTOR.

**END OF SECTION**

## BID FORM AND ATTACHMENTS CHECKLIST

This checklist is provided as a convenience to bidders in areas where past experience indicates such instruction can be helpful. It is not represented as being comprehensive and compliance therewith does not relieve the bidder of responsibility for compliance with any bid requirement which may not be mentioned specifically in these instructions.

Complete **Site Clearing - Repairs to Unlined RCP, Reach IV-A (Lower)** Project Bid Package for submission consists of:

	<b>Document</b>	<b>Completed by</b>	<b>Signed by</b>
	Bid Form	Contractor	Contractor
	Bid Bond	Contractor and Surety	Contractor and Surety
	Noncollusion Affidavit	Contractor	Notarized Signature of Contractor
	Acknowledgement of Insurance Requirements and Certification of Ability to Provide Coverage Specified	Insurance Provider and/or Insurance Provider's Agent	Insurance Provider and/or Insurance Provider's Agent
	Contractor References	Contractor	Contractor

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an amount in excess of one-half of one percent of the general CONTRACTOR's total Bid, and the portion of the Work which will be done by each Subcontractor is set forth as follows:

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Name \_\_\_\_\_

---

\_\_\_\_\_ Street, \_\_\_\_\_ City, \_\_\_\_\_ State \_\_\_\_\_ Zip

---

CONTRACTOR's License No. \_\_\_\_\_ Portion (Type of Work) \_\_\_\_\_

---

Name \_\_\_\_\_

---

\_\_\_\_\_ Street, \_\_\_\_\_ City, \_\_\_\_\_ State \_\_\_\_\_ Zip

---

CONTRACTOR's License No. \_\_\_\_\_ Portion (Type of Work) \_\_\_\_\_

---

Name \_\_\_\_\_

---

\_\_\_\_\_ Street, \_\_\_\_\_ City, \_\_\_\_\_ State \_\_\_\_\_ Zip

---

CONTRACTOR's License No. \_\_\_\_\_ Portion (Type of Work) \_\_\_\_\_

---

Name \_\_\_\_\_

---

\_\_\_\_\_ Street, \_\_\_\_\_ City, \_\_\_\_\_ State \_\_\_\_\_ Zip

---

CONTRACTOR's License No. \_\_\_\_\_ Portion (Type of Work) \_\_\_\_\_

8. SALES AND USE TAXES.

8.1. The Bidder agrees that all federal, state, and local sales and use taxes are included in the stated Bid prices for the Work.

9. BASE BID

9.1. Unit Price Work:

Bidder further proposes to accept as full payment for the Unit Price Work proposed herein the amounts computed under the provisions of the Contract Documents and based on the following unit price amounts, it being expressly understood that the unit prices are independent of the exact quantities involved. Bidder agrees that the unit prices represent a true measure of the labor, materials, and services required to furnish and install the item, including all allowances for overhead and profit for each type and unit of Work called for in these Contract Documents.

Item	Description	Quantity	Unit	Unit Price	Extended Total Amount
1.	Mobilization and Demobilization (not to exceed 2% of the Total Base Bid)	1	LS	\$	\$
2.	Clear and Grub Work Areas	200,000	SF	\$	\$
3.	Clear and Grub Access Road	150,000	SF	\$	\$
4.	Tree and Stump Removal	60	EA	\$	\$
5.	Rain Event De-Mobilization (Evacuation)	1	EA	\$	\$
6.	Scarify/Remedial Grading of Work Areas	200,000	SF	\$	\$
7.	Scarify/Remedial Grading of 20' Wide Access Road	150,000	SF	\$	\$
8.	Construction Photography	1	LS	\$	\$
TOTAL OF EXTENDED AMOUNT FOR BASE BID					\$

9.2. Base Bid Summary

9.2.1. Total of Extended Amount for Base Bid \$ \_\_\_\_\_

9.2.2. Total Adjustment (add or delete) \$ \_\_\_\_\_

(Identify Bid Item(s) impacted by adjustment) Item Nos. \_\_\_\_\_

TOTAL BASE BID \$ \_\_\_\_\_

TOTAL BASE BID (in words) \_\_\_\_\_

—

9.3. Base Bid Deduct if Awarded Site Clearing – Reach IV-B

9.3.1. Bidder further proposes to deduct the following amount from the Total Base Bid described in Section 9.2 above if the work under Site Clearing – Reach IV-B and Site Clearing – Reach IV-A (Lower) are awarded under one contract and the work is performed simultaneously.

9.3.2 Total Deduct \$ \_\_\_\_\_

ADJUSTED TOTAL BASE BID \$ \_\_\_\_\_

ADJUSTED TOTAL BASE BID (in words) \_\_\_\_\_

—

10. SURETY.

10.1. If Bidder is awarded a construction contract from this Bid, the surety who provides the Performance and Payment Bond(s) is

Surety's Name \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

11. LICENSE.

11.1. Class \_\_\_\_\_, California Contractor License No.: \_\_\_\_\_

12. BIDDER. As appropriate, complete signature block below for An Individual, A Partnership, A Corporation, OR A Joint Venture.

An Individual

By \_\_\_\_\_  
(Individual's printed Name and Signature)

Name, Phone Number, and Address for receipt of official communications and for additional information on this Bid:

\_\_\_\_\_  
(Printed Name, Phone Number)

\_\_\_\_\_  
(Address)

SUBMITTED ON \_\_\_\_\_, 20\_\_\_\_.

A Partnership

By \_\_\_\_\_  
(Partnership name)

\_\_\_\_\_  
(Printed Name and Signature of General Partner)

\_\_\_\_\_  
(Title)

Name, Phone Number, and Address for receipt of official communications and for additional information on this Bid:

\_\_\_\_\_  
(Printed Name, Phone Number)

\_\_\_\_\_  
(Address)

SUBMITTED ON \_\_\_\_\_, 20\_\_\_\_.

A Corporation

By \_\_\_\_\_  
(Corporation name)

\_\_\_\_\_  
(Corporate Address)

\_\_\_\_\_  
(State of Incorporation)

By \_\_\_\_\_  
(Printed Name and Signature of Person Authorized to Sign)

\_\_\_\_\_  
(Title)

(Corporate Seal)

Attested By \_\_\_\_\_  
(Printed Name and Signature of Corporations Secretary, or Assistant Secretary)

Name, Phone Number, and Address for receipt of official communications and for additional information on this Bid:

\_\_\_\_\_  
(Printed Name, Phone Number)

\_\_\_\_\_  
(Address)

SUBMITTED ON \_\_\_\_\_, 20\_\_\_\_.

A Joint Venture

By \_\_\_\_\_  
(Business name)

\_\_\_\_\_  
(Printed Name and Signature of Person Authorized to Sign)

By: \_\_\_\_\_  
(Business Name)

\_\_\_\_\_  
(Printed Name and Signature of Person Authorized to Sign)

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

Name, Phone Number, and Address for receipt of official communications and for additional information on this Bid:

\_\_\_\_\_  
(Printed Name, Phone Number)

\_\_\_\_\_  
(Address)

SUBMITTED ON \_\_\_\_\_, 20\_\_\_\_.

**END OF SECTION**

**BID BOND**

BOND NO. \_\_\_\_\_

AMOUNT: \$ \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS, that \_\_\_\_\_

hereinafter called the PRINCIPAL, and \_\_\_\_\_

a corporation duly organized under the laws of the State of \_\_\_\_\_

having its principal place of business at \_\_\_\_\_

\_\_\_\_\_ in the State of \_\_\_\_\_

and authorized to do business in the State of California, as SURETY,

are held and firmly bound unto Santa Ana Watershed Project Authority (SAWPA),

as OWNER, hereinafter called the OBLIGEE, in the sum of \_\_\_\_\_

\_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_)

for the payment for which we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT:

WHEREAS, the PRINCIPAL is herewith submitting his or its Bid for \_\_\_\_\_

said Bid, by reference thereto, being hereby made a part hereof.

NOW, THEREFORE, if said Proposal shall be rejected, or in the alternate, if said Proposal shall be accepted and the PRINCIPAL shall sign and deliver a Contract to OBLIGEE, in the form of Contract attached hereto and shall execute and deliver Performance and Payment Bonds in the forms attached hereto (all completed in accordance with said Proposal) to OBLIGEE, and shall in all other respects perform the agreement created by the acceptance of said Proposal;

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 default of the PRINCIPAL hereunder shall be the amount of this obligation as herein stated.

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

In case suit is brought upon this Bond, SURETY shall pay OWNER all court costs and actual attorneys' fee incurred by OWNER.

IN WITNESS THEREOF, the above-bounded parties have executed this instrument under their several seals, the name and corporate seal of each corporate party being hereto affixed and those presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

\_\_\_\_\_  
PRINCIPAL

By \_\_\_\_\_  
(Printed Name/Title)

\_\_\_\_\_  
SURETY

By \_\_\_\_\_  
Attorney-In-Fact

The rate of premium on this bond is \_\_\_\_\_ per thousand.

Total amount of premium charged \$ \_\_\_\_\_.



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## INSURANCE REQUIREMENTS ACKNOWLEDGEMENT

### Insurance Requirement Summary

The CONTRACTOR shall purchase and maintain insurance provided by insurance companies admitted in and regulated by the State of California, as required in the Contract Documents, and in amounts equal to the requirements set forth in the Contract Documents, and shall not commence work under this contract until all insurance required by the Contract Documents is obtained in a form acceptable to the OWNER, nor shall the CONTRACTOR allow any subcontractor to commence work on a subcontract until all insurance required for the Subcontractor has been obtained.

The CONTRACTOR shall provide the insurance Certifications and Endorsements on the forms provided in Part 4 of the Contract Documents. Such insurance shall include as additional insureds: OWNER, its commissioners, OWNER's employees, consultants, and all public agencies from whom permits will be obtained for this contract; coverage of each named entity shall include their directors, officers, employees and agents. The insurance required herein shall provide that the coverage is Primary, and that no other insurance carried by OWNER will be called upon to contribute to a loss. Insurers must have a current Best's rating of "A" and a current Best's financial rating of at least Class VII.

The CONTRACTOR shall also expressly name the OWNER, and its officers, directors, employees, agents and consultants as "additional insureds" under the insurance policies.

OWNER reserves the right to establish different coverage limits for Public Liability and Property Damage including Motor Vehicle by so providing in writing as an official notice, as a permit requirement, or as a requirement contained elsewhere in the Contract Documents. In such event, the coverage limits therein shall prevail, otherwise, the CONTRACTOR shall meet the following requirements:

- A. Workers' Compensation and Employer's Liability Insurance: The CONTRACTOR shall provide Workers' Compensation Insurance as required by the Labor Code of the State of California. The CONTRACTOR shall require all Subcontractors similarly to provide such Workers' Compensation Insurance for all the latter's employees. CONTRACTOR shall provide Employer's Liability Insurance of at least \$1,000,000.00 per occurrence for bodily injury or death. The CONTRACTOR shall furnish OWNER and the engineer and their additional insureds with an Endorsement of Waiver of Subrogation under the terms of the Workers' Compensation Insurance.
- B. General Liability and Property Damage Insurance: The CONTRACTOR shall carry and maintain general liability insurance coverage for bodily injury, personal injury, including death, and property damage in the sums of not less than \$5,000,000 per occurrence, and property damage in the sum of not less than \$500,000 resulting from, any one accident or any one occurrence which may arise from the operation of the CONTRACTOR in the performance of the project. The policy(ies) shall include a "Cross Liability" and/or "Severability of Interest" clause.

The Liability Insurance Coverage shall include each of the following types of insurance:

- 1) Owner's and, Contractor's Protective.
  - 2) XCU Hazard.
  - 3) Products/Completed Operations Hazard.
  - 4) Contractual Insurance.
  - 5) Broad Form Property Damage, including Completed Operations.
  - 6) Personal Injury/Wrongful Death.
  - 7) Premises Operation.
- C. Motor Vehicle Public Liability And Property Damage Insurance: The CONTRACTOR shall carry and maintain motor vehicle liability insurance for bodily injury, personal injury and property damage insurance coverage on each automobile, truck and other vehicles which are used in the

performance of the contract in an amount of not less than \$5,000,000 per occurrence. The vehicle liability insurance shall include each of the following types:

- 1) Comprehensive form, including loading and unloading.
- 2) Owned.
- 3) Hired.
- 4) Non-owned.

D. Commercial Pollution Liability Insurance: Not Used

E. Builder's Risk (Course Of Construction) Insurance: Not Used

Each of the policies of insurance provided for shall contain a clause substantially in the following words:

"It is hereby understood and agreed that this policy may not be canceled nor the amount of the coverage thereof be reduced until thirty (30) days after receipt by OWNER and its additional insureds of a written notice of such cancellation or reduction in coverage, by certified mail."

If an insurance coverage is canceled, the Contractor shall have a replacement policy in force prior to the cancellation of the previous with the same conditions and requirements as stated herein.

The Contractor shall have presented, at the time of execution of the Contract, the Insurance Certifications and Endorsements required in the Contract Documents.

**ACKNOWLEDGEMENT OF INSURANCE REQUIREMENTS AND  
CERTIFICATION OF ABILITY TO PROVIDE COVERAGE SPECIFIED**

**(To be filled out by Insurance Agent, Carrier, Provider)**

I, \_\_\_\_\_, the \_\_\_\_\_ of  
(President, Manager, Owner)

\_\_\_\_\_ (Name of Company, Corporation)

certify that these insurance requirements have been read and understood and that

\_\_\_\_\_ (Insurance Providers Name)

is able to provide the coverage, as specified.

\_\_\_\_\_  
Signature of President, Manager, Owner

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Insurance Agent, Carrier, Provider

\_\_\_\_\_  
Date

**PART 2**

**CONTRACT FORMS**

## AGREEMENT

THIS AGREEMENT is between the Santa Ana Watershed Project Authority (hereinafter called OWNER) and \_\_\_\_\_ (hereinafter called CONTRACTOR). OWNER and CONTRACTOR may be individually referred to as "Party" or collectively as "the Parties". OWNER and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

1. WORK.

1.1. CONTRACTOR shall complete WORK as specified or indicated in the Contract Documents entitled **Site Clearing - Repairs to Unlined RCP, Reach IV-A (Lower)** Project. The WORK is generally described as follows: site clearing, grubbing and remedial earthwork and related incidental work.

2. ENGINEER.

2.1. RBF Consulting is hereinafter called ENGINEER and is to act as OWNER's representative, assume duties and responsibilities, and have the rights and authority assigned to ENGINEER in the Contract Documents and/or as identified in separate agreement(s) in connection with completion of the WORK in accordance with the Contract Documents.

3. CONTRACT TIMES AND LIQUIDATED DAMAGES.

3.1. Contract Times: CONTRACTOR shall achieve Substantial Completion within 60 calendar days from the commencement date stated in the Notice to Proceed. The WORK shall be completed and ready for final payment within 30 calendar days from the date when the Notice of Completion is filed with the County Recorder.

3.2. Liquidated Damages: OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the WORK is not completed within the times specified in paragraph 3.1 above, plus any extensions thereof. The Parties recognize the delays, expense, and difficulties involved in proving in a legal or other dispute resolution process the actual loss suffered by OWNER if the WORK is not completed on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER two thousand dollars (\$2,000.00) for each day that expires after any of the times or deadlines specified in paragraph 3.1 above, including Substantial Completion, Completion or the Milestone Dates.

4. CONTRACT PRICE.

4.1. OWNER shall pay CONTRACTOR for completion of the WORK in accordance with the Contract Documents in current funds the amount set forth in the Bid Schedule (included as an Exhibit to this Agreement), for a total contract price of \_\_\_\_\_ (\$\_\_\_\_\_).

5. RETENTION.

- 5.1. OWNER shall retain ten (10) percent from the progress payments. At any time after fifty (50) percent of the WORK has been completed as determined by ENGINEER and OWNER, and if the character and progress of the WORK have been, and continue to be, satisfactory to OWNER and ENGINEER, on the recommendation of ENGINEER, OWNER may elect to make any of the remaining progress payments in full for actual WORK completed thereafter.
- 5.2. CONTRACTOR may elect to substitute securities of equivalent value in accordance with the requirements and procedures of Section 22300 of the Public Contract Code of the State of California.

6. INTEREST.

- 6.1. Monies not paid when due as provided in the Invitation to Bid and in Section 14 of the General Conditions shall accrue interest at the rate of one sixth (1/6%) percent per month.

7. CONTRACTOR'S REPRESENTATIONS.

- 7.1. In order to induce OWNER to enter into this Agreement, CONTRACTOR makes the following representations:
- 7.1.1. CONTRACTOR has thoroughly investigated and reviewed the Contract Documents, site, locality, general nature of WORK to be performed by CONTRACTOR or others at the site that relates to the WORK required by the Contract Documents, the physical conditions of the WORK site and area, and federal, state, and local Laws and Regulations that may affect, directly or indirectly, cost, progress, performance, or completion of the WORK.
- 7.1.2. not used
- 7.1.3. not used
- 7.1.4. CONTRACTOR has thoroughly investigated and reviewed the information and data shown or indicated in the Contract Documents on the existing Utilities at or contiguous to the site and has included in its bid sufficient funds to cover all associated costs, without expectation of additional compensation.
- 7.1.5. CONTRACTOR has given ENGINEER written notice of conflicts, inconsistencies, errors, ambiguities, or discrepancies that it has discovered in the Contract Documents, and the written resolution thereof by ENGINEER is acceptable to CONTRACTOR, and the Contract Documents are sufficient to indicate and convey the understanding of terms and conditions for performing and furnishing the WORK. It shall be conclusively presumed that CONTRACTOR waives any claim that it may have, now or in the future, concerning any such conflicts, inconsistencies, errors, ambiguities or discrepancies.
- 7.1.6. CONTRACTOR assumes all risks for the following: All loss and damages which may arise out of the nature of the WORK required by the Contract Documents, or from the action of the elements, or from any unforeseen difficulties which may arise or be encountered in the prosecution of the WORK until acceptance by the OWNER, together with all risks in connection with the WORK and any and all expenses incurred by or in consequence of any suspension or discontinuance of

the WORK, except where the Contract Documents expressly provides that such costs are to be borne by the OWNER.

7.1.7. CONTRACTOR understands, accepts and has included in its bid, as part of the WORK, the responsibility to perform and pay for the following:

7.1.7.1. The additional costs incurred by OWNER providing overtime inspection services as identified in the Contract Documents.

8. CONTRACT DOCUMENTS.

8.1. The Contract Documents which comprise the entire Agreement between OWNER and CONTRACTOR concerning WORK are defined in Section 1 of the General Conditions.

9. WORKERS COMPENSATION INSURANCE.

9.1. By signing this Agreement, CONTRACTOR represents that it is aware of, and compliant with, the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and it will comply with such provisions before commencing the performance of the WORK of this Agreement.

10. ARBITRATION.

10.1. Any dispute which may arise under this Agreement by and between the OWNER and the CONTRACTOR, including the CONTRACTOR's subcontractors, laborers, and suppliers, shall be submitted to binding arbitration. The arbitrator shall decide each and every dispute in accordance with the laws of the State of California, and all other applicable laws. Unless the Parties stipulate to the contrary in writing, prior to the appointment of the arbitrator, all disputes shall first be submitted to non-binding mediation.

11. MISCELLANEOUS.

11.1. This Agreement and the Contract Documents may not be assigned by the CONTRACTOR without the written consent in advance of the OWNER. Monies that may become due and monies that are due may not be assigned without such written consent, and any such assignment will not release or discharge the CONTRACTOR from its obligations under the Contract Documents.

11.2. OWNER and CONTRACTOR each binds itself, its partners, successors, assigns, and legal representatives to the other Party hereto, its partners, successors, assigns, and legal representatives in respect of all covenants, agreements, and obligations contained in the Contract Documents.

11.3. If any arbitration or court action is commenced to enforce or interpret the terms of the Contract Documents, each Party shall bear its own attorneys' fees, costs, and other disbursements in pursuing such action. However, if any third party action is filed against the OWNER to enforce a Stop Notice or other claim related to the Contract Documents, the OWNER shall be entitled to recover from CONTRACTOR its attorneys' fees, costs, and other disbursements incurred in resolving or defending against such third-party action.

11.4. This Agreement, and the Contract Documents incorporated herein, constitutes the entire agreement between the Parties. No oral or written communications or negotiations that occurred before or during the execution of this Agreement will be considered to be a part

of the Contract Documents. The Contract Documents can be modified only by a written document signed by both Parties or as may be provided in the Contract Documents.

- 11.5. There are no intended third party beneficiaries of any right or obligation assumed by the Parties under the Contract Documents.
- 11.6. This Agreement may be signed in counterparts. Each person executing this Agreement represents that the execution of the Agreement has been duly authorized by the Party on whose behalf the person is executing the Agreement, and that such person is authorized to execute the Agreement on behalf of such Party.
- 11.7. If any provision of the Contract Documents is determined by an arbitrator or court of law to be illegal or unenforceable, the same shall be severed from the Contract Documents, and the remainder of the Contract Documents shall be given full force and effect.
- 11.8. Time is of the essence of the Contract Documents.

IN WITNESS WHEREOF, OWNER and CONTRACTOR have signed \_\_\_ copies of this Agreement. All portions of the Contract Documents have been signed or identified by OWNER and CONTRACTOR.

OWNER: Santa Ana Watershed Project Authority

Dated: \_\_\_\_\_ By: \_\_\_\_\_  
CELESTE CANTÚ, General Manager

Address for giving notices: SAWPA, 11615 Sterling Avenue, Riverside, CA 92503

CONTRACTOR: \_\_\_\_\_

License No. \_\_\_\_\_

Date: \_\_\_\_\_ By: \_\_\_\_\_  
(President or Vice President)

(Name and Title) \_\_\_\_\_

Date: \_\_\_\_\_ By: \_\_\_\_\_  
(Secretary or Treasurer)

(Name and Title) \_\_\_\_\_

[CORPORATE SEAL]  
(if CONTRACTOR is a corporation, attach evidence of authority to sign.)

Address for giving notices: \_\_\_\_\_

Agent for service of process: \_\_\_\_\_

**PERFORMANCE BOND**

BOND NO.: \_\_\_\_\_

PREMIUM: \_\_\_\_\_

WHEREAS, the \_\_\_\_\_, (hereinafter designated as "Obligee") and \_\_\_\_\_(hereinafter designated as "Principal") have entered into an agreement whereby principal agrees to install and complete certain designated public improvements, which said agreement, dated \_\_\_\_\_, and identified as project \_\_\_\_\_ is hereby referred to and made a part hereof; and

WHEREAS, said principal is required under the terms of said agreement to furnish a bond for the faithful performance of said agreement;

NOW, THEREFORE, we, the principal and \_\_\_\_\_ as surety, are held and firmly bound unto the Obligee in the penal sum of \_\_\_\_\_ dollars (\$ \_\_\_\_\_) lawful money of the United States for the payment of which sum well and truly to be made, we bind ourselves, our heirs, successors, executors and administrators, jointly and severally firmly by these present.

The condition of this obligation is such that if the above bound Principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and provisions in the said agreement and any alteration thereof made as therein provided, on his or their part, to be kept and performed and at the time and in the manner therein specified in the Agreement, and in all respects according to their true intent and meaning, and shall indemnify and save harmless the Obligee, its officers, agents and employees, as therein stipulated, then this obligation shall be come null and void; otherwise it shall be and remain in full force and effect.

As part of the obligation secured hereby and in addition to the face amount specified therefore, shall be included costs and reasonable expenses and fees, including reasonable attorney's fees, incurred by the Obligee in successfully enforcing such obligation, all to be taxed as costs and included in any judgment rendered.

The surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Agreement or to the work to be performed thereunder or the specification accompanying the same shall in any wise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the agreement or to the work or to the specifications.

IN WITNESS WHEREOF, this instrument has been duly executed by the principal and surety above named, on

By: \_\_\_\_\_  
PRINCIPAL

By: \_\_\_\_\_  
PRINCIPAL

By: \_\_\_\_\_  
(ATTORNEY-IN-FACT)

**PAYMENT BOND**

BOND NO.: \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENT, that we, \_\_\_\_\_ as Principal, and \_\_\_\_\_, incorporated under the laws of the State of California and authorized to execute bonds and undertakings as sole surety, as Surety, are held and firmly bound unto any and all persons named in California Civil Code Section 1181 whose claim has not been paid by the contractor, company or corporation, in the aggregate total of \_\_\_\_\_ dollars (\$ \_\_\_\_\_), for the payment whereof, well and truly to be made, said Principal and Surety bind themselves, themselves, their heirs, administrators, successors and assigns, jointly and severally, firmly by these present.

The condition of the foregoing obligation is such that; whereas the above bound Principal has entered into a contract, dated \_\_\_\_\_, with the \_\_\_\_\_ to do the following work, to-wit:

NOW, THEREFORE, if the above bound Principal contractor, person, company or corporation, or his or its subcontractor, fails to pay any claimant named in Section 3181 of the Civil Code of the State of California, or amounts due under the Unemployment Insurance Code, with respect to work or labor performed by any such claimant, that, the Surety on this bond will pay the same, in an amount not exceeding the aggregate sum specified in this bond, and also in case suit is brought upon this bond, a reasonable attorney's fee, which shall be awarded by the court to the prevailing party in said suit, said attorney's fee to be taxed as costs in said suit.

This bond shall inure to the benefit of any person named in Section 3181 of the Civil Code of the State of California so as to vie a right of action to them or their assignees in any suit brought upon this bond.

This bond is executed and filed to comply with the provisions of the act of Legislature of the State of California as designated in Civil Code Sections 3247-3252 inclusive, and all amendments thereto.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

By: \_\_\_\_\_

By: \_\_\_\_\_  
(ATTORNEY-IN-FACT)

**PART 3**  
**GENERAL CONDITIONS**

**GENERAL CONDITIONS  
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## GENERAL CONDITIONS

### SECTION 1 - DEFINITIONS

Wherever used in these General Conditions or in the other Contract Documents the following terms have the meanings indicated in this Section 1 which meanings are applicable to both the singular and plural thereof. If a word which is entirely in upper case in these definitions is found in lower case in the Contract Documents, then the lower case word will have its ordinary meaning.

