



CITY OF GRIDLEY

BUTTE COUNTY, CALIFORNIA

INFORMAL BID DOCUMENTS

FOR

Manuel Vierra Park - Tennis Court Rehabilitation

Prepared by
City of Gridley, California

March 2022

CITY OF GRIDLEY

Manuel Vierra Park – Tennis Court Rehabilitation

The Contract Documents have been prepared by me or under my direction for the City of Gridley.



David P. Harden, PE 84216

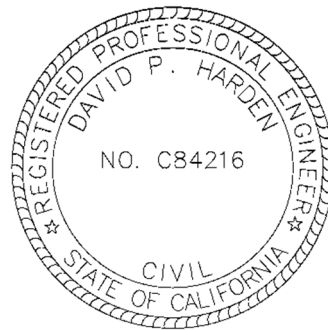


TABLE OF CONTENTS

Section	Title
NTB	Notice to Bidders
ITB	Instructions to Bidders
BIL	Bid Items List
P	Proposal
PCC	Public Contract Code
LSC	List of Subcontractors
FC	Form of Contract
GC	General Conditions
SC	Special Conditions
01200	Measurement and Payment
01300	Submittals
02100	Demolition, Clearing, Grubbing, and Stripping
02510	Paving and Road Surfacing
02790	Tennis Court Surface Color Coating System
16200	Electrical Equipment
17200	Exterior Court Athletic Equipment
Appendix A	Arborist Report
Appendix B	Federal Wage Determinations

NOTICE TO BIDDERS

NOTICE INVITING BIDS: Sealed proposals will be received at the City Hall of the City of Gridley, 685 Kentucky St., Gridley, California, 95948 until 1:00 p.m., April 12, 2022. At that time, all bids will be publicly opened, examined and declared for construction of:

CITY OF GRIDLEY

Manuel Vierra Park – Tennis Court Rehabilitation

The work shall consist of the following: Sawcut and Removal of the Existing Tennis Court pavement and recreational equipment, Fine grading, Paving the Tennis Courts, Furnishing and installing recreational equipment, and Painting and striping the Tennis Courts at Manuel Vierra Park in the City of Gridley.

The City of Gridley will issue a Notice to Proceed within fifteen (15) calendar days after the opening of Proposals. Work shall be completed within ninety (90) calendar days after issuance of the Notice to Proceed by the City.

The contractor is to carefully examine the site of the proposed work and is to make his or her own determination of the scope of the work to be performed, and he or she is to carefully examine all of the Contract Documents.

BID SUBMITTAL REQUIREMENTS: No proposal will be accepted unless it is made on a Proposal forms furnished by the City of Gridley within these Specifications. **To ensure consideration, the Proposal must be enclosed in a sealed envelope, clearly marked BID PROPOSAL which also bears the name of the project and the date and time set for opening of Proposals:**

BID PROPOSAL

City of Gridley

Manuel Vierra Park – Tennis Court Rehabilitation

April 12, 2022 1:00 pm

No Proposal will be accepted from a contractor who is not currently licensed in accordance with the provisions of Chapter 9, Division III of the Business and Professions Code. Subcontractors shall also be licensed as required by said code.

Contractor shall obtain a Business License from the City of Gridley prior to commencing any work within the City Limits of the City of Gridley.

Please direct any project questions to Dave Harden, at dharden@ben-en.com **no later than 7 calendar days before bid opening.**

PREVAILING WAGES: Pursuant to Section 1770, and following, of the California Labor Code, the successful bidder shall pay not less than the applicable prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations. The successful bidder shall post a copy of such determination at the job site.

The Director of Industrial Relations has determined the general prevailing rate of per diem wages in

NOTICE TO BIDDERS

the locality in which this work is to be performed for each craft or type of worker needed to execute the Contract which will be awarded to the successful bidder, copies of which are on file and will be made available to any interested party online at <http://www.dir.ca.gov/dlsr>. A copy of these rates shall be posted by the successful bidder at the job site. The successful bidder and all subcontractor(s) under him, shall comply with all applicable Labor Code provisions, which include, but are not limited to the payment of not less than the required prevailing rates to all workers employed by them in the execution of the Contract, the employment of apprentices, the hours of labor and the debarment of contractors and subcontractors.

Pursuant to Labor Code sections 1725.5 and 1771.1, all contractors and subcontractors that wish to bid on, be listed in a bid proposal, or enter into a contract to perform public work must be registered with the Department of Industrial Relations. No bid will be accepted, nor any contract entered into without proof of the contractor's and subcontractors' current registration with the Department of Industrial Relations to perform public work. If awarded a Contract, the Bidder and its subcontractors, of any tier, shall maintain active registration with the Department of Industrial Relations for the duration of the Project.

This Project will be subject to compliance monitoring and enforcement by the Department of Industrial Relations. In bidding on this project, it shall be the Bidder's sole responsibility to evaluate and include the cost of complying with all labor compliance requirements under this contract and applicable law in its bid.

Each bidder shall be a licensed contractor pursuant to the Business and Professions Code and shall be licensed in the following appropriate classification(s) of contractor's license(s), for the work bid upon, and must maintain the license(s) throughout the duration of the Contract: Class A license or a combination of license classes required for all work at the time this contract is awarded.

This Project is subject to labor compliance oversight by the Department of Industrial Relations, Division of Labor Standards Enforcement, Compliance Monitoring Unit (CMU). The successful bidder must comply with the CMU requirements under subchapter 4.5 of chapter 8 of title 8 of the California Code of Regulations. In bidding on this project, it shall be the bidder's sole responsibility to evaluate and include the cost of complying with all labor compliance requirements under this contract and applicable law in its bid.

APPRENTICESHIP STANDARDS: In accordance with the provisions of Part 7, Chapter 1, Article 2, Section 1777.5 of the Labor Code of the State of California, the prime contractor shall be responsible for fully complying with the provisions of this Section, as well as any regulations adopted by the Director of Industrial Relations, for all apprentice crafts or trades, and shall also assure compliance by his or her sub-contractors with respect to such apprentice crafts or trades.

BIDDER'S INFORMATION: Informal Bid Documents, including Plans and Specifications, are available for inspection and may be obtained at the City Hall of the City of Gridley, 685 Kentucky St., Gridley, California. There is no charge for the viewing of Informal Bid Documents.

NOTICE TO PROCEED: A Notice to Proceed, if issued, will be issued to the lowest responsible bidder as determined by the City. The City reserves the right, in its sole discretion, to reject any and all bids for any reason whatsoever, or to waive minor irregularities in any bid, and to accept any bid.

NOTICE TO BIDDERS

INSURANCE AND BONDS REQUIRED: The successful bidder to whom the Contract is awarded will be required to furnish appropriate insurance certificates as required by the General Conditions and the Special Conditions. He or she shall also furnish a Payment Bond in an amount equal to one hundred percent (100%) of the total Contract amount and a Faithful Performance Bond in the amount equal to one hundred percent (100%) of the total Contract amount, with a corporate surety approved by the City of Gridley.

PAYMENT OF RETENTION AND SUBSTITUTION OF SECURITIES: Five percent (5%) will be withheld from each progress payment made to the Contractor for work performed and will be held until completion of the work, its acceptance and the expiration of the period provided by law for filing of liens by laborers or materialmen. In accordance with the provisions of Public Contract Code Section 22300, securities may be substituted for any monies which the City may withhold pursuant to the terms of the Contract to insure performance.

INSTRUCTION TO BIDDERS

A. INTRODUCTION

Each Proposal shall be in accordance with the Informal Bid Documents prepared by the **City of Gridley, 685 Kentucky Street, Gridley, CA 95948**. Informal Bid Documents are available as specified in the Notice to Bidders.

B. DEFINITION OF TERMS

1. **INFORMAL BID DOCUMENTS:** The Informal Bid Documents consist of the Notice to Contractors, Instructions to Bidders, Proposal, General Conditions, Special Conditions, Technical Specifications, Plans, and any Addenda.
2. **CONTRACT:** If the Owner accepts an informal bid, the contract will be executed and a Notice to Proceed will be issued.
3. **OWNER, CONTRACTOR AND ENGINEER:** The Owner, the Contractor and the Engineer are those mentioned as such in the Special Conditions. They are treated throughout the Informal Bid Documents as if each were of the singular number and the masculine gender.
4. **BIDDER:** Any individual, firm, partnership, or corporation submitting a Proposal for the work contemplated, acting directly or through a duly authorized representative.
5. **PROPOSAL:** The offer of a Bidder for the work when made out and submitted on the prescribed Proposal form, properly signed and guaranteed.
6. **PROPOSAL GUARANTEE:** No proposal guarantee will be required for this project.
7. **START OF CALENDAR DAYS FOR CONSTRUCTION:** The date on which the Owner issues a Notice to Proceed.
8. **DAYS:** Unless otherwise specifically stated, the term "days" will be understood to mean calendar days.
9. **WORK:** The term "work" means all the work specified, indicated, shown or contemplated in the Informal Bid Documents, including all alterations, amendments or extensions thereto made by Change Order or other written orders by the City.
10. **SPECIFICATIONS:** The term "specifications" refers to the terms, provisions and requirements contained herein and referred to as General Conditions, Special Conditions and Technical Specifications. Where Standard Specifications such as those of ASTM, AASHTO, etc., have been referred to, the applicable portions of such Standard Specifications shall become a part of these Informal Bid Documents.
11. **PLANS:** The term "Plans" refers to the official Plans, profiles, cross sections, elevations, details and other working drawings and supplementary drawings, or reproductions thereof, signed by the Engineer, which show the location, character, dimensions, and details of the work to be performed. Plans may either be bound in the same book as the balance of the Informal Bid Documents or bound in separate sets and are a part of the Informal Bid Documents regardless of the method of binding.

C. PREPARATION AND SUBMISSION OF PROPOSALS

Proposals must be submitted on the forms bound in the Informal Bid Documents and must be wet signed by the Bidder or his authorized representative. Any corrections to the entries made on the Proposal forms must be initialed by the person signing the Proposal.

Bidders must bid on all items appearing on the Proposal form, unless specific directions allow for partial bids. If bids on all items are not required, Bidders shall insert the words "No Bid" where appropriate. Alternate bids will not be considered unless specifically called for in the Proposal.

Proposals or modifications shall be submitted to the city by the date and time specified by hardcopy. No electronic or fax submittals will be accepted. Modifications to Proposals already submitted will be allowed if received in writing prior to the time fixed in the Notice to Contractors for opening of Proposals. Modifications shall be submitted as such and shall not reveal the total amount of either the original or revised. The sealed envelope containing the Proposal shall be directed to and filed at

**Cliff Wagner
City of Gridley
685 Kentucky Street
Gridley, CA 95948**

Proposals received after the time indicated will be returned unopened.

D. WITHDRAWAL OF PROPOSALS

Any bidder may withdraw his Proposal, either personally or by facsimile or written request at any time prior to the scheduled closing time for receipt of bids. Negligence on the part of the bidder in preparing his bid shall not constitute a right to withdraw his bid subsequent to the bid opening.

E. PROPOSAL GUARANTEE

NO PROPOSAL GUARANTEE WILL BE REQUIRED FOR THIS PROJECT.

F. ADDENDA AND EXPLANATIONS TO BIDDERS

Any request for explanation or interpretation of the Informal Bid Documents must be made in writing at least seven (7) calendar days before the time set for opening of Proposals. Any explanation or interpretation will be made in the form of Addenda to the Informal Bid Documents and shall be furnished to all Bidders. Bidders shall submit signed copies of all Addenda with their Proposals. Oral explanations and interpretations will not be binding.

G. DISCREPANCIES

In case of discrepancies between unit prices and totals, unit prices will prevail. In case of discrepancy between words and figures, words will prevail.

INSTRUCTION TO BIDDERS

H. ACCEPTANCE OR REJECTION OF PROPOSALS

The Owner reserves the right to reject any or all Proposals and to waive any informality in any Proposal.

The issuance of a Notice to Proceed will be for the Proposal that complies with the requirements of the Informal Bid Documents within fifteen (15) calendar days after the opening of Proposals. It is expected the contractor will be able to procure the required insurance certificates quickly.

F. BONDS

No Bid Bond is required for this Project. A Payment Bond and Performance Bond are required equal to one hundred percent (100%) of the bid amount to be submitted after receipt of the Notice To Proceed and prior to commencement of work. The City reserves the right to waive either of these requirements.

G. BID SUBMITTAL DOCUMENT LIST

Contractor shall be responsible for reading the construction documents (Specifications and Drawings), and for a site condition review. Contractor shall fill out completely, sign and date the entire list of forms and shall include them with the submitted bid.

Item	Title	Pages
1	Proposal	P-1,P-2
2	List of Subcontractors	LSC-1
3	Public Contract Code (Sec. 10285.1, 10162, 10232, Non-collusion Affidavit -7106, Debarment and Suspension Certification, Certification of Labor Code Sec. 1861, Equal Employment Opportunity Certification	PCC-1,PCC-2,PCC-3, PCC-4, PCC-5
4	All Addenda (if applicable)	
5	Copies of all required Certifications, References, and Proof of Knowledge and Ability to Perform, for all of the work herein prescribed.	

Bid Proposal shall be submitted in a sealed envelope, clearly marked "BID PROPOSAL" and shall also bear the name of the project and date and time set for opening of Bid, refer to Notice to Bidders page NTB-1 and NTB-2.

Note: It is not necessary to submit the entire set of specifications, only the ones listed above. Please keep the remainder of set for your information.

BID ITEM LIST

**CITY OF GRIDLEY
MANUEL VIERRA PARK - TENNIS COURT REHABILITATION**

BASE BID #1			
This work shall consist of the following: Mobilization and Demobilization, sawcut and removal of the existing tennis court pavement and recreational equipment, fine grading, paving the tennis courts, furnishing and installing recreational equipment, and painting and striping the tennis courts at Manuel Vierra Park in the City of Gridley, and all other work as shown on the Plans and Specifications for a complete and total job.			
<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>
1	Mobilization and Demobilization	LS	1
2	Water Pollution Control Plan	LS	1
3	Demolition, Clearing & Grubbing	LS	1
4	Recreational Equipment	LS	1
5	Replace Existing Electrical Panel and Lighting Timer	LS	1
6	Regrade Existing Subgrade/Surface Pavement	SY	1,500
7	3-inch HMA	TON	250
8	Court Paint	SF	13,100
9	2-inch White Striping	LF	1,110
10	Benches	EA	4

It is the intent to provide all labor materials and equipment necessary for complete construction of the new pipeline and its connection to the existing sewer system.

PROPOSAL

TO: CITY OF GRIDLEY

The undersigned declares that he has carefully examined the location of the proposed work and that he has examined the Informal Bid Documents entitled:

CITY OF GRIDLEY MANUEL VIERRA PARK - TENNIS COURT REHABILITATION

He proposes to furnish all labor, materials, tools, and equipment and to perform all the work necessary to construct the improvements complete in place in accordance with the Informal Bid Documents, plans and specifications and that he will take in full payment therefor the following prices, to wit:

BASE BID #1					
<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1	Mobilization and Demobilization	LS	1	\$.	\$.
2	Water Pollution Control Plan	LS	1	\$.	\$.
3	Demolition, Clearing & Grubbing	LS	1	\$.	\$.
4	Recreational Equipment	LS	1	\$.	\$.
5	Replace Existing Electrical Panel and Lighting Timer	LS	1	\$.	\$.
6	Regrade Existing Subgrade/Surface Pavement	SY	1,500	\$.	\$.
7	3-inch HMA	TON	250	\$.	\$.
8	Court Paint	SF	13,100	\$.	\$.
9	2-inch White Striping	LF	1,110	\$.	\$.
10	Benches	EA	4	\$.	\$.
TOTAL BID AMOUNT			\$.		

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

PROPOSAL

The undersigned further declares that he is a licensed Contractor in the State of California, and that the license which he holds is of the class required to perform the specified work.

Contractor's License Number: _____

Signature of Bidder: _____

Bidder's Name: _____

Business Address: _____

Bidder's Telephone: _____

Dated: _____

Note: *If Bidder is a corporation, the legal name of the corporation shall be set forth above, together with the signature of the officer or officers authorized to sign Contracts on behalf of the corporation. If Bidder is a co-partnership, the true name of the firm shall be set forth above, together with the signature of the partners authorized to sign Contracts in behalf of the co-partnership; and if Bidder is an individual, his signature shall be placed above. If signature is by an agent, other than an officer of a corporation or a member of a partnership, a Power of Attorney must be on file with the Owner prior to opening of Proposals or submitted with the Proposal; otherwise, the Proposal will be disregarded as irregular and unauthorized.*

Public Contract Code Section 10285.1 Statement

In conformance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder has _____, has not _____ been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "Bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1

NOTE: The bidder must place a check mark after "has" or "has not" in one of the blank spaces provided. The above Statement is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

Public Contract Code Section 10162 Questionnaire

In conformance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes _____ No _____

If the answer is yes, explain the circumstances in the following space.

Note: The above Statement and Questionnaire are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement and Questionnaire. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

Public Contract Code 10232 Statement

In conformance with Public Contract Code Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding of contempt of court by a Federal court has been issued against the Contractor within the immediately preceding two year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

Note: The above Statement and Questionnaire are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement and Questionnaire.

Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

Non-collusion Affidavit

(Title 23 United States Code Section 112 and
Public Contract Code Section 7106)

To the CITY of GRIDLEY

In accordance with Title 23 United States Code Section 112 and Public Contract Code 7106, the bidder declares under penalty of perjury that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Note: The above Non-collusion Affidavit is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Non-collusion Affidavit. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

DEBARMENT AND SUSPENSION CERTIFICATION

TITLE 49, CODE OF FEDERAL REGULATIONS, PART 29

The bidder, under penalty of perjury, certifies that, except as noted below, he/she or any person associated therewith in the capacity of owner, partner, director, officer, manager:

- is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by a federal agency within the past 3 years;
- does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

Exception will not necessarily result in denial of award but will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Notes: Providing false information may result in criminal prosecution or administrative sanctions. The above certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.

CERTIFICATION
[CALIFORNIA LABOR CODE SECTION: 1861]

STATE OF CALIFORNIA)
) ss
COUNTY OF BUTTE)

I, the undersigned, do hereby certify:

That I am aware of the provision of Section 3700 of the Labor Code of the State of California, which requires every employer to be insured against liability for Workers Compensation or to undertake self-insurance in accordance with the provisions of that section, and I will comply with such provision before commencing the performance of the work of this Contract.

Executed at _____

on the _____ day of _____ 20 _____

I certify under penalty of perjury that the foregoing is true and correct.

Signature of Contractor-Employer

Print name signed above

Title

Company Name

EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

(THE BIDDER'S EXECUTION OF THE SIGNATURE PORTION OF THIS PROPOSAL SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE CERTIFICATIONS WHICH ARE A PART OF THIS PROPOSAL)

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

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.07(b)(1) and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt).

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

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

LIST OF SUBCONTRACTORS

Each Bidder shall list below the Name and Business Address of each Subcontractor who will perform work under this Contract in excess of one-half of one percent of the total amount shown in the Proposal and shall also list the portion of the work which will be done by said Subcontractor.

PORTION OF WORK

SUBCONTRACTOR'S NAME AND ADDRESS

1. _____

2. _____

3. _____

4. _____

5. _____

NOTES:

1. Contractor shall attach additional copies as needed.

FORM OF CONTRACT

THIS AGREEMENT, made and entered into on the date below written, by and between, **CITY OF GRIDLEY, CALIFORNIA, A MUNICIPAL CORPORATION**,

685 Kentucky Street, Gridley, California, 95948, hereinafter called the **"OWNER"** or **"CITY"**,

and _____,

hereinafter called the **"CONTRACTOR"** or **"PRINCIPAL"**.

WITNESSETH, that, for the considerations hereinafter mentioned, the Owner and Contractor agree as follows:

ARTICLE I. The Contractor agrees to furnish all labor, materials, tools, and equipment and to perform all the work required to construct and complete in a good and workmanlike manner, and in strict accordance with the Contract Documents entitled:

CONTRACT DOCUMENTS FOR MANUEL VIERRA PARK - TENNIS COURT REHABILITATION

The Contract Documents have been prepared by the **City of Gridley** and are hereby incorporated in and made a part of this Contract.

ARTICLE II. The Owner agrees to pay the Contractor for the performance of the Contract, subject to additions and deductions provided therein, the following prices, and the Contractor agrees to receive and accept said following prices as full compensation for furnishing all materials and for doing all the work contemplated and embraced in this agreement, and for all loss or damage arising out of the nature of the aforesaid work or from the action of the elements and from any unforeseen difficulties or obstructions which may arise or be encountered in the prosecution of the work until its acceptance by the Owner, and for all risks of every description connected with the work, and for all expenses incurred by or in consequence of the suspension or discontinuance of the work, and for well and faithfully completing the work and the whole thereof in the manner and according to the Contract Documents and the requirements of the City under it, to wit:

As shown on the Bid attached hereto and incorporated herein.

ARTICLE III. The Owner shall make payments on the account of the Contractor as specified in the General Conditions.

ARTICLE IV. The Contractor shall commence work within seven (7) calendar days from receipt of the Notice to Proceed and shall diligently prosecute the same to completion within ninety (90) calendar days from receipt of the Notice to Proceed.

FORM OF CONTRACT

ARTICLE V. The Contractor shall guarantee all of his work against defective material or faulty workmanship for a period of one (1) year after the date of acceptance of the work by the Owner or as otherwise stated in the specifications.

The Contractor shall repair or replace to the satisfaction of the City any or all such work that may prove defective in workmanship or materials within that period, ordinary wear and tear and unusual abuse or neglect excepted, together with any other work which may be damaged or displaced in so doing.

In the event of failure to comply with the above mentioned conditions within a reasonable time after being notified in writing, the Owner is authorized to have the defects repaired and made good at the expense of the Contractor who will pay the cost and charges therefore immediately upon demand.

The signing of the Contract by the Contractor shall constitute execution of the above guarantees.

ARTICLE VI. The Contractor specifically obligates himself and hereby agrees to protect, hold free and harmless, defend and indemnify the Owner, the City and his consultants, and each of their officers, employees and agents, from any and all liability, penalties, costs, losses, damages, expenses, causes of actions, claims or judgments, including attorney's fees, which arise out of or are in any way connected with the Contractor's performance of his work under this Contract. To the extent legally permissible, this indemnity and hold harmless agreement by the Contractor shall apply to any acts or omissions, whether active or passive, on the part of the Contractor or his agents, employees, representatives, or subcontractors, or his subcontractor's agents, employees and representatives, resulting in liability irrespective of whether or not any acts or omissions of the parties to be indemnified hereunder may have also been a contributing factor to the liability.

As a further precaution toward this end, the Contractor shall procure and maintain, in full force and effect during the performance of the work contemplated hereunder, insurance in his favor and also in favor of the Owner, with an insurance carrier approved by the Owner, as specified in the General Conditions and in the Special Conditions.

ARTICLE VII. Contractor acknowledges that State Labor Law requires the payment of prevailing wages and the maintenance of certain payroll records and other requirements as specified in the General Conditions and the Labor Code. Contractor agrees that these requirements shall be incorporated into all of his or her subcontracts.

ARTICLE VIII. Neither party of the Contract shall assign the Contract or sublet it as a whole without the written consent of the other, nor shall the Contractor assign any monies due, or to

FORM OF CONTRACT

become due to him hereunder, nor utilize any subcontractors, other than those set forth in the List of Subcontractors, without the previous written consent of the Owner.

ARTICLE IX. Contractor is an independent contractor in the performance of this contract and is not an employee or agent of the Owner. The Owner has no direct obligation to any officers, agents, employees or subcontractors of the Contractor and such individuals shall not be entitled to claim direct payment of salaries nor seek employment benefits from the Owner.

ARTICLE X. Contractor warrants that he is duly and properly licensed to perform and provide the services contemplated by this Contract. Contractor shall possess all required licenses, including a local business license and shall require subcontractors and suppliers to be similarly licensed with regard to performance under this Contract.

ARTICLE XI. The Contractor shall maintain records relating to his performance of this Contract which shall be available for audit and/or inspection for a period of three (3) years after Contractor completes performance of the Contract or the Contract is otherwise terminated.

ARTICLE XII. Any Notices given pursuant to this Contract must be in writing and given either by personal delivery or by United States Mail, postage prepaid, addressed as follows:

OWNER:

City of Gridley
Attn: Cliff Wagner
City Administrator
685 Kentucky Street
Gridley, CA 95948

CONTRACTOR:

Company Name

Attn/Title

Address

City/State/Zip

ARTICLE XIII. The Owner may terminate this Contract, without cause, upon giving of five (5) days written notice to Contractor. In the event of termination without cause, Contractor shall be compensated for services performed and materials furnished on an equitable basis through the date of termination.

ARTICLE XIV. California Law governs the interpretation and enforcement of this Contract.

FORM OF CONTRACT

ARTICLE XV. This Contract embodies the entire agreement between the parties. There are no oral agreements. No amendment to this Contract shall be valid unless in writing, executed by both parties to this Contract. The language of this Contract governs against any conflicting language or terms contained in any attachment, exhibit or scope of work.

ARTICLE XVI. Neither the acceptance of work nor payment for that work shall constitute a waiver of any provisions of this Contract. A waiver of any breach shall not constitute a waiver of any other provision or subsequent breach.

IN WITNESS WHEREOF, the parties to these presents have hereunto set their hands on the date below written.

CITY OF GRIDLEY

Date

Cliff Wagner
City Administrator
City of Gridley

Attorney
City of Gridley

CONTRACTOR

Date

Principal

Signature

Print or type name signed above

Title

FORM OF CONTRACT

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

THAT WHEREAS, The City Council of the City of Gridley, State of California, 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 _____, 2022, and identified as project

MANUEL VIERRA PARK - TENNIS COURT REHABILITATION,

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 City of Gridley (hereinafter called "**CITY**"), in the penal sum of _____ dollars

(\$ _____) (which amount is not less than one hundred percent (100%) of the Contract price) 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 presents.

The condition of this obligation is such that if the above bounded 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 at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify and save harmless, its officers, agents and employees, as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

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

FORM OF CONTRACT

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 specifications accompanying the same shall in anywise 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.

The surety's obligations to the City arise immediately upon the default of the principal, without demand or notice.

In the event the principal defaults in the performance of its obligations, the surety may elect, either directly or through appropriate contractors to perform in the place of the principal. If the surety elects to proceed in this fashion, it shall provide written notice of such election to the City within thirty (30) days after surety becomes aware of the principal's default. If the surety elects to complete the obligations of the principal (as opposed to paying money damages to the City occasioned by such breach) the surety shall cause the obligations of the principal to be performed as soon as is reasonably possible, but in no event later than nine (9) months following knowledge of the breach by the principal. In the event the surety elects to perform the principal's obligations, the City shall be entitled to compel the surety, by way of specific performance, to perform such obligations.

If the surety does not elect to perform the principal's obligations, the surety shall deposit with the City a sum equal to the cost of the uncompleted portion of the work which comprises the principal's obligation. The City shall determine the estimated cost of the uncompleted portion of the work and the surety shall make such deposit with the City within five (5) days of receipt of the City's estimate. The City shall not be required to expend any of its own funds to complete the work nor to incur "out-of-pocket" damages inasmuch as the City's damages are measured by the value of its unfulfilled right, namely the cost of completing the obligations of the principal by installing the bargained-for improvements. Upon deposit of the estimated cost of completion with the City, the City may proceed to bid the remainder of the work as a public project pursuant to the Public Contracts Code and the surety shall be obligated to continue to deposit such additional sums as may be necessary from time-to-time until the improvements are complete and accepted by the City or until the surety has exhausted the penal sum of the bond. Should the surety deposit more funds than are necessary to satisfy the principal's obligation, then the City shall refund any balance remaining upon final acceptance of the improvements. No interest shall be paid on any deposits made with the City.

Underwriting assumptions and cost estimates of the Surety shall not have any bearing, whatsoever, on the Surety's liability under this bond. By way of example, if, when making underwriting decisions regarding issuing this bond, a cost estimate was prepared regarding the principal's obligations to the City, the fact that an item was omitted from the cost estimate (which item was an obligation of the

FORM OF CONTRACT

principal to the City), shall in no way defeat or diminish the Surety's obligation to the City with respect to this omitted item. By way of further example, if the underwriting decision to issue this bond included a cost estimate of items and a particular item was estimated at a cost significantly less than the amount actually required to perform such item, this fact shall in no way defeat or diminish the Surety's obligation to the City. Namely, the Surety shall be obligated, to the full amount of the penal sum of the bond, with respect to all matters which are the principal's obligation to the City, whether such items are actually included in any cost estimate (or it so included, are estimated at a cost far less than the actual cost to perform such items).

Likewise, the adequacy and amount of any premium (and whether or not such premium was sufficient for the risk assumed by Surety) shall have no bearing on Surety's absolute and unconditional obligation to the City upon the principal's default of its obligations under this bond.

FORM OF CONTRACT

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

Signed and sealed this _____ day of _____ 20 _____

ATTEST:

_____	_____
	Principal
_____	By _____
(Principal Secretary)	_____
_____	_____
(Witness as to Principal)	(Address)
_____	_____
(Address)	_____
_____	_____

ATTEST:

_____	_____
	Surety
_____	By _____
(Surety Secretary)	Attorney-in-Fact
_____	_____
(Witness as to Surety)	(Address)
_____	_____

NOTES:

1. If Contractor is a Partnership, all partners should execute the bond.
2. Bidder must attach Power of Attorney and Certificate of Authority for Surety and a Notary Acknowledgment for all Surety's signatures. The California Department of Insurance must authorize the Surety to be an admitted Surety Insurer.