*Addenda* - Written or graphic instruments issued prior to the opening of Bids which make additions, deletions, or revisions to the Contract Documents.

*Agreement* - The written contract, including the Contract Documents, between the OWNER and the CONTRACTOR covering the WORK to be performed.

*Application for Payment* - The form accepted by the ENGINEER which is to be used by the CONTRACTOR to request progress payments or final payment and which is to be accompanied by such supporting documentation as is required by the Contract Documents.

*Bid* - The offer or proposal of the Bidder submitted on the prescribed form setting forth the price or prices for the WORK.

*Bonds* - CONTRACTOR's Bid, Performance, and Payment Bonds and other instruments of security.

*Change Order* - A document issued by the OWNER, authorizing an addition, deletion, or revision in the WORK, or an adjustment in the Contract Price or the Contract Times, issued on or after the Effective Date of the Agreement.

*Clarification* - A document issued by the ENGINEER to the CONTRACTOR that interprets the requirement(s) and/or design intent of the Contract Documents, which does not represent an addition, deletion, or revision in the WORK or an adjustment in the Contract Price or the Contract Times.

*Contract Documents* - The Notice Inviting Bids, Instructions to Bidders, Bid Forms (including the Bid, Bid Schedule(s), Information Required of Bidder, Bid Bond, and all required certificates, affidavits and other documentation), Agreement, Performance Bond, Payment Bond, General Conditions, Supplementary General Conditions, Technical Specifications, Drawings, Greenbook (SSPWC), all Addenda, and Change Orders executed pursuant to the provisions of the Contract Documents, covering the Work to be performed. Shop Drawings and Geotechnical Reports are not Contract Documents.

*Contract Price* - The total monies payable by the OWNER to the CONTRACTOR under the terms and conditions of the Contract Documents.

*Contract Times* - The number or numbers of successive calendar days or dates stated in the Contract Documents for the completion of the WORK.

*CONTRACTOR* - The individual, partnership, corporation, joint-venture, or other legal entity with whom the OWNER has executed the Agreement.

*Day* - A calendar day of 24 hours measured from midnight to the next midnight.

*Defective Work* - Work that is unsatisfactory, faulty, or deficient; or that does not conform to the Contract Documents; or that does not meet the requirements of any inspection, reference standard, test, or approval referred to in the Contract Documents; or work that has been damaged prior to final payment.

*Drawings* - The drawings, plans, maps, profiles, diagrams, and other graphic representations which indicate the character, location, nature, extent, and scope of the WORK and which have

been prepared by the ENGINEER and are included and/or referred to in the Contract Documents. Shop Drawings are not Drawings as so defined.

*Effective Date of the Agreement* - The date indicated in the Agreement on which it becomes effective, but if no such date is indicated it means the date on which the Agreement is signed and delivered by the last of the two parties to sign and deliver.

*ENGINEER* - The individual, partnership, corporation, joint-venture, or other legal entity named as such by the OWNER in the Contract Documents.

*Field Order* - A written order issued by the ENGINEER which may or may not involve a change in the WORK.

*Final Payment* - The Final Payment made to CONTRACTOR 35-days after filing the Notice of Completion and pursuant to Section 14.

*General Requirements* – as identified in the first part of the Technical Specifications.

*Greenbook* – Standard Specifications for Public Works Construction (SSPWC), latest edition.

*Hazardous Waste* - The term shall have the meaning provided in Section 4.5 of the General Conditions and Section 1004 of the Solid Waste Disposal Act (42 USC Section 690) as amended from time to time.

*Laws and Regulations* – Any applicable federal, state or local laws, rules, regulations, ordinances, codes and orders.

*Lien* - A Stop Notice filed with the OWNER.

*Milestone* - A principal event specified in the Contract Documents relating to an intermediate completion date of a separately identifiable part of the WORK or a period of time within which the separately identifiable part of the WORK should be performed prior to Substantial Completion of all the WORK.

*Notice of Award* - The written notice by the OWNER to the apparent successful bidder stating that upon compliance by the apparent successful bidder with the conditions precedent enumerated therein within the time specified, the OWNER will enter into an Agreement.

*Notice of Completion* - A form signed by the OWNER that the WORK is Complete and fixing the date of Completion. After acceptance of the WORK by the OWNER's governing body, the form is signed by the OWNER and filed with the County Recorder.

*Notice to Proceed* - The written notice issued by the OWNER to the CONTRACTOR authorizing the CONTRACTOR to proceed with the WORK and establishing the date of commencement of the Contract Times.

*OWNER* - The public body or authority, corporation, association, firm, or person with whom the CONTRACTOR has entered into the Agreement and for whom the WORK is to be provided.

*Partial Utilization* - Use by the OWNER of a substantially completed part of the WORK for the purpose for which it is intended prior to Substantial Completion of all the WORK.

*Project* - The total construction project of which the WORK to be provided under the Contract Documents may be the whole or a part.

*Resident Project Representative* - The authorized representative of the ENGINEER who is assigned to the Site or any part of the WORK.

*Samples* - Physical examples of materials, equipment, or workmanship that are representative of some portion of the WORK and which establish the standards by which such portion of the WORK will be judged.

*Shop Drawings* - All drawings, diagrams, illustrations, schedules, and other data which are specifically prepared by or for the CONTRACTOR and submitted by the CONTRACTOR to illustrate some portion of WORK and all illustrations, brochures, schedules, performance charts, instructions, and diagrams to illustrate material or equipment for some portion of the WORK.

*Site* - Lands or other areas designated in the Contract Documents as being furnished by the OWNER for the performance of the WORK, and related storage or access.

*Specifications* - (Same definition as for Technical Specifications hereinafter).

*Stop Notice* - A legal remedy for subcontractors and suppliers who contribute to public works, but who are not paid for their work, which may secure payment from construction funds possessed by the OWNER.

*Standard Specifications* – Standard Specifications for Public Works Construction (SSPWC) or Green Book, latest edition.

*Subcontractor* - An individual, partnership, corporation, joint-venture, or other legal entity having a direct contract with the CONTRACTOR or with any other Subcontractor for the performance of a part of the WORK at the Site.

*Substantial Completion* - The date when the WORK can be utilized for the purposes for which it was intended; only minor punch list items of work remain; and, the Notice of Completion is expected to be executed and filed with the County within thirty (30) days.

*Supplementary General Conditions* - The part of the Contract Documents which make additions, deletions, or revisions to these General Conditions.

*Supplier* - A manufacturer, fabricator, distributor, materialman, or vendor having a direct contract with the CONTRACTOR or with any Subcontractor to furnish materials, equipment, or product to be incorporated in the WORK by the CONTRACTOR or any Subcontractor.

*Technical Specifications* – The various sections of the Contract Documents which describe the materials and workmanship required to complete the WORK, including the General Requirements, Civil engineering descriptions, standards of construction and drawings.

*Utilities* - All pipelines, conduits, ducts, cables, wires, tracks, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities which have been installed underground or above the ground to furnish any of the following services or materials: water, sewage, sludge, drainage, fluids, electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, traffic control, or other control systems.

*WORK* - The entire completed construction or the various separately identifiable parts thereof required to be furnished under the Contract Documents. WORK is the result of performing or furnishing labor and furnishing and incorporating materials and equipment into the construction, and performing or furnishing services and furnishing documents, all as required by the Contract Documents.

## **SECTION 2 - PRELIMINARY MATTERS**

### **2.1 DELIVERY OF BONDS AND INSURANCE CERTIFICATES**

When the CONTRACTOR delivers the signed Agreement to the OWNER, the CONTRACTOR shall also deliver to the OWNER such Bonds and insurance policies and/or certificates as the Contract Documents and the Notice of Award may require.

## 2.2 COPIES OF DOCUMENTS

The OWNER will furnish to the CONTRACTOR the required number of copies of the Contract Documents specified in the Contract Documents.

## 2.3 COMMENCEMENT OF CONTRACT TIMES; NOTICE TO PROCEED

The Contract Times will start to run on the commencement/effective date stated in the Notice to Proceed.

## 2.4 STARTING THE WORK

- A. The CONTRACTOR shall begin to perform the WORK on the commencement date stated in the Notice to Proceed, but no work shall be done at the Site prior to said commencement date.
- B. Before undertaking each part of the WORK, the CONTRACTOR shall review the Contract Documents in accordance with Section 3.3.

## 2.5 PRECONSTRUCTION CONFERENCE

The CONTRACTOR is required to attend a preconstruction conference. This conference will be attended by the OWNER, ENGINEER, and others as appropriate in order to discuss the WORK.

## 2.6 FINALIZING INITIAL SUBMITTALS

At least 7 days before submittal of the first Application for Payment a conference attended by the CONTRACTOR, the ENGINEER, and others as appropriate will be held to finalize the initial CONTRACTOR submittals in accordance with the Section in the Contract Documents on Contractor Submittals. As a minimum, the CONTRACTOR's representatives should include its project manager and schedule expert. The CONTRACTOR should plan on this meeting taking no less than 8 hours. If the submittals are not finalized at the end of the meeting, additional meetings will be held so that the submittals can be finalized prior to the submittal of the first Application for Payment. No Application for Payment will be processed prior to receiving acceptable initial submittals from the CONTRACTOR.

## **SECTION 3 - INTENT AND USE OF CONTRACT DOCUMENTS**

### 3.1 INTENT

- A. The Contract Documents comprise the entire agreement between the OWNER and the CONTRACTOR concerning the WORK. The Contract Documents are complementary; what is called for by one is as binding as if called for by all. The Contract Documents will be construed in accordance with the law of the State of California.
- B. It is the intent of the Contract Documents to describe the WORK, functionally complete, to be constructed in accordance with the Contract Documents. Any labor, documentation, services, materials, or equipment that may reasonably be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the intended result will be provided whether or not called for specifically.
- C. All WORK shall be done in accordance with "Greenbook" Standard Specifications for Public Works Construction, latest edition, except as presented in the drawings and specifications.
- D. When words or phrases which have a well-known technical or construction industry or trade meaning are used to describe work, materials, or equipment such words or phrases

shall be interpreted in accordance with that meaning unless a definition has been provided in Section 1 of the General Conditions.

### 3.2 REFERENCE TO STANDARDS

Reference to standard specifications, manuals, or codes of any technical society, organization, or association, or to the Laws or Regulations of any governmental authority, whether such reference be specific or by implication, shall mean the latest standard specification, manual, code, or Laws or Regulations in effect at the time of opening of Bids, except as may be otherwise specifically stated. However, no provision of any referenced standard specification, manual or code shall be effective to change the duties and responsibilities of the OWNER, the CONTRACTOR, the ENGINEER, or any of their consultants, agents, or employees, from those set forth in the Contract Documents, nor shall it be effective to assign to OWNER, ENGINEER, or any of ENGINEER's consultants, agents, or employees any duty or authority to direct the performance of the WORK or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents.

### 3.3 REVIEW OF CONTRACT DOCUMENTS

If, during the performance of the WORK, CONTRACTOR discovers any conflict, error, ambiguity or discrepancy within the Contract Documents or between the Contract Documents and any provision of any such Law or Regulation applicable to the performance of the WORK or of any such standard, specification, manual, or code, or of any instruction of any Supplier, CONTRACTOR shall report it to ENGINEER in writing at once, and CONTRACTOR shall not proceed with the work affected thereby (except in an emergency as authorized by Section 6.12) until a Clarification, Field Order, or Change Order to the Contract Documents has been issued.

### 3.4 ORDER OF PRECEDENCE OF CONTRACT DOCUMENTS

A. If there is a conflict between Contract Documents, the document with the most stringent requirements, as determined by the ENGINEER, shall control. In other cases, the precedent shall be:

1. Permits from other agencies as may be required by law
2. Supplementary General Provisions
3. Drawings
4. General Conditions
5. Technical Specifications
6. Referenced Standard Plans
7. Referenced Standard Specifications

B. With reference to the Drawings the order of precedence is as follows:

1. Figures govern over scaled dimensions
2. Detail drawings govern over general drawings
3. Addenda/Change Order drawings govern over any other drawings
4. Drawings govern over standard drawings

### 3.5 AMENDING CONTRACT DOCUMENTS

The Contract Documents may be amended to provide for additions, deletions, and revisions in the WORK or to modify the terms and conditions thereof by a Change Order (pursuant to Section 10).

### 3.6 REUSE OF DOCUMENTS

Neither the CONTRACTOR, nor any Subcontractor or Supplier, nor any other person or organization performing any of the WORK under a contract with the OWNER shall have or acquire any title to or ownership rights in any of the Drawings, Technical Specifications, or other documents used on the WORK, and they shall not reuse any of them on the extensions of the Project or any other project without written consent of OWNER.

## **SECTION 4 - SITE OF THE WORK**

### 4.1 AVAILABILITY OF LANDS

The OWNER will furnish, as indicated in the Contract Documents, the lands upon which the WORK is to be performed, rights-of-way and easements for access thereto, and such other lands which are designated for the use of the CONTRACTOR. Easements for permanent structures or permanent changes in existing facilities will be obtained and paid for by the OWNER, unless otherwise provided in the Contract Documents. Nothing contained in the Contract Documents shall be interpreted as giving the CONTRACTOR exclusive occupancy of the lands or rights-of-way provided. The CONTRACTOR shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment; provided, that the CONTRACTOR shall not enter upon nor use any property not under the control of the OWNER until a written temporary construction easement agreement has been executed by the CONTRACTOR and the property owner, and a copy of said easement furnished to the ENGINEER prior to said use; and, neither the OWNER nor the ENGINEER will be liable for any claims or damages resulting from the CONTRACTOR's trespass on or use of any such properties. The CONTRACTOR shall provide the OWNER with a signed release from the property owner confirming that the lands have been satisfactorily restored upon completion of the WORK.

### 4.2 REPORTS OF PHYSICAL CONDITIONS

- A. Subsurface Explorations: Reference is made to the Contract Documents for identification of those reports of explorations and tests of subsurface conditions at the Site that have been utilized by the ENGINEER in the preparation of the Contract Documents.
- B. Existing Structures: Reference is made to the Contract Documents for identification of those drawings of physical conditions in or relating to existing surface and subsurface structures (except underground Utilities referred to in Section 4.3 herein) which are at or contiguous to the Site that have been utilized in the preparation of the Contract Documents.
- C. Neither the OWNER nor ENGINEER makes any representation to the completeness of the reports or drawings referred to in Section 4.2 A or B above or the accuracy of any data or information contained therein. The CONTRACTOR may rely upon the accuracy of the technical data contained in such reports and drawings. However, the CONTRACTOR may not rely upon any interpretation of such technical data, including any interpolation or extrapolation thereof, or any non-technical data, interpretations, and opinions contained therein.

#### 4.3 PHYSICAL CONDITIONS - UNDERGROUND UTILITIES

- A. Indicated: The information and data indicated in the Contract Documents with respect to existing underground Utilities at or contiguous to the Site are based on information and data furnished to the OWNER or the ENGINEER by the owners of such underground Utilities or by others. Unless it is expressly provided in the Contract Documents, the OWNER and the ENGINEER will not be responsible for the accuracy or completeness of any such information or data, and the CONTRACTOR shall have full responsibility for reviewing and checking all such information and data, for locating all underground Utilities indicated in the Contract Documents, for coordination of the WORK with the owners of such underground Utilities during construction, for the safety and protection thereof and repairing any damage thereto resulting from the WORK, the cost of all of which are deemed to have been included in the Contract Price.
- B. Not Indicated: If an underground Utility is uncovered or revealed at or contiguous to the Site which was not indicated in the Contract Documents and which the CONTRACTOR could not reasonably have been expected to be aware of, or could not have been located by CONTRACTOR's use of Underground Service Alert (USA), the CONTRACTOR shall identify the owner of such underground Utility and give written notice thereof to that owner and shall notify the ENGINEER in accordance with the requirements of the Contract Documents.

#### 4.4 DIFFERING SITE CONDITIONS

- A. The CONTRACTOR shall notify the ENGINEER, in writing, of the following unforeseen conditions, hereinafter called differing Site conditions, promptly upon their discovery (but in no event later than 14 days after their discovery) and before they are disturbed:
  - 1. Subsurface or latent physical conditions at the Site of the WORK differing materially from those indicated, described, or delineated in the Contract Documents, including those reports discussed in Section 4.2, 4.3, and 4.5; and
  - 2. Unknown physical conditions at the Site of the WORK of an unusual nature differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents, including those reports and documents discussed in Section 4.2, 4.3, and 4.5.
- B. The ENGINEER will review the pertinent conditions, determine the necessity of obtaining additional explorations or tests with respect thereto, and advise the OWNER, in writing, of the ENGINEER's findings and conclusions.
- C. If the OWNER concludes that because of newly discovered conditions a change in the Contract Documents is required, a Change Order will be issued as provided in Section 10 to reflect and document the consequences of the difference.
- D. In each such case, an increase or decrease in the Contract Price or an extension or shortening of the Contract Times, or any combination thereof, will be allowable to the extent that they are attributable to any such difference. If the OWNER and the CONTRACTOR are unable to agree as to the amount or length thereof, a claim may be made therefor as provided in Section's 11 and 12.
- E. The CONTRACTOR's failure to give notice of differing Site conditions within 14 days of their discovery and before they are disturbed shall constitute a waiver of all claims in connection therewith, whether direct or consequential in nature.

#### 4.5 HAZARDOUS WASTE

- A. Reference is made to the Contract Documents for identification of those reports and drawings relating to Hazardous Waste, including Asbestos, PCBs, Petroleum and/or Radioactive Material identified at the Site that have been utilized by the ENGINEER in the preparation of the Contract Documents.
- B. OWNER shall be responsible for any Hazardous Waste uncovered or revealed at the Site which was not shown or indicated in Drawings or Specifications or identified in the Contract Documents to be within the scope of the WORK and which may present a substantial danger to persons or property exposed thereto in connection with the WORK at the Site. OWNER shall not be responsible for any such material brought to the Site by CONTRACTOR, Subcontractors, Suppliers, or anyone else for whom CONTRACTOR is responsible.
  - 1. Upon discovery of any Hazardous Waste the CONTRACTOR shall immediately stop all work in any area affected thereby (except in an emergency as required by Section 6.12) and notify OWNER and ENGINEER (and thereafter confirm such notice in writing). CONTRACTOR shall not be required to resume any work in any such affected area until after OWNER has obtained any required permits related thereto and delivered to CONTRACTOR special written notice. Such written notice will specify that such condition and any affected area is or has been rendered safe for the resumption of the work or specify any special conditions under which the work may be resumed safely. If OWNER and CONTRACTOR cannot agree as to entitlement to or the amount or extent of adjustment, if any, in Contract Price or Contract Times as a result of such work stoppage or such special conditions under which work is agreed by CONTRACTOR to be resumed, either party may make a claim therefor as provided in Sections 11 and 12.
  - 2. If, after receipt of such special written notice, CONTRACTOR does not agree to resume such WORK based on a reasonable belief it is unsafe, or does not agree to resume such WORK under special conditions, then OWNER may order such portion of the WORK that is in connection with such hazardous condition or in such affected area to be deleted from the WORK. If OWNER and CONTRACTOR cannot agree as to entitlement to or the amount or extent of an adjustment, if any, in Contract Price or Contract Times as a result of deleting such portion of the WORK then either party may make a claim therefor as provided in Sections 11 and 12. OWNER may have such deleted portion of the WORK performed by OWNER's own forces or others in accordance with Section 7.
- C. The provisions of Sections 4.2, 4.3, and 4.4 are not intended to apply to Hazardous Waste uncovered or revealed at the Site.

#### 4.6 REFERENCE POINTS (NOT USED)

### **SECTION 5 - BONDS AND INSURANCE**

#### 5.1 BONDS

- A. The CONTRACTOR shall furnish Performance and Payment Bonds, each in the amount set forth in the Contract Documents, as security for the faithful performance and payment of all the CONTRACTOR's obligations under the Contract Documents. These Bonds shall remain in effect at least until two years after the date of Final Payment, except as otherwise provided by Law or Regulation or by the Contract Documents. The

CONTRACTOR shall also furnish such other Bonds as are required by the Contract Documents.

- B. All Bonds shall be in the form prescribed by the Contract Documents except as provided otherwise by Laws or Regulations, and shall be executed by such California admitted sureties as are named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Audit Staff, Bureau of Government Financial Operations, U.S. Treasury Department. All Bonds signed by an agent must be accompanied by the following:
1. The original, or a certified copy, of the unrevoked appointment, power of attorney, bylaws or other instrument entitling or authorizing the person who executed the bond to do so;
  2. A certified copy of the certificate of authority of the insurer issued by the Insurance Commissioner;
  3. A certificate from the County Clerk that the certificate of authority of the insurer has not been surrendered, revoked, cancelled, annulled, or suspended or, in the event that it has, that renewed authority has been granted;
  4. Copies of the insurer's most recent annual statement and quarterly statement filed with the Department of Insurance;
  5. Current documents demonstrating to the OWNER's satisfaction that surety's assets exceed its liabilities in an amount equal to or in excess of the amount of the bonds.
- C. If the surety on any Bond furnished by the CONTRACTOR is declared a bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the WORK is located, the CONTRACTOR shall within 7 days thereafter substitute another Bond and surety, which must be acceptable to the OWNER.
- D. All Bonds required by the Contract Documents to be purchased and maintained by CONTRACTOR shall be obtained from surety companies that are duly licensed and admitted in the State of California to issue Bonds for the limits so required. Such surety companies shall also meet such additional requirements and qualifications as may be provided in the Contract Documents.
- E. CONTRACTOR's liabilities under the Contract Documents shall not be limited in any way to the Bonds required herein.

## 5.2 INSURANCE

- A. The CONTRACTOR shall purchase and maintain the insurance required under this Section. Such insurance shall include the specific coverages set out herein and be written for not less than the limits of liability and coverages provided in the Contract Documents, or required by Laws or Regulations, whichever are greater. All insurance shall be maintained continuously during the life of the Agreement including through the Warranty / Guarantee period and at all times when the CONTRACTOR may be correcting, removing, or replacing Defective Work in accordance with Section 13.5. The CONTRACTOR's liabilities under the Contract Documents shall not be deemed limited in any way to the insurance coverage required herein. The insurance required herein shall provide that the coverage is primary, and that no other insurance held carried by OWNER will be called to contribute to a loss.

- B. All insurance required by the Contract Documents to be purchased and maintained by the CONTRACTOR shall be obtained from insurance companies that are duly licensed and admitted to issue insurance policies for the limits and coverages so required in the State of California. Such insurance companies shall have a current Best's Rating of at least an "A" (Excellent) general policy holder's rating and a Class VII financial size category and shall also meet such additional requirements and qualifications as may be provided in the Contract Documents.
- C. The CONTRACTOR shall furnish the OWNER, with copies to each additional insured who is indicated in the Contract Documents, with certificates and original endorsements showing the type, amount, class of operations covered, effective dates and dates of expiration of policies. All of the policies of insurance so required to be purchased and maintained (or the certificates or other evidence thereof) shall contain a provision or endorsement that the coverage afforded will not be canceled, reduced in coverage, or renewal refused until at least 30 days prior written notice has been received by the OWNER and additional insureds by certified mail. All such insurance required herein (except for worker's compensation) shall name the OWNER and ENGINEER, and their consultants and subconsultants and their officers, directors, agents, and employees as "additional insureds" under the policies. The CONTRACTOR shall purchase and maintain the following insurance:
1. **Workers' Compensation and Employer's Liability:** This insurance shall protect the CONTRACTOR against all claims under applicable workers' compensation laws or federal acts, including claims for injury, disease, or death of employees which, for any reason, may not fall within the provisions of a workers' compensation law. The CONTRACTOR shall require each subcontractor similarly to provide workers' compensation insurance and employer's liability insurance for all of the latter's employees to be engaged in such work unless such employees are covered by the protection afforded by the CONTRACTOR's workers' compensation insurance. The CONTRACTOR and each Subcontractor shall provide a waiver of subrogation in favor of the OWNER and ENGINEER, and their additional insureds.
  2. **Commercial General Liability:** This insurance shall be written in comprehensive form and shall be at least as broad as insurance services office commercial general liability coverage (occurrence Form CG 0001), and shall protect the CONTRACTOR and OWNER against all claims arising from injuries to persons or damage to property arising out of any act or omission of the CONTRACTOR or its agents, employees, or subcontractors. The policy shall also include "owner's and contractor's protective liability" endorsement and contractual coverage to insure the contractual liability assumed by the CONTRACTOR under the indemnification provisions in the General Conditions. To the extent that the CONTRACTOR's work, or work under its direction, may require blasting, explosive conditions, or underground operations, the comprehensive or commercial general liability coverage shall specifically include coverage relative to blasting, explosion, collapse, and/or underground hazards.
  3. **Commercial Automobile Liability:** This insurance shall be written in comprehensive form and shall be at least as broad as Insurance Services Office Business Auto Coverage (Form CA 0001), covering Code 1 (any auto), and shall protect the CONTRACTOR and OWNER against all claims for injuries to members of the public and damage to property of others arising from the use of motor vehicles, and shall cover operation on or off the Site of all motor vehicles licensed for highway use, whether they are owned, nonowned, or hired.