FORM OF CONTRACT

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS:

THAT WHEREAS, The City Council of the City of Gridley, State of California, 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 _____, 2022, and identified as project

MANUEL VIERRA PARK - TENNIS COURT REHABILITATION,

is hereby referred to and made a part hereof; and,

Whereas, Under the terms of the agreement, the principal is required before entering upon the performance of the work, to file a good and sufficient Payment Bond with the City of Gridley to secure the claims to which reference is made in Title 3 (commencing with Section 9000) of Part 6 of Division 4 of the Civil Code.

Now, therefore, the principal and the undersigned as corporate surety, are held firmly bound unto the City of Gridley and all contractors, subcontractors, laborers, material suppliers, and other persons employed in the performance of the agreement and referred to in Title 3 (commencing with Section 9000) of Part 6 of Division 4 of the Civil Code in the penal sum of _____ dollars (\$ _____) (which amount is not less than one hundred percent (100%) of the Contract price) lawful money of the United States, for materials furnished or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to this work or labor, that the surety will pay the same in an amount not exceeding the amount hereinabove set forth, and also in case suit is brought upon this bond, will pay, in addition to the face amount thereof, costs and reasonable expenses and fees, including reasonable attorney's fees, incurred by county (or city) in successfully enforcing this obligation, to be awarded and fixed by the court, and to be taxed as costs and to be included in the judgment therein *rendered*, we bind ourselves, our heirs, successors, executors and administrators, jointly and severally, firmly by these presents.

FORM OF CONTRACT

It is hereby expressly stipulated and agreed that this bond shall inure to the benefit of any and all persons, companies, and corporations entitled to file claims under Title 3 (commencing with Section 9000) of Part 6 of Division 4 of the Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond.

Should the condition of this bond be fully performed, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect.

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

FORM OF CONTRACT

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

Signed and sealed this _____ day of _____ 20 _____

ATTEST:

_____	_____
(Principal Secretary)	Principal
_____	By _____
(Witness as to Principal)	_____
_____	(Address)
(Address)	_____

ATTEST:

_____	_____
(Surety Secretary)	Surety
_____	By _____
(Witness as to Surety)	Attorney-in-Fact
_____	_____
	(Address)

NOTES:

1. If Contractor is a Partnership, all partners should execute the bond.
2. Bidder must attach Power of Attorney and Certificate of Authority for Surety and a Notary Acknowledgment for all Surety's signatures. The California Department of Insurance must authorize the Surety to be an admitted Surety Insurer.

GENERAL CONDITIONS

<u>INDEX</u>		
Section	Title	Page
A. <u>SCOPE OF THE WORK</u>		GC-3
A.1	Intent	
A.2	Changes in the Work	
A.3	Increased or Decreased Quantities	GC-4
A.3.a	Increase of More than 25 Percent	
A.3.b	Decrease of More than 25 Percent	
A.3.c	Deleted Items	GC-5
A.4	Changes in Character of Work	
A.5	Hazardous Materials	
A.6	Extra Work	GC-6
A.7	Guarantee	
B. <u>PROGRESS AND COMPLETION OF THE WORK</u>		GC-6
B.1	Progress of the Work and Time of Completion	
B.2	Liquidated Damages	
B.3	Delays and Extensions of Time	GC-7
B.4	Progress Schedule and Order of Completion	
C. <u>CONTROL OF THE WORK</u>		GC-7
C.1	Assignment	
C.2	Antitrust Claims Assignment	
C.3	Rights of Various Interests	GC-8
C.4	Separate Contracts	
C.5	Subcontracts	
C.6	Informal Bid Documents	
C.7	City's Authority	
C.8	Inspection of Work	GC-9
C.9	Superintendence	
C.10	Character of Workmen	GC-10
C.11	Plans, Specifications and Instructions	
C.12	Construction Staking	
C.13	Permits and Regulations	
C.14	Lands for Work	GC-11
C.15	Suspension of Work	
C.16	Owner's Right to do Work	
C.17	Owner's Right to Terminate Project	
C.18	Removal of Equipment	GC-12
C.19	Correction of Work	
C.20	Deductions for Uncorrected Work	
C.21	Use of Completed Portions	
C.22	Contractor Claims	
C.23	Cleaning Up	GC-14

GENERAL CONDITIONS

<u>INDEX</u>		
Section	Title	Page
D.	<u>INSURANCE AND LIABILITY</u>	GC-14
	D.1 Contractor's Liability Insurance	
	D.2 Fire Insurance	GC-15
	D.3 Preservation of Property	GC-16
	D.4 Protection of Work	
	D.5 Public Safety	
	D.6 Accidents	
E.	<u>LABOR AND MATERIALS</u>	GC-17
	E.1 Hours of Labor	
	E.2 Employment of Apprentices	
	E.3 Labor Discrimination	
	E.4 Prevailing Wage	
	E.5 Materials	GC-18
	E.6 Records of Material Purchased	
	E.7 Patents	
	E.8 Ownership of Removed Materials	
	E.9 Substitution of Materials	
	E.10 Submission of Working Drawings	
	E.11 Tests	GC-19
	E.12 Record Drawings	
F.	<u>MEASUREMENT AND PAYMENT</u>	GC-19
	F.1 Measurement of Quantities	
	F.2 Scope of Payment	
	F.3 Changes in the Work	
	F.4 Force Account Payment	
	F.5 Records of Force Account Work	GC-20
	F.6 Payments Withheld	
	F.7 Progress Payments	GC-21
	F.8 Final Payment	
	F.9 Payment of Taxes	GC-22

A. SCOPE OF THE WORK

A.1 INTENT: The intent of the Plans and Specifications is to prescribe the details for the construction and completion of the work which the Contractor undertakes to perform in accordance with the terms of the Informal Bid Documents. Where the Plans or Specifications describe portions of the work in general terms, but not in complete detail, it is understood that only the best general practice is to prevail and that only materials and workmanship of the first quality are to be used. Unless otherwise specified, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals, and do all the work involved in executing the project in a satisfactory and workmanlike manner.

A.2 CHANGES IN THE WORK: The Owner reserves the right to make changes in the work, including alterations, additions, deductions and omissions, and to require extra work, all as may be deemed necessary by the City. All such changes will be done under Change Order which shall set forth the work to be done or the changes to be made, the value of the work or the method by which it will be determined and the change, if any, in the time of completion of the work.

The value of any such extra work or change shall be determined in one or more of the following ways:

- (a) By unit prices named in the Proposal or subsequently agreed upon.
- (b) By estimate and acceptance in an agreed upon lump sum.
- (c) By Force Account as provided for in Article F.4.

If none of the above methods is agreed on, or if the work is to be done by Force Account, the Contractor shall keep and present in the form prescribed in Article F.5 a correct account of the net cost of the labor and materials actually incorporated in the work.

Upon receipt of a Change Order, the Contractor shall proceed with the ordered work. If ordered in writing by the City, the Contractor shall proceed with the work so ordered prior to actual receipt of a Change Order. A Change Order executed by the Contractor and approved by the City is an executed Change Order as that term is used in Articles A.3 through A.5.

A Change Order may be issued to the Contractor at any time. Should the Contractor disagree with any terms or conditions set forth in a Change Order which he has not executed, he shall submit a written protest to the City within five (5) calendar days after the receipt of such Change Order. The protest shall state the points of disagreement, Specification references, and, if possible, the quantities and cost involved. If a written protest is not submitted, payment will be made as set forth in the Change Order and such payment shall constitute full compensation for all work included therein or required thereby. Such un-protested Change Orders will be considered as executed Change Orders as that term is used in Articles A.3 through A.5.

Where the protest concerning a Change Order relates to compensation, the compensation payable for all work specified or required by said Change Order to which such protest relates will be determined as provided in Articles A.3 through A.5. The Contractor shall keep full and complete records of the cost of such work and shall permit the City to have access thereto as may be necessary to assist in the determination of the compensation payable for such work.

GENERAL CONDITIONS

Where the protest concerning a Change Order relates to the adjustment of time of completion of the work, the time to be allowed therefore will be determined as provided in Article B.3.

A.3 INCREASED OR DECREASED QUANTITIES: Increases or decreases in the quantity of a Proposal item of work will be determined by comparing the total pay quantity of such item of work with the quantity shown in the Proposal for the same item of work.

If the total pay quantity of any item of work required varies from the Proposal quantity therefore by twenty five percent (25%) or less, payment will be made for the quantity of work performed at the Proposal unit price, unless eligible for adjustment pursuant to Article A.4.

If the total pay quantity of any item of work varies from the Proposal quantity therefore by more than twenty five percent (25%), in the absence of an executed Change Order specifying the compensation to be paid, the compensation payable to the Contractor will be determined in accordance with Articles A.3.a., A.3.b., or A.3.c. herein, as the case may be.

A.3.a. Increase of more than twenty five percent (25%): Should the total pay quantity of any item of work exceed the Proposal quantity by more than twenty five percent (25%), the work in excess of one hundred and twenty five percent (125%) of the Proposal quantity (if not covered by an executed Change Order specifying the compensation) will be paid for by adjusting the Proposal unit price, or at the option of the City, payment for the work involved in such excess will be made on the basis of Force Account as provided in Article F.4.

The Contractor's fixed costs which have been distributed over the Proposal quantity will be deemed to have been recovered by the Contractor from the payments made for one hundred and twenty five percent (125%) of the Proposal quantity and will be excluded from the adjusted unit price.

A.3.b. Decrease of more than twenty five percent (25%): Should the total pay quantity of any item of work be less than seventy five percent (75%) of the Proposal quantity, the quantity performed (unless covered by an executed Change Order specifying the compensation) will be paid for by adjusting the Proposal unit price, or at the option of the City, payment for the quantity of the work of such item performed will be made on the basis of Force Account as provided in Article F.4.

The Contractor's fixed costs which have been distributed over the Proposal quantity will be redistributed over the pay quantity in determining the adjusted unit price.

The total payment for the final quantity of such item of work will in no case exceed the payment which would be made for the performance of seventy five percent (75%) of the Proposal quantity at the original Proposal unit price.

A.3.c. Deleted items: Should any item of work be deleted in its entirety (in the absence of an executed Change Order covering the deletion), payment will be made to the Contractor for actual and direct costs, excluding overhead and profit, incurred prior to the date of notification in writing by the City of the deletion, except as provided for costs of handling materials.

If acceptable material is ordered by the Contractor for the deleted item prior to the date of notification of the deletion by the City, and if orders for such material cannot be canceled, it will be paid for at the actual cost to the Contractor, excluding overhead and profit. In such case, the material paid for shall

become the property of the Owner and the cost of any further handling will be paid for as extra work as provided in Article A.5. If the material is returnable to the vendor and if the City so directs, the material shall be returned and the Contractor will be paid for charges made by the vendor for returning the material, excluding any markup for overhead and profit to the Contractor. The cost of handling returned material will be paid for as extra work as provided in Article A.5.

A.4 CHANGES IN CHARACTER OF WORK: If an ordered change in the Plans or Specifications materially changes the character of the work of a Proposal item from that on which the Contractor based his Proposal price and increases or decreases the actual unit cost of the changed item, an adjustment in compensation therefore will be made. Any such adjustment will apply only to the portion of the work of said item actually changed in character. At the option of the City, the work of said item or portion of said item which is changed in character will be paid for by Force Account as provided in Article F.4.

Failure of the City to recognize a change in character of the work at the time the Change Order is issued shall in no way be construed as relieving the Contractor of his duty and responsibility of filing a written protest within the fifteen (15) day limit.

A.5 HAZARDOUS MATERIALS: Projects which include excavations deeper than four feet are subject to the provisions of Public Contracts Code Section 7104, which addresses the discovery of hazardous materials in connection with any excavation which may be required. That section provides:

(a) That the 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, which 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.

(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 project.

(b) That 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 Contractors cost of, or the time required for, performance of any part of the work shall issue a Change Order under the procedures described in the General Conditions.

(c) That, 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 Contractors 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 Informal Bid Documents, but shall proceed with all work to be performed. The Contractor shall retain any and all rights provided by law which pertain to the resolution of disputes and protests between the parties.

A.6 EXTRA WORK: New and unforeseen work will be classed as extra work when determined by the City that such work is not covered by any of the various items for which there is a Proposal price or by combinations of such items. In the event portions of such work are determined by the City to be covered by some of the various items for which there is a Proposal price or combination of such items,

GENERAL CONDITIONS

the remaining portion of such work will be classed as extra work. Extra work also includes work specifically designated as extra work in the Plans or Specifications.

The Contractor shall do such extra work and furnish material and equipment therefore upon receipt of a Change Order or other written order from the City, and without a Change Order or other written order of the City, he shall not be entitled to payment for such extra work. Where such extra work is ordered by a written order other than a Change Order, the City will, as soon as practicable, issue a Change Order. The provisions in Article A.2 shall be fully applicable to the subsequently issued Change Order. Payment for extra work required to be performed pursuant to the provisions of this section, in the absence of an executed Change Order, will be made by Force Account as provided in Article F.4, or as agreed to by the Contractor and the City.

A.7 GUARANTEE: The Contractor shall guarantee all of his work against defective material or faulty workmanship for a period of one (1) year after the date of formal acceptance of the work by the Owner, unless otherwise stated in the specifications.

The Contractor shall repair or replace to the satisfaction of the City any or all such work that may prove defective in workmanship or materials within that period, ordinary wear and tear and unusual abuse or neglect excepted, together with any other work which may be damaged or displaced in so doing.

In the event of failure to comply with the above mentioned conditions within a reasonable time after being notified in writing, the Owner is authorized to have the defects repaired and made good at the expense of the Contractor who will pay the cost and charges therefore immediately upon demand.

The acceptance of a Notice to Proceed by the Contractor shall constitute execution of the above guarantees.

B. PROGRESS AND COMPLETION OF THE WORK

B.1 PROGRESS OF THE WORK AND TIME OF COMPLETION: The Contractor shall begin work within seven (7) calendar days after receipt of a Notice to Proceed. He shall diligently prosecute the same to completion within the number of days set forth in the Form of Contract.

B.2 LIQUIDATED DAMAGES: It is agreed by the parties that in case all work called for in the Informal Bid Documents is not completed within the number of days specified in the Special Conditions, damage will be sustained by the Owner; and it is further agreed that it is, and will be, impractical and extremely difficult to ascertain and determine the actual damage which the Owner will sustain by the delay. It is therefore agreed that the Contractor will pay to the Owner the sum of three hundred and fifty dollars (**\$350.00**) per calendar day for each and every calendar day delay in finishing the work. The Contractor agrees to pay said liquidated damages and further agrees that the Owner may deduct the amount thereof from the monies due or to become due the Contractor for this project.

It is further agreed that if the work called for in the Informal Bid Documents is not completed within the number of days specified in the Special Conditions, the Owner shall have the right to increase the number of days or not, as he decides will best serve his interest. If the Owner decides to increase the

GENERAL CONDITIONS

number of calendar days, he shall further have the right to charge the Contractor, his heirs, assigns, or sureties, and to deduct from the final payment for the work, all or any part, as he may deem proper, of the actual cost of inspection, superintendence, and other overhead expenses which are directly chargeable to the Project and which accrue during the period of such extension, except that the cost of final surveys and preparation of the final estimate shall not be included in such charges.