4. Subcontractor's Liability Insurance: The CONTRACTOR shall either require each of the Subcontractors to procure and to maintain subcontractors liability, property damage insurance and vehicle liability insurance of the type and in the same amounts specified in the Contract Documents for the CONTRACTOR.
5. Builder's Risk: This insurance shall be of the "all risks" type, shall be written in completed value form, and shall protect the CONTRACTOR, Subcontractors, the OWNER, and the ENGINEER, against risks of damage to buildings, structures, and materials and equipment (including any stored off-site and while in transit), CONTRACTORS' equipment, debris removal and including demolition and contingent loss occasioned by enforcement of any applicable legal requirements, and shall cover reasonable compensation for ENGINEER'S services and expenses required as a result of such insured loss. The amount of such insurance shall be not less than the insurable value of the WORK at completion plus equipment. Builders risk insurance shall provide for losses to be payable to the CONTRACTOR and the OWNER, as their interests may appear. This insurance shall contain a provision that in the event of payment for any loss under the coverage provided, the insurance company shall have no rights of recovery against the CONTRACTOR, the OWNER, and the ENGINEER. This insurance shall insure against all risks of loss (including earthquake, flood and collapse) and, at the option of the OWNER, shall include comprehensive boiler and machinery coverage including coverage for installation and testing.
6. Deductibles and Self-Insured Retentions: Any deductibles or self-insured retentions shall be declared to an approved by the OWNER in advance.

## **SECTION 6 - CONTRACTORS RESPONSIBILITIES**

### **6.1 SUPERVISION AND SUPERINTENDENCE**

- A. The CONTRACTOR shall supervise, inspect, and direct the WORK safely, competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the WORK in accordance with the Contract Documents. The CONTRACTOR shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction and all safety precautions and programs incidental thereto. The CONTRACTOR shall be responsible to see that the completed WORK complies accurately with the Contract Documents.
- B. The CONTRACTOR shall designate in writing and keep on the Site at all times during the performance of the WORK a technically qualified, English-speaking superintendent, who is an employee of the CONTRACTOR and who shall not be replaced without written notice to the OWNER and the ENGINEER. The superintendent shall be the CONTRACTOR's representative at the Site and shall have authority to act on behalf of the CONTRACTOR. All communications given to the superintendent shall be as binding as if given to the CONTRACTOR.
- C. The CONTRACTOR's superintendent shall be available by phone for emergencies 24 hours per day, 7 days per week. Failure to observe this requirement shall be considered suspension of the WORK by the CONTRACTOR until such time as such superintendent is again present at the Site.
- D. CONTRACTOR shall be responsible for protecting the WORK from any and all acts or occurrences including the weather.

## 6.2 LABOR, MATERIALS, AND EQUIPMENT

- A. The CONTRACTOR shall provide competent, suitably qualified personnel to survey and lay out the WORK and perform construction as required by the Contract Documents. The CONTRACTOR shall furnish, erect, maintain, and remove the construction plant and any required temporary works. The CONTRACTOR shall at all times maintain good discipline and order at the Site. Except in connection with the safety or protection of persons or the WORK or property at the Site or adjacent thereto, and except as otherwise indicated in the Contract Documents, all work at the Site shall be performed during regular working hours, and the CONTRACTOR will not permit overtime work or the performance of work on Saturday, Sunday, or any federally observed holiday without the OWNER's written consent. The CONTRACTOR shall apply for this consent through the ENGINEER in writing a minimum of 24 hours in advance.
- B. Except as otherwise provided in this Section, the CONTRACTOR shall receive no additional compensation for overtime work (i.e., work in excess of 8 hours in any one calendar day or 40 hours in any one calendar week), even though such overtime work may be required under emergency conditions and may be ordered by the ENGINEER in writing. Additional compensation will be paid to the CONTRACTOR for overtime work only in the event extra work is ordered by the ENGINEER and a Change Order specifically authorizes the use of overtime work and then only to such extent as overtime wages are regularly being paid by the CONTRACTOR for overtime work of a similar nature in the same locality.
- C. All increased costs of inspection and testing performed during overtime work by the CONTRACTOR which is allowed for the convenience of the CONTRACTOR shall be borne by the CONTRACTOR. The OWNER has the authority to deduct the cost of all such inspection and testing from any partial payments otherwise due to the CONTRACTOR.
- D. Unless otherwise specified in the Contract Documents, the CONTRACTOR shall furnish and assume full responsibility for all materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, lubricants, power, light, heat, telephone, water, sanitary facilities, and all other facilities, consumables, and incidentals necessary for the furnishing, performance, testing, start-up, and completion of the WORK.
- E. All materials and equipment incorporated into the WORK shall be of specified quality and new, except as otherwise provided in the Contract Documents. All warranties and guarantees specifically called for by the Specifications shall expressly run to the benefit of the OWNER. If required by the ENGINEER, the CONTRACTOR shall furnish satisfactory evidence (including reports of required tests) as to the source, kind and quality of materials and equipment. All materials and equipment shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with the instructions of the applicable Supplier except as otherwise provided in the Contract Documents; but no provisions of any such instructions will be effective to assign to the OWNER, ENGINEER, or any of their consultants, agents, or employees, any duty or authority to supervise or direct the furnishing or performance of the WORK or any duty or authority to undertake responsibility contrary to the provisions of Section 9.9 C.

## 6.3 SCHEDULE

The CONTRACTOR shall comply with the Schedule requirements described in Section 5.3 of the Supplementary General Provisions.

#### 6.4 SUBSTITUTES OR "OR EQUAL" ITEMS

The CONTRACTOR shall submit proposed substitutes or "or equal" items in accordance with the provisions on Products, Materials, Equipment, and Substitutions in the Contract Documents.

#### 6.5 RESPONSIBILITY FOR SUBCONTRACTORS, SUPPLIERS AND OTHERS

The CONTRACTOR shall be responsible to the OWNER and the ENGINEER for the acts and omissions of its Subcontractors, Suppliers, and their employees to the same extent as CONTRACTOR is responsible for the acts and omissions of its own employees. Nothing contained in this Section shall create any contractual relationship between any Subcontractor and the OWNER or the ENGINEER, nor relieve the CONTRACTOR of any liability or obligation under the Contract Documents. The CONTRACTOR shall include these General Conditions and the Contract Documents as a part of all its subcontract and supply agreements.

#### 6.6 PERMITS

Unless otherwise provided in the Contract Documents, the CONTRACTOR shall obtain and pay for all construction permits and licenses required for the work from the agencies having jurisdiction, including the furnishing of insurance and bonds if required by such agencies. The enforcement of such requirements shall not be made the basis for claims for additional compensation by CONTRACTOR. When necessary, the OWNER will endeavor to assist the CONTRACTOR in obtaining such permits and licenses. The CONTRACTOR shall pay all governmental charges and inspection fees necessary for the prosecution of the WORK. The CONTRACTOR shall pay all charges of utility owners for inspection or connections to the WORK.

#### 6.7 PATENT FEES AND ROYALTIES

The CONTRACTOR shall pay all license and patent fees and royalties and assume all costs incident to the use in the performance of the WORK or the incorporation in the WORK of any invention, design, process, product, or device which is the subject of patent or license rights or copyrights held by others. If a particular invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the WORK and if to the actual knowledge of the OWNER or the ENGINEER its use is subject to patent or license rights or copyrights calling for the payment of any fee or royalty to others, the existence of such rights will be disclosed by the OWNER in the Contract Documents. The CONTRACTOR's indemnification obligation for all claims and liabilities arising out of any infringement of patent rights or copyrights incident to the use in the performance of the WORK or resulting from the incorporation in the WORK of any invention, design, process, product, or device not specified in the Contract Documents shall be in accordance with Section 6.16 of these General Conditions.

#### 6.8 LAWS AND REGULATIONS

The CONTRACTOR shall observe and comply with all Laws and Regulations which in any manner affect those individuals, entities, employees, agents, subcontractors and suppliers engaged or employed on the WORK, the materials used in the WORK, or the conduct of the WORK. If any discrepancy or inconsistency should be discovered between the Contract Documents and any such Laws or Regulations, the CONTRACTOR shall report the same in writing to the ENGINEER. Any particular Law or Regulation specified or referred to in the Contract Documents shall not in any way limit the obligation of the CONTRACTOR to comply with all Laws and Regulations. The CONTRACTOR's indemnification obligations for all claims or liability arising from violation of any such law, ordinance, code, order, or regulation, whether by CONTRACTOR or by its employees, agents, subcontractors or suppliers shall be in accordance with Section 6.16 of these General Conditions.

## 6.9 TAXES

The CONTRACTOR shall pay all sales, consumer, use, and other similar taxes required to be paid by the CONTRACTOR in accordance with the Laws and Regulations which are applicable during the performance of the WORK.

## 6.10 USE OF PREMISES

The CONTRACTOR shall confine construction equipment, the storage of materials and equipment, and the operations of workers to the Site, the land and areas identified in and permitted by the Contract Documents, and the other land and areas permitted by Laws and Regulations, rights-of-way, permits, and easements. The CONTRACTOR shall assume full liability and responsibility for any injuries or damage to any such land or area, or to the owner or occupant thereof or of any land or areas contiguous thereto, resulting from the performance of the WORK. Should any claim be made against the OWNER or the ENGINEER by any such owner or occupant or any other third party because of the performance of the WORK, the CONTRACTOR shall promptly attempt to settle with such other party by agreement or otherwise resolve the claim through litigation at the CONTRACTOR's sole expense. The CONTRACTOR's indemnification obligations for all claims and liability, arising directly, indirectly, or consequentially out of any action, legal or equitable, brought by any such owner, occupant or third party against the OWNER, the ENGINEER, their consultants, subconsultants, and the officers, directors, employees and agents to the extent caused by or based upon the CONTRACTOR's performance of the WORK shall be in accordance with Section 6.16 of these General Conditions.

## 6.11 SAFETY AND PROTECTION

- A. The CONTRACTOR shall be solely responsible for the health and safety of its employees, agents and subcontractors in performing the work. CONTRACTOR shall ensure strict compliance with all Cal/OSHA safety requirements. The CONTRACTOR shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the WORK. The CONTRACTOR shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:
1. All persons at the Site and other persons and organizations who may be affected thereby including all employees, subcontractors, laborers and suppliers, and their employees;
  2. All the WORK and materials and equipment to be incorporated therein, whether in storage on or off the Site; and
  3. Other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of the performance of the WORK.
- B. The CONTRACTOR shall comply with all applicable Laws and Regulations relating to the safety of persons or property or to the protection of persons or property from damage, injury, or loss and shall erect and maintain all necessary safeguards for such safety and protection. The CONTRACTOR shall notify owners of adjacent property and utilities when prosecution of the WORK may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property. CONTRACTOR'S duties and responsibilities for safety and for protection of the WORK shall continue until Final Payment.

- C. The CONTRACTOR shall designate a qualified and experienced safety representative for the WORK and at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.
- D. Materials that contain hazardous substances or mixtures may be required on the WORK. A Material Safety Data Sheet shall be made available at the Site by the CONTRACTOR for every hazardous product used.
- E. Material usage shall strictly conform to OSHA safety requirements and all manufacturer's warnings and application instructions listed on the Material Safety Data Sheet and on the product container label.
- F. The CONTRACTOR shall be responsible for the exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.
- G. The CONTRACTOR shall notify the ENGINEER if it considers a specified product or its intended use to be unsafe. This notification shall be given to the ENGINEER prior to the product being ordered, or if provided by some other party, prior to the product being incorporated in the WORK.

#### 6.12 EMERGENCIES

In emergencies affecting the safety or protection of persons or the WORK or property at the Site or adjacent thereto, CONTRACTOR, without special instruction or authorization from OWNER or ENGINEER, is obligated to immediately act to prevent threatened damage, injury, or loss. CONTRACTOR shall give ENGINEER and OWNER prompt written notice if CONTRACTOR believes that any significant changes in the WORK or variations from the Contract Documents have been caused thereby. If OWNER determines that a change in the Contract Documents is required because of the action taken by CONTRACTOR in response to such an emergency, a Change Order will be issued to document the consequences of such action.

#### 6.13 SUBMITTALS

- A. After checking and verifying all field measurements and after complying with applicable procedures specified in the General Conditions, the CONTRACTOR shall submit to the ENGINEER for review all Shop Drawings in accordance with the accepted schedule of Shop Drawing submittals specified in the Section in the Contract Documents on Contractor Submittals.
- B. The CONTRACTOR shall also submit to the ENGINEER for review all Samples in accordance with the accepted schedule of Sample submittals specified in the Section in the Contract Documents on Contractor Submittals.
- C. Before submittal of each Shop Drawing or Sample, the CONTRACTOR shall have determined and verified all quantities, dimensions, specified performance criteria, installation requirements, materials, catalog numbers, and similar data with respect thereto and reviewed or coordinated each Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the WORK and the Contract Documents. The CONTRACTOR shall provide submittals in accordance with the requirements of the Section in the Contract Documents on Contractor Submittals.

#### 6.14 CONTINUING THE WORK

The CONTRACTOR shall carry on the WORK and adhere to the progress schedule during all disputes or disagreements with the OWNER. No WORK shall be delayed or postponed pending

resolution of any disputes or disagreements, except as the CONTRACTOR and the OWNER may otherwise agree in writing.

#### 6.15 CONTRACTOR'S GENERAL WARRANTY AND GUARANTEE

- A. CONTRACTOR warrants and guarantees to OWNER, ENGINEER and ENGINEER's consultants that all WORK will be in accordance with the Contract Documents and will not be defective. CONTRACTOR's warranty and guarantee hereunder excludes defects or damage caused by:
1. Abuse, improper modification, or improper maintenance or operation by persons other than CONTRACTOR, Subcontractors, or Suppliers, or any other individual or entity for whom CONTRACTOR is responsible, provided the CONTRACTOR has been previously relieved of responsibility for protection of such equipment by written action of the OWNER;
  2. Normal wear and tear under normal usage.
- B. CONTRACTOR's obligation to perform and complete the WORK in accordance with the Contract Documents shall be absolute. None of the following shall constitute an acceptance of WORK that is not in accordance with the Contract Documents or a release of CONTRACTOR's obligation to perform the WORK in accordance with the Contract Documents:
1. Observations by ENGINEER;
  2. Recommendation by ENGINEER or payment by OWNER of any progress or final payment;
  3. The issuance of a Certificate of Completion by the OWNER or the use or occupancy of the WORK or any part thereof by the OWNER;
  4. Any acceptance by OWNER or any failure to do so;
  5. Any review and approval of a Shop Drawing or Sample submittal or the issuance of a notice of acceptability by ENGINEER pursuant to Section 14.7 B.;
  6. Any inspection, test, or approval by others; or
  7. Any correction of Defective Work by OWNER.

#### 6.16 INDEMNIFICATION

- A. To the fullest extent permitted by Laws and Regulations, the CONTRACTOR shall indemnify, defend, and hold harmless the OWNER, the ENGINEER, their consultants, subconsultants, and the officers, directors, employees, and agents of each and any of them, against and from all claims and liability, including attorneys and litigation costs, arising under, by reason of, related, or incidental to the Contract Documents or any performance of the WORK, but not from the active negligence or willful misconduct of the OWNER and/or the ENGINEER. Such indemnification by the CONTRACTOR shall include, but not be limited to, the following:
1. Liability or claims arising directly or indirectly from the negligence, carelessness or willful misconduct of the CONTRACTOR, its employees, agents, subcontractors or suppliers in the performance of the WORK, or in guarding or maintaining the same, or from any improper materials, implements, or appliances used in its construction, or by or on account of any act or omission of the CONTRACTOR, its employees, or agents;

2. Liability or claims arising, directly or indirectly, from bodily injury, occupational sickness or disease, or death of the CONTRACTOR's, subcontractor's, or supplier's own employees, or agents engaged in the WORK resulting in actions brought by or on behalf of such employees or agents against the OWNER and/or the ENGINEER;
  3. Liability or claims arising, directly or indirectly, related to the work, from or based on the violation of any Laws or Regulations, by the CONTRACTOR, its employees, agents, subcontractors or suppliers;
  4. Liability or claims arising, directly or indirectly, from the improper or unapproved use or manufacture by the CONTRACTOR, or its subcontractors or suppliers, or any of their employees or agents of any copyrighted or uncopyrighted composition, secret process, patented or unpatented invention, or appliance in the performance of this Agreement;
  5. Liability or claims arising, directly or indirectly, from the breach of any warranties, whether express or implied, made to the OWNER and/or ENGINEER or any other parties by the CONTRACTOR, or its subcontractors or suppliers, or any of their employees, or agents;
  6. Liability or claims, arising directly or indirectly, from any breach of the obligations assumed in this Agreement by the CONTRACTOR, Subcontractors, Suppliers, or any of their employees or agents;
  7. Liability or claims arising, directly or indirectly, from, relating to, or resulting from a hazardous condition created by the CONTRACTOR, Subcontractors, Suppliers, or any of their employees or agents; and
  8. Liability or claims arising, directly or indirectly, out of any court or administrative action brought against the OWNER, the ENGINEER, their consultants, subconsultants, and the officers, directors, employees and agents of any of them, to the extent caused by the CONTRACTOR's use of any premises acquired by permits, rights of way, or easements, the Site, or any land or areas contiguous thereto or its performance of the WORK thereon.
- B. The CONTRACTOR shall reimburse the OWNER and the ENGINEER for all costs and expenses, (including but not limited to fees and expenses of engineers, architects, attorneys, and other professionals and court costs) incurred by said OWNER and ENGINEER in enforcing the provisions of this Section 6.16, or related to any indemnification obligation in the Contract Documents.
- C. The indemnification obligation under this Section 6.16 shall not be limited in any way by any limitation on the amount or type of insurance carried by CONTRACTOR or by the amount or type of damages, compensation, or benefits payable by or for the CONTRACTOR or any subcontractor, supplier, agent, employee or other person or entity.

#### 6.17 CONTRACTOR'S DAILY REPORTS

The CONTRACTOR shall complete a daily report indicating location worked, total manpower for each construction trade, major equipment on Site, each subcontractors manpower and equipment, weather conditions, and other related information involved in the performance of the WORK. The daily report shall be completed on forms approved by the ENGINEER, and shall be submitted to the ENGINEER at the conclusion of each workday. The daily report shall

comment on the daily progress and status of each major component of the WORK. The breakdown of these components will be decided by the ENGINEER.

## **SECTION 7 -- OTHER WORK**

### **7.1 RELATED WORK AT SITE**

- A. The OWNER may perform other work related to the Project at the Site by the OWNER's own forces, have other work performed by utility owners, or let other direct contracts for such other work. Within Public Right-of-Way other Agencies may have contracts for their Work at the Site. There shall be no distinction between any other public work at the Site; Contractor is required to cooperate and coordinate with all other Contractors. If such other work to be performed was not noted in the Contract Documents, written notice thereof will be given to the CONTRACTOR prior to starting any such other work.
- B. The CONTRACTOR shall afford each person who is performing the other work with proper and safe access to the Site and a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work, and shall properly coordinate the WORK with theirs. The CONTRACTOR shall do all cutting, fitting, and patching of the WORK that may be required to properly connect or otherwise make its several parts come together and properly integrate with such other work. The CONTRACTOR shall not endanger any work of others by cutting, excavating, or otherwise altering their work and will only cut or alter their work with the written consent of the ENGINEER and the others whose work will be affected.
- C. If the proper execution or results of any part of the CONTRACTOR's work depends upon such other work by another, the CONTRACTOR shall inspect and report to the ENGINEER in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for such proper execution and results. The CONTRACTOR's failure to report such delays, defects, or deficiencies will constitute an acceptance of the other work as fit and proper for integration with the CONTRACTOR's work except for latent or nonapparent defects and deficiencies in the other work.

### **7.2 COORDINATION**

If OWNER contracts with others for the performance of other work at the Site, the CONTRACTOR shall cooperate and coordinate access and work with such other contractors so that each can complete their work to their mutual benefit.

## **SECTION 8 - OWNER'S RESPONSIBILITIES**

### **8.1 COMMUNICATIONS**

All routine and/or daily communications to and from the CONTRACTOR are expected to go through the ENGINEER. Contract Documents are expected to go directly to the contracting entities, with copies to the ENGINEER.

### **8.2 PAYMENTS**

The OWNER will make payments to the CONTRACTOR as provided in the Contract Documents.

### **8.3 LANDS, EASEMENTS, AND SURVEYS**

The OWNER shall provide all required surveys during construction.

#### 8.4 REPORTS AND DRAWINGS

The OWNER will identify and make available to the CONTRACTOR copies of reports of physical conditions at the Site and drawings of existing structures identified in Section 4.2.

#### 8.5 CHANGE ORDERS

The OWNER will execute Change Orders as indicated in Sections 10, 11 and 12.

#### 8.6 INSPECTIONS AND TESTS

The OWNER's responsibility for inspections and tests is set forth in Section 13.3.

#### 8.7 SUSPENSION OF WORK

The OWNER's right to stop work or suspend work is set forth in Sections 13.4 and 15.1.

#### 8.8 TERMINATION OF AGREEMENT

The OWNER's right to terminate services of the CONTRACTOR is set forth in Sections 15.2 and 15.3.

#### 8.9 LIMITATION ON OWNER'S RESPONSIBILITIES

The OWNER shall not supervise, direct or have control or authority over, nor be responsible for, CONTRACTOR's means, methods, techniques, sequences, or procedures of construction or the safety precautions and programs incident thereto, or for any failure of CONTRACTOR to comply with Laws and Regulations applicable to the furnishing or performance of the WORK or the health and safety of CONTRACTOR's employees, agents, subcontractors or suppliers. OWNER shall not be responsible for CONTRACTOR's failure to perform or furnish the WORK in accordance with the Contract Documents.

#### 8.10 UNDISCLOSED HAZARDOUS ENVIRONMENTAL CONDITIONS

OWNER's responsibility for an undisclosed hazardous waste condition is set forth in Section 4.5.

### **SECTION 9 -- ENGINEER'S STATUS DURING CONSTRUCTION**

#### 9.1 OWNER'S REPRESENTATIVE

The ENGINEER will be the OWNER's representative during the construction period. The duties and responsibilities and the limitations of authority of the ENGINEER as the OWNER's representative during construction are summarized in the Contract Documents. Separate contractual agreements between OWNER and ENGINEER exist.

#### 9.2 OBSERVATIONS ON THE SITE

The ENGINEER will make observations on the Site during construction to monitor the progress and quality of the WORK and to determine, in general, if the WORK is proceeding in accordance with the Contract Documents.

#### 9.3 PROJECT REPRESENTATION

The ENGINEER shall furnish a Project Representative to accomplish obligations identified in this SECTION. The duties, responsibilities, and limitations of authority of any such Project Representative will be as provided in the Contract Documents.

#### 9.4 CLARIFICATIONS

The ENGINEER will issue with reasonable promptness such written Clarifications of the requirements of the Contract Documents as the ENGINEER may determine necessary or as requested by the CONTRACTOR, which shall be consistent with or reasonably inferable from the overall intent of the Contract Documents.

#### 9.5 AUTHORIZED VARIATIONS IN WORK

The ENGINEER may authorize variations in the WORK from the requirements of the Contract Documents. These may be accomplished by a Field Order and will require the CONTRACTOR to perform the WORK involved in a manner that minimizes the impact to the WORK and the Contract Times. If the CONTRACTOR believes that a Field Order justifies an increase in the Contract Price or an extension of the Contract Times, the CONTRACTOR may request consideration for a Change Order in accordance with Sections 10, 11 or 12.

#### 9.6 REJECTING DEFECTIVE WORK

The ENGINEER will have authority to reject Defective Work and will also have authority to require special inspection or testing of the WORK as provided in Section 13.

#### 9.7 CONTRACTOR SUBMITTALS, CHANGE ORDERS, AND PAYMENTS

- A. In accordance with the procedures set forth in the General Requirements, the ENGINEER will review all CONTRACTOR submittals.
- B. The ENGINEER's responsibilities for Change Orders are set forth in Sections 10, 11, and 12.
- C. The ENGINEER's responsibilities for Applications for Payment are set forth in Section 14.

#### 9.8 DECISIONS ON DISPUTES

The ENGINEER will be the initial interpreter of the requirements of the Contract Documents and of the acceptability of the WORK thereunder. Claims, disputes, and other matters relating to the acceptability of the WORK and interpretation of the requirements of the Contract Documents pertaining to the performance of the WORK will be initially determined by the ENGINEER. Any claims in respect to changes in the Contract Price or Contract Times shall be resolved in accordance with the requirements of Sections 10, 11, and 12.

#### 9.9 LIMITATION ON ENGINEER'S RESPONSIBILITIES

- A. Neither the ENGINEER's authority to act under this Section 9 or other provisions of the Contract Documents nor any decision made by the ENGINEER in good faith either to exercise or not exercise such authority shall give rise to any duty or responsibility of the ENGINEER to the CONTRACTOR, any Subcontractor, any Supplier, any surety for any of them, or any other person or entity performing any of the WORK.
- B. Whenever in the Contract Documents the terms "as ordered," "as directed," "as required," "as allowed," "as reviewed," "as approved," or terms of like effect or import are used, or the adjectives "reasonable," "suitable," "acceptable," "proper," or "satisfactory," or adjectives of like effect or import are used to describe a requirement, direction, review, or judgment of the ENGINEER as to the WORK, it is intended that such requirement, direction, review, or judgment will be solely to evaluate the WORK for compliance with the requirements of the Contract Documents, and conformance with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents,

unless there is a specific statement indicating otherwise. The use of any such term or adjective shall not be effective to assign to the ENGINEER any duty or authority to supervise or direct the performance of the WORK or any duty or authority to undertake responsibility contrary to the provisions of Section 9.9 C.