B.3 DELAYS AND EXTENSIONS OF TIME: The Contractor will be granted an extension of time and will not be assessed with liquidated damages or the cost of engineering, inspection, superintendence and other overhead expenses during any delay beyond the time named for the completion of the work caused by an act of God or by the public enemy, acts of the Owner, fire, floods, epidemics, quarantine restrictions, strikes, unusual shortage of materials and freight embargoes. In the event of such delay, the Contractor shall notify the City in writing of the causes of delay within five (5) calendar days from the beginning of such delay, and his findings thereon shall be final.

B.4 PROGRESS SCHEDULE AND ORDER OF COMPLETION: Within seven (7) calendar days after receipt of a Notice to Proceed, the Contractor shall submit to the City a progress schedule showing a breakdown of the work into at least all of its major items, and showing the proposed dates of starting and completing these items of work per time specified in the General Conditions and Special Conditions. This schedule shall also conform to the requirements for completion of portions of the work as may be specified in the General and Special Conditions. The Contractor shall review and, if necessary, revise the progress schedule at least once a month and in any event shall submit a current schedule to the City at his request at any time during the project construction. The schedule shall be updated and revised within five (5) working days of the Engineer's written request at any other time. The schedule shall show the order of work by task and the "critical path", or the series of tasks, which control the project completion, date, with respect to equipment, material, or labor. Delays and other changes to the schedule, which have no impact on the critical path, shall not be considered for contract time extensions. The Contractor shall make no claim for damages resulting from the delay of an "early" completion schedule.

C. CONTROL OF THE WORK

C.1 ASSIGNMENT: Neither party shall assign the work or sublet it as a whole without the written consent of the other, nor shall the Contractor assign any monies due, or to become due to him hereunder, without the previous written consent of the Owner.

C.2 ANTITRUST CLAIMS ASSIGNMENT: To the extent this project constitutes a contract or a subcontract to supply goods, services, or materials pursuant to a public works contract, the Contractor or subcontractor offers and agrees to assign to the Owner 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. Section 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 is made and becomes effective at the time the Owner tenders final payment to the Contractor, without further acknowledgment by the parties.

C.3 RIGHTS OF VARIOUS INTERESTS: Wherever work being done by the Owner's forces or by other contractors is contiguous to work covered by the Informal Bid Documents, the respective rights

GENERAL CONDITIONS

of the various interests involved shall be established by the City, to secure the completion of the various portions of the work in general harmony.

C.4 SEPARATE CONTRACTS: The Owner reserves the right to let contracts and/or authorize other work in connection with this work. The Contractor shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work, and shall properly connect and coordinate his work with theirs.

If any part of the Contractor's work depends upon the work of any other contractor, the Contractor shall inspect and promptly report to the City any defects in such work that render it unsuitable. His failure to so inspect and report shall constitute an acceptance of the other contractor's work as fit and proper for the reception of his work except as to defects which may later develop in the other contractor's work. In addition, the Contractor shall measure work already in place and shall immediately report to the City any discrepancy between the executed work and that shown on the Plans.

C.5 SUBCONTRACTS: No subcontractor will be recognized as such, and all persons engaged in the work will be considered as employees of the Contractor and he will be held responsible for their work, which shall be subject to the provisions of the Informal Bid Documents. Nothing contained in the Informal Bid Documents shall create any contractual relation between any subcontractor and the Owner.

C.6 INFORMAL BID DOCUMENTS: The various parts of the Informal Bid Documents, as defined in the Instructions to Bidders, are complementary and a requirement stated in one is as binding as though stated in all. They are intended to be cooperative and to describe and provide for a complete work.

In the event of conflict between the Instructions to Bidders and the Special Conditions, the Special Conditions shall govern. In the event of conflict between the General Conditions and the Special Conditions, the Special Conditions shall govern. In the event of conflict between the Plans and the Technical Specifications, the Technical Specifications shall govern, except that where items are shown on the Plans and are not specifically included in the Technical Specifications, the Plans shall govern.

C.7 CITY'S AUTHORITY: The City is the representative of the Owner and has full authority to interpret the Informal Bid Documents, to enforce the requirements thereof and to decide questions which arise during the course of the work. He has authority to stop the work whenever such stoppage may be necessary to insure the proper completion of the project. He shall also have authority to reject all work and materials which do not conform to the Informal Bid Documents.

If at any time before the commencement or during the progress of the work, tools, plant or equipment appear to the City to be insufficient, inefficient, or inappropriate to secure the quality of work required or the proper rate of progress, the City may order the Contractor to increase their efficiency, or to improve their character, or to augment their number, or to substitute new tools, plant or equipment as the case may be, and the Contractor must conform to such order; but the failure of the City to demand such increase of efficiency, number, or improvement shall not relieve the Contractor of his obligation to secure the quality of work and the rate of progress necessary to complete the work in accordance with the Informal Bid Documents.

GENERAL CONDITIONS

In giving instructions, the City shall have authority to make minor changes in the work, not involving extra cost, and not inconsistent with the purpose of the work.

C.8 INSPECTION OF WORK: The City and their representatives shall at all times have access to the work wherever it is in preparation or progress and the Contractor shall provide proper facilities for such access and for inspection. If the Specifications or the City's instructions require any work to be specially tested or approved, the Contractor shall give the City timely notice of its readiness for inspection. Inspection by the City will be made promptly. If any work should be covered up without approval or consent of the City, it must, if required by the City, be uncovered for examination at the Contractor's expense.

The inspection of the work or materials shall not relieve the Contractor of any of his obligations to complete the project as prescribed. Work and materials not meeting such requirements shall be made good and unsuitable work or materials may be rejected, notwithstanding that such work or materials may have been previously inspected by the City or that payment therefore has been included in a progress estimate.

Re-examination of questioned work may be ordered by the City and if so ordered, the work must be uncovered by the Contractor. If such work is found to be in accordance with the Informal Bid Documents, the Owner will pay the cost of re-examination and replacement. If such work is not found to be in accordance with the Informal Bid Documents, the Contractor shall pay such cost.

Projects financed in whole or in part with State or federal funds shall be subject to inspection at all times by the State or federal agency involved. Where any part of the work is being done under an encroachment permit or building permit, or is subject to State, County or municipal codes, laws or ordinances, representatives of the governing agency shall have full access to the work and shall be allowed to make any inspection or tests in accordance with such permits, codes, laws or ordinances. If advance notice of the readiness of the work for inspection by the governing agency is required, the Contractor shall furnish such notice to the appropriate agency.

C.9 SUPERINTENDENCE: The Contractor shall designate in writing before starting work, an authorized representative who shall have complete authority to represent and to act for the Contractor. Said authorized representative shall be present at the site of the work at all times while work is actually in progress on the project. During periods when work is suspended, arrangements acceptable to the City shall be made for any emergency work which may be required.

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

Any order given by the City, not otherwise required by the Informal Bid Documents to be in writing will, on request of the Contractor, be given or confirmed by the City in writing.

C.10 CHARACTER OF WORKMEN: If any subcontractor or person employed by the Contractor shall fail or refuse to carry out the directions of the City or shall appear to the City to be incompetent or to act in a disorderly or improper manner, he shall be removed immediately on the requisition of the City, and such person shall not again be employed on the work.

GENERAL CONDITIONS

The Contractor shall at all times enforce strict discipline and good order among his employees, and shall not employ on the work any unfit person or anyone not skilled in the work assigned to him. Neither party shall employ or hire any employee of the other party without his consent.

C.11 PLANS, SPECIFICATIONS, AND INSTRUCTIONS: Unless otherwise provided in the Special Conditions, the City will furnish to the Contractor, free of charge, all copies of Plans and Specifications reasonably necessary for the execution of the work. They will also furnish with reasonable promptness additional instructions, either as supplemental drawings or otherwise, as may be necessary for the proper execution of the work. The Contractor shall keep one copy of all Plans and Specifications, including any Addenda and Change Orders, on the work in good order available to the City and their representatives.

Should the Contractor be in doubt as to the meaning of any provision in the Plans and Specifications, or should he find any errors or omissions therein, or should he find any errors or omissions in the layout or staking, he shall immediately notify the City. The City will promptly investigate and will furnish the Contractor with any additional instructions as may be required.

Unless otherwise noted in the Special Conditions, upon completion of all project work, the Contractor shall provide the City with one complete set of Plans and Specifications with all "As Built" changes or modifications marked and annotated.

C.12 CONSTRUCTION STAKING: Construction Staking is not required for this project.

C.13 PERMITS AND REGULATIONS: Permits and licenses of a temporary nature necessary for the prosecution of the work shall be obtained by the Contractor at his expense. Unless otherwise specified in the Special Conditions, permits and licenses for permanent structures or permanent changes in existing facilities will be secured and paid for by the Owner. Copies of any permits and licenses which are obtained by the Owner will be on file at his office and will be available for inspection by the Contractor. The Contractor shall acquaint himself with, and abide by, any requirements of these documents. The Contractor shall obtain any supplemental agreements or bonds required by any encroachment permit, and he shall give all notices and comply with all laws, ordinances, rules and regulations bearing on the conduct of the work. If the Contractor observes that the Plans and Specifications are at variance therewith, he shall promptly notify the City in writing, and any necessary changes shall be adjusted as provided in the Informal Bid Documents for changes in the work. If the Contractor performs any work, knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the City, he shall bear all costs arising therefrom.

The Contractor shall be required obtain a Business License from the City of Gridley to conduct work on the project.

C.14 LANDS FOR WORK: The Owner shall provide the lands, easements, and rights-of-way upon which the work is to be done. Unless he specifically makes other arrangements, the Contractor shall confine his operations to the limits of the Owner's land and to the limits of the easements and rights-of-way. The Contractor shall provide land required for the erection of temporary construction facilities and storage of his material.

C.15 SUSPENSION OF WORK: The Owner may at any time suspend the work, or any part thereof, by giving one (1) working day's notice to the Contractor in writing. The work shall be resumed by the Contractor as directed by the Owner to the Contractor to do so. The Owner will reimburse the Contractor for expense incurred by the Contractor in connection with the work as a result of such suspension, except that no reimbursement will be made if the suspension is due to non-conformance with the Informal Bid Documents on the part of the Contractor. If the work or any part thereof shall be stopped by notice in writing, and if the Owner does not give notice in writing to the Contractor to resume work within thirty (30) calendar days of the date fixed in written notice to suspend, the Contractor may abandon the suspended portion of the work and will be entitled to payment for all work acceptably done on the abandoned portions.

C.16 THE OWNER'S RIGHT TO DO WORK: If the Contractor should neglect to prosecute the work properly or fail to perform any provision of the Informal Bid Documents, the Owner, after three (3) working days written notice to the Contractor, may, without prejudice to any other course of action he may have, perform or have performed by other forces, all or any portion of the work and may deduct the cost thereof from the monies due or to become due the Contractor.

C.17 THE OWNER'S RIGHT TO TERMINATE PROJECT: If the Contractor should be adjudged bankrupt, or should make a general assignment for the benefit of his creditors, or if a receiver should be appointed because of his insolvency, or if he should persistently or repeatedly refuse or should fail to supply enough properly skilled workmen or proper materials, or if he should fail to make prompt payment to subcontractors or for materials or labor, or persistently disregard laws, ordinances or the instructions of the City, or otherwise be guilty of a substantial violation of any provision of the Informal Bid Documents, then the Owner, upon the certification of the City that sufficient cause exists to justify such action, may, without prejudice to any other right or remedy and after giving the Contractor seven (7) calendar days written notice, terminate the employment of the Contractor and take possession of the premises and of all materials, tools, and appliances thereon and finish the work by whatever method he may deem expedient. In such case, the Contractor shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the bid price exceeds the expenses of finishing the work, including compensation for all attributable administrative costs and for damages incurred through the Contractor's default, such excess shall be paid to the Contractor. If such expenses exceed such unpaid balance, the Contractor shall pay the difference to the Owner. The expenses incurred by the Owner as herein provided, and the damage incurred through the Contractor's default, shall be certified by the City.

C.18 REMOVAL OF EQUIPMENT: In the case of termination of the project before completion for any cause, the Contractor, if notified to do so by the Owner, shall promptly remove any part or all of his equipment and supplies from the Owner's property. If not promptly done, the Owner shall have the right to remove such equipment and supplies at the expense of the Contractor.

C.19 CORRECTION OF WORK: The Contractor shall promptly remove from the premises all materials condemned by the City as failing to conform to the Informal Bid Documents whether incorporated in the work or not. The Contractor shall, at his own expense, promptly replace such materials and perform all work made necessary by such replacement, including making good all work of others destroyed or damaged by such removal or replacement.

If the Contractor does not remove such condemned work and materials within a reasonable time, fixed by written notice, the Owner may remove and store the material at the expense of the Contractor. If the Contractor does not pay for the expense of the removal within ten (10) calendar days time thereafter, the Owner may, upon ten (10) calendar days written notice, sell such materials at auction or at private sales and shall account for the net proceeds thereof, after deducting all the costs and expenses that should have been borne by the Contractor.

C.20 DEDUCTIONS FOR UNCORRECTED WORK: If the City deems it inexpedient to correct work injured or done not in accordance with the Informal Bid Documents, an equitable deduction from the Proposal price shall be made therefore.

C.21 USE OF COMPLETED PORTIONS: The Owner shall have the right to take possession of and use any completed or partially completed portions of the work, notwithstanding the time for completing the entire work or such portions may not have expired but taking possession and use shall not be deemed an acceptance of any work not completed in accordance with the Informal Bid Documents. If such prior use increases the cost of or delays the work, the Contractor shall be entitled to extra compensation, or extension of time or both, as the City may determine.

C.22 CONTRACTOR CLAIMS: Appropriate claims shall be submitted and reviewed in accordance with Section 20104 of the Public Contracts Code. For any claim subject to this Article, the following requirements apply:

(a) The claim shall be in writing and include the documents necessary to substantiate the claim. Claims must be filed on or before the date of final payment. Nothing in this subdivision is intended to extend the time limit or supersede notice requirements otherwise provided in the Informal Bid Documents for the filing of claims.

(b) (1) For claims of less than fifty thousand dollars (\$50,000), the Owner shall respond in writing to any written claim within forty five (45) calendar days of receipt of the claim, or may request, in writing, within thirty (30) calendar days of receipt of the claim, any additional documentation supporting the claim or relating to defenses to the claim the Owner may have against the Contractor.

(2) If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the Owner and the Contractor.

(3) The Owner's written response to the claim, as further documented, shall be submitted to the Contractor within fifteen (15) calendar days after receipt of the further documentation or within a period of time no greater than that taken by the Contractor in producing the additional information, whichever is greater.

(c) (1) For claims of over fifty thousand dollars (\$50,000) and less than or equal to three hundred seventy-five thousand dollars (\$375,000), the Owner shall respond in writing to all written claims within sixty (60) calendar days of receipt of the claim, or may request, in writing, within thirty (30) calendar days of receipt of the claim, any additional documentation supporting the claim or relating to defenses to the claim the Owner may have against the Contractor.

(2) If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the Owner and the Contractor.