- C. The ENGINEER shall not supervise, direct, control, or have authority over or be responsible for the CONTRACTOR's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of the CONTRACTOR to comply with Laws and Regulations applicable to the performance of the WORK. The ENGINEER will not be responsible for the CONTRACTOR's failure to perform the WORK in accordance with the Contract Documents. The ENGINEER will not be responsible for the acts or omissions of the CONTRACTOR nor of any Subcontractor, Supplier, or any other person or entity performing any of the WORK

## **SECTION 10 -- CHANGES IN THE WORK**

### **10.1 GENERAL**

- A. Without invalidating the Agreement and without notice to any surety, the OWNER may at any time or from time to time, order additions, deletions, or revisions in the WORK. Such additions, deletions or revisions will be authorized by a Change Order or Field Order. Upon receipt of any such document, CONTRACTOR shall promptly proceed to implement the additions, deletions, or revisions in the WORK in accordance with the applicable conditions of the Contract Documents.
- B. The CONTRACTOR shall not be entitled to an increase in the Contract Price nor an extension of the Contract Times for any work performed except as provided in a Change Order. A valid Change Order is either by mutual consent or by unilateral directive from the OWNER. The OWNER prefers to issue Change Orders that are mutually agreeable and signed by both parties. Should the parties be unable to agree on the terms, the OWNER has the right to issue a unilateral Change Order which establishes the value and time impacts and the work to be accomplished by the CONTRACTOR. The CONTRACTOR is obligated to comply with a unilateral Change Order. Should a unilateral Change Order be issued, the burden of proof falls solely upon the CONTRACTOR to prove that the value and time included therein is unreasonable.
- C. If notice of any change in the WORK is required to be given to a surety, the giving of any such notice shall be the CONTRACTOR's responsibility. If the change in the WORK affects the Contract Price, the OWNER may require an adjustment to the amount of any applicable Bond and the amount of each applicable Bond shall be adjusted accordingly.

### **10.2 VARIATIONS IN ESTIMATED QUANTITIES**

- A. If the actual quantity of a unit price bid item varies from the estimated quantity identified in the bid by more than 25% either greater or lesser, either party may request consideration for a Change Order to adjust the unit price based upon the increase or decrease in costs due solely to the variation by more than 25%, and applied only to the amount exceeding 25%. If this variation should cause an increase in the time to complete the WORK, the CONTRACTOR shall, within 20 days of the beginning of the delay or the date the CONTRACTOR should have recognized the beginning of the delay, notify the OWNER of the delay and the impacts in sufficient detail to allow a decision to be made as to the justification and extent of the Changed Time resulting from the variation in quantities exceeding the 25% limit.

- B. In the event a part of the WORK is to be entirely eliminated, the Contract Price shall be decreased by the lump sum or unit price for the eliminated WORK. In the event a part of the WORK is to be entirely eliminated and no lump sum or unit price is identified in the Contract Documents to cover such eliminated work, the Contract Price shall be decreased by the value of the eliminated work.

## **SECTION 11 -- CHANGE OF CONTRACT PRICE**

### **11.1 GENERAL**

- A. The Contract Price constitutes the total compensation payable to the CONTRACTOR for performing the WORK. All duties, responsibilities, and obligations assigned to or undertaken by the CONTRACTOR to complete the WORK shall be at its expense without change in the Contract Price.
- B. Any claim by CONTRACTOR for an increase in the Contract Price shall be based on written notice delivered by the CONTRACTOR to the ENGINEER within 10 days after the start of the event giving rise to the claim and stating the general nature of the claim. A detailed written claim with supporting data shall be delivered by the CONTRACTOR to ENGINEER within 60 days after the start of such event and shall be accompanied by the CONTRACTOR's written statement that the amount claimed covers all known amounts (direct, indirect, and consequential) to which the CONTRACTOR is entitled as a result of such event. All claims for adjustment in the Contract Price will be evaluated by the ENGINEER and OWNER. No claim by CONTRACTOR for an adjustment in the Contract Price will be considered if not submitted in accordance with this Section 11.1 B. If CONTRACTOR's claim is acceptable to OWNER, OWNER will issue an appropriate Change Order.

### **11.2 COSTS RELATING TO WEATHER**

The CONTRACTOR shall have no claims against the OWNER for damages for any injury to work, materials, or equipment, resulting from the action of the weather. If, however, in the opinion of the OWNER, the CONTRACTOR has made all reasonable efforts to protect the materials, equipment, and work, the CONTRACTOR may be granted a reasonable extension of Contract Times to make proper repairs, renewals, and replacements of the work, materials, or equipment.

### **11.3 CALCULATION OF COST OF EXTRA WORK (BASED ON TIME AND MATERIALS)**

- A. General: The term "cost of extra work" means the sum of all costs necessarily incurred and paid by the CONTRACTOR for labor, materials, and equipment in the proper performance of extra work. Except as otherwise may be agreed to in writing by the OWNER, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall include only the following items and shall not include any of the costs itemized in Section 11.5.
- B. Labor: The costs of labor will be the actual cost for wages prevailing for each craft or type of workers performing the extra work at the time the extra work is done, plus employer payments of payroll taxes, workers compensation insurance, liability insurance, health and welfare, pension, vacation, apprenticeship funds, and other direct costs required by federal, state or local laws, as well as assessments or benefits required by lawful collective bargaining agreements for those workers. Labor costs for equipment operators and helpers will be paid only when such costs are not included in the invoice for equipment rental. The labor costs for foremen shall be proportioned to all of their assigned work and only that applicable to extra work shall be paid. Nondirect labor costs including superintendence shall be considered part of the markup set out in Section 11.4.

- C. Materials: The cost of materials reported shall be at invoice or lowest current price at which materials are locally available and delivered to the Site in the quantities involved, plus the cost of freight, delivery and storage, subject to the following:
1. All trade discounts and rebates shall accrue to the OWNER, and the CONTRACTOR shall make provisions so that they may be obtained;
  2. For materials secured by other than a direct purchase and direct billing to the purchaser, the cost shall be deemed to be the price paid to the actual supplier as determined by the ENGINEER. Except for actual costs incurred in the handling of such materials, markup shall not be allowed;
  3. Payment for materials from sources owned wholly or in part by the purchaser shall not exceed the price paid by the purchaser for similar materials from said sources on extra work items or the current wholesale price for such materials delivered to the Site, whichever price is lower; and
  4. If in the opinion of the ENGINEER the cost of material is excessive, or the CONTRACTOR does not furnish satisfactory evidence of the cost of such material, then the cost shall be deemed to be the lowest current wholesale price for the quantity concerned delivered to the Site less trade discount. The OWNER reserves the right to furnish materials for the extra work and no claim will be allowed by the CONTRACTOR for costs and profit on such materials.
- D. Equipment: The CONTRACTOR will be paid for the use of equipment for extra work at the rental rate listed for such equipment specified in the Contract Documents. Such rental rate will be used to compute payments for equipment whether the equipment is under the CONTRACTOR's control through direct ownership, leasing, renting, or another method of acquisition. The rental rate to be applied for use of each item of equipment will be the rate resulting in the least total cost to the OWNER for the total period of use. If it is deemed necessary by the CONTRACTOR to use equipment not listed in the publication specified in the Contract Documents, an equitable rental rate for the equipment will be established by the ENGINEER. The CONTRACTOR may furnish cost data which might assist the ENGINEER in the establishment of the rental rate. Payment for equipment shall be subject to the following:
1. All equipment shall, in the opinion of the ENGINEER, be in good working condition and suitable for the purpose for which the equipment is to be used;
  2. Before construction equipment is used on the extra work, the CONTRACTOR shall plainly stencil or stamp an identifying number thereon at a conspicuous location, and shall furnish to the ENGINEER, in duplicate, a description of the equipment and its identifying number;
  3. Unless otherwise specified, manufacturers ratings and manufacturer approved modifications shall be used to classify equipment for the determination of applicable rental rates. Equipment which has no direct power unit shall be powered by a unit of at least the minimum rating recommended by the manufacturer; and
  4. Individual pieces of equipment or tools having a replacement value of \$500 or less, whether or not consumed by use, will be considered to be small tools and no payment will be made therefor.
- E. Equipment Rental Time: The rental time to be paid for equipment on the Site will be the time the equipment is in productive operation on the extra work being performed and,

in addition, will include the time required to move the equipment to the location of the extra work and return it to the original location or to another location requiring no more time than that required to return it to its original location; except, that moving time will not be paid if the equipment is used on other than the extra work, even though located at the Site of the extra work. Loading and transporting costs will be allowed, in lieu of moving time, when the equipment is moved by means other than its own power, except that no payment will be made for loading and transporting costs when the equipment is used at the Site of the extra work on other than the extra work. Rental time will not be allowed while equipment is inoperative due to breakdowns. The rental time of equipment on the work Site will be computed subject to the following:

1. When hourly rates are listed, any part of an hour less than 30 minutes of operation will be considered to be half-hour of operation, and any part of an hour in excess of 30 minutes will be considered one hour of operation;
  2. When daily rates are listed, any part of a day less than 4 hours operation will be considered to be half-day of operation. When owner-operated equipment is used to perform extra work to be paid for on a time and materials basis, the CONTRACTOR will be paid for the equipment and operator, as set forth in Sections 3, 4, and 5, following;
  3. Payment for the equipment will be made in accordance with the provisions in Section 11.3 D., herein;
  4. Payment for the cost of labor and subsistence or travel allowance will be made at the rates paid by the CONTRACTOR to other workers operating similar equipment already on the Site, or in the absence of such labor, established by collective bargaining agreements for the type of workmen and location of the extra work, whether or not the operator is actually covered by such an agreement. A labor surcharge will be added to the cost of labor described herein in accordance with the provisions of Section 11.3 B., herein, which surcharge shall constitute full compensation for payments imposed by state and federal laws and all other payments made to or on behalf of workers other than actual wages; and
  5. To the direct cost of equipment rental and labor, computed as provided herein, will be added the allowances for equipment rental and labor as provided in Section 11.4, herein.
- F. Special Services: Special work or services for extra work are defined as that work characterized by extraordinary complexity, sophistication, innovation, or a combination of the foregoing attributes which are unique to the construction industry. The ENGINEER will make estimates for payment for special services and may consider the following:
1. When the ENGINEER and the CONTRACTOR, determine that a special service or work is required which cannot be performed by the forces of the CONTRACTOR or those of any of its Subcontractors, the special service or work may be performed by an entity especially skilled in the work to be performed. After validation of invoices and determination of market values by the ENGINEER, invoices for special services or work based upon the current fair market value thereof may be accepted without complete itemization of labor, material, and equipment rental costs;
  2. When the CONTRACTOR is required to perform work necessitating special fabrication or machining process in a fabrication or a machine shop facility away from the Site, the charges for that portion of the work performed at the off-site

facility may, by agreement, be accepted as a special service and accordingly, the invoices for the work may be accepted without detailed itemization; and

3. All invoices for special services will be adjusted by deducting all trade discounts. In lieu of the allowances for overhead and profit specified in Section 11.4, herein, an allowance of 15 percent will be added to invoices for special services.

G. Sureties: All work performed hereunder shall be subject to all of the provisions of the Contract Documents and the CONTRACTOR's sureties shall be bound with reference thereto as under the original Agreement. Copies of all amendments to Bonds or supplemental Bonds shall be submitted to the OWNER for review prior to the performance of any work hereunder.

#### 11.4 CONTRACTOR'S OVERHEAD AND PROFIT

A. Extra work ordered on the basis of time and materials will be paid for at the actual necessary cost as determined by the ENGINEER, plus allowances for overhead and profit. The allowance for overhead and profit will include compensation for superintendence, taxes, field office expense, extended overhead, and home office overhead. The allowance for overhead and profit will be made in accordance with the following schedule:

Overhead and Profit Allowance

Labor ..... 20 percent

Materials .....15 percent

Equipment .....15 percent

B. It is understood that labor, materials, and equipment for extra work may be furnished by the CONTRACTOR or by the Subcontractor on behalf of the CONTRACTOR. When all or any part of the extra work is performed by a Subcontractor, the allowance specified herein will be applied to the labor, materials, and equipment costs of the Subcontractor, to which the CONTRACTOR may add 5 percent of the Subcontractors total cost for the extra work. Regardless of the number of hierarchical tiers of Subcontractors, the 5 percent increase above the Subcontractor's total cost which includes the allowances for overhead and profit specified herein may be applied one time only.

#### 11.5 EXCLUDED COSTS OF EXTRA WORK

A. The term "cost of extra work" shall not include any of the following:

1. Payroll costs and other compensation of CONTRACTOR's officers, executives, proprietors, partners, principals, general managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, and other personnel employed by CONTRACTOR whether at the Site or in CONTRACTOR's principal or a branch office for general administration of the WORK;

2. Expenses of CONTRACTOR's principal and branch offices other than CONTRACTOR's office at the Site;

3. Any part of CONTRACTOR's capital expenses, including interest on CONTRACTOR's capital employed for the WORK and charges against CONTRACTOR for delinquent payments;

4. Cost of premiums for all Bonds and for all insurance whether or not CONTRACTOR is required by the Contract Documents to purchase and maintain the same;
5. Costs due to the acts, omissions, willful misconduct or negligence of CONTRACTOR, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of Defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property; and
6. Other overhead or general expense costs of any kind and the cost of any item not specifically and expressly included in Section 11.4.

#### 11.6 CONTRACTOR'S EXTRA WORK REPORT

In order to be paid for extra work, the CONTRACTOR must submit a daily extra work report on the form furnished by the ENGINEER. The form must be completely filled out consistent with the provisions of Sections 11.3 through 11.5 and signed by the CONTRACTOR and ENGINEER at the end of each workday. Failure to complete the form and obtain appropriate signatures by the next working day after the extra work of the previous day was completed will result in CONTRACTOR's costs for extra work not being considered by the OWNER.

### SECTION 12 -- CHANGE OF CONTRACT TIMES

#### 12.1 GENERAL

- A. The Contract Times may only be changed by a Change Order. Any claim for an extension of the Contract Times shall be based on written notice delivered by the CONTRACTOR to the ENGINEER within 10 days after the start of the event giving rise to the claim and stating the general nature of the claim. A detailed written claim with supporting data shall be delivered to the ENGINEER within 60 days after the start of the event giving rise to the claim and shall be accompanied by the CONTRACTOR's written statement that the extension claimed is the entire extension to which the CONTRACTOR is entitled as a result of said event. All claims for extension in the Contract Times will be evaluated by the ENGINEER. No claim for an extension in the Contract Times will be considered if not submitted in accordance with this Section 12.1 A. If CONTRACTOR's claim for an extension is acceptable to OWNER, OWNER will issue an appropriate Change Order. An increase in Contract Times does not mean that the CONTRACTOR is entitled to an increase in Contract Price.
- B. All time limits stated in the Contract Documents are of the essence of the Agreement.
- C. When CONTRACTOR is prevented from completing any part of the WORK within the Contract Times (or Milestones) due to delay beyond the control of CONTRACTOR, the Contract Times (or Milestones) will be extended in an amount equal to the time lost on the critical path of the WORK due to such delay, if a claim is made therefor as provided in Section 12.1.A. Delays beyond the control of CONTRACTOR shall include, but not be limited to, acts or negligence of the OWNER, fires, floods, epidemics, or acts of God. Delays attributable to any Subcontractor or Supplier are not included and shall be deemed to be delays within the control of the CONTRACTOR.
- D. In no event will OWNER be liable to CONTRACTOR, any subcontractor, supplier, laborer or any other person or entity, or to any surety, or employee or agent of any of them, for any increase in the Contract Price or other damages arising out or resulting from the following:

1. Delays caused by or within the control of CONTRACTOR or its laborers, subcontractors or suppliers; or
2. Delays beyond the control of both OWNER and CONTRACTOR including, but not limited to fires, floods, epidemics, abnormal weather conditions, acts of God, or acts or neglect by those performing other work as contemplated by Section 7.

## 12.2 EXTENSIONS OF CONTRACT TIMES FOR DELAY DUE TO WEATHER

Contract Times may be extended by the OWNER because of delays in the completion of the WORK due to unusually severe and extreme weather, provided that the CONTRACTOR shall, within 10 days of the beginning of any such delay, notify the ENGINEER in writing of the cause of delay and request an extension of Contract Times. The ENGINEER will ascertain the facts and the extent of the delay, and in reliance on ENGINEER's evaluation, OWNER may extend the Contract Times. However, OWNER will not be liable to CONTRACTOR, any subcontractor, supplier, laborer and any other person or entity, or to any surety, or any employee or agent of any of them for any increase in contract price or other damages arising from such contract time extension.

## **SECTION 13 -- INSPECTIONS AND TESTS; CORRECTION, REMOVAL, OR ACCEPTANCE OF DEFECTIVE WORK**

### 13.1 NOTICE OF DEFECTIVE WORK

Prompt notice of Defective Work known to the OWNER or ENGINEER will be given to the CONTRACTOR. All Defective Work, whether or not in place, may be rejected, corrected, or accepted as provided in this Section 13. Defective Work may be rejected even if approved by prior inspection.

### 13.2 ACCESS TO WORK

OWNER, ENGINEER, their consultants, subconsultants, other representatives and personnel of OWNER, independent testing laboratories, and other governmental agencies shall have access to the WORK at reasonable times for their observation, inspecting, and testing. CONTRACTOR shall provide them proper and safe conditions for such access and advise them of CONTRACTOR's Site safety procedures and programs so that they may comply therewith as applicable.

### 13.3 INSPECTIONS AND TESTS

- A. Backfill shall be tested by CONTRACTOR at its expense at the time of placement to determine moisture content and relative compaction. At least one field density test shall be taken for each 50 cubic yards of material placed within excavations and at vertical intervals of 1 – 2 feet. Field density tests shall be performed in accordance with ASTM D2922 and D 3017 by a geotechnical engineer or qualified experienced technician.

Any field density results that are less than the required relative compaction shall be reworked, moisture conditioned and re-compacted as necessary under observation of an approved inspector. Alternatively, the substandard material can be removed, moisture conditioned and replaced as properly compacted fill.

- B. The CONTRACTOR shall employ and pay for the services of an independent testing laboratory to perform all inspections, tests, or approvals required by the Contract Documents except:
1. As otherwise provided in the Contract Documents.

- C. If Laws and Regulations of any public body having jurisdiction require any WORK (or any part thereof) to be inspected, tested, or approved by an employee or other representative of such public body, CONTRACTOR shall assume full responsibility for arranging and obtaining such inspections, tests or approvals, pay all costs in connection therewith, and furnish the ENGINEER the required certificates of inspection or approval.
- D. The CONTRACTOR shall be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests, or approvals required for the ENGINEER's acceptance of materials or equipment to be incorporated in the WORK or acceptance of materials, mix designs, or equipment submitted for approval prior to the CONTRACTOR's purchase thereof for incorporation in the WORK. Such inspections, tests, or approvals shall be performed by entities acceptable to the ENGINEER.
- E. The ENGINEER will make, or have made, such inspections and tests as the ENGINEER deems necessary to see that the WORK is being accomplished in accordance with the requirements of the Contract Documents. Unless otherwise specified in the Contract Documents, the cost of such inspection and testing will be borne by the OWNER. In the event such inspections or tests reveal non-compliance with the requirements of the Contract Documents, the CONTRACTOR shall bear the cost of corrective measures deemed necessary by the ENGINEER, as well as the cost of subsequent re-inspection and retesting. Neither observations by the ENGINEER nor inspections, tests, or approvals by others shall relieve the CONTRACTOR from the CONTRACTOR's obligation to perform the WORK in accordance with the Contract Documents.
- F. If any WORK (including the work of others) that is to be inspected, tested, or approved is covered without written concurrence of the ENGINEER, it must, if requested by the ENGINEER, be uncovered for observation. Such uncovering shall be at the CONTRACTOR's expense unless the CONTRACTOR has given the ENGINEER not less than 72 business hours notice of the CONTRACTOR's intention to perform such test or to cover the same and the ENGINEER has not acted with reasonable promptness in response to such notice.
- G. If any WORK is covered contrary to the request of the ENGINEER, it must, if requested by the ENGINEER, be uncovered for the ENGINEER's observation and recovered at the CONTRACTOR's expense.
- H. If the ENGINEER considers it necessary or advisable that covered WORK be observed by the ENGINEER or inspected or tested by others, the CONTRACTOR, at the ENGINEER request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as the ENGINEER may require, that portion of the WORK in question, furnishing all necessary labor, material, and equipment. If it is found that such work is Defective Work, the CONTRACTOR shall bear all direct, indirect, and consequential costs and damages of such uncovering, exposure, observation, inspection, and testing and of satisfactory reconstruction, including but not limited to, fees and charges of engineers, architects, attorneys, and other professionals. However, if such work is not found to be Defective Work, the CONTRACTOR will be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to such uncovering, exposure, observation, inspection, testing, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, the CONTRACTOR may make a claim therefor as provided in Sections 11 and 12.

#### 13.4 OWNER MAY STOP THE WORK

If Defective Work is identified, the OWNER may order the CONTRACTOR to stop performance of the WORK, or any portion thereof, until the Defective Work is corrected. OWNER's right to stop

the WORK shall not give rise to any duty on the part of the OWNER to exercise this right for the benefit of the CONTRACTOR or any other party.

### 13.5 CORRECTION OR REMOVAL OF DEFECTIVE WORK

If required by the ENGINEER or OWNER, the CONTRACTOR shall promptly either correct all Defective Work, whether or not fabricated, installed, or completed, or, if the work has been rejected by the ENGINEER or OWNER, remove it from the Site and replace it with non-defective WORK. The CONTRACTOR shall bear all direct and indirect costs and damages related to such correction or removal, including but not limited to fees and expenses of engineers, architects, attorneys, and other professionals.

### 13.6 ACCEPTANCE OF DEFECTIVE WORK

Instead of requiring correction or removal and replacement of Defective Work, the OWNER may accept such Defective Work. The CONTRACTOR shall bear all direct and indirect costs attributable to the OWNER's evaluation and acceptance of such Defective Work. If any such acceptance occurs prior to final payment, a Change Order shall be issued incorporating the necessary revisions in the Contract Documents with respect to the WORK, and the OWNER shall be entitled to an appropriate decrease in the Contract Price.

### 13.7 OWNER MAY CORRECT DEFECTIVE WORK

- A. If the CONTRACTOR fails within a reasonable time after written notice from the ENGINEER to correct Defective Work, or to remove and replace Defective Work as required by the ENGINEER in accordance with Section 13.5., or if the CONTRACTOR fails to perform the WORK in accordance with the Contract Documents, or if the CONTRACTOR fails to comply with any other provision of the Contract Documents, the OWNER may, after seven days written notice to the CONTRACTOR, correct and remedy any Defective Work.
- B. In correcting such Defective Work, the OWNER may exclude the CONTRACTOR from all or part of the Site, take possession of all or part of the WORK, and suspend the CONTRACTOR's services related thereto and incorporate in the WORK all materials and equipment for which the OWNER has paid the CONTRACTOR whether stored at the Site or elsewhere. The CONTRACTOR shall provide the OWNER, OWNER's representatives, ENGINEER, and ENGINEER's consultants access to the Site and to all necessary materials and equipment to enable OWNER to exercise the rights and remedies under this Section.
- C. All direct and indirect costs and damages incurred by the OWNER in exercising the rights and remedies under this Section will be charged against the CONTRACTOR and a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the WORK, and the OWNER shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount of the adjustment, the OWNER may issue a unilateral change order. Such a change order will include, but not be limited to, all costs of repair or replacement of work of others, destroyed or damaged by correction, removal, or replacement of CONTRACTOR's Defective Work and all direct, indirect, and consequential damages associated therewith.
- D. The CONTRACTOR shall not be allowed an extension of Contract Times (or Milestones) because of any delay in the performance of the WORK attributable to the exercise by OWNER of OWNER's rights and remedies under Section 13.

### 13.8 WARRANTY PERIOD

- A. The warranty period for the correction of Defective Work shall be the longer of:
  - 1. Two years after the date of final payment;
  - 2. Such time as may be prescribed by Laws and Regulations;
  - 3. Such time as specified by the terms of any applicable special guarantee required by the Contract Documents; or
  - 4. Such time as specified by any specific provision of the Contract Documents.
- B. If, during the warranty period as defined in Section 13.8A above, any work is found to be Defective Work, the OWNER shall have the same remedies as set forth in Sections 13.5, 13.6, and 13.7 above.
- C. Where Defective Work (and damage to other work resulting therefrom) has been corrected, removed, or replaced under this Section 13.8, the warranty period hereunder with respect to such work is extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed, if the correction occurs in the second year of the original warranty period.

## SECTION 14 - PAYMENTS TO CONTRACTOR AND COMPLETION

### 14.1 SCHEDULE OF VALUES

The schedule of values established as provided in the General Requirements shall serve as the basis for progress payments and shall be incorporated into a form of Application for Payment acceptable to the ENGINEER.

### 14.2 UNIT PRICE BID SCHEDULE

Progress payments on account of unit price work will be based on the number of units completed.

### 14.3 APPLICATION FOR PROGRESS PAYMENT

- A. Unless otherwise prescribed by law, once each month, the CONTRACTOR shall submit to the ENGINEER for review, the Application for Payment filled out and signed by the CONTRACTOR covering the WORK completed as of the date of the Application for Payment and accompanied by such supporting documentation as is required by the Contract Documents.
- B. The Application for Payment shall identify, as a subtotal, the amount of the CONTRACTOR total earnings to date; plus the value of materials stored at the Site which have not yet been incorporated in the WORK; and less a deductive adjustment for materials installed which were not previously incorporated in the WORK, but for which payment was allowed under the provisions for payment for materials stored at the Site.
- C. The net payment due the CONTRACTOR shall be the above-mentioned subtotal from which shall be deducted the retention specified in the Contract Documents, any obligations to the OWNER, and the total amount of all previous payments made to the CONTRACTOR.
- D. The payment for materials stored at the Site shall not exceed 80 percent of the value of such materials as set forth in the Contract Documents. Said amount shall be based upon the value of all acceptable materials and equipment not incorporated in the WORK but delivered and suitably stored at the Site or at another location agreed to in writing;

provided, each such individual item has a value of more than \$5,000 and will become a permanent part of the WORK. The Application for Payment shall also be accompanied by a bill of sale, invoice, or other documentation warranting that the CONTRACTOR has received the materials and equipment free and clear of all Liens and evidence that the materials and equipment are covered by appropriate property insurance and other arrangements to protect the OWNER's interest therein, all of which will be satisfactory to the OWNER.

#### 14.4 CONTRACTOR'S WARRANTY OF TITLE

The CONTRACTOR warrants and guarantees that title to all WORK, materials, and equipment covered by an Application for Payment, whether incorporated in the WORK or not, shall pass to the OWNER no later than the time of payment, free and clear of all Liens.