(3) The Owner's written response to the claim, as further documented, shall be submitted to the Contractor within thirty (30) calendar days after receipt of the further documentation, or within a period of time no greater than that taken by the Contractor in producing the additional information or requested documentation, whichever is greater.

GENERAL CONDITIONS

(d) If the Contractor disputes the Owner's written response, or the Owner fails to respond within the time prescribed, the Contractor may so notify the Owner, in writing, either within fifteen (15) calendar days of receipt of the Owner's response or within fifteen (15) calendar days of the Owner's failure to respond within the time prescribed, respectively, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon a demand, the Owner shall schedule a meet and confer conference within thirty (30) calendar days for settlement of the dispute.

(e) Following the meet and confer conference, if the claim or any portion remains in dispute, the Contractor may file a claim as provided in Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code. For purposes of those provisions, the running of the period of time within which a claim must be filed shall be tolled from the time the Contractor submits his or her written claim pursuant to subdivision (a) until the time that claim is denied as a result of the meet and confer process, including any period of time utilized by the meet and confer process.

(f) This article does not apply to tort claims and nothing in this article is intended nor shall be construed to change the time periods for filing tort claims or actions specified by Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code.

It is hereby mutually agreed that the Contractor shall not be entitled to payment of additional compensation for any cause, including any act or failure to act by the City, or of any event, thing or occurrence, unless he shall have given the City due written notice of potential claim, provided however, that compliance with this Article shall not be a prerequisite as to matters within the scope of the protest provisions in Article A.2, nor to any claim which is based on differences in measurements or errors of computation of Proposal quantities.

The written notice of potential claim shall set forth the reasons the Contractor believes additional compensation will or may be due, the nature of the costs involved, and, insofar as possible, the amount of the potential claim. The required notice must have been given to the City prior to the time the Contractor performed the work giving rise to the potential claim for additional compensation, if based on an act or failure to act by the City, or in all other cases within fifteen (15) calendar days after the event, thing or occurrence giving rise to the potential claim.

In the event of an emergency endangering life or property, the Contractor shall act as stated in Article D.4, and after execution of the emergency work, shall present an accounting of labor, materials, and equipment in connection therewith. The procedure for any payment that may be due for emergency work will be as specified in Article A.2.

The City shall, within a reasonable time after their presentation to him, state his decisions in writing on all claims of the Owner or the Contractor. All such decisions of the City shall be final.

It is the intention of this Article that differences between the parties arising under and by virtue of the Informal Bid Documents be brought to the attention of the City at the earliest possible time so that such matters may be settled, if possible, or other appropriate action promptly taken. The Contractor hereby agrees that he shall have no right to additional compensation for any claim that may be based on any act, failure to act, event, thing, or occurrence for which no written notice of potential claim was filed.

C.23 CLEANING UP: The Contractor shall, at his own expense, promptly remove from the Owner's property, and from all other lands affected by his work, all temporary structures, rubbish and waste materials resulting from his operations. He shall leave such lands in a neat and orderly condition which is at least as good as the condition prior to his operations.

D. INSURANCE AND LIABILITY

D.1 CONTRACTOR'S LIABILITY INSURANCE: The Contractor shall maintain insurance to protect them from claims under workman's compensation acts and from any other claims for damages for personal injury, including death, which may arise from operations under the Informal Bid Documents, whether such operations are controlled by them, a subcontractor or by anyone directly or indirectly employed by either of them. The Owner shall be named as coinsured in all such insurance policies and the coverage shall include concurrent negligence of the Owner or their agents, employees, or representatives whether such concurrent negligence be active or passive, including specifically any liability based upon a violation of any non-delegable duties. Certificates of insurance and the certificate required by Labor Code Section 1861 shall be filed with the City prior to commencing the work and shall be subject to his approval for adequacy of protection.

The Contractor specifically obligates themselves and hereby agrees to protect, hold free and harmless, defend and indemnify the Owner, the City and the consultants, and each of their officers, employees and agents, from any and all liability, penalties, costs, losses, damages, expenses, causes of actions, claims or judgments, including attorney's fees, which arise out of or are in any way connected with the Contractor's performance of the work on this project. To the extent legally permissible, this indemnity and hold harmless agreement by the Contractor shall apply to any acts or omissions, whether active or passive, on the part of the Contractor or his agents, employees, representatives, or subcontractors, or his subcontractor's agents, employees and representatives, resulting in liability irrespective of whether or not any acts or omissions of the parties to be indemnified hereunder may have also been a contributing factor to the liability.

As a further precaution toward this end, the Contractor shall procure and maintain, in full force and effect during the performance of the work contemplated thereunder, insurance in his favor and also in favor of the Owner, with an insurance carrier approved by the Owner, as follows:

Liability for Personal Injury or Property Damage in the amount of one million dollars
(\$1,000,000.00) for any occurrence.

The Contractor shall, before the commencement of the work, take out and maintain in full force and effect, compensation insurance with an insurance carrier or carriers under an insurance policy or policies, satisfactory to the Owner covering the full liability under the "Worker's Compensation Insurance and Safety Act" of the State of California to any employee who may be injured during the course of said work and to the dependents of any employee who may be killed during the course of said work.

Such policy or policies shall expressly provide therein that they shall not be canceled by the insurer until ten (10) calendar days after written notice of the intended cancellation thereof shall have first been given to the Owner by the insurer.

GENERAL CONDITIONS

The Contractor shall file with the Owner, immediately after issuance of a Notice to Proceed, certificates of all insurance. These certificates shall be fully executed and shall state that the policies cannot be canceled until ten (10) calendar days after written notification of such intent of cancellation has been given to the Owner. All policies shall be with Insurance Companies acceptable to the Owner.

In case of the breach of any provision of this Article, the Owner may take out and maintain at the expense of the Contractor such insurance as the Owner may deem proper and may deduct the cost of such insurance from any monies which may be due or become due the Contractor.

D.2 FIRE INSURANCE: The Contractor shall take out and maintain fire insurance on the entire structure on which work is to be done. This insurance will be in the amount of one hundred percent (100%) of the insurable value of the structure, including items of labor and materials during construction, and one hundred percent (100%) of the insurable value of the completed structure. The coverage shall be maintained by the Contractor until final acceptance of the work by the Owner.

The loss, if any, is to be made adjustable with and payable to the Owner as Trustee for whom it may concern, except in cases which require payment of all or a portion of said insurance to be made to a mortgagee as his interest may appear.

The Contractor, on the written request, shall be named jointly with the Owner in all policies, all of which shall be open to inspection. If the Owner fails to show them on request, or if they fail to effect or maintain as above, the Contractor may insure their own interests and charge the cost thereof to the Owner. If the Contractor is damaged by failure of the Owner to maintain such insurance, they may recover as stipulated in the Informal Bid Documents for recovery of damages.

The Trustee shall deposit any money received from insurance in an account separate from all their other funds and they shall distribute it in accordance with such agreement as the parties in interest may reach. If after loss no special agreement is made, replacement of injured work shall be ordered and executed as provided for under changes in the work.

The Trustee shall have power to adjust and settle any loss with the insurers unless the Contractor shall object in writing within three (3) working days of the occurrence of loss, and thereupon arbitrators shall be chosen. The Trustee shall in that case make settlement with the insurers in accordance with the directions of the arbitrators, who shall also, if distribution by arbitration is required, direct such distribution.

EXCLUSION: This insurance does not cover any tools owned by mechanics, any tools, equipment, scaffoldings, staging, towers, or supplies, and any temporary structures erected for the Contractor's operations.

D.3 PRESERVATION OF PROPERTY: The Contractor shall take whatever precautions necessary to prevent damage to all existing improvements, including aboveground and underground utilities, trees and shrubbery that are not specifically shown to be removed, fences, signs, mail boxes, survey markers and monuments, building and structures, the Owner's property, adjacent property and any other improvements or facilities within or adjacent to the work. If such improvements or property are injured or damaged by the Contractor's operations, they shall be replaced or restored, at the Contractor's expense, to a condition at least as good as the condition prior to the start of the Contractor's operations.

The Contractor shall examine all bridges, culverts, and other structures over which they will move materials and equipment, and before using them, shall properly strengthen such structures, where necessary. The Contractor will be held responsible for any and all injury or damage to such structures caused by his operations.

The fact that any pipe or other underground facility is not shown, or not accurately shown on the Plans, shall not relieve the Contractor of his responsibility under this Article. It shall be the Contractor's responsibility to ascertain the existence of any underground improvements or facilities which may be subject to damage by his operations.

D.4 PROTECTION OF WORK: The Contractor shall continuously maintain adequate protection of all work from damage. Shall make good any such damage, injury, or loss, except as may be directly due to errors in the Informal Bid Documents or caused by agents or employees of the Owner. Shall adequately protect adjacent property as provided by law and the Informal Bid Documents. Shall provide and maintain all passageways, guard fences, lights and other facilities for protection required by public authority or local conditions.

In an emergency affecting the safety of life or of the work or of adjoining property, the Contractor, without special instruction or authorization from the City, is hereby permitted to act at their discretion to prevent such threatened loss or injury, and shall so act without appeal if so instructed or authorized. Any compensation claimed by the Contractor for emergency work shall be determined as specified under Article A.2.

D.5 PUBLIC SAFETY: The Contractor shall be responsible for furnishing and maintaining all flagmen, warning signs, barricades, emergency lighting, shoring, etc. necessary to protect the public and workmen employed on the project. Safety provisions shall conform to all applicable federal, State, County and local laws, ordinances, and codes and, in particular, to the rules and regulations established by OSHA and the California Division of Industrial Safety.

D.6 ACCIDENTS: The Contractor shall provide at the site such equipment and medical facilities as are necessary to give first-aid service to anyone who may be injured.

The Contractor must promptly report in writing to the City all accidents arising from or in connection with the performance of the work on or adjacent to the site, giving full details and statements of witnesses. If death or serious injuries or serious damages are caused, the accident shall be reported immediately by telephone or messenger to both the City and the Owner.

If any claim is made against the Contractor or any subcontractor because of any accident, the Contractor shall promptly report the facts in writing to the City, giving full details of the claim.

E. LABOR AND MATERIALS

E.1 HOURS OF LABOR: The Contractor shall forfeit, as penalty to the Owner, twenty five dollars (\$25.00) for each workman employed by them, or by any subcontractor under them, for each calendar day any workman is required or permitted to labor more than eight (8) hours (without workman being fully compensated at the in appropriate rate per the applicable provisions of the current Labor Code)

GENERAL CONDITIONS

in violation of the provisions of the Labor Code and in particular, Section 1810 to Section 1817 thereof, inclusive.

E.2 EMPLOYMENT OF APPRENTICES: The Contractor's attention is directed to Section 1777.5 of the Labor Code; provisions of said section pertaining to employment of indentured apprentices are hereby incorporated by reference into these Specifications. As applicable, the Contractor or any subcontractor employed by him in the performance of the work shall take such actions as necessary to comply with the provisions of said Section 1777.5.

E.3 LABOR DISCRIMINATION: Attention is directed to Section 1735 of the Labor Code, which reads as follows:

"No discrimination shall be made in the employment of persons upon public works because of the race, color or religion of such persons and every contractor for public works violating this section is subject to all the penalties imposed for a violation of this chapter."

E.4 PREVAILING WAGE: The Contractor shall forfeit as penalty to the Owner, fifty dollars (\$50.00) for each calendar day or portion thereof, for each workman paid less than stipulated prevailing rates for any work done by them or by any subcontractor under them, in violation of the provisions of the Labor Code and in particular, Section 1770 to Section 1780 thereof, inclusive.

The Owner will not recognize any claim for additional compensation because of the payment by the Contractor of any wage rate in excess of the Prevailing Wages set forth in the Informal Bid Documents. The possibility of wage increases is one of the elements to be considered by the Contractor in determining his Proposal and will not be considered as the basis of a claim against the Owner.

The Contractor and each Subcontractor shall keep an accurate record showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week and the actual per diem wages paid to each journeyman, apprentice, worker or other employee by him or her in connection with the work. These payroll records shall be certified and made available for inspection at all reasonable hours at the principal office of the Contractor and furnished by the Contractor to the Owner and others upon request in accordance with the provisions of Labor Code Section 1776. The Contractor's attention is called to the penalties provided for in Section 1776 for the failure to comply with its provisions.

E.5 MATERIALS: Unless otherwise specifically stated in the Special Conditions, the Contractor shall furnish all materials necessary for the execution and completion of the work. Unless otherwise specified, all materials shall be new and shall be manufactured, handled and installed in a workmanlike manner to ensure completion of the work in accordance with the Informal Bid Documents. The Contractor shall furnish satisfactory evidence as to the kind and quality of materials.

Where materials are to be furnished by the Owner, the type, size, quantity and location at which they are available will be stated in the Special Conditions.

In certain instances, the Owner may have available power, water or other utilities or materials which the Contractor may wish to use. If the Owner intends to furnish these free of charge, it will be so

GENERAL CONDITIONS

stated in the Special Conditions. In the absence of such specific statement, the Contractor shall furnish all utilities and materials at his own expense.

E.6 RECORDS OF MATERIALS PURCHASED: The Contractor is not required to duplicate invoices to the City for all materials furnished to the project.

E.7 PATENTS: The Contractor shall assume all costs arising from the use of patented materials, equipment, devices, or processes used on or incorporated in the work, and agrees to indemnify and save harmless the Owner and the City from all suits at law, or actions of every nature for, or because of the use of any patented materials, equipment, devices, or processes.

E.8 OWNERSHIP OF REMOVED MATERIALS: Unless otherwise specifically stated in the Special Conditions or Technical Specifications, any existing equipment or material removed by the Contractor during the course of the work shall remain the property of the Owner. Equipment and materials shall be removed with care to prevent unnecessary damage and shall be neatly stored at a location adjacent to the site of the work as directed by the City. Contractor shall verify if owner wishes to maintain ownership of said materials.

E.9 SUBSTITUTION OF MATERIALS: Where materials and equipment are specified in the Technical Specifications or are shown on the Plans as similar and equal to a certain proprietary brand, the intent is to establish the minimum quality and performance acceptable. If the Contractor proposes to substitute materials or equipment of another proprietary brand but of equal quality, he may submit a request to the City for approval of the proposed substitution. No substitution may be made without prior approval and the City shall be the final judge of equality.

If any tests are necessary for evaluation of the proposed substitution by the City, the Contractor shall furnish all necessary test materials and shall pay the cost of the tests.

E.10 SUBMISSION OF WORKING DRAWINGS: Unless otherwise specifically stated in the Special Conditions or Technical Specifications, the Contractor shall submit to the City, four sets of working drawings for all items of equipment or fabricated materials to be installed in the work. These drawings shall show any necessary details in fabrication or erections, which are not shown on the Plans, furnished by the Owner and shall verify details and dimensions of equipment. The Contractor shall verify these dimensions before starting any work dependent on or affected by them.

E.11 TESTS: Unless otherwise specified in the Special Conditions, the Owner will pay for the required testing of materials. The Contractor will furnish all samples at no cost to the Owner. In the event samples are submitted which fail to pass the specified tests, the Contractor will pay for all subsequent tests.