#### 14.5 REVIEW OF APPLICATIONS FOR PROGRESS PAYMENT

- A. The ENGINEER will, within 7 days after receipt of each Application for Payment, either indicate in writing a recommendation of payment and present the application to the OWNER, or return the application to the CONTRACTOR indicating in writing the ENGINEER's reasons for refusing to recommend payment. In the latter case, the CONTRACTOR may make the necessary corrections and resubmit the application. If the ENGINEER still disagrees with any portion of the application, it will submit the application recommending the undisputed portion of the application to the OWNER for payment and provide reasons for recommending non-payment of the disputed amount. Within thirty (30) days after presentation to the OWNER of the Application for Payment with the ENGINEER's recommendation for payment, unless OWNER submits written objections to the Application, the amount recommended will (subject to Section 14.5) be paid by the OWNER to the CONTRACTOR.
- B. The ENGINEER, in its discretion, may refuse to recommend payment of the whole or any part of any application for payment. The ENGINEER, in its discretion, may also revoke any previously recommended Application for Payment, whether paid or not, based on subsequently discovered evidence or the results of subsequent inspections or tests, to such extent as may be necessary in ENGINEER's opinion to protect OWNER from loss because:
1. The work is Defective Work or the completed WORK has been damaged requiring correction or replacement.
  2. The Contract Price has been reduced by written amendment or Change Order.
  3. The OWNER has corrected Defective Work or completed WORK in accordance with Section 13.7.
  4. ENGINEER has actual knowledge of the occurrence of any of the events enumerated in Sections 15.1 through 15.4 inclusive.
- C. The OWNER may refuse to make payment of any amount recommended by the ENGINEER because:
1. Claims have been made against OWNER related to CONTRACTOR's performance or furnishing of the WORK.
  2. Lien(s) or stop notice(s) have been filed in connection with the WORK, except where CONTRACTOR has delivered a specific Bond satisfactory to OWNER to secure the satisfaction and discharge of such Lien(s) or stop notice(s).

3. There are other items entitling OWNER to a off-set against the amount(s) recommended; or
  4. The occurrence of any of the events enumerated in Sections 14.5B. through 14.5C and 15.1 through 15.4 inclusive.
  5. The OWNER does not agree with ENGINEER's recommendation for payment based on a good faith dispute with CONTRACTOR and/or ENGINEER.
- D. The OWNER must give the CONTRACTOR prompt written notice (with a copy to the ENGINEER) stating the reasons for such action, and promptly pay the CONTRACTOR the amount so withheld, or any adjustment thereto agreed to by OWNER and CONTRACTOR, when CONTRACTOR corrects to OWNER's satisfaction the reasons for such action.

#### 14.6 SUBSTANTIAL COMPLETION

When the CONTRACTOR considers the WORK ready for its intended use, the CONTRACTOR shall notify the OWNER and the ENGINEER in writing and request that the WORK be declared substantially complete. The CONTRACTOR shall attach to this request a list of all work items that remain to be completed and a request that the ENGINEER prepare a Notice of Substantial Completion. Within a reasonable time thereafter, the OWNER, the CONTRACTOR, and the ENGINEER shall make an inspection of the WORK to determine the status of completion. If the ENGINEER or the OWNER does not consider the WORK substantially complete, the ENGINEER will notify the CONTRACTOR in writing giving the reasons therefor. If the ENGINEER and OWNER consider the WORK substantially complete, the ENGINEER will prepare and deliver to the OWNER for its execution and recordation the Notice of Substantial Completion, which shall fix the date of Substantial Completion.

#### 14.7 PARTIAL UTILIZATION

- A. The OWNER shall have the right to utilize or place into service any item of equipment or other useable portion of the WORK prior to completion of the WORK. Whenever the OWNER plans to exercise said right, the CONTRACTOR will be notified in writing by the OWNER, identifying the specific portion or portions of the WORK to be so utilized or otherwise placed into service.
- B. It shall be understood by the CONTRACTOR that until such written notification is issued, all responsibility for care and maintenance of all of the WORK shall be borne by the CONTRACTOR. Upon issuance of said written notice of Partial Utilization, the OWNER will accept responsibility for the protection and maintenance of all such items or portions of the WORK described in the written notice.
- C. The CONTRACTOR shall retain full responsibility for satisfactory completion of the WORK, regardless of whether a portion thereof has been partially utilized by the OWNER, and the CONTRACTOR's two year warranty period shall commence only after the date of Final Payment for the WORK.

#### 14.8 FINAL APPLICATION FOR PAYMENT

After the Notice of Substantial Completion has been filed, and after CONTRACTOR has completed all of the remaining work items referred to in Sections 14.6 and 14.7.C and delivered all maintenance and operating instructions, schedules, guarantees, Bonds, certificates of inspection, marked-up record documents (as provided in the General Requirements), and other documents, all as required by the Contract Documents, and after the ENGINEER has indicated that the WORK is acceptable, the CONTRACTOR may make application for Final Payment following the procedure and limitations for progress payments at Section 14.5, and subject to

14.9.B. The final Application for Payment shall be accompanied by all documentation called for in the Contract Documents, together with complete and legally effective releases or waivers (satisfactory to the OWNER) of all Stop Notices arising out of or filed in connection with the WORK.

#### 14.9 FINAL PAYMENT AND ACCEPTANCE

- A. If, on the basis of the ENGINEER's observation of the WORK during construction and final inspection, and the ENGINEER's review of the final Application for Payment and accompanying documentation, all as required by the Contract Documents, the ENGINEER is satisfied that the WORK has been completed and the CONTRACTOR's other obligations under the Contract Documents have been fulfilled, the ENGINEER will, within 14 days after receipt of the final Application for Payment, indicate in writing the ENGINEER's recommendation of payment and present the application and recommendation to the OWNER.
- B. Thirty-five (35) days after posting the Notice of Completion for the WORK, the OWNER will make final payment to the CONTRACTOR of the amount remaining after deducting all prior payments and all amounts to be kept or retained by OWNER pursuant to the Contract Documents, including the following:
1. Liquidated damages, as applicable;
  2. Amounts withheld by OWNER under Section 14.5 B. and C. which have not been released; and
  3. One hundred fifty percent (150%) of the value of outstanding items of correction work or punch list items yet uncompleted or uncorrected, as applicable. All such work shall be completed or corrected to the satisfaction of the OWNER and ENGINEER within the time stated in the Notice of Completion or other document issued by OWNER and/or ENGINEER, otherwise the CONTRACTOR does hereby waive any and all claims to all monies withheld by the OWNER to cover the value of all such uncompleted or uncorrected items.
- C. As a condition of final payment, the CONTRACTOR shall be required to execute a release on the form provided by OWNER, releasing the OWNER from any and all claims of liability for payment on the Project except for such amounts as may be specifically described and excluded from the release.

#### 14.10 RELEASE OF RETAINAGE AND OTHER DEDUCTIONS

- A. Upon satisfaction of conditions leading to the reduction in the Final Payment under Section 14.9 above, OWNER shall release funds as appropriate. It is contemplated that such a release will be a single event culminating in complete closure of the Contract.

### **SECTION 15 -- SUSPENSION OF WORK AND TERMINATION**

#### 15.1 SUSPENSION OF WORK BY OWNER

The OWNER may, at any time and without cause, suspend the WORK or any portion thereof for a period of not more than 90 days by notice in writing to the CONTRACTOR. The CONTRACTOR shall resume the WORK on receipt of a notice of resumption of WORK. The CONTRACTOR will be allowed an increase in the Contract Price or an extension of the Contract Times, or both, directly attributable to any suspension if the CONTRACTOR makes an approved claim therefor in compliance with Sections 11 and 12.

## 15.2 TERMINATION OF AGREEMENT BY OWNER FOR DEFAULT

- A. In the event of default by the CONTRACTOR, the OWNER may give seven days written notice to the CONTRACTOR of OWNER's intent to terminate the Agreement and provide the CONTRACTOR an opportunity to remedy the conditions constituting the default within a specified period of time. It will be considered a default by the CONTRACTOR whenever CONTRACTOR shall:
1. Declare bankruptcy, become insolvent, or assign its assets for the benefit of its creditors;
  2. Disregard or violate, the Laws or Regulations;
  3. Fail to provide materials or workmanship in compliance with the requirements of the Contract Documents;
  4. Disregard, breach or violate the provisions of the Contract Documents or ENGINEER's instructions;
  5. Fail to prosecute the WORK according to the approved progress schedule, milestones or Contract Times;
  6. Fail to provide a qualified superintendent, competent workmen, or materials or equipment in compliance with the requirements of the Contract Documents; or
  7. Disregard the authority of the ENGINEER and/or OWNER.
- B. If the CONTRACTOR fails to remedy the conditions constituting default within the above-referenced seven (7) days, the OWNER may then issue the notice of termination.
- C. In the event the Agreement is terminated, the OWNER will file a Claim against the Surety and may take possession of the WORK and may complete the WORK by whatever method or means the OWNER may select. The cost of completing the WORK will be deducted from the balance which would have been due the CONTRACTOR had the Agreement not been terminated and the WORK completed in accordance with the Contract Documents. If such cost exceeds the balance which would have been due, the CONTRACTOR and Surety shall pay the excess amount to the OWNER.

## 15.3 TERMINATION OF AGREEMENT BY OWNER FOR CONVENIENCE

- A. Upon seven days written notice to the CONTRACTOR and the ENGINEER, the OWNER may, without cause and without prejudice to any other right or remedy of the OWNER, elect to terminate the Agreement. OWNER may also terminate this Agreement for environmental or other considerations as permitted by Section 7105(d) of the Public Contract Code. In such case, the CONTRACTOR shall be paid (without duplication of any items):
1. For acceptable WORK performed and completed in accordance with the Contract Documents, prior to the effective date of termination, including reasonable sums for overhead and profit (as defined in Sections 11.4 and 11.5) for such WORK; or
  2. For costs incurred prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents for partially completed WORK, plus reasonable sums for overhead and profit (as defined in Sections 11.4 and 11.5).

- B. CONTRACTOR shall not be paid for loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination. OWNER shall not have any further responsibility or liability to CONTRACTOR, any subcontractors, suppliers or laborers for any other costs or damage allegedly arising from such termination.

#### 15.4 TERMINATION OF AGREEMENT BY CONTRACTOR

- A. The CONTRACTOR may terminate the Agreement upon 14 days written notice to the OWNER, whenever:
  - 1. The WORK has been suspended under the provisions of Section 15.1, herein, for more than ninety (90) consecutive days through no fault, act, omission, willful misconduct or negligence of the CONTRACTOR, and notice to resume work or to terminate the Agreement has not been received from the OWNER within this time period; or
  - 2. The OWNER should fail to pay the CONTRACTOR any undisputed monies due it in accordance with the terms of the Contract Documents and within 60 days after presentation to, and approval by, the OWNER of the CONTRACTOR's Application for Payment, unless within said 14-day period the OWNER shall have remedied the condition upon which the payment delay was based or unless OWNER does not have the funds, but identifies when funds are anticipated to be available.
- B. In the event of such termination, the CONTRACTOR shall have no claims against the OWNER except for those claims specifically enumerated in Section 15.3, herein.

### SECTION 16 - MISCELLANEOUS

#### 16.1 GIVING NOTICE

Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if delivered in person to the individual or to a member of the entity or to an officer of the corporation or public agency for whom it is intended, or if delivered at or sent by facsimile, or certified mail, postage prepaid, to the last business address known to the giver of the notice.

#### 16.2 TITLE TO MATERIALS FOUND ON THE WORK

The CONTRACTOR shall have exclusive responsibility for removal and disposal of all soils, stone, sand, gravel, and other materials developed and obtained from excavations and other operations connected with, or related to, the WORK and not incorporated into the WORK. The CONTRACTOR shall use any such materials which meet the requirements of the Contract Documents. Such excess materials may be left on-site, with OWNER's written approval, or shall otherwise be disposed of properly by and at the expense of the CONTRACTOR.

#### 16.3 RIGHT TO AUDIT

If the CONTRACTOR submits a claim to the OWNER for additional compensation, the OWNER shall have the right, as a condition to considering the claim, and as a basis for evaluation of the claim, to audit the CONTRACTOR's books. This right shall include the right to examine books, records, documents, and other evidence and accounting procedures and practices, sufficient to discover and verify all direct and indirect costs of whatever nature claimed to have been incurred or anticipated to be incurred and for which the claim has been submitted. The right to audit shall include the right to inspect the CONTRACTOR's plans, or such parts thereof, as may be or have been engaged in the performance of the WORK. The

CONTRACTOR further agrees that the right to audit encompasses all subcontracts and is binding upon Subcontractors and suppliers. The rights to examine and inspect herein provided for shall be exercisable through such representatives as the OWNER deems desirable during the CONTRACTOR's normal business hours at the office of the CONTRACTOR. The CONTRACTOR shall make available to the OWNER for auditing, all relevant accounting records and documents, and other financial data, and upon request, shall submit true copies of requested records to the OWNER.

#### 16.4 SURVIVAL OF OBLIGATIONS

All representations, indemnifications, warranties, and guaranties made in, required by or given in accordance with the Contract Documents, as well as all continuing obligations indicated in the Contract Documents, will survive final payment, completion and acceptance of the WORK or termination or completion of the Agreement.

#### 16.5 CONTROLLING LAW

This Agreement is to be governed by the law of the State of California.

#### 16.6 SEVERABILITY

If any term or provision of the Contract Documents is declared invalid or unenforceable by any court of lawful jurisdiction, the remaining terms and provisions of the Contract Documents shall not be affected thereby and shall remain in full force and effect.

#### 16.7 WAIVER

The waiver by the OWNER of any breach or violation of any term, covenant or condition of the Contract Documents or of any Laws and Regulations shall not be deemed to be a waiver of any other term, covenant, condition, Laws and Regulations or of any subsequent breach or violation of the same. The subsequent payment of any monies by the OWNER which may become due hereunder shall not be deemed to be a waiver of any preceding breach or violation by CONTRACTOR or any term, covenant, condition of the Contract Documents or of any laws or regulations.

#### 16.8 STATE WAGE DETERMINATIONS

- A. As required by Section 1770 and following, of the California Labor Code, the CONTRACTOR shall pay not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations. Copies of such prevailing rate of per diem wages are on file at the office of the OWNER, which copies shall be made available to any interested party on request. The CONTRACTOR shall post a copy of such determination at each job site.
- B. In accordance with Section 1775 of the California Labor Code, the CONTRACTOR shall, as a penalty, forfeit to the OWNER \$50.00 (or such other amount required by law) for each calendar day or portion thereof, for each worker paid less than the prevailing rates as determined by the Director for the work or craft in which the worker is employed for any public work done under the Contract Documents by him or her or by any subcontractor under him or her.

#### 16.9 WORKERS' COMPENSATION

- A. In accordance with the provisions of Section 3700 of the California Labor Code, the CONTRACTOR shall secure the payment of workers' compensation for its employees.

- B. Prior to beginning work under the Contract, the CONTRACTOR shall sign and file with the OWNER the following certification:

"I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the WORK of this Contract."

- C. Notwithstanding the foregoing provisions, before the Contract is executed on behalf of the OWNER, a bidder to whom a contract has been awarded shall furnish satisfactory evidence that it has secured in the manner required and provided by law the payment of workers' compensation.

#### 16.10 APPRENTICES ON PUBLIC WORKS

The CONTRACTOR shall comply with Section 1777.5 of the California Labor Code relating to employment of apprentices on public works.

#### 16.11 WORKING HOURS

The CONTRACTOR shall comply with all applicable provisions of Section 1810 to 1815, inclusive, of the California Labor Code relating to working hours. The CONTRACTOR shall, as a penalty, forfeit to OWNER \$25.00 (or such other amount required by law) for each worker employed in the performance of the WORK under the Contract Documents by the CONTRACTOR or by any subcontractor for each calendar day during which such worker is required or permitted to work more than 8 hours in any one calendar day and 40 hours in any one calendar week, unless such worker receives compensation for all hours worked in excess of 8 hours at not less than 1-1/2 times the basic rate of pay.

#### 16.12 CONTRACTOR NOT RESPONSIBLE FOR DAMAGE RESULTING FROM CERTAIN ACTS OF GOD

As provided in Section 7105 of the California Public Contract Code, the CONTRACTOR shall not be responsible for the cost of repairing or restoring damage to the WORK which damage is determined to have been proximately caused by an act of God, which damage is in excess of five percent (5%) of the Contract Price, provided, that the WORK damaged was built in accordance with the Contract Documents and accepted and applicable building standards. Consistent with Section 5.2. above, the CONTRACTOR shall obtain insurance to indemnify the OWNER for any damage to the WORK caused by an act of God as defined in said Section 7105.

#### 16.13 CONCRETE FORMS, FALSEWORK, AND SHORING

The CONTRACTOR shall comply fully with all Laws and Regulations and the requirements of the Construction Safety Orders, State of California, Department of Industrial Relations, regarding the design of concrete forms, false work and shoring, and the inspection of same prior to placement of concrete. Where such Orders require the services of a civil engineer registered in the State of California to approve design calculations and working drawings of the false work or shoring system, or to inspect such system prior to placement of concrete, the CONTRACTOR shall employ a registered civil engineer for these purposes, and all costs therefor shall have been included in the Contract Price, and CONTRACTOR shall not be entitled to an increase in Contract Price or Contract Times.

#### 16.14 SUBSTITUTION OF SECURITIES FOR WITHHELD FUNDS

- A. Pursuant to Section 22300 of the California Public Contract Code, the CONTRACTOR may substitute securities for any money withheld by the OWNER to insure performance under the Contract Documents. At the request and expense of the CONTRACTOR,

securities equivalent to the amount withheld shall be deposited with the OWNER or with a state or federally chartered bank in California as the escrow agent, who shall return such securities to the CONTRACTOR upon satisfactory completion of the Contract Documents.

- B. Alternatively, the CONTRACTOR may request and the OWNER shall make payment of retentions earned directly to the escrow agent at the expense of the CONTRACTOR. At the expense of the CONTRACTOR, the CONTRACTOR may direct the investment of the payments into securities and the CONTRACTOR shall receive the interest earned on the investments upon the same terms provided for in this section for securities deposited by the CONTRACTOR. Upon satisfactory completion of the Contract Documents, the CONTRACTOR will receive from the escrow agent all securities, interest, and payments received by the escrow agent from the OWNER, pursuant to the terms of the Contract Documents.
- C. Securities eligible for investment under Section 22300 shall be limited to those listed in Section 16430 of the Government Code and to bank or savings and loan certificates of deposit, interest bearing demand deposit accounts, standby letters of credit, or any other security mutually agreed to by the CONTRACTOR and the OWNER.

#### 16.15 PUBLIC WORKS CONTRACTS; ASSIGNMENT TO AWARDING BODY

Pursuant to Section 7103.5 of the California Public Contract Code, in entering into a public works contract, the CONTRACTOR or subcontractor offers and agrees to assign to the awarding body 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 the subcontract. This assignment shall be made and become effective at the time the awarding body (i.e., OWNER) tenders final payment to the CONTRACTOR, without further acknowledgement by the parties.

#### 16.16 PAYROLL RECORDS; RETENTION; INSPECTION; NONCOMPLIANCE PENALTIES; RULES AND REGULATIONS

- A. In accordance with the Laws and Regulations and Section 1776 of the Labor Code, the CONTRACTOR and each Subcontractor shall keep an accurate payroll record, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per them wages paid to each journeyman, apprentice, worker, or other employee employed by him or her in connection with the public work.
- B. The payroll records enumerated under Section 17.9.A. shall be certified and shall be available for inspection at all reasonable hours at the principal office of the CONTRACTOR on the following basis:
  - 1. A certified copy of an employee's payroll record shall be made available for inspection or furnished to the employee or his or her authorized representative on request.
  - 2. A certified copy of all payroll records enumerated in Section 17.9.A. shall be made available for inspection or furnished upon request to the OWNER, the Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards of the Department of Industrial Relations.
  - 3. A certified copy of all payroll records enumerated in Section 17.9.A. shall be made available upon request by the public for inspection or copies thereof made;

provided, however, that a request by the public shall be made through either the OWNER, the Division of Apprenticeship Standards, or the Division of Labor Standards Enforcement. If the requested payroll records have not been provided pursuant to Section 17.9.B.2. the requesting party shall, prior to being provided the records, reimburse, the costs of preparation by the CONTRACTOR, Subcontractors, and the entity through which the request was made. The public shall not be given access to the records at the principal office of the CONTRACTOR.

- C. The certified payroll records shall be on forms provided by the Division of Labor Standards Enforcement or shall contain the same information as the forms provided by the division. Each CONTRACTOR shall file a certified copy of the records, enumerated in Section 17.9.A. with the entity that requested the records within 10 days after receipt of a written request.
- D. Any copy of records made available for inspection as copies and furnished upon request to the public or any public agency by the awarding body, the Division of Apprenticeship Standards, or the Division of Labor Standards Enforcement shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address, and social security number. The name and address of the CONTRACTOR awarded the contract or performing the contract shall not be marked or obliterated.
- E. The CONTRACTOR shall inform the OWNER of the location of the records enumerated under Section 17.9.A. including the street address, city and county, and shall, within 5 working days, provide a notice of change of location and address.
- F. The CONTRACTOR shall have 10 days in which to comply subsequent to receipt of written notice specifying in what respects the CONTRACTOR must comply with this Section. In the event that the CONTRACTOR fails to comply within the 10-day period, he or she shall, as a penalty to be paid to the OWNER, forfeit twenty-five dollars (\$25.00) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement, these penalties shall be withheld from any payments then due.

#### 16.17 CULTURAL RESOURCES

The CONTRACTOR's attention is directed to the provisions of the Clean Water Grant Program Bulletin 76A which augments the National Historic Preservation Act of 1966 (16 U.S.C. 470) as specified in the Section on Temporary Environmental Controls in the Contract Documents. The CONTRACTOR shall comply with all requirements therein.

#### 16.18 PROTECTION OF WORKERS IN TRENCH EXCAVATIONS

- A. As required by Section 6705 of the California Labor Code and in addition thereto, whenever work under the Contract Documents involves the excavation of any trench or trenches 5 feet or more in depth, the CONTRACTOR shall submit for acceptance by the OWNER or by a registered civil or structural engineer, employed by the OWNER, to whom authority to accept has been delegated, in advance of excavation, a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during the excavation, of such trench or trenches. If such plan varies from the shoring system standards established by the Construction Safety Orders of the Division of Occupational Safety and Health, the plan shall be prepared by a registered civil or structural engineer employed by the CONTRACTOR, and all costs therefor shall have been included in the Contract Price, and CONTRACTOR shall not be entitled to an increase in the Contract Price or Contract

Times. Nothing in this Section shall be deemed to allow the use of a shoring, sloping, or other protective system less effective than that required by the Construction Safety Orders. Nothing in this Section shall be construed to impose tort liability on the OWNER, the ENGINEER, or any of their officers, agents, representatives, or employees.

- B. Excavation shall not start until the CONTRACTOR has obtained all required permits therefor and has posted such at the site.

#### 16.19 DIGGING TRENCHES OR EXCAVATIONS; NOTICE ON DISCOVERY OF HAZARDOUS WASTE OR OTHER UNUSUAL CONDITIONS

- A. Pursuant to Public Contract Code, Section 7104, in digging trenches or other excavations that extend deeper than four feet below the surface CONTRACTOR shall promptly, and before the following conditions are disturbed, notify the OWNER, in writing, of any:
  - 1. 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.
  - 2. Subsurface or latent physical conditions at the site differing from those indicated by information about the site made available to bidders prior to the deadline for submitting bids.
  - 3. 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.
- B. The OWNER shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in the CONTRACTOR'S cost of, or the time required for, performance of any part of the WORK shall issue a change order pursuant to the procedures described in the Contract Documents.
- C. In the event that a dispute arises between the OWNER 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 by the Contract Documents, but shall proceed with all WORK to be performed under the Contract Documents. 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 contracting parties.

#### 16.20 TRAVEL AND SUBSISTENCE PAY

- A. As required by Section 1773.8 of the California Labor Code, the CONTRACTOR shall pay travel and subsistence payments to each workman needed to perform the WORK, as such travel and subsistence payments are defined in the applicable collective bargaining agreements filed in accordance with Section 1773.8.
- B. To establish such travel and subsistence payments, the representative of any craft, classification or type of workman needed to execute the agreements shall file with the Department of Industrial Relations fully executed copies of collective bargaining agreements for the particular craft, classification or type of work involved. Such agreements shall be filed within 10 days after their execution and thereafter shall establish such travel and subsistence payments whenever filed 30 days prior to the call for bids.

## 16.21 REMOVAL, RELOCATION, OR PROTECTION OF EXISTING UTILITIES

- A. In accordance with Section 4215 of the California Government Code, OWNER shall assume the responsibility, between the parties to the contract, for the timely removal, relocation, or protection of existing main or trunkline utility facilities located on the Site of the WORK, if such utilities are not identified by the OWNER in the plans and specifications made a part of the invitation for bids. The OWNER will compensate CONTRACTOR for the costs of locating, repairing damage not due to the failure of the CONTRACTOR to exercise reasonable care, and removing or relocating such utility facilities not indicated in the plans and specifications with reasonable accuracy, and for equipment on the Project necessarily idled during such work.
- B. The CONTRACTOR shall not be assessed liquidated damages for delay in completion of the WORK, when such delay was caused by the failure of the OWNER or the owner of the utility to provide for removal or relocation of such utility facilities.
- C. Nothing herein shall be deemed to require the OWNER to indicate the presence of existing service laterals or appurtenances when the presence of such utilities on the Site of the WORK can be inferred from the presence of other visible facilities, such as buildings, meter and junction boxes, on or adjacent to the site of construction; provided, however, nothing herein shall relieve the OWNER from identifying main or trunk lines in the plans and specifications.
- D. If the CONTRACTOR while performing the Contract discovers utility facilities not identified by the public agency in the Contract Documents it shall immediately notify the OWNER and utility in writing.
- E. Notwithstanding the foregoing, CONTRACTOR shall strictly comply with all Laws and Regulations including Sections 4216, et seq. of the Government Code governing excavations and subsurface installations and utilities.

## **PART 4**

# **INSURANCE REQUIREMENTS**

**CERTIFICATE OF INSURANCE  
TO  
SANTA ANA WATERSHED PROJECT AUTHORITY**

This certifies to Santa Ana Watershed Project Authority, (SAWPA) that the following described policies have been issued to the insured named below and are in force at this time.

Insured: \_\_\_\_\_

Address \_\_\_\_\_

These policies provide insurance coverage for all elements of the work required for the Contact awarded to the Insured which is titled: \_\_\_\_\_

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**POLICIES AND INSURERS**

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**WORKERS' COMPENSATION**

\_\_\_\_\_ Policy No. \_\_\_\_\_ Best's Rating \_\_\_\_\_  
(Name of Insurer)

Employer's Liability \$ \_\_\_\_\_ Expiration Date: \_\_\_\_\_

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\_\_\_\_\_ **COMPREHENSIVE GENERAL LIABILITY**

\_\_\_\_\_ Policy No. \_\_\_\_\_ Best's Rating \_\_\_\_\_  
(Name of Insurer)

Each Occurrence	\$ _____	Personal Injury	\$ _____
General Aggregate (If Applicable)	\$ _____	Fire Damage (per fire)	\$ _____
Products/Comp Opr Aggregate	\$ _____	Self-insured Retention	\$ _____
Medical Expense (per person)	\$ _____		

_____ Premises - Operations	_____ Owner's & Contractor's Protective
_____ Contractual for Specific Contract	_____ XCU Hazards
_____ Broad Form P.D.	_____ Severability of Interest Clause
_____ Personal Injury with Employee Exclusion Removed	

or  
\_\_\_\_\_ Commercial General Liability Expiration Date: \_\_\_\_\_

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**POLICIES AND INSURERS**

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AUTOMOTIVE / VEHICLE LIABILITY

Commercial Form Liability Coverage

\_\_\_\_\_  
(Name of Insurer) Policy No. \_\_\_\_\_ Best's Rating \_\_\_\_\_

BODILY INJURY

PROPERTY DAMAGE

Each Person \$ \_\_\_\_\_

Each Accident \$ \_\_\_\_\_

Each Accident \$ \_\_\_\_\_  
or

Combined Single Limit \$ \_\_\_\_\_

Expiration Date: \_\_\_\_\_

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EXCESS LIABILITY

\_\_\_\_\_  
(Name of Insurer) Policy No. \_\_\_\_\_ Best's Rating \_\_\_\_\_

\_\_\_\_\_ Umbrella Form

\_\_\_\_\_ Other Than Umbrella Form

Each Occurrence \$ \_\_\_\_\_

Aggregate \$ \_\_\_\_\_

Self-Insured Retention \$ \_\_\_\_\_

Expiration Date \_\_\_\_\_

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COMMERCIAL POLLUTION LIABILITY

\$ \_\_\_\_\_

\_\_\_\_\_  
(Name of Insurer)

Policy No. \_\_\_\_\_ Best's Rating \_\_\_\_\_ Expiration Date \_\_\_\_\_  
(Not sooner than Contract completion date)

Self-Insured Retention \$ \_\_\_\_\_

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BUILDER'S ALL RISK Face Amount Equal to Contract Amount plus 15%

\$ \_\_\_\_\_

\_\_\_\_\_  
(Name of Insurer)

Policy No. \_\_\_\_\_ Best's Rating \_\_\_\_\_ Expiration Date \_\_\_\_\_  
(Not sooner than Contract completion date)

Self-Insured Retention \$ \_\_\_\_\_  
(Not more than 5% of the Contract amount)

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The following provisions and types of coverage are included in said policies (indicated by "X") in the appropriate space:

1. [ ] SAWPA, its Commissioners, the Engineer, and Consultants, and each of their Directors, Officers, Employees and Agents, for this contract, and all public agencies from whom permits will be obtained and their Directors, Officers, Employees and Agents are Additional Insureds as to work being performed under this Agreement.
2. [ ] The coverage is Primary, and no other insurance carried by SAWPA will be called upon to contribute to a loss under the coverage.
3. [ ] The Policy(ies) limits are provided on an (occurrence/claims made) basis. (Strike out inapplicable)
4. [ ] Coverage for Broad Form property damage liability, including completed operations.
5. [ ] The policy(ies) cover personal injury liability, as well as bodily injury liability.
6. [ ] Coverage for products and completed operations.
7. [ ] The policy(ies) shall not be cancelled or materially altered without thirty (30) days' prior written notice to SAWPA at the address listed.
8. [ ] The policy(ies) cover the use of all autos when owned by the Insured.
9. [ ] The policy(ies) cover the use of all autos hired by the Insured.
10. [ ] The policy(ies) cover the use of all non-owned autos.
11. [ ] The insurance afforded by the policy for Contractual Liability Insurance (subject to the terms, conditions and exclusions applicable to such insurance) includes liability assumed by the named insured under the indemnification or hold harmless provision contained in the written contract between the named insured and SAWPA.

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Agent's Initials	A copy of all Endorsements to the policy(ies) which in any way limit the above listed types of coverage are attached to this Certificate of Insurance.
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This Certificate or Verification of Insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or any other document with respect to which this Certificate or Verification of Insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all terms, exclusions and conditions of such policies.

IT IS HEREBY CERTIFIED that the above policy(ies) provide liability insurance as required by the Agreement between the Santa Ana Watershed Project Authority and the Insured.

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## NOTICE

No substitution or revision to the above certificate form will be accepted. If the insurance called for is provided by more than one insurance company, a separate Certificate in the exact above form shall be provided for each insurance company.

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(LIABILITY)  
(WORKERS' COMPENSATION)  
(AUTOMOTIVE)  
(EXCESS LIABILITY)  
(COMMERCIAL POLLUTION LIABILITY)  
(BUILDER'S ALL RISK)

Insurers must be admitted in and regulated by the State of California. The Insurers must also have an "A" policyholder's rating and a financial rating of at least Class VI in accordance with the most current Best's Guide Rating.

Insurer: \_\_\_\_\_ Agent: \_\_\_\_\_  
Address: \_\_\_\_\_ Address: \_\_\_\_\_  
\_\_\_\_\_  
Telephone: \_\_\_\_\_ Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_ Fax: \_\_\_\_\_

---

SIGNATURE OF INSURER OR AUTHORIZED REPRESENTATIVE OF THE INSURER

I, \_\_\_\_\_ (print/type name), warrant that I have authority to bind the issuing insurance company and by my signature hereon do so bind said company.

---

(Signature of Authorized Representative)

Organization: \_\_\_\_\_ Title: \_\_\_\_\_  
Address: \_\_\_\_\_ Telephone: \_\_\_\_\_  
\_\_\_\_\_

Original signature also required on all Endorsements furnished to SAWPA.

**Note: This page four must be separately completed for each policy of insurance.**

**COMPREHENSIVE GENERAL LIABILITY  
COMMERCIAL GENERAL LIABILITY**

\*\*\*\*\*

**ENDORSEMENT AGGREGATE LIMITS OF  
INSURANCE PER PROJECT**

In consideration of the policy premium and notwithstanding any inconsistent statement in the policy to which this Endorsement is attached or any other Endorsement attached thereto, it is agreed as follows:

This Endorsement modifies the insurance provided under the General Liability Coverage part of the policy of insurance referenced below, as follows:

The general aggregate limit under LIMITS OF INSURANCE applies separately to the project described by

Contract: \_\_\_\_\_

POLICY INFORMATION

1. Insurance Company: \_\_\_\_\_  
("the Company"); Policy No. \_\_\_\_\_
2. Effective Date of this Endorsement: \_\_\_\_\_
3. Named Insured: \_\_\_\_\_
4. Contract: \_\_\_\_\_

All notices herein provided to be given by the Company to the Owner in connection with this policy and this Aggregate Limits of Insurance Per Project Endorsement, shall be mailed or delivered to SAWPA at 11615 Sterling Avenue, Riverside, California 92503.

I, \_\_\_\_\_ (print/type name), warrant that I have authority to bind the above listed insurance company and by my signature hereon do so bind this company.

\_\_\_\_\_  
(Signature of Authorized Representative)  
(Original signature required on all Endorsements furnished to SAWPA)

Name of Agent/Agency: \_\_\_\_\_

Title: \_\_\_\_\_ Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_



**ADDITIONAL INSURED ENDORSEMENT**  
**(LIABILITY)**  
**(AUTOMOTIVE)**  
**(EXCESS LIABILITY)**  
**(COMMERCIAL POLLUTION LIABILITY)**  
**(BUILDER'S ALL RISK)**

In consideration of the policy premium and notwithstanding any inconsistent statement in the policy to which this Endorsement is attached or any other Endorsement attached thereto, it is agreed as follows:

The Santa Ana Watershed Project Authority, California, its Commissioners, the Engineer, Consultants and each of their Directors, Officers, Employees and Agents, and all Public Agencies from whom permits will be obtained and their Directors, Officers, Employees and Agents are hereby declared to be additional insureds under the terms of this policy, but only with respect to the operations of the Contractor at or from any of the premises of SAWPA in connection with the contract with SAWPA designated below, or acts and omissions of the additional insureds in connection with its general supervision or inspection of said operations.

**POLICY INFORMATION**

1. Insurance Company: \_\_\_\_\_  
("the Company"); Policy No. \_\_\_\_\_
2. Effective Date of this Endorsement: \_\_\_\_\_
3. Named Insured: \_\_\_\_\_
4. Contract: \_\_\_\_\_

All notices herein provided to be given by the Company to the Owner in connection with this policy and this Aggregate Limits of Insurance Per Project Endorsement, shall be mailed or delivered to SAWPA at 11615 Sterling Avenue, Riverside, California 92503.

I, \_\_\_\_\_ (print/type name), warrant that I have authority to bind the above listed insurance company and by my signature hereon do so bind this company.

\_\_\_\_\_  
(Signature of Authorized Representative)  
(Original signature required on all Endorsements furnished to SAWPA)

Name of Agent/Agency: \_\_\_\_\_

Title: \_\_\_\_\_ Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_



**PART 5**

**SUPPLEMENTARY GENERAL  
PROVISIONS**

**SECTION 5**  
**SUPPLEMENTARY GENERAL PROVISIONS**

Section 5, "Supplementary General Provisions," is included as an integral part of the AGREEMENT, and shall be considered in the order of precedence as shown in the Section 3.4 of the General Conditions.

**5.1 DEFINITIONS**

CONSTRUCTION MANAGER - The individual, partnership, corporation, joint-venture, or other legal entity named as such by the OWNER in the Contract Documents and charged with overseeing the daily construction administration on behalf of the OWNER.

**5.2 DESCRIPTION OF WORK**

The work to be done consists, in general, of site clearing, grubbing and remedial earthwork and related incidental work.

Other items of work or details not mentioned above that are required by the Plans, Standard Specifications, or these Supplementary General Provisions, shall be performed, placed, constructed, or installed.

**5.3 SITE VISITATIONS**

Prior to the submission of the bid, the CONTRACTOR shall visit the job site during the pre-bid site visit and make a thorough examination and evaluation of the existing site conditions and surrounding area.

Full compensation for SITE VISITATIONS shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed therefore.

**5.4 PROGRESS SCHEDULE**

The requirements in Subsection 6-1, "Construction Schedule and Commencement of Work," of the Standard Specifications are amended as follows:

The CONTRACTOR shall submit to the CONSTRUCTION MANAGER a progress schedule, on a form provided by the OWNER, at the Pre-Construction meeting.

Subsequent to the time that submittal of a progress schedule is required in accordance with these Supplementary General Provisions, no progress payments will be made for any work until a satisfactory schedule has been submitted to the CONSTRUCTION MANAGER.

**A. PROGRESS SCHEDULE**

The CONTRACTOR shall provide three (3) copies of his proposed Progress Schedule to the CONSTRUCTION MANAGER. The Progress Schedule shall be developed using Primavera P-3 or later version software and shall cover the entire CONTRACT duration and shall consist of, but not limited to, the following:

- 1) The Progress Schedule shall include all proposed construction activities including major procurement items and shop drawing submittals, including shop drawing reviews.
- 2) The Progress Schedule shall include the duration and sequencing of each bid item or construction activity, and major milestones as approved by the OWNER.
- 3) The Progress Schedule shall include a tabulated activity report which shall include the following minimum data for each bid item or construction activity:
  - A. Activity beginning and ending event numbers or activity number preference
  - B. Estimated duration
  - C. Activity description
  - D. Early and latest allowable start date (calendar dated)
  - E. Early and latest allowable finish date (calendar dated)
  - F. Status of each activity (critical)
  - G. Total float of each activity
  - H. Cost value of each activity
- 4) The Progress Schedule shall include the proposed sequencing of all subcontractors, trade crews, and major construction equipment. In developing the Progress Schedule and tabulated activities report, the CONTRACTOR shall be responsible for assuring that all subcontractor work, as well as his own work, is included in the schedule, that work sequences are logical, and that the diagram shows a coordinated plan of work.
- 5) The Progress Schedule and tabulated activities report shall show the sequence and interdependence of activities required for complete performance of the work. The work shall be divided into activities with a maximum duration of fifteen (15) working days each but not less than one (1) working day, unless otherwise directed by the CONSTRUCTION MANAGER, except for non-construction activities such as procurement of construction materials, fabrication of materials, delivery of equipment, etc.
- 6) Within two (2) working days from receipt of the CONSTRUCTION MANAGER's comments, the CONTRACTOR shall revise and resubmit the Progress Schedule and tabulated activity report in accordance with the CONSTRUCTION MANAGER's comments, or formally (in writing) request a joint meeting to resolve any objections to the CONSTRUCTION MANAGER's comments. The joint meeting must be held within two (2) working days from receipt of the CONSTRUCTION MANAGER's comments unless otherwise specified by the CONSTRUCTION MANAGER. If the aforementioned meeting is held, the CONTRACTOR shall revise the Progress Schedule and tabulated activities report to the satisfaction of both parties and resubmit three (3) copies of the

Progress Schedule and tabulated activity report within three (3) working days following the meeting.

#### **B. REVISIONS TO THE SCHEDULE**

At least once a month the CONTRACTOR shall meet with the CONSTRUCTION MANAGER to jointly review the CONTRACTOR's activities and progress as they relate to the approved Progress Schedule. If it appears the schedule does not accurately represent the CONTRACTOR's prosecution and progress of the work, the CONSTRUCTION MANAGER shall request, and the CONTRACTOR shall furnish, two (2) copies of a revised Progress Schedule within five (5) working days of the meeting which, to the CONSTRUCTION MANAGER's satisfaction, accurately represents the CONTRACTOR's activities. If a revised Progress Schedule is deemed necessary, no progress payments will be disbursed to the CONTRACTOR until a revised Progress Schedule is approved by the CONSTRUCTION MANAGER.

If the CONTRACTOR desires to make changes in the Progress Schedule or tabulated activity report to reflect revisions in his method of operating and scheduling of work, the CONTRACTOR shall notify the CONSTRUCTION MANAGER in writing, stating the reasons for the proposed revision(s). The CONTRACTOR shall furnish the CONSTRUCTION MANAGER with two (2) copies of the proposed-revised schedule and tabulated activity report. If the CONTRACTOR changes the approved Progress Schedule or tabulated activity report without consent of the CONSTRUCTION MANAGER, no progress payments will be disbursed to the CONTRACTOR until the revised schedule and report is approved by the CONSTRUCTION MANAGER.

#### **C. REVISED PROGRESS SCHEDULE FOR CHANGES, DELAYS, TIME EXTENSIONS, AND CONTRACTOR REQUESTS**

When change orders are initiated, delays are experienced, or the CONTRACTOR desires to revise the Progress Schedule, the CONTRACTOR shall submit to the CONSTRUCTION MANAGER a Time Impact Analysis incorporating the change, delay, or revision. Activity time delays will not automatically guarantee the CONTRACTOR an extension of CONTRACT time. An extension in CONTRACT time will only be allowed when the CONTRACTOR can demonstrate that the duration of the activity, affected by the delay, affects the critical path of the PROJECT and all available float has been exhausted.

The CONTRACTOR shall submit two (2) copies of the revised schedule for the approval of the CONSTRUCTION MANAGER. No CONTRACT time extensions or extra payments will be applied toward monthly progress payments until the revised schedule is approved by the CONSTRUCTION MANAGER.

#### **D. PAYMENT FOR PROGRESS SCHEDULE**

Full compensation for conforming to the requirements of PROGRESS SCHEDULE including all submittals, revisions, coordinating, scheduling, labor, materials, tools, equipment, and incidentals necessary shall be included in the various CONTRACT items of work and no additional compensation will be allowed therefore.

### **5.5 COOPERATION**

The requirements of Subsection 5-6, "Cooperation," and 7-7, "Cooperation and Collateral Work," of the Standard Specifications, are amended as follows:

The CONTRACTOR shall cooperate with all private property owners affected by the PROJECT, notifying them at least 2 days before commencement of any work on/or adjacent to their property.

Full compensation for COOPERATION shall be considered as included in the various CONTRACT items of work involved and no additional compensation will be allowed therefore.

## **5.6 DUST CONTROL**

To Subsection 7.8.1, "Cleanup and Dust Control," of the Standard Specifications add the following:

Dust control shall hereby be defined as the elimination and/or control of dirt, dust, mud and debris from propagating or spreading onto properties, private or public, adjacent to the PROJECT and CONTRACTOR's work areas.

No separate payment will be made for any work performed or material used to control dust resulting from the CONTRACTOR's performance of the work, or by public traffic, either inside or outside the right-of-way.

Construction activity will take place in environmentally sensitive open space areas. Dust Control shall be strictly enforced. CONTRACTOR shall at all times keep a water truck or other equipment at the job site in working order capable of performing dust control for the duration of the CONTRACT period. Subject to paragraph two of Subsection 7.8.1, "Cleanup and Dust Control," of the Standard Specifications, the CONTRACTOR is required to furnish and operate a self loading motor sweeper with spray nozzles a minimum of once each work day, when and where required for proper dust control, and as directed by the CONSTRUCTION MANAGER. Cost for furnishing and operating sweeper (including those instances in addition to the minimum requirements) shall be included in the price paid for the various related proposal items and no additional compensation will be allowed therefore.

Dust control shall be performed a minimum of four times a day for the duration of the CONTRACT period: twice in the morning and twice in the afternoon (time periods to be equally spaced), and as directed by the CONSTRUCTION MANAGER. Dust control performed by the CONTRACTOR in addition to the minimum daily requirement and at the direction of the CONSTRUCTION MANAGER, shall be considered as included in the price paid for the various related proposal items and no additional compensation will be allowed therefore.

Performing the minimum dust control required by the CONTRACT will in no way relieve the CONTRACTOR from his responsibility for providing adequate dust control measures.

Full compensation for conforming to the requirements of DUST CONTROL including all labor, equipment, tools, materials, and incidentals shall be considered as included in the price paid for the various related proposal items and no additional compensation will be allowed therefore.

## **5.7 DEVELOP WATER SUPPLY**

Developing a temporary water supply, as determined by the CONTRACTOR, shall include coordination with the appropriate water agency and furnishing all materials, labor and equipment to implement the temporary water supply system, including meters, backflow

devices, piping and storage tanks. The CONTRACTOR shall be responsible for all permit fees, water usage charges and all other related expenses for the installation and removal of the temporary water system.

Full compensation for developing a temporary water supply and for furnishing and placing all water required for work done in the contract, shall be considered as included in the various Contract items and no additional compensation will be allowed therefore.

## **5.8 UTILITIES**

The OWNER has endeavored to locate and show on the plans the approximate locations of all private and public utilities and facilities to be encountered during construction. However, it is possible that, during the work, unknown substructures requiring relocation or protection may be encountered. The CONTRACTOR shall immediately notify the OWNER if an unknown utility is encountered in accordance with Section 5 of the Standard Specifications.

Prior to the commencement of work, the CONTRACTOR shall verify the location and depth of all utilities, including service laterals and service connections, which have been indicated on the plans or marked by the respective owners and which may affect or be affected by its operations.

The CONTRACTOR's attention is directed to the utility notification service provided by UNDERGROUND SERVICE ALERT (USA). USA member utilities will provide the CONTRACTOR with the locations of their substructures in the construction area when the CONTRACTOR gives at least two working days notice to the Underground Service Alert by calling 1-800-422-4133. The CONTRACTOR shall call USA prior to any work (such as filling, resurfacing, paving) over substructures to allow owners to locate and/or obtain accurate "ties" on their manholes, valve covers, meter boxes, etc.

Full compensation for conforming to the requirements of UTILITIES shall be considered as included in the various items of work involved and no additional compensation will be allowed therefore.

## **5.9 MAINTAIN TRAFFIC AND DETOURS**

Add to Subsection 7-10.1, "Traffic and Access," of the Standard Specifications the following:

When entering or leaving roadways carrying public traffic, the CONTRACTOR's equipment, whether empty or loaded shall in all cases yield to public traffic. No excavation within five feet of the traveled way shall remain open longer than is necessary to perform the work, and in no case shall remain unfenced or unplated overnight or on weekends. Means and Methods shall comply with current County and Statewide guidelines and requirements.

Access to private properties shall be maintained at all times during the construction where practical. Prior to restricting normal access to private properties CONTRACTOR shall provide notification as required in Section 5.5, "COOPERATION," of these Supplementary General Provisions. In no case shall access to private property be restricted longer than 24 hours unless otherwise approved by the CONSTRUCTION MANAGER.

Spillage resulting from hauling operations along or across any public traveled way shall be removed immediately by the CONTRACTOR, at CONTRACTOR's expense.

Should the CONTRACTOR furnish insufficient warning and protective measures as above provided, the CONSTRUCTION MANAGER may direct that the necessary warning and protective measures be furnished and installed by the CONTRACTOR, at CONTRACTOR's expense. However, the CONSTRUCTION MANAGER shall not be responsible for detecting the inadequacies of the CONTRACTOR's warnings and protective measures. Public safety by furnishing proper warning and protective devices shall be the sole responsibility of the CONTRACTOR.

The CONTRACTOR may be required to obtain city permit(s) or approvals regarding hauling and traffic control.

CONTRACTOR shall be responsible for coordinating all approvals and acquiring all permits from Cities.

Full compensation for conforming to the requirements of MAINTAIN TRAFFIC AND DETOURS including:

- 1) Furnishing all labor, tools, equipment and materials necessary to do the work.

MAINTAIN TRAFFIC AND DETOURS shall be considered as included in the various CONTRACT items of work involved and no additional compensation will be allowed therefore.

#### **5.10 MOBILIZATION**

The lump sum price paid for MOBILIZATION shall include full compensation for providing bonds, insurance, financing, and moving equipment to the job site and no additional payment will be made therefore.

The lump sum price bid in the Proposal, shall be paid evenly over the first two monthly progress payments. The total price bid for Mobilization shall include the cost of all mobilization and administration for the entire CONTRACT period and shall not exceed two (2) percent of the total price bid.

Full compensation for conforming to the requirements in MOBILIZATION shall be included in the LUMP SUM contract price bid and no additional compensation will be allowed therefore.

The allowance bid item for RAIN EVENT MOBILIZATION (EVACUATION) shall include full compensation for the CONTRACTOR to temporarily remove equipment and materials from the project site, secure the site in preparation of a rain event and potential flooding and re-mobilize once site conditions are suitable to continue the work. The OWNER shall have the sole responsibility to implement this bid item and shall notify the CONTRACTOR in writing if conditions warrant its use. The OWNER reserves the right to add or delete funds from this bid item allowance without affecting quantities or prices of other bid proposal items.

#### **5.11 EMERGENCY RESPONSE PLAN**

The CONTRACTOR shall submit an emergency response plan to outline procedures to be followed by employees in the event of a rain event mobilization, illness or injury on the job-site and rain event evacuation or sewer spill. The plan shall indicate 7/24 emergency contact phone numbers for the Contractor, SAWPA staff and Western Municipal Water District, locations of nearest fire stations and hospitals, the Contractor's designated safety representative and emergency response procedures to be implemented by Contractor's staff. Include a description of emergency response materials and/or equipment that must be on site whenever work is

being performed. The plan shall be approved by the OWNER and the Army Corps of Construction Managers.

## **5.12 EARTHWORK**

Earthwork shall conform to the provisions of Section 300, "Earthwork," of the Standard Specifications, these Supplementary General Provisions and Soils Report.

To Section 300, "Earthwork," of the Standard Specifications, add the following:

Whenever reference to finished grade is made, it shall be considered to be the finished surface of the completed facility.

Trenches, holes, depressions and pits caused by the removal of facilities shall be backfilled with embankment material as provided in Section 300, "Earthwork," of the Standard Specifications. Such trenches, holes, depressions and pits that are in surfaced areas, otherwise to remain undisturbed, shall be backfilled with material equal to or better in quality and to the same thickness as the surrounding materials.

When hauling is done over public highways, and when directed by the CONSTRUCTION MANAGER, loads shall be trimmed and all material removed from shelf area of vehicles in order to eliminate spilling of material. If directed by the CONSTRUCTION MANAGER, loads shall be watered after trimming to eliminate dust.

Operations shall be conducted in such a manner that existing highway facilities, utilities, and other upon-highway facilities, which are to remain in place will not be damaged.

Surplus excavated material shall become the property of CONTRACTOR. CONTRACTOR shall be responsible to dispose surplus material outside of PROJECT right-of-way in accordance with all applicable ordinances.

## **5.13 VARIATIONS IN ESTIMATED QUANTITIES**

The unit price paid on specific bid items identified in the technical specifications will not be adjusted pursuant to Section 10.2 of the General Conditions. The quantities of such bid items can not be determined until the work is performed and compensation will be paid at the unit price listed regardless of the quantity.