E.12 RECORD DRAWINGS: The Contractor shall maintain at the site of work, one set of construction drawings red noted with actual installation information which is to be updated at the end of each work day. Unless otherwise specified in the Special Conditions, the Contractor shall provide one Red Noted copy of the final plans marked Record Drawing. These plans shall show "ACTUAL" as install information regarding all final conditions of the Construction Project Site, including but not limited to: all hard surfaces, amounts of planting materials, ground cover, irrigation

(if installed or modified by this contract) and locations with dimensions of all equipment and structures.

F. MEASUREMENT AND PAYMENT

F.1 MEASUREMENT OF QUANTITIES: Where the Informal Bid Documents provide for payment on a lump sum price basis, no measurement of quantities will be made. Where the Informal Bid documents provide for payment on a unit price basis, the quantities of work performed will be computed by the City on the basis of measurements taken by the City, and these measurements shall be final and binding.

All work shall be measured by the City according to United States Measurements and Weights. Methods of measurement are specified in the Special Conditions and in the Technical Specifications.

F.2 SCOPE OF PAYMENT: The Contractor shall accept the compensation, as full payment for furnishing all labor, materials, tools, equipment, and incidentals necessary to the completed work and for performing all work contemplated and embraced in the Informal Bid Documents; also for loss or damage arising from the nature of the work, from the action of the elements, or from any unforeseen difficulties which may be encountered during the prosecution of the work until the acceptance by the Owner and for all risks of every description connected with the prosecution of the work, also for all expenses incurred in consequence of the suspension or discontinuance of the work; and for completing the work according to the Informal Bid Documents. Neither the payment of any estimate nor any retained percentage shall relieve the Contractor of any obligation to make good any defective work or material.

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

F.3 CHANGES IN THE WORK: The value of changes in the work, including extra work, shall be determined in accordance with Articles A.2 through A.5.

F.4 FORCE ACCOUNT PAYMENT: Where work is to be paid for by Force Account, the Contractor shall be paid on the basis of the actual cost of labor, material, and equipment, furnished by them as shown on paid vouchers, plus fifteen percent (15%). However, the Owner reserves the right to furnish such materials and equipment as they deems expedient, and the Contractor shall have no claim for overhead and profit on the cost of such material and equipment.

The cost of labor as referred to above shall include the cost of the base wages paid to workmen, plus any additional payment paid to, or on behalf of, workmen as required by State or federal laws plus any benefits, subsistence and travel allowance as may be required by collective bargaining agreements.

The cost of material as referred to above shall be the net cost to the purchaser, whether Contractor, subcontractor or other forces, from the supplier thereof.

GENERAL CONDITIONS

The cost of equipment as referred to above, shall conform to current equipment rental rates prevailing in the locality, as determined and agreed upon in writing by the City and by the Contractor. This applies to both rental equipment and equipment owned by the Contractor.

F.5 RECORDS OF FORCE ACCOUNT WORK: The Contractor shall maintain his records in a manner to provide a clear distinction between the direct costs of extra work paid for on a Force Account basis and the costs of other operations. The Contractor shall furnish the City report sheets in duplicate of each day's extra work no later than the working day following the performance of the work. The daily report sheets shall itemize the materials used, and shall cover the direct cost of labor and the charges for equipment rental, whether furnished by the Contractor, subcontractor, or other forces. The daily report sheets shall provide names or identifications and classifications of workmen, the hourly rate of pay and hours worked, and also the size, type and identification number of equipment and hours operated.

Material charges shall be substantiated by valid copies of vendor's invoices. Such invoices shall be submitted with the daily report sheets, or if not available, they shall be submitted with subsequent daily report sheets. Should vendor's invoices not be submitted within 15 days after acceptance of the work, the Owner reserves the right to establish the cost of such material at the lowest current wholesale prices at which the materials are available in the quantities concerned delivered to the location of the work.

Said daily report sheets shall be signed by the Contractor or his authorized agent.

The City will compare his records with the daily report sheets furnished by the Contractor, make any necessary adjustments, and compile the costs of work paid for on a Force Account basis on daily extra work report forms. When these daily extra work reports are agreed upon and signed by both parties, they shall become the basis of payment for the work performed.

F.6 PAYMENTS WITHHELD: The Owner may withhold or, because of subsequently discovered evidence, nullify the whole or a part of any payment to such extent as may be necessary to protect themselves from loss due to:

- a. Defective work not remedied.
- b. Claims filed or reasonable evidence indicating probable filing of claims.
- c. Failure of the Contractor to make payments properly to subcontractors or for material or labor.
- d. A reasonable doubt that the project can be completed for the balance then unpaid.
- e. Damage to another Contractor.
- f. Failure to maintain Red Noted Record drawings per E.12 herein.

When the above grounds are removed, payment shall be made for amounts withheld because of them.

The Contractor may, in accordance with the provisions of Public Contracts Code Section 22300, substitute securities for any monies which the Owner may withhold to insure performance.

F.7 PROGRESS PAYMENTS: Once each month, the City will make an estimate in written form of the total amount of work done and of the acceptable materials furnished and delivered by the Contractor on the site and not used to the time of such estimate, and the value thereof. To assist the City in determining the value of acceptable materials which are on hand but not used, the Contractor shall furnish the City with copies of invoices for all such materials. The Owner shall retain ten percent (10%) of such estimated value of work done, and fifty percent (50%) of the value of materials so estimated to be on hand but not used.

This retention will serve as part security for the completion of the project by the Contractor. The Owner shall pay monthly to the Contractor the balance not retained of the aforesaid, after deducting therefrom all previous payments and all sums to be retained.

When in the judgment of the City, the work is not proceeding in accordance with the provisions of the Informal Bid Documents, or when in his judgment the total amount of the work done since the last estimate amounts to less than five hundred dollars (\$500.00), no pay estimate will be prepared and no progress payment will be made.

No estimates or payment shall be construed to be an acceptance of any defective work or improper materials.

The Contractor may, in accordance with the provisions of Government Code Section 4590, substitute securities for any monies which the Owner may withhold to insure performance.

F.8 FINAL PAYMENT: Within ten (10) calendar days after the completion of the work and its acceptance by the Owner, the City will make a final estimate in writing of the quantities of work done and the value thereof, and will prepare a Notice of Completion to be filed by the Owner. At this time, a semi-final payment will be made to the Contractor provided that such payment is warranted under the terms of Article F.7. The amount of this payment shall be based on the total value of work acceptably performed, subject to the same conditions and retentions as payments previously made under the monthly estimates.

Within twenty (20) calendar days after the date of the final estimate, the Contractor shall submit to the City either written approval of the final quantities, and value of work as determined by the City, or a written statement of any and all claims for additional compensation claimed to be due. No claim for which a notice of potential claim is required will be considered unless the Contractor has complied with the notice provisions of Article C.21, nor will any claim be considered that was not included in said written statement of claims.

Failure of the Contractor to submit claims within the specified twenty (20) calendar day period, regardless of whether or not he files written approval, shall constitute acceptance of the quantities and value of work determined by the City in the final estimate. No claim will be considered if filed after the specified twenty (20) calendar day period.

In the event the Contractor files claims within the specified twenty (20) calendar day period, the City will, within ten (10) calendar days after receipt of said claims, consider and investigate the Contractor's claims and make a final determination. Should they find any revision to be warranted as a result of the investigation, the City will immediately notify the Owner and the final pay estimate will be revised accordingly.

GENERAL CONDITIONS

Thirty-five (35) calendar days after the date of filing the Notice of Completion, the Owner will pay the entire sum found to be due, after deducting all previous payments and all amounts to be retained. As a condition of such payment, the Owner may require the Contractor to furnish a release of all claims against the Owner. Payment will be withheld for any Proposal items for which a release is not furnished.

All prior partial estimates and payments shall be subject to correction in the final estimate and payments.

F.9 PAYMENT OF TAXES: The Proposal prices paid for the work include full compensation for payment of federal, State or local taxes.

**CITY OF GRIDLEY
MANUEL VIERRA PARK - TENNIS COURT REHABILITATION**

1. SPECIFICATIONS AND PLANS - GENERAL

The work embraced herein shall be done in accordance with the following specifications insofar as the same apply, and in accordance with the General Conditions and these Special Conditions.

- (a) The Standard Specifications, most recent version, of the State of California, Department of Transportation and herein after called the Caltrans Standard Specifications.
- (b) The latest edition of the City of Gridley Public Works Construction Standards and Standard Drawings hereinafter called the City Standards and Details.

In case of conflict between the Standard Specifications, the City of Gridley and the General Conditions and these Special Conditions, the General Conditions and Special Conditions shall take precedence over and be used in lieu of such conflicting portions.

All electrical work shall be done to the latest Electrical Code and to the satisfaction of the Engineer.

2. SPECIFICATIONS AND PLANS - DEFINITIONS

Unless the context otherwise requires, whenever terms listed below appear in the Caltrans Standard Specifications, these special conditions and other documents which constitute the contract (hereafter referred to as "Contract Specifications" or "Contract Documents"), the following definitions shall apply:

- (a) "Engineer" shall mean the City Engineer of the City of Gridley acting either directly or through properly authorized agents, such agents acting within the scope of particular duties delegated to them in writing.
- (b) "Department", "State", or "State of California", as used in the Caltrans Standard Specifications, shall mean the City of Gridley.

3. NOTIFICATION TO RESIDENTS

The Contractor shall notify all residents in the project area, in writing, of the start date of construction, temporary lane closures to through traffic. The Contractor shall submit written notice to the Project Manager for review prior to notifying residents.

4. PUBLIC SAFETY

In addition to any other measures taken by the Contractor pursuant to the General Conditions and the conditions of Section 7-1.04, "Public Safety", of the Caltrans Standard Specifications, the Contractor shall submit a traffic control plan for City approval prior to commencement of the work, when the following conditions exist:

- (a) Excavations - Any excavation the near edge of which is 12 ft. or less from the edge of the lane, except:
 - (1) Excavations covered with sheet steel or concrete covers of adequate thickness to prevent accidental entry by traffic or the public.
 - (2) Excavations less than one foot deep

SPECIAL CONDITIONS

- (3) Trenches less than one foot wide for irrigation pipe or electrical conduit or excavations less than one foot in diameter.
- (4) Excavations parallel to the lane for the purpose of pavement widening or reconstruction.
- (5) Excavations in side slopes, where the slope is steeper than 4:1.
- (6) Excavations protected by existing barrier or railing.

(b) Temporarily Unprotected Permanent Obstacles - Whenever the work includes the installation of a fixed obstacle together with a protective system, such as a sign structure together with protective railing, and the Contractor elects to install the obstacle prior to installing the protective system.

(c) Storage Areas - Whenever material or equipment is stored within 12 feet of the lane and such storage is not otherwise prohibited by the specifications.

Except for installing, maintaining and removing traffic control devices, whenever work is performed or equipment is operated in the following work areas the Contractor shall close the adjacent traffic lane unless otherwise provided in the specifications.

Approach speed of
public traffic
(posted limit)

Work Areas

Over 45 mph
Under 45 mph

Within 6 ft. of a traffic lane but not on a traffic lane.
Within 3 ft. of a traffic lane but not on a traffic lane.

When traffic cones or delineators are used to delineate a temporary edge of traffic lane, the line of cones or delineators shall be considered to be the edge of traffic lane, however, the Contractor shall not reduce the width of any existing lane to less than 10 ft. without written approval from the Project Manager. The lane closure conditions of this section shall not apply if the work area is protected by permanent or temporary railing or barrier.

When work is not in progress on a trench or other excavation that required a lane closure, the traffic cones or portable delineators used for the lane closure shall be placed off and adjacent to the edge of the traveled way. The spacing of the cones or delineators shall be not more than the spacing used for the lane closure.

Driveways shall be usable at all times, unless the contractor has made special arrangements with the property owner to close the driveway. The City shall be provided a written copy of the arrangement approved by the property owner.

5. WATER POLLUTION CONTROL / EROSION CONTROL

Water pollution control and erosion control shall conform to the conditions in Section 13 "Water Pollution Control," and Section 21 "Erosion Control" of the Caltrans Standard Specifications and these special conditions. The Contractor is required to prepare and submit a Water Pollution Control Plan for all work to be completed as a part of this project.

6. CONSTRUCTION AREA – TRAFFIC CONTROL

Construction area signs shall be furnished, installed, maintained, and removed when no longer required in accordance with the conditions in Section 12, “Temporary Traffic Control”, of the Caltrans Standard Specifications and these special conditions.

Personal vehicles of the Contractor’s employees shall be parked in areas approved by the City. Entry to the construction site will be allowed only at the location approved by the City.

All side streets, and driveways, and parking lots shall remain open and accessible during construction by ramping with A.B. or temporary A.C. or trench plating as directed by the City Inspector.

The Contractor is required to submit a traffic control and staging plan for this project. The City must approve the traffic control and staging plan prior to commencement of on-site work. The traffic control and staging plan shall include delineation of the Contractor’s proposed staging areas, vehicular site access points, designated worker parking, construction fencing, and any locations where partial or full closure of a traffic lane or parking area is required. The plan shall include methods for landscape protection from construction vehicle travel.

7. CONFINED SPACE ENTRY AND SAFETY

Anyone entering the dry well structure must conform to all California Code of Regulations (CCR) Title 8 and Cal/OSHA requirements for “Confined Space Entry” equipment and permitting.

8. DUST CONTROL

Dust control shall conform to the conditions of Section 14-9.03 of the Caltrans Standard Specifications and the following Special Conditions.

No dust palliatives will be permitted on this project. Full compensation for dust control required shall be considered as included in the various bid items and no additional compensation will be allowed therefore. A water truck shall be kept onsite at all times during construction for dust control and cleaning at the direction of the Engineer or Inspector.

9. PER CAPITA PROGRAM FUNDING - REQUIRED SIGNAGE

(a) Bond Act Sign

A sign acknowledging the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access for All Act of 2018 as the funding source for the project must be installed during construction and at completion (PRC §80001(b)(3)). If appropriate, the same sign can be used during construction and completion.

(b) Sign Requirements

The sign must be available during construction, at the final inspection of the PROJECT, and remain in place for a minimum of four (4) years from date of PROJECT completion. There is no minimum or maximum size other than the minimum size for the logo, as long as the sign contains the required wording.

(c) Sign Language

All signs must contain the following language: GAVIN NEWSOM, GOVERNOR Wade Crowfoot, Secretary for Natural Resources Armando Quintero, Director, California Department of Parks and Recreation Use the names of the current officials. The name of the director of the local agency or

SPECIAL CONDITIONS

other governing body may be added. The sign may also include names (and/or logos) of other partners, organizations, individuals, and elected representatives.

(d) Logo

All signs must display the Parks and Water Bond Act logo (shown on the cover of this guide). Display the logo to maximize visibility and durability. Download the logo at <http://resources.ca.gov/grants/logo-art/>. The logo must measure a minimum of 24" tall. Exceptions may be approved, when appropriate, at OGALS' discretion.

(e) Sign Construction

All materials used shall be durable and resistant to the elements and graffiti.