**PART 6**

**TECHNICAL SPECIFICATIONS**

**TECHNICAL SPECIFICATIONS  
TABLE OF CONTENTS**

01380	CONSTRUCTION PHOTOGRAPHY
02110	SITE CLEARING

**SECTION 01380**  
**CONSTRUCTION PHOTOGRAPHY**

**PART 1 -- GENERAL**

1.1 PHOTOGRAPHS

- A. Take a minimum of 150 color photographs during the construction period. The maximum number of color photographs required will be 250.
- B. Take an additional 50 color photographs of the completed or substantially completed Work.
- C. Photographs shall be taken approximately twice each month.

1.2 PRINTS

- A. Submit two color prints of each photograph as soon as they are available.
- B. Furnish additional photographs or prints requested by the OWNER at cost.
- C. Provide high quality 4-inch and 6-inch standard weight prints with a satin finish.
- D. Place the following information on the back of each print:
  - 1. Date photograph was taken.
  - 2. Title of project.
  - 3. Description of view shown in photograph.

1.3 PRECONSTRUCTION PHOTOGRAPHS

A. General

- 1. It is the Contractor 's responsibility to take a sufficient number of preconstruction photographs so as to resolve any disputes which may arise regarding the considerations prior to and subsequent to construction.
- 2. If a dispute arises where no preconstruction photographs were taken, the disputed area shall be restored to the extent directed by the Construction Manager and to the complete satisfaction of the Construction Manager.
- 3. The Contractor must furnish one set of color prints of the preconstruction photographs to the Construction Manager, and must make others available for review in settling any disputes.

4. The Construction Manager may, at his option, take additional preconstruction photographs which may be used to settle disputes, but he will not be required to make these photographs available to the Contractor.
5. Preconstruction photographs taken by the Contractor will not be considered as part of the required number of construction photographs required in Paragraph 1.1 above.

1.5 VIDEO TAPING OF PRE-EXISTING CONDITIONS:

- A. The Contractor shall video tape all Project pre-existing surface conditions prior to the start of any construction activities. Important Project aspects that shall be video taped include but are not limited to:
  1. Property lines.
  2. Right-of-way and easement conditions.
  3. Utility markings.
  4. Survey conditions.
  5. Pavement conditions.
  6. Adjacent property conditions.
  7. Sidewalk, median, curb, and gutter conditions.
  8. Landscaping, planting, and irrigation conditions.
  9. Safety conditions.
  10. Other unusual conditions or equipment/facility installations.
- B. The Contractor's video capability, equipment, and operators shall conform to the following minimum criteria:
  1. Video tape shall be automatically dated and timed.
  2. The video camera shall be equipped with a zoom lens.
- C. All video taping of pre-existing surface conditions shall be performed in the presence of the Construction Manager.
- D. The Contractor shall make all arrangements for video taping, including coordination with the Construction Manager.
- E. The Contractor shall transmit all original video to the Construction Manager on DVD immediately after taping. Video shall be submitted to the Construction Manager no later

than ten (10) days after issuance of Notice to Proceed, and no construction Work shall commence prior to the Construction Manager's acceptance of the video.

- F. The Contractor shall not be entitled to any additional Working days due to video taping activities, including securing video taping services, taping and editing activities, or submitting video tapes to and obtaining acceptance from the Construction Manager.

## **PART 2 -- PRODUCTS (Not Used)**

## **PART 3 -- EXECUTION**

### **3.1 PAYMENT**

- A. Full compensation for performing construction photography shall be included in the LUMP SUM price listed in the bid proposal and no additional compensation will be allowed therefore.

**\*\* END OF SECTION \*\***

**SECTION 02110**  
**SITE CLEARING**

**PART 1 - GENERAL**

1.01 SECTION INCLUDES

The work of the Contractor covered by these specifications consists of furnishing labor equipment and materials to perform all operations necessary to remove existing vegetation, trees, stumps and other materials to the limits shown on the plans or as directed in writing by the Construction Manager.

1.02 SPECIFICATIONS, CODES, AND STANDARDS

Standard Specifications for Public Works Construction, 2009 edition (Greenbook) is referenced and made a part of this section.

1.03 SUBMITTALS

- A. Work Plan – Provide a work plan to describe the equipment and procedures to be used to establish the access road centerline and the limits of clearing, include the location of material and equipment staging and storage areas. No fuels, solvents or other hazardous and/or flammable chemicals shall be stored within the project limits. Such materials shall be contained within vehicles approved to store and transport hazardous materials.

**PART 2 - MATERIALS (NOT USED)**

**PART 3 - EXECUTION**

3.01 PROTECTION

- A. Contractor shall locate, identify, and protect utilities that are intended to remain from damage.
- B. Contractor shall protect any trees, plant growth, and features designated and intended to remain.
- C. Contractor shall protect benchmarks and any existing structures from damage or displacement. If damaged or removed, Contractor shall replace and restore the item at the Contractor's expense.

3.02 PREPARATORY WORK

- A. Clearing limits shall be clearly indicated in the field by means of colored flagging or stakes and shall not exceed the limits shown on the plans or staked in the field by the Owner's surveyor. The limits shall be approved by the Construction Manager prior to performing the work.

3.03 CLEARING AND GRUBBING

- A. Clearing and grubbing shall be in accordance with Section 300-1 of the Greenbook.

- B. Clearing and grubbing shall stay within the limits flagged by the Owner's surveyors. Clear branches of trees that overhang the limits to be cleared to a height of 20 feet.
- C. Tree trunks, stumps, branches and all other vegetative materials shall be mulched and deposited uniformly beyond the limits to be cleared. Trash and non-vegetative debris shall be disposed of off-site at an acceptable landfill facility.
- D. Existing trees and branches that have fallen across the limits of clearing shall be removed as described herein and included in the respective clear and grub square footage. No additional compensation will be provided.
- E. Remove tree stumps (defined as 6-inches in diameter or greater when cut at 12-inches above the ground) within the clearing limits to a depth of 12-inches below grade. Tree stumps shall be numbered and documented by digital photos prior to being mulched. A weekly report shall be submitted to the Construction Manager to track the number to tree stumps removed. Stumps from trees less than 6-inches in diameter shall be removed by scarification of the cleared area and paid under the Scarify/Remedial Grading bid items.
- F. Scarify the upper 12-inches of the area to be cleared and perform minor grading and compaction of the cleared area to create level driving surface as directed by the Construction Manager. Remove all exposed roots and vegetation following the scarification. Moisture condition and compact the road surface to remove any soft soil conditions as directed by the Construction Manager. Construction vehicle traffic within the area to be cleared will be considered sufficient compaction effort.

#### 3.04 CLOSE-OUT WORK

- A. Remove all materials used to create passable construction access through the project corridor. Perform minor grading to fill in ruts and other small depressions along the access road.

#### 3.05 PAYMENT

- A. Full compensation for performing site clearing shall be included in the UNIT PRICE listed for various items in the bid proposal and no additional compensation will be allowed therefore.
- B. Full compensation for the removal of tree stumps and associated documentation shall be included in the unit price bid for each Tree and Stump Removal and no additional compensation will be allowed therefore. The unit price listed in the bid proposal shall be paid regardless of the number of trees and stumps removed within the limits to be cleared.
- C. Evacuating the project site during imminent rain conditions shall include removal of all personnel, equipment and materials in advance of runoff conditions and re-mobilization once the site conditions are suitable to resume work. Full compensation for Rain Event De-Mobilization (Evacuation) shall be included in the UNIT PRICE bid listed in the bid proposal. The unit price listed in the bid

proposal shall be paid regardless of the number of rain event de-mobilizations performed.

**END OF SECTION**

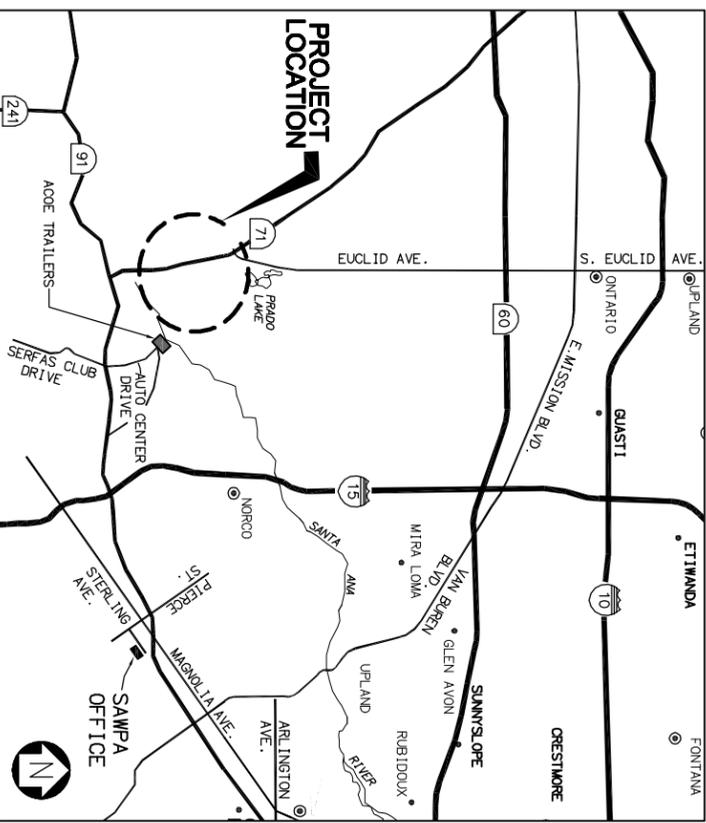
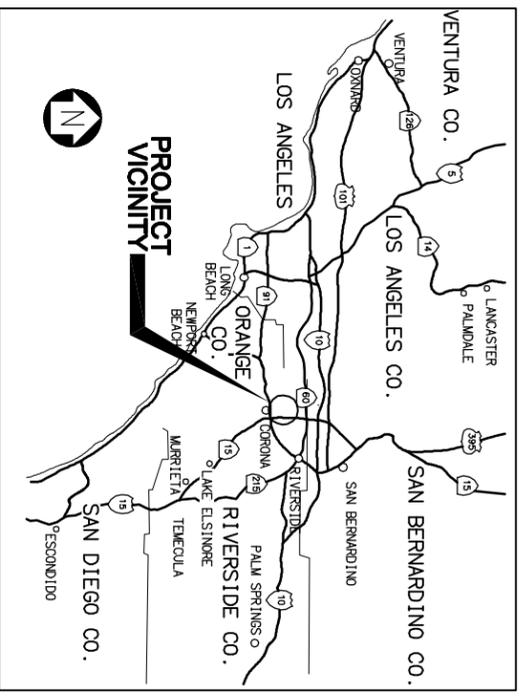
**PART 7**

**CONSTRUCTION DRAWINGS**

# SANTA ANA WATERSHED PROJECT AUTHORITY

## SANTA ANA REGIONAL INTERCEPTOR (SARI)

### SITE CLEARING - REPAIRS TO UNLINED RCP REACH IV-A (LOWER)



- WORK TO BE DONE**
1. CONTRACTOR SHALL PERFORM SITE CLEARING AND GRUBBING OF THE AREAS INDICATED. MULCH CLEARED VEGETATION IN ACCORDANCE WITH THE SPECIFICATIONS.

**APPROVED BY:**

RICHARD E. HALLER, P.E.  
SANTA ANA WATERSHED PROJECT AUTHORITY  
EXECUTIVE MANAGER OF ENGINEERING AND OPERATIONS

DATE



REV	DATE	DESCRIPTION	APP	DATE
1		RECORD DRAWINGS		

**PBF CONSULTING**  
PLANNING ■ DESIGN ■ CONSTRUCTION  
8785 CLAREMONT MESA BLVD., SUITE 100  
SAN DIEGO, CA 92124-1324  
858.814.5000 • FAX 858.814.5001

**SANTA ANA WATERSHED PROJECT AUTHORITY**  
11615 STERLING AVENUE • RIVERSIDE, CA 92503  
(951) 354-4220 • [www.sawpa.org](http://www.sawpa.org)

SITE CLEARING - REPAIRS TO UNLINED RCP, REACH IV-A LOWER  
TITLE SHEET

**DIG ALERT**

UNDERGROUND SERVICE ALERT (USA) OF SOUTHERN CALIFORNIA

DIAL TOLL FREE  
1-800-422-4133  
AT LEAST TWO DAYS  
BEFORE YOU DIG



DATE	NO.	SHEETS
T-1	1	7

**GENERAL NOTES:**

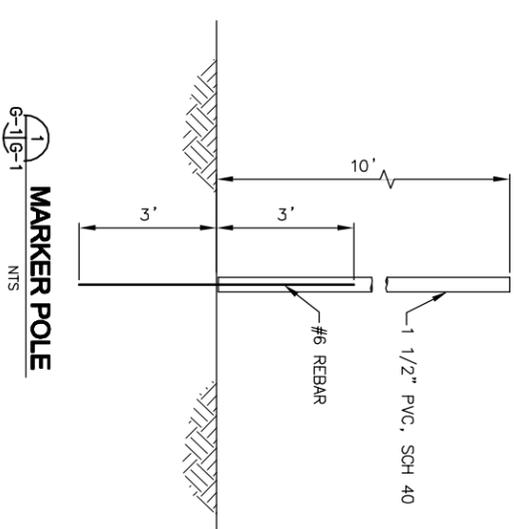
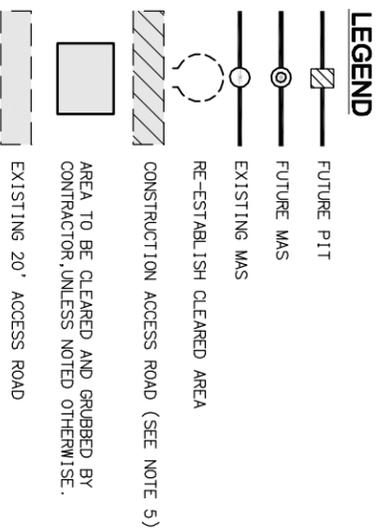
1. THE CONTRACTOR SHALL CONDUCT APPROPRIATE FIELD INSPECTIONS TO DETERMINE EXISTING SITE CONDITIONS THAT MAY IMPACT THE PERFORMANCE OF THE WORK. ACCESS TO THE SITE PRIOR TO CONSTRUCTION SHALL BE COORDINATED THROUGH SAMPA. PROVIDE A MINIMUM OF TWO(2) WORKING DAY ADVANCE NOTICE PRIOR TO ANY PRE-CONSTRUCTION SITE VISIT. ONLY ONE PRE-BID SITE VISIT SHALL BE PERFORMED ON THE DATE INDICATED IN THE BID DOCUMENTS.
2. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE PERFORMANCE OF THE WORK, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORK HOURS.
3. THE CONTRACTOR SHALL PROVIDE SAMPA WITH A MINIMUM 2 WORKING DAY NOTICE PRIOR TO THE START OF WORK AND MOBILIZING TO THE SITE.
4. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN, INQUIRY IDENTIFICATION NUMBER BY U.S.A.
5. THE CONTRACTOR IS REQUIRED TO DEVELOP A CONTINUOUS 20 FOOT CONSTRUCTION ACCESS ROAD AS INDICATED ON PLANS. THE EXISTING ROAD IS APPROXIMATELY 10 FEET WIDE. CONTRACTOR SHALL CLEAR UP TO, BUT IN NO CASE, MORE THAN 10 ADDITIONAL FEET IN WIDTH.
6. CONTRACTOR SHALL PROVIDE ONE-WEEK ADVANCE NOTICE TO THE ARMY CORPS OF ENGINEERS PRADO DAM TENDER, RESERVOIR OPERATIONS CENTER (ROC) (213) 452-3623 AND KATIE PARKS (213) 452-3392 BEFORE MOBILIZATION TO THE SITE.
7. THE CONTRACTOR IS ADVISED THAT THE PROJECT WORK AREA IS WITHIN A HIGH HAZARD FLOOD ZONE AND IS SUBJECT TO INUNDATION. THE CONTRACTOR MAY BE REQUIRED TO DE-MOBILIZE FROM THE PROJECT AREA DUE TO IMMINENT RAIN WARNING IN THE WATERSHED. DURING FORECASTED WET WEATHER CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ROC THAT PERSONNEL WILL BE WORKING WITHIN THE BASIN. THE CONTRACTOR SHALL OBTAIN THE EXPECTED RESERVOIR LEVEL FROM THE ROC.
8. CONTRACTOR SHALL SUBMIT A PRECONSTRUCTION VIDEO OF EXISTING SITE CONDITIONS, INCLUDING ACCESS AND EGRESS ROUTES.
9. CLEAR AND GRUB LIMITS SHALL EXTEND TO A HEIGHT OF 20 FEET ABOVE GRADE.
10. THE WORK SHALL INCLUDE REMOVAL OF TREE STUMPS AS DESCRIBED IN THE SPECIFICATIONS AND REMEDIAL SITE GRADING OVER THE CLEARED AREA AND ACCESS ROAD. NO IMPORTED FILL WILL BE PERMITTED. THE AREAS TO BE CLEARED MAY BE REDUCED OR ENLARGED AS DETERMINED IN THE FIELD BY THE CONSTRUCTION MANAGER.
11. CONTRACTOR SHALL PLACE MARKER POLES AT 200 FOOT INTERVALS (STAGGERED) ON EACH SIDE TO THE CLEARED ACCESS ROAD AND AT 100 FOOT SPACING, OR FRACTION THEREOF, AROUND THE PERIMETER AND AT ALL CORNERS OF CLEARED WORK AREAS. MARKER SHALL BE CONSTRUCTED PER DETAIL 1 ON THIS SHEET.

**ABBREVIATIONS**

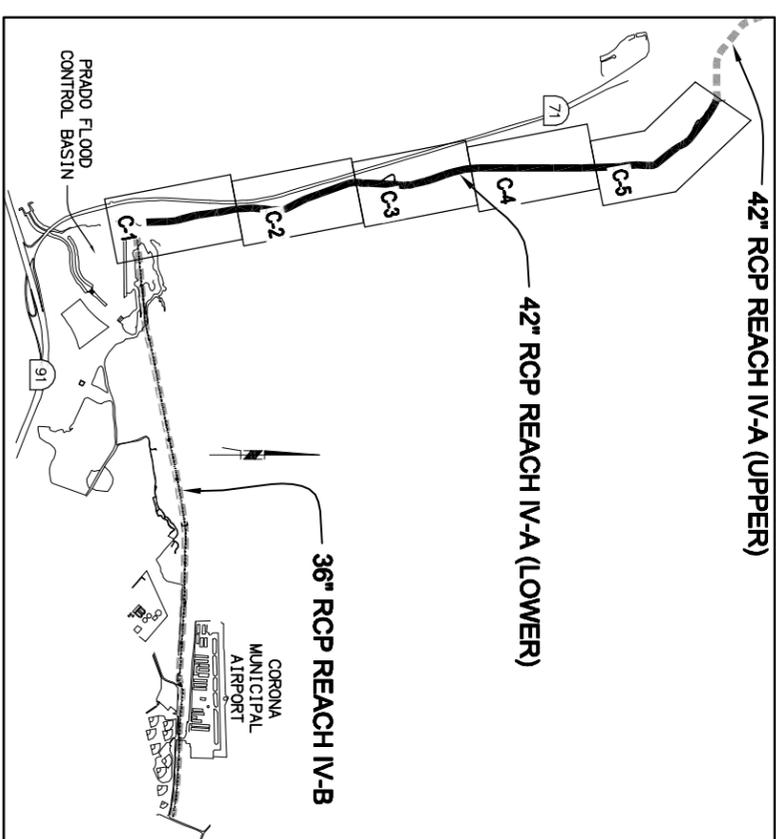
CM	CONSTRUCTION MANAGER
DIA.	DIAMETER
E	EASTING
EX. EXIST	EXISTING
HDPE	HIGH DENSITY POLYETHYLENE PIPE
MAS	MAINTENANCE ACCESS STRUCTURE
N	NORTHING
NTS	NOT TO SCALE
RCP	REINFORCED CONCRETE PIPE
SAMPA	SANTA ANA WATERSHED PROJECT AUTHORITY
SPEC. (S.)	SANTA ANA WATERSHED PROJECT AUTHORITY SPECIFICATION(S)
STA	STATION

**SHEET INDEX**

SHEET NO.	REF. NO.	SHEET TITLE
1	T-1	TITLE SHEET
2	G-1	NOTES
3	C-1	STA 1+00 TO STA 30+00
4	C-2	STA 30+00 TO STA 66+00
5	C-3	STA 66+00 TO STA 101+00
6	C-4	STA 101+00 TO STA 135+00
7	C-5	STA 135+00 TO STA 166+89



**MARKER POLE**  
G-116-1  
NTS



**KEY MAP SHEET INDEX**  
NO SCALE

**BASIS OF SURVEY:**

BASIS OF COORDINATES: THE BASIS OF COORDINATES FOR THIS PROJECT IS BASED UPON NORTH AMERICAN DATUM OF 1927, CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 5 LAMBERT PROJECTION.

BENCHMARK: TOP OF MAS #44-0180, STA. 166+89.13, RIM ELEVATION = 514.00



REV	DATE	DESCRIPTION	APP	DATE
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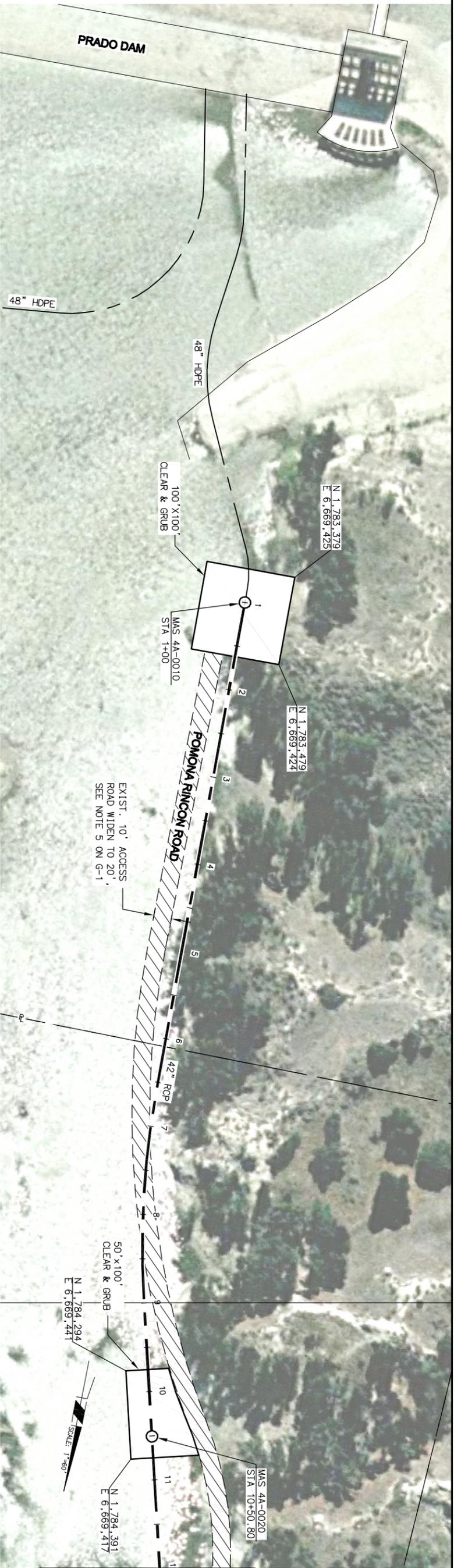
**RPB CONSULTING**  
PLANNING ■ DESIGN ■ CONSTRUCTION  
8785 CLAREMONT MESA BLVD., SUITE 100  
SAN DIEGO, CA 92124-1324  
858.814.5000 • FAX 858.814.5001

**SANTA ANA WATERSHED PROJECT AUTHORITY**  
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(951) 354-4220 • www.sampra.org

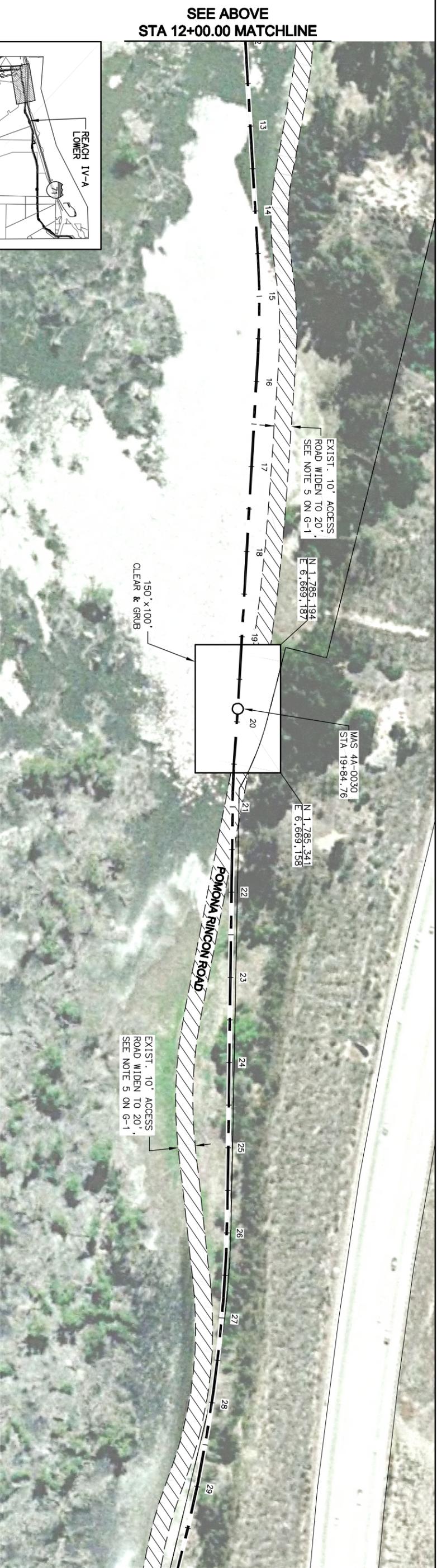
SITE CLEARING - REPAIRS TO UNLINED RCP, REACH IV-A LOWER  
**GENERAL NOTES**

PROJECT NO.	G-1
SHEET NO.	2
TOTAL SHEETS	7

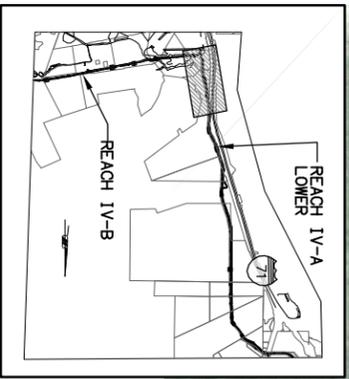
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STA 12+00.00 MATCHLINE  
SEE BELOW



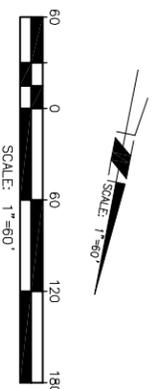
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SEE SHEET C-2



**KEY MAP**  
NOT TO SCALE

**PLAN: REACH IV-A LOWER**  
SCALE: 1"=60'

**NOTE:**  
INSTALL MARKER POLES PER  
NOTE 11, SHEET G-1.



WARNING  
IF THIS BAR DOES NOT MEASURE 1" NOT TO SCALE



REV	DATE	DESCRIPTION	APP	DATE

**RECORD DRAWINGS**

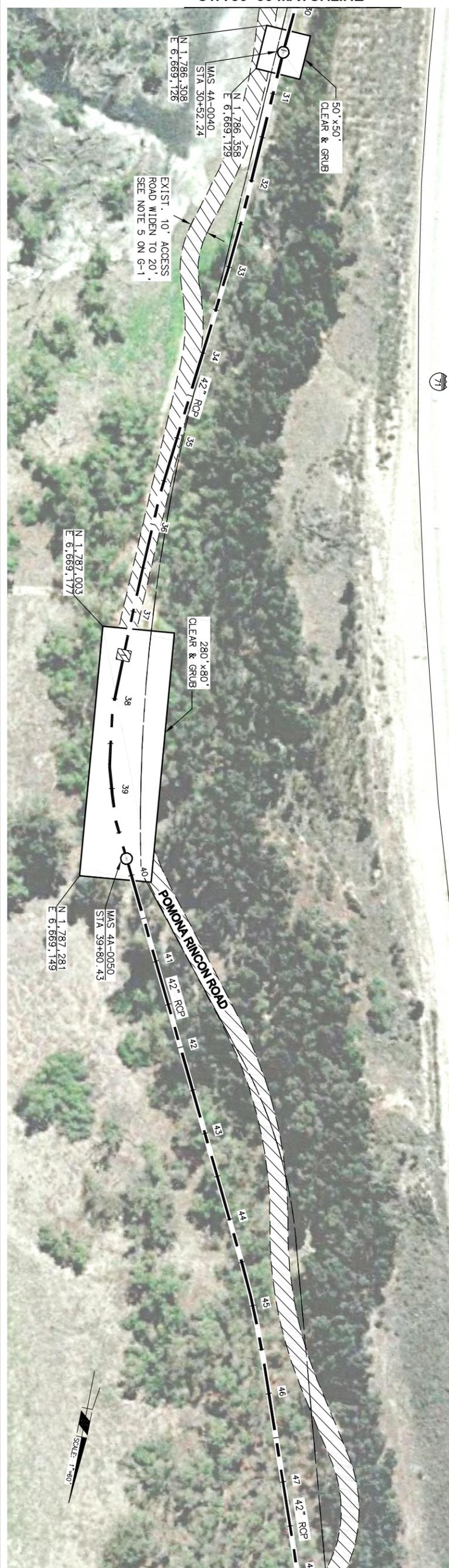
DESIGN BY	CHECKED BY

**SANTA ANA WATERSHED PROJECT AUTHORITY**  
11615 STERLING AVENUE • RIVERSIDE, CA 92503  
(951) 354-4220 • www.sawpa.org

**SITE CLEARING - REPAIRS TO UNLINED RCP, REACH IV-A LOWER**  
REACH IV-A LOWER  
STATION 1+00 TO STATION 30+00

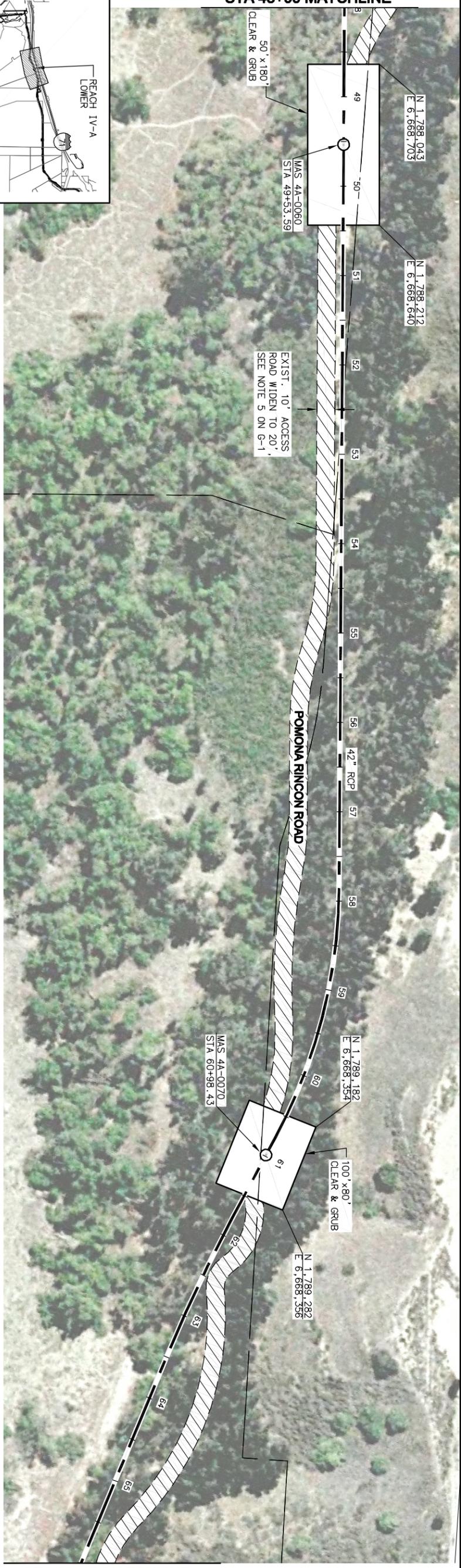
PROJECT NO. **C-1**  
SHEET NO. **3**

SEE SHEET C-1  
STA 30+00 MATCHLINE

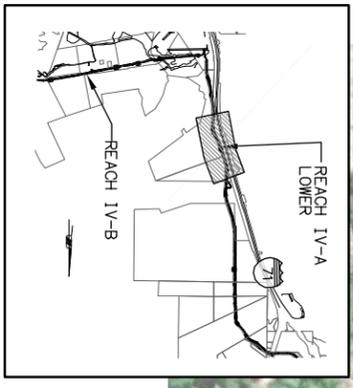


STA 48+00 MATCHLINE  
SEE BELOW

SEE ABOVE  
STA 48+00 MATCHLINE



STA 66+00 MATCHLINE  
SEE SHEET C-3



**KEY MAP**  
NOT TO SCALE

**PLAN: REACH IV-A LOWER**  
SCALE: 1"=60'

**NOTE:**  
INSTALL MARKER POLES PER  
NOTE 11, SHEET G-1.



REV	DATE	DESCRIPTION	APP

**PBF CONSULTING**  
PLANNING ■ DESIGN ■ CONSTRUCTION  
8755 CLAREMONT MESA BLVD., SUITE 100  
SAN DIEGO, CA 92124-1324  
858.814.5000 • FAX 858.814.5001

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11615 STERLING AVENUE • RIVERSIDE, CA 92503  
(951) 354-4220 • www.sawpa.org

SITE CLEARING - REPAIRS TO UNLINED RCP, REACH IV-A LOWER  
REACH IV-A LOWER  
STATION 30+00 TO STATION 66+00

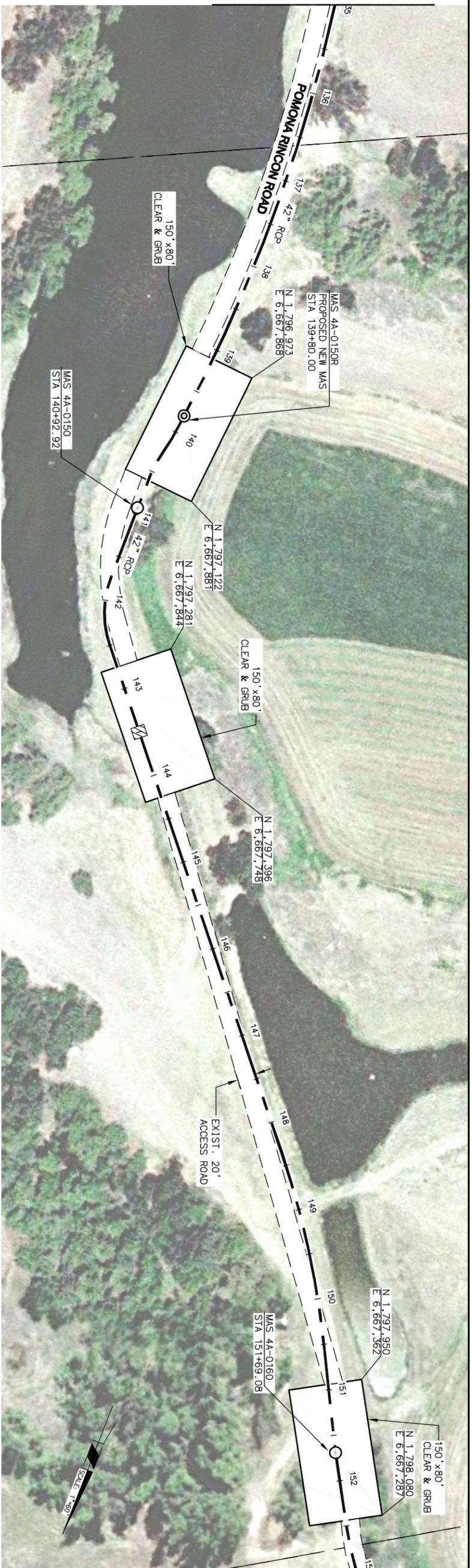
PROJECT NO.	C-2
SHEET NO.	4
TOTAL SHEETS	7

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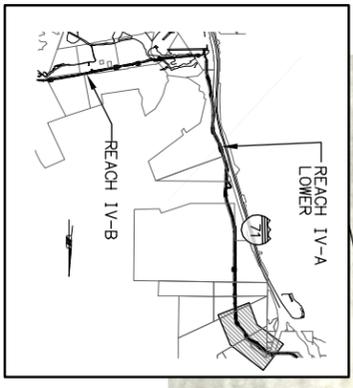
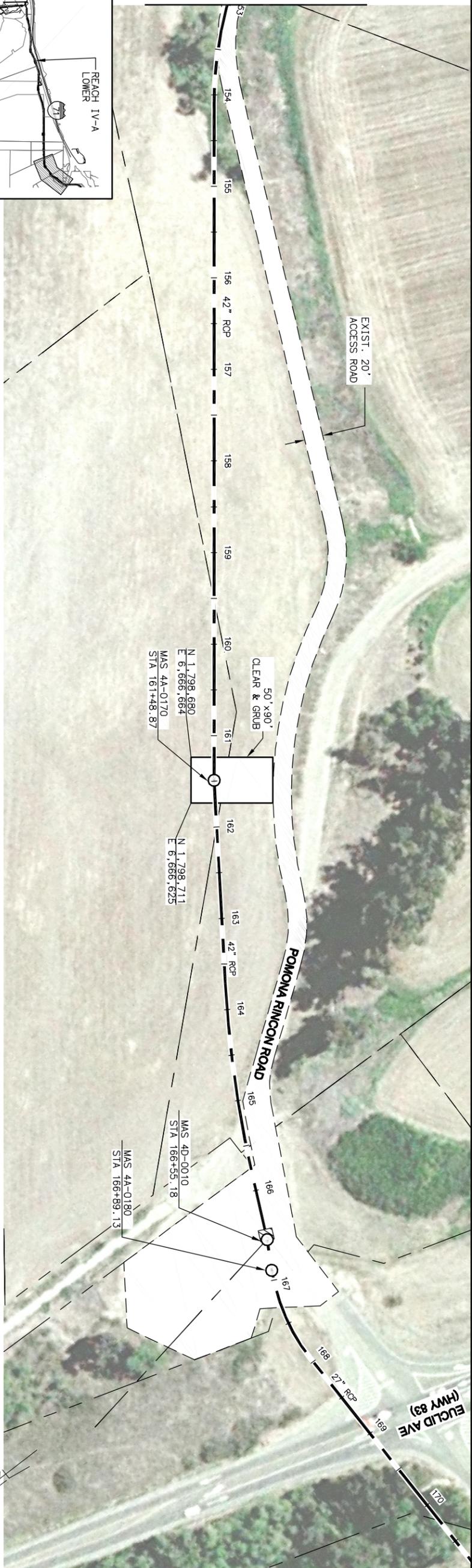


SEE SHEET C-4  
STA 135+00 MATCHLINE



STA 153+00 MATCHLINE  
SEE BELOW

SEE ABOVE  
STA 153+00 MATCHLINE



**KEY MAP**  
NOT TO SCALE

**PLAN: REACH IV-A LOWER**  
SCALE: 1"=60'



REV	DATE	DESCRIPTION	APP

**REDF**  
PLANNING ■ DESIGN ■ CONSTRUCTION  
8755 CLAREMONT MESA BLVD., SUITE 100  
SAN DIEGO, CA 92124-1324  
858.814.5000 • FAX 858.814.5001

**SANTA ANA WATERSHED PROJECT AUTHORITY**  
11615 STERLING AVENUE • RIVERSIDE, CA 92503  
(951) 354-4220 • [www.sawpa.org](http://www.sawpa.org)

SITE CLEARING - REPAIRS TO UNLINED RCP, REACH IV-A LOWER  
REACH IV-A LOWER  
STATION 126+00 TO STATION 166+89 - END PROJECT

DATE	NO.	DESCRIPTION

WARNING  
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

ADDENDUM NO. 1

TO THE CONTRACT DOCUMENTS FOR  
SITE CLEARING – SANTA ANA REGIONAL INTERCEPTOR (SARI)  
REPAIRS TO UNLINED REINFORCED CONCRETE PIPE (RCP), REACH IV-A  
FOR  
SANTA ANA WATERSHED PROJECT AUTHORITY

A. PRE-BID CONFERENCE

1. Meeting notes from the mandatory pre-bid conference and site visit held on August 19, 2010 are attached.
2. Having fulfilled the requirement of attending the mandatory pre-bid conference and site visit on Thursday, August 19, 2010 for the above-referenced project, the following are the only firms that are eligible to submit a bid on September 9, 2010 by 10:00 a.m.:

- A&A
- Caliagua Inc.
- Cass Construction
- Cedars Engineering
- Coastal Grading
- Colich & Sons
- Daghlian Grading, Inc.
- Downing Construction, Inc.
- G. M. Sager Construction
- Genesis Construction
- Hawthorne Contracting Co., Inc.
- Jeremy Harris Construction
- Mike Pritch and Sons, Inc.
- Nature's Image, Inc.
- Phillips & Jordan, Inc.
- United Pumping Service

The Contract Documents for the above referenced project are hereby amended in the following manner and in the following manner only:

B. SPECIFICATIONS

1. Reference is made to the Specifications, Bid Form, Section 9 Base Bid:

DELETE page 1-12 and REPLACE with (revised) page 1-12 attached to this addendum.

Please annotate, to Bid Form Item 6 ADDENDA, that you have received Addenda.

DATED: August 26, 2010

BY: David P. Ruhl  
David P. Ruhl, P.E.  
SAWPA Program Manager



BY: John H. Harris  
John Harris, V.P.  
RBF Consulting

Item	Description	Quantity	Unit	Unit Price	Extended Total Amount
1.	Mobilization and Demobilization (not to exceed 2% of the Total Base Bid)	1	LS	\$	\$
2.	Clear and Grub Work Areas	200,000	SF	\$	\$
3.	Clear and Grub Access Road	150,000	SF	\$	\$
4.	Tree and Stump Removal	60	EA	\$	\$
5.	Rain Event De-Mobilization (Evacuation)	1	EA	\$	\$
6.	Scarify/Remedial Grading of Work Areas	200,000	SF	\$	\$
7.	Scarify/Remedial Grading of 20' Wide Access Road	150,000	SF	\$	\$
8.	Construction Photography	1	LS	\$	\$
9.	Marker Poles	200	EA	\$	\$
TOTAL OF EXTENDED AMOUNT FOR BASE BID					\$

9.2. Base Bid Summary

9.2.1. Total of Extended Amount for Base Bid \$ \_\_\_\_\_

9.2.2. Total Adjustment (add or delete) \$ \_\_\_\_\_

(Identify Bid Item(s) impacted by adjustment) Item Nos. \_\_\_\_\_

TOTAL BASE BID \$ \_\_\_\_\_

TOTAL BASE BID (in words) \_\_\_\_\_

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9.3. Base Bid Deduct if Awarded Site Clearing – Reach IV-B

9.3.1. Bidder further proposes to deduct the following amount from the Total Base Bid described in Section 9.2 above if the work under Site Clearing – Reach IV-B and Site Clearing – Reach IV-A (Lower) are awarded under one contract and the work is performed simultaneously.

9.3.2 Total Deduct \$ \_\_\_\_\_

ADJUSTED TOTAL BASE BID \$ \_\_\_\_\_

ADJUSTED TOTAL BASE BID (in words) \_\_\_\_\_

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**MANDATORY PRE-BID CONFERENCE AND SITE VISIT**  
**Site Clearing – Repairs To Unlined RCP, Reach IV-A (Lower)**  
**and**  
**Site Clearing – Repairs to Unlined RCP, Reach IV-B**

August 19, 2010

**Attendees**

Roy Lashen  
Gabriel Hernandez  
Debbie Santiago  
Nick Dominguez  
Dan Slinger  
Luis Macias  
Michael Ginovett  
Carlos Alvarez  
Jonathan Rathmann  
Tony Carrasco  
Polo Urena  
Randy Downing  
Vido Artukovich  
Josh Rodriquez  
Larry Boyer  
Joseph Honeygood  
Brad Sorem  
Jeremy Harris  
John Farag  
Mike Daghlian  
Howard Liddle  
Gary Hawthorne  
Jim Beck  
Mike Mapstead  
Joe Bador  
John Harris  
David Ruhl  
Carlos Quintero  
Regina Patterson

**Representing**

A&A\*  
P&J Inc. (Phillips & Jordan)\*  
Coastal Grading\*  
Genesis Construction\*  
Natures Image, Inc.\*  
Ampco Contracting  
Cedars Engineering\*  
G. M. Sager Construction\*  
Mike Prlich and Sons, Inc.\*  
United Pumping Service\*  
Caliagua Inc.\*  
Downing Construction, Inc.\*  
Vido Artukovich & Son  
Zusser Co.  
Atom Inc.  
Los Angeles Engineering  
Mike Bubalo Construction  
Jeremy Harris Construction (JHC)\*  
Minco Construction  
Daghlian Grading, Inc.\*  
Colich & Sons\*  
Hawthorne Contracting Co., Inc.\*  
Beckco, Inc.  
Cass Construction\*  
Bador Construction  
RBF Consulting  
Santa Ana Watershed Project Authority  
Santa Ana Watershed Project Authority  
Santa Ana Watershed Project Authority

\*Attended Mandatory Pre-Bid Meeting and Site Visit

**Introductions**

The Pre-Bid Conference Site Clearing for Repairs to Unlined RCP, Reaches IV-A and IV-B Projects commenced at 10:04 a.m. Introductions were made including introducing John Harris of RBF Consulting who will be providing inspection and construction management services for the projects.

**Background**

SAWPA Program Manager David Ruhl stated it is critical to attend the site visit directly following this Pre-Bid meeting because this is only opportunity that will be available to visit the sites due to the locations being Federal lands with restricted access.

He provided background of the Santa Ana Watershed Project Authority (SAWPA) and the Santa Ana Regional Interceptor (SARI) or Brine Line stating SAWPA is responsible for maintaining the water quality within our service area, the Santa Ana Watershed. The purpose of the brine line is for brine disposal and to work towards salt balance in the watershed. Current flow is 12 mgd with an ultimate capacity of approximately 30 mgd.

These jobs will cover approximately 6 miles of the 73 miles of SARI pipeline. He described the major types of dischargers and the benefits and impacts of the projects.

Mr. Ruhl said that anyone interested in submitting a bid on either or both projects should purchase the bid documents from SAWPA or download them at [www.sawpa.org](http://www.sawpa.org) if they have not already done so. He also stated that everyone needed to register with SAWPA by calling (951) 354-4246 to be considered a bidder, and so that they are on the list to receive any addenda that may be distributed. It is critical that this process be followed to eliminate the possibility of having to disqualify bids for being non-responsive.

### **Descriptions of Work**

Mr. Ruhl displayed a map of the project work areas showing the clear work areas and a photo of an example of a temporary bridge necessary for the stream channel crossings on Reach IV-B. The project is located within the Prado Basin flood plain. If flooding occurred the job site would be inundated so the site would have to be evacuated until the waters recede and the area dries out.

### **Examination of Contract Documents and Site**

Mr. Ruhl stated the construction drawings are included with the specifications. He recommended becoming familiar with the drawings and specifications and indicated the site visit will help.

### **Base Bid, Base Bid Deduct**

If submitting bids for both projects, IV-A and IV-B, you must submit two separate bids. The bidder will use the bid summary form which has a line for the base bid and a base bid deduct. If you are bidding on both projects, you have the opportunity to enter a deduct amount if you are awarded both projects. That would have to be included on both IV-A and IV-B projects.

### **Bid Form and Attachments**

A bid form and attachment checklist has been included to assist the bidder in completing forms correctly. Mr. Ruhl briefly outlined the bid requirements which included the California prevailing wage rates, bid bond (10% of the amount bid in the form of a cashier's check, check or bid bond), contract times and liquidated damages (Section 3 of the Agreement) and license requirements (Class A, general contractor's license is required).

Questions are to be submitted by facsimile (951) 785-7076 or email to David Ruhl ([druhl@sawpa.org](mailto:druhl@sawpa.org)) by 5:00 p.m. on September 3, 2010.

Bids will be received until 10:00 a.m. on September 9, 2010. He reiterated that two separate bids must be submitted if bidding on both projects. Bids will remain valid for 90 days from the bid opening date.

Commission approval of the lowest responsive, responsible bidder is anticipated on September 21, 2010, with the Notice of Award being issued and work getting started upon completion of all paperwork.

The project is being expedited due to environmental concerns for breeding season of the least Bell's vireo, an endangered species. Their breeding period is March 15<sup>th</sup> through September 25<sup>th</sup>, limiting construction access. If there are storms and the need to demobilize comes, we have until March 15, 2011 to complete the work.

### **Questions**

*Question:* Will there be liquidated damages if there is significant flooding?

*Response:* The contractor may request a time extension due to delays caused by flooding.

*Question:* Is the determination for award only based on lowest bid?

*Response:* It will be based on the lowest, qualified, responsive bid. We have the discretion to either award to one contractor for both, or to a contractor for each project. If a contractor is awarded both projects, it is expected that both projects will be done at the same time not back to back. He emphasized that bidders know they have the ability to do two projects at the same time.

*Question:* Engineer's estimates?

*Response:* Reach IV-A is \$361,000 and Reach IV-B is \$341,375.

Mr. Ruhl further stated that because this is an environmentally sensitive area, as part of the permitting, SAWPA will provide a biologist on site. Coordination between the biologist and the contractor will be necessary each morning prior to work beginning. There will be no clearing beyond the limits of what's been designated.

*Question:* Corps permitting?

*Response:* SAWPA is handling permits with the Corps. Any special consideration will be identified in the contract documents. During forecasted wet weather conditions, the contractor shall notify the Corps that personnel will be working within the basin. The contractor shall obtain the expected reservoir level from the Corps.

Mr. Ruhl recommended the contractor consider starting at the lowest levels and working their way up.

Meeting notes will be sent by email and posted to the web site.

### **Site Visit**

Mr. Ruhl stated the pre-bid conference would continue from this point on the site visit along with a conference call. Call-in instructions were provided on the map attached to the Agenda.

He reviewed the site areas by referencing the plans.

The pre-bid conference recessed to the site visit at 10:47 a.m. and reconvened at 11:00 a.m.

### **Questions (during site visits)**

*Question:* What to do with the trees once they are cut?

*Response:* Tree trunks, stumps, branches and all other vegetative materials shall be mulched and deposited uniformly beyond the limits to be cleared.

*Question:* Is there a limit on wood chip pile size?

*Response:* Chip and mulch debris shall be uniformly sprayed from a mechanical chipper beyond the clearing limits. Concentrated mulch piles dumped in place and/or continuous mulch pile windrows along the access road will not be allowed. Accumulated mulch piles shall not exceed 12 inches in height at any location. At the Contractor's option, mulch debris may be removed from the project site and disposed of at an Owner approved recycling facility.

*Question:* Can the sites be visited again?

*Response:* The Pre-bid meeting and site visit is the only site visit allowed prior to the bid opening.

*Question:* How many stream crossings will the contractor encounter?

*Response:* Six (6) locations.

*Question:* Will the areas proposed for clearing be identified?

*Response:* Owner's surveyor will flag the limits of the access areas and the limits of the 20 foot access road, which may be widened entirely on one side of the road or on both sides depending on the presence of trees and other obstructions. In certain areas, a new 20-foot wide road alignment may be established to avoid trees and/or slopes.

The pre-bid conference and site visit ended at 1:30 p.m.