(f) Sign Cost

The cost of the sign(s) is an eligible PROJECT cost. Permanent signage is encouraged.

(g) Appropriateness of Signs

For projects where the required sign may be out of place or affected by local sign ordinances, OGALS may authorize a sign that is more appropriate to the project.

(h) State Approval

GRANTEE shall submit the proposed number, locations, size, and language of signs for preliminary review. Final payments will not be processed until post completion signage has been approved and installed.

Technical Specifications

Section 01200

MEASUREMENT AND PAYMENT

PART 1: GENERAL

1.1 SECTION INCLUDES

- A. Measurements of the completed work in accordance with, and by instruments and devices calibrated to United States Standard Measures and the units of measurement for payment, and the limits thereof, shall be made as shown on the Plans, Specifications, General Conditions, and Special Conditions.

1.2 METHODS OF MEASUREMENT

- A. Payment for the various items of work shall include full compensation for the furnishing of all overhead, labor, material, tools, equipment, and appurtenances necessary to complete the work as indicated on the Drawings and as specified.
 - 1. Each item shall be complete with all necessary connections and appurtenances for the satisfactory use and operation of said item.
 - 2. All connections, testing, cleanup, and related work must be completed to provide a complete operable system.
 - 3. No additional payment will be made for work related to each item unless specifically noted or specified.
 - 4. Measurement will be for in-place completed work with no allowance for waste.
- B. Quantities of material wasted or disposed of in a manner not called for under the Contract; or rejected loads of material, including material rejected after it has been placed by reason of failure of the CONTRACTOR to conform to the provisions of the Contract; or material not unloaded from the transporting vehicle; or material placed outside the lines indicated on the plans or given by the City Engineer; or material remaining on hand after completion of the Contract, will not be paid for and such quantities will be deducted from the final total quantities. No compensation will be allowed for hauling rejected material.

1.3 BID ITEMS

- A. Bid items are not intended to be exclusive descriptions of work categories and the CONTRACTOR shall determine and include in its pricing all materials, labor, and equipment necessary to complete each Bid Item as shown and specified.
- B. The Total Amount bid includes the summation of Bid Items and represents the total price bid to complete the work as shown on the Drawings and as specified.
- C. Payment shall be made in accordance with the General Conditions and the following items of work described in these Technical Specifications.

- D. Payments for all bid items that will be paid on a lump sum basis will be based on percent complete.
- E. The contract lump sum price paid for each bid item will include full compensation for furnishing all the labor, materials, tools, equipment and incidentals for doing all the work involved, complete and in place, all as specified in the Standard Specifications, these Technical Specifications, and as directed by the Engineer, and no additional compensation will be allowed.

Bid Item No. 1 Mobilization and Demobilization

- A. Units: Lump Sum (LS)
- B. Measurement: Partial payment based on Engineer's determination
- C. Payment: Payment includes full compensation for all work required to complete the contract requirements for Mobilization and Demobilization.
- D. Scope of Bid Item: Mobilization and Demobilization includes, but is not limited to the following:
 - 1. Mobilization of labor, materials, tools, equipment, personnel, supplies, machinery, and incidentals to job site
 - 2. Securing and preparing staging areas
 - 3. Obtaining permits, licenses, insurance and bonds required
 - 4. Project submittals
 - 5. Material and Product submittals
 - 6. Site security and construction safety
 - 7. Implementation of Best Management Practices (BMPs)
 - 8. Dewatering if necessary
 - 9. De-mobilization, site restoration, and final clean-up
- E. All other incidental work necessary to complete Mobilization and Demobilization in accordance with the Contract Documents.
- F. The retention of funds provisions in General Conditions and the Special Conditions and as allowed by the California Public Contract Code, shall apply to the contract unit prices for the item of Mobilization and Demobilization.
 - 1. Payment
 - a) This bid item is limited to a maximum amount of five percent of the Bid Price. Payment for 50% of mobilization and demobilization shall be made at the time of the first progress payment after the CONTRACTOR has purchased bonds and insurance.
 - b) The remaining 50% shall be made at the time of the final progress payment.

Bid Item No. 2 Water Pollution Control Plan

- A. Units: Lump Sum (LS)
- B. Measurement: Partial payment based on Engineer's determination.

- C. Payment: Payment includes full compensation for all work and materials required to complete the contract requirements for Water Pollution Control Plan.
- D. Scope of Bid Item: for Water Pollution Control Plan includes, but is not limited to the following:
 - 1. Cutting asphalt, trenching, hauling, and storing of material.
- E. All other incidental work necessary to complete for Water Pollution Control Plan in accordance with the Contract Documents.

Bid Item No. 3 Demolition, Clearing & Grubbing

- A. Units: Lump Sum (LS)
- B. Measurement: Partial payment based on Engineer's determination
- C. Payment: Payment includes full compensation for all work required to complete the contract requirements for Demolition, Clearing & Grubbing.
- D. Scope of Bid Item: for Demolition, Clearing & Grubbing includes, but is not limited to the following:
 - 1. Demolition/Removal of existing facilities as designated.
 - 2. Clearing throughout the project site, including but not limited to areas upon which facilities, structures, landscaping or fill will be placed.
 - 3. Grubbing, removing tree roots, pruning tree roots.
 - 4. Coordination with City Contracted arborist.
- E. All other incidental work necessary to complete for Demolition, Clearing & Grubbing in accordance with the Contract Documents.

Bid Item No. 4 Recreational Equipment

- A. Units: Lump Sum (LS)
- B. Measurement: Partial payment based on Engineer's determination.
- C. Payment: Payment includes full compensation for all work required to complete the contract requirements for Recreational Equipment.
- D. Scope of Bid Item: for Recreational Equipment includes, but is not limited to the following:
 - 1. Furnish and installation of Tennis nets, tennis net posts, basketball hoop, basketball goal, tennis rebound wall, tennis court windbreakers and all equipment or parts necessary.
- E. All other incidental work necessary to complete for Recreational Equipment in accordance with the Contract Documents.

Bid Item No. 5 Replace Existing Electrical Panel and Lighting Timer

- A. Units: Lump Sum (LS)
- B. Measurement: Partial payment based on Engineer's determination
- C. Payment: Payment includes full compensation for all work required to complete the

contract requirements for Replace Existing Electrical Panel and Lighting Timer.

- D. Scope of Bid Item: for Replace Existing Electrical Panel and Lighting Timer includes, but is not limited to the following:
 - 1. Preparation, submittal, permitting, and approval of electrical plans.
 - 2. Removal and disposal of existing electrical panel and lighting timer.
 - 3. Furnishing and installation of electrical panel and lighting timer.
- E. All other incidental work necessary to complete for Replace Existing Electrical Panel and Lighting Timer in accordance with the Contract Documents.

Bid Item No. 6 Regrade Existing Subgrade/Surface Pavement

- F. Units: Square Yard (SY)
- G. Measurement: Partial payment based on Engineer's determination
- H. Payment: Payment includes full compensation for all work required to complete the contract requirements for Regrade Existing Subgrade/Surface Pavement.
- I. Scope of Bid Item: for Regrade Existing Subgrade/Surface Pavement includes, but is not limited to the following:
 - 1. Excavation required to remove roots or other deleterious material within existing subgrade in Section B.
 - 2. Addition Class 2 aggregate base required to fill voids, and fine grade.
 - 3. Saw cutting and removal of all existing surface pavement.
 - 4. Regrading existing subgrade and fill to meet specifications.
- J. All other incidental work necessary to complete for Regrade Existing Subgrade/Surface Pavement in accordance with the Contract Documents.

Bid Item No. 7 3-inch HMA

- A. Ton (TON)
- B. Measurement: Partial payment based on Engineer's determination.
- C. Payment: Payment includes full compensation for all work and materials required to complete the contract requirements for 3-inch HMA.
- D. Scope of Bid Item: for 3-inch HMA includes, but is not limited to the following:
 - 1. Preparation, and installation of 3-inch HMA.
 - 2. Installation of Root Barrier during paving process.
 - 3. Installing 3" HMA per specifications.
- E. All other incidental work necessary to complete for 3-inch HMA in accordance with the Contract Documents.

Bid Item No. 8 Court Paint

- A. Units: Square Feet (SF)
- B. Measurement: Partial payment based on Engineer's determination.
- C. Payment: Payment includes full compensation for all work and materials required to

complete the contract requirements for Court Paint.

- D. Scope of Bid Item: for Court Paint includes, but is not limited to the following:
 - 1. Preparation of paved surface, and application of court paint per specifications.
- E. All other incidental work necessary to complete for Court Paint in accordance with the Contract Documents.

Bid Item No. 9 2-inch White Striping

- A. Units: Linear Feet (LF)
- B. Measurement: Partial payment based on Engineer's determination.
- C. Payment: Payment includes full compensation for all work required to complete the contract requirements for 2-inch White Striping.
- D. Scope of Bid Item: for 2-inch White Striping includes, but is not limited to the following:
 - 1. Preparation of surface for striping.
 - 2. Installation of white striping.
- E. All other incidental work necessary to complete for 2-inch White Striping in accordance with the Contract Documents.

Bid Item No. 10 Benches

- A. Units: Each (EA)
- B. Measurement: Partial payment based on Engineer's determination.
- C. Payment: Payment includes full compensation for all work required to complete the contract requirements for Benches.
- D. Scope of Bid Item: for Benches includes, but is not limited to the following:
 - 1. Furnish and installation of benches and skate stoppers.
- E. All other incidental work necessary to complete for Benches in accordance with the Contract Documents.

4.0 CONTRACTOR'S COST BREAKDOWN

- A. For work to be performed for a lump sum amount, the Contractor shall submit a cost breakdown and schedule of values to the City Engineer prior to the first payment and within ten (10) days after Notice to Proceed. The cost breakdown, as agreed upon by the Contractor and the City Engineer, shall be used for preparing future estimates for partial payments to the Contractor, and shall list the major items of work with a price fairly apportioned to each item. If there is not a separate Bid Item for MOBILIZATION/DEMobilIZATION, then mobilization, demobilization, overhead, bond, insurance, other general costs and profit shall be prorated to each item so that the total of the prices for all items equal the lump sum price. At the discretion of the City Engineer, mobilization, bond and insurance costs may be provided for separately if accompanied by invoices to verify actual expenses.
- B. The cost breakdown shall be generally in the same format as the Contract specifications divisions and subdivisions or Caltrans Standards for items not in the contract

specifications, with major items of work listed individually. The cost breakdown shall be by structure, civil, mechanical, electrical, landscaping, or other logical division of work. The cost breakdown for architectural, structural, mechanical, and electrical work shall include separate items for identifiable portions of the structures. The cost breakdown shall include separate allowances for any testing and startup work required. Measurable approximate quantities of work performed by the Contractor or its subcontractors shall be provided. For quantities that are the sum total of several individual quantities, backup summaries shall be provided which list the individual descriptions and quantities. These summaries then will be used to determine the quantities of work in place in subsequent progress payment requests.

- C. The above is a statement of the intent of the Contract Documents to provide a high level of detail, acceptable to the City Engineer, to allow a fair and reasonable estimate to be made of the value of work installed. The detail of the cost breakdown must be sufficient to provide timely processing of the monthly progress payment request.
- D. The cost breakdown will be subject to the approval of the City Engineer, and upon request, the Contractor shall substantiate the price for any or all items and provide additional level of detail, including quantities of work. The cost breakdown shall be sufficiently detailed to permit its use by the City Engineer as one of the bases for evaluating requests for payments. The City Engineer shall be the sole judge of the adequacy of the cost breakdown.
- E. The cost breakdown shall be solely used to determine progress payments. The cost breakdown shall not be considered in determining payment or credit for additional or deleted work.

PART 2: MATERIALS – Not Used

PART 3: EXECUTION – Not Used

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

Section 01300

SUBMITTALS

PART 1: GENERAL

1.1 DESCRIPTION

- A. Submittals covered by these requirements include manufacturers' information, shop drawings, test procedures, test results, samples, and requests for substitutions, confined space entry and safety plan and miscellaneous work-related submittals. Submittals shall also include, but not be limited to, all mechanical, electrical and electronic equipment and systems, materials, fabricated items, detailed piping layout drawings, and conduit/wire mount details. The Contractor shall furnish all drawings, specifications, descriptive data, certificates, samples, tests, methods, schedules, and manufacturer's installation and other instructions as specifically required in the contract documents to demonstrate fully that the materials and equipment to be furnished and the methods of work comply with the provisions and intent of the Contract Documents.

1.2 RELATED WORK SPECIFIED ELSEWHERE

1.3 SUBMITTAL PROCEDURE

- A. The Contractor shall prepare and submit to the Owner within fourteen (14) calendar days after the date of the Notice to Proceed a complete list of shop drawings and material submittals intended to be delivered. No payment will be made to the Contractor until this list is reviewed and found acceptable to the Owner and the Resident Engineer.
- B. At least fourteen (14) calendar days prior to the need for approval, the Contractor shall forward to the Engineer all submittals required by the individual sections of the specifications. Unless a different number is called for in the individual sections, submit one electronic copy of each shop drawing.

The Engineer may require that the Contractor submit a legible reproducible print for the Contractor's use in lieu of multiple prints of a single drawing.

- C. Identify all submittals including schedules and operation and maintenance manuals on the transmittal form as included in this Section. Obtain an electronic or original copy from the Engineer. Submittals must include submittal number, specification section, plan page reference number (where applicable), the supplier, etc. The Contractor shall also indicate under "Remarks", if the submittal is on the critical path and requires an expedited review. If the Contractor desires more than an electronic copy, he shall transfer the Engineer's comments onto additional copies at his own expense.
- D. Submittals that are related to or affect each other shall be forwarded simultaneously as a package to facilitate coordinated review. Uncoordinated submittals will be rejected. Do not combine unrelated materials in the same submittal.
- E. Submittals of or equal products shall be accompanied by product information of the recommended product and any differences shall be noted by the contractor.
- F. The Engineer reserves the right to require submittals in addition to those called for in

individual sections.

- G. A copy of the specification section, and all referenced and applicable sections, with any addendum updates included, shall be submitted with each paragraph check-marked to indicated specification compliance or marked to indicate requested deviations from specification requirements. Check marks (✓) shall denote full compliance with a paragraph as a whole. If deviations from the specifications are indicated, and therefore requested by the Contractor, each deviation shall be underlined and denoted by a number in the margin to the right of the identified paragraph. The remaining portions of the paragraph not underlined will signify compliance on the part of the Contractor with the specifications. The submittal shall be accompanied by a detailed, written justification for each deviation. Failure to include a copy for the marked-up specification sections, along with justification(s) for any requested deviations to the specification requirements, with the submittal shall be sufficient cause for rejection of the entire submittal with no further consideration.

1.4 SHOP DRAWINGS

- A. The term "shop drawings" includes drawings, diagrams, layouts, schematics, descriptive literature, illustrations, schedules, performance and test data, and similar materials furnished by the Contractor to explain in detail specific portions of the work required by the Contract.
- B. The Contractor shall coordinate all such drawings, and review them for legibility, accuracy, completeness, and compliance with contract requirements, and shall indicate his approval thereon as evidence of such coordination and review. Shop drawings submitted to the Engineer without evidence of the Contractor's approval will be returned for resubmission.
- C. Approval by the Engineer shall not relieve the Contractor from responsibility for any errors or omissions in such drawings, nor from responsibility for complying with requirements of this Contract, except with respect to variations described and approved in accordance with Paragraph D below.
- D. If shop drawings show variations from contract requirements, the Contractor shall describe such variations in writing, separate from the drawings, at time of submission. All such variations must be approved by the Engineer.

1.5 ENGINEER'S REVIEW

- A. The Engineer will indicate his acceptance or rejection of each submittal, and his reasons for disapproval.
 - 1. If no corrections are required, the copies will be returned marked "No Exceptions Taken" and work may begin immediately on incorporating the material and equipment covered by the submittal into the project.
 - 2. If limited corrections are required, the copies will be returned marked "Furnish as Noted". Work may begin immediately on incorporating the material and equipment covered by the corrected submittal into the project.
 - 3. If insufficient or incorrect data has been submitted, the copies will be returned

marked "Amend and Submit". No work incorporating the material and equipment covered by this submittal into the project may begin until the submittal has been revised, resubmitted, and returned marked either "No Exceptions Taken" or "Furnish as Noted".

4. If the submittal is unacceptable, the copies will be returned marked "Rejected". No work incorporating the material and equipment covered by this submittal into the project may begin until a new submittal has been made and returned marked either "No Exceptions Taken" or "Furnish as Noted".
- B. The Contractor shall not change any drawing after it has been marked No Exceptions Taken or Furnish as Noted or change any approved equipment or material without written permission of the Engineer. The Contractor shall comply with all submittals as marked by the Engineer, to the extent applicable.
- C. If more than two (2) submittals for a single item are required because of incorrect or insufficient data, or the submittal is unacceptable, or because the Contractor wishes to change previously approved material, then all costs incurred by the Owner for the additional review shall be deducted from monies due the Contractor.

1.6 MOBILIZATION PLAN AND STAGING AREAS

- A. The Contractor shall submit the proposed plan for equipment mobilization and the location and preparation of vehicle zones in the Project Plan for approval and shall coordinate project mobilization with the Engineer.
- B. Onsite staging and loading areas; vehicle access and waiting zones; and construction equipment parking at the project site shall be limited to designated areas and specific Work tasks subject to approval by the Engineer.
- C. Prior to mobilization, the Contractor shall submit to the Engineer a list of the names and contact information for key and responsible personnel that will be conducting the Work.

1.7 CERTIFICATES

For those items called for in individual sections, furnish certificates from manufacturers, suppliers, or others certifying that materials or equipment being furnished under the Contract comply with the requirements of these specifications.

1.8 SAMPLES

Samples shall be of sufficient size to clearly illustrate functional characteristics and full range of color, texture, and pattern. A completed submittal review transmittal form must accompany each submitted sample.

1.9 CONSTRUCTION SCHEDULE

As soon as possible after receiving Notice of Award and before any work starts, submit electronic copy of a Construction Schedule showing estimated starting

and completion dates for each part of the work. The first progress payment will not be issued until the progress schedule is submitted and approved.

1.10 PROGRESS PAYMENTS

At the end of each month and at the end of the project, the Contractor shall submit a progress payment invoice to the Engineer detailing the work completed. Such payment invoice shall be in a format acceptable to the City and shall include an invoice of the current payment due and any other data necessary to support the Contractor's Progress Payment request by the Engineer. The Engineer will recommend the invoiced payment request to the City for payment after satisfactory review of the reported bid items quantities and supporting information. The Contractor shall submit the payment invoice with the Engineers' recommendation, and other documents required by the City, such as California Labor Code Section 1776 certified payroll reports, to the City for additional review and payment.

1.11 REVIEW OF SCHEDULES

Construction Schedule shall be subject to review by Engineer both for format and content.

PART 2: MATERIALS - NOT USED

PART 3: EXECUTION

3.01 CONTRACTOR'S JOBSITE DRAWINGS

Provide and maintain on the jobsite one complete set of prints of all drawings which form a part of the contract. Immediately after each portion of the work is installed, indicate all deviations from the original design shown on the drawings either by additional sketches or ink thereon. Upon completion of the project, deliver this record set to the Engineer.

A condition of the processing of Progress Payments shall be the satisfactory maintenance of the Contractor's Record Documents, as determined by the Engineer. The Contractor prepared progress payment estimates shall include an initial block for Contractor Representative and Owner's Representative to acknowledge the satisfactory maintenance of the documents.

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

SUBMITTAL TRANSMITTAL

Submittal Description: _____

Priority Level: ☐ Low ☐ Medium ☐ High ☐ On Critical Path

Submittal No.	
<input type="checkbox"/> 1st Submission	<input type="checkbox"/> Re-Submittal
Spec Section	
Dwg/Detail No.	

Owner: City of Gridley	Routing	Date Sent	Date Received
	Contractor/CM		
Project: Manuel Vierra Park - Tennis Court Rehabilitation	CM/Design Consultant		
	Design Consultant/CM		
Contractor:	CM/Contractor		

We are sending you: ☐ Attached ☐ Under separate cover via _____
☐ Submittals for review and comment Remarks: _____
☐ Product Data for information only _____

No. Copies	Description	Manufacturer	Reviewer Action	Reviewer Initials

The Action Designated Above is in Accordance with the Following Legend:

- A – No Exceptions Taken
- B – Furnish as Noted
- C – Amend and Submit
- D – Rejected
- E – Design Consultant's review not required

CONTRACTOR: Must certify one of the following statements pertaining to the transmittal or submittal sent for review:

- ☐ As the General Contractor for this project we certify that the material or equipment contained in this submittal meets all the requirements, including coordination with all related work specified (no exceptions)
- ☐ As the General Contractor for this project we certify that the material or equipment contained in this submittal meets all the requirements specified except for the attached deviations.

Comments: _____

Certified by: _____
(Contractor's Signature)

Section 02100

DEMOLITION, CLEARING, AND GRUBBING

PART 1: GENERAL

1.01 DESCRIPTION

Work Included: Demolition, clearing, grubbing, and stripping required for this work includes, but is not necessarily limited to:

- A. Removal of tree roots, and tree debris.
- B. Removal of surface rock and all debris.
- C. Removal of existing HMA.
- D. Removal of Existing Recreational Equipment.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Section 02200: Earthwork
- B. Section 02223: Trenching, Backfilling, and Compacting
- C. Arborist Report with Root Management BMP

1.03 LIMITS OF WORK

Perform demolition, clearing, grubbing, and stripping operations to the following limits:

- A. Limits for demolition, clearing, and grubbing shall comply with the contract drawings and the arborist report and BMPs attached.
- B. Demolition: Perform demolition of existing facilities as designated on the contract drawings.
- C. Clearing: Perform clearing operations throughout the project site, including, but not limited to, areas upon which facilities, roadways, structures, landscaping or structural fill will be placed, and all borrow sites.
- D. Grubbing: Perform grubbing operations in Section B and only as directed by the City Contracted Arborist in Section A.

1.04 CLEARING

Remove and dispose of trees, snags, stumps, shrubs, brush, limbs, and other vegetative growth to the limits defined in Section 1.03. Remove all evidence of branches greater than 1-inch in diameter of thickness. Remove and dispose of trash piles and rubbish. Protect structures and piping above and below ground, trees,

shrubs, and vegetative growth and fencing which are not designated for removal or which exist outside project limits.

1.05 GRUBBING

After clearing, remove and dispose of wood or root matter, including stumps, trunks, roots, or root systems greater than 1-inch in diameter to the limits defined in Section 1.03.

1.06 NOT USED

1.07 QUALITY ASSURANCE

- A. Qualifications of Workmen: Provide at least one person who shall be present at all times during tree clearing and grubbing operations and who shall be thoroughly familiar with the types of trees involved and who shall direct the trimming of roots and limbs where required.
- B. Codes and Standards: In addition to complying with all pertinent codes and regulations comply with the requirements of those insurance carriers providing coverage for this work.

1.08 JOB CONDITIONS

- A. Dust Control: Use all means necessary to prevent the spread of dust during performance of the work; thoroughly moisten all surfaces as required to prevent dust being a nuisance to the public, neighbors, and concurrent performance of other work on the site. Wind in excess of 10 MPH causing dust to leave site will require Contractor to limit dust causing activities.
- B. Burning: On-site burning will not be permitted.
- C. Protection: Use all means necessary to protect existing objects designated to remain and, in the event of damage, immediately notify the Engineer and make all repairs and replacements necessary for approval by the Engineer at no additional cost to the Owner.

PART 2: MATERIALS

2.01 TEMPORARY BARRICADES

Unless otherwise specifically approved by the Engineer, use only new and solid lumber of utility grade or better to construct temporary barricades around the objects designated to remain.

2.02 PRUNING PAINT

Use only a pruning paint specially formulated for horticultural application to cut or damaged plant tissue and approved by the Engineer for use on this work. See attached arborist report.

2.03 EXPLOSIVES

Do not use explosives on this work.

2.04 OTHER MATERIALS

All other material not specifically described but required for proper completion of the work of this Section, shall be as selected by the Contractor subject to approval of the Engineer.

PART 3: EXECUTION

3.01 PREPARATION

- A. Notification: Notify the Engineer and City contracted arborist at least two full working days prior to commencing the work of this section.
- B. Site Inspection:
 - 1. Prior to all work of this section, carefully inspect the entire site and all objects designated to be removed and to be preserved.
 - 2. Locate all existing inactive utility lines to be encountered by the new work and determine all requirements for disconnecting and capping. Abandonment of piping requires capping at each end or plugging with concrete to the satisfaction of the Engineer.
 - 3. Locate all existing active utility lines traversing the site and determine the requirements for their protection.
- C. Clarification:
 - 1. The Drawings do not purport to show all objects existing on the site.
 - 2. Before commencing the work of this section, verify with the Engineer all objects to be removed and all objects to be preserved.
- D. Scheduling:
 - A. Schedule all work in a careful manner with all necessary consideration for neighbors, operation of existing facilities, and the public.
 - B. Avoid interference with the use of, and passage to and from, adjacent buildings and facilities.
 - C. Prior to grubbing, root removal or root pruning schedule a video conference/site visit with the City contracted arborist once existing pavement surface has been removed.
- E. Disconnection of Utilities: Before starting site operations, disconnect or arrange for the disconnection of all utility services designated to be removed, performing

all such work in accordance with the requirements of the utility company or Owner involved.

- F. Protection of Utilities: Preserve in operating condition all active utilities traversing the site and designated to remain.

3.02 NOT USED

3.03 COURT DEMOLITION

- A. Where shown on the contract drawings, the Contractor shall remove entire structural section as needed to remove roots and deleterious material (Section B), or remove only the existing pavement section (Section A).
- B. Asphalt concrete, concrete curb, and gutter materials to be demolished shall be removed from the site by the Contractor at no additional cost to the Owner.
- C. Recreational equipment shall be removed per the Plans, holes or voids shall be backfilled with Class 2 Aggregate Base.

3.04 NOT USED

3.05 CLEARING AND GRUBBING

- A. Area to be Cleared and Grubbed:
 - 1. The Contractor shall restrict clearing and grubbing to the areas designated for new construction or adjustment of grades on the plans. Surrounding trees shall be protected from damage.
 - 2. Where limbs or roots of trees designated to remain extend into work areas, the limbs or roots shall be trimmed in accordance with the provisions of this section and the attached arborist report.
- B. Trimming of Trees:
 - 1. In company with the City contracted arborist, ascertain the limbs and roots which are to be trimmed and clearly mark them to designate the approved point of cutting.
 - 2. Cut evenly, using proper tools and skilled workmen to achieve neat severance with the least possible damage to the tree.
 - 3. Promptly coat the cut area with the approved pruning paint in strict accordance with the manufacturer's recommendations.
 - 4. In the case of root cuts, apply wet burlap or other protection approved by the Engineer, as required, to prevent drying out.

D. Grubbing:

Remove all surface rocks and all stumps, roots, and vegetation within the limits of Section B as designated on the Contract drawings. Roots within Section B shall be removed to at least 0.5 feet below proposed finish grade. Follow City contracted arborist recommendations for grubbing within Section A.

3.06 NOT USED

3.07 CONSTRUCTION OF BARRICADES

A. Layout:

1. At all trees designated to be preserved, construct a temporary barricade around the tree at the tree's approximate drip line, per the provided arborist tree report.
2. Construct barricades at least three feet high, consisting of two inch by four inch or larger posts set at least 18 inches into the ground at not more than six feet on centers, joined at the top by one inch by six inch or larger boards firmly nailed to the posts. Metal post with orange safety fencing may also be used if allowed by the local Owner having jurisdiction.

B. Protection:

1. Do not permit stockpiling of materials or debris within the barricaded area nor permit the earth surface to be changed in any way except as specifically approved by the Engineer.

C. Maintenance: All protective fencing shall be inspected and maintained by the contractor at weekly intervals. Any damaged fencing shall be restored within one week.

D. Removal of Barricades: All protective fencing including posts and fabric shall be removed from the site at the completion of the work at the Contractor's expense.

3.08 REMOVAL OF DEBRIS

- A. Removal shall include off haul of all debris from the site. Leave the site in a neat and orderly condition to the approval of the Engineer. Dispose of debris off site at a location in accordance with disposal regulations.
- B. Removal of demolished materials shall be included in the applicable lump sum base bid item and shall not be paid on a unit cost basis.

END OF SECTION

Section 02510 PAVING AND SURFACING

PART 1: GENERAL

1.1 SECTION INCLUDES

- A. Contractor furnished labor, materials, equipment, and incidentals necessary to construct paving shown on the Plans, and/or specified herein. The work shall include, but not necessarily be limited to, scarifying and preparing the subgrade, placing and compacting engineered fill materials, placing and compacting Class 2 aggregate base, applying paint binder, placing and compacting asphalt concrete, and all related work.

1.2 REFERENCED SECTIONS

- A. The following Sections are referenced in this Section
1. Section 01300: Submittals

1.3 SUBMITTALS

- A. Contractor shall submit the following information:
1. Manufacturer's Data or Certificate of Compliance
 - a. Aggregate base
 - b. Prime coat and paint binder
 - c. Asphalt concrete
 - d. Independent test laboratory name
 2. Certificate of compliance
 - a. A certificate of compliance signed by the manufacturer shall be furnished prior to the use of any asphalt materials.
 - b. The certificate shall state that the material complies with the requirements of these Specifications.
 - c. A certificate shall be furnished with each lot of material delivered to the site; the material provided shall be clearly identified in the certificate.
 - d. Certificates of compliance shall be provided for each type of asphalt product used.

1.4 REFERENCE PUBLICATIONS

Reference	Title
ASTM D2922	Density of Soil and Soil Aggregate in Place by Nuclear Methods
ASTM D3017	Moisture Content of Soil and Soil Aggregate Place by Nuclear Methods

PART 2: MATERIALS

2.1 CLASS 2 AGGREGATE BASE

- A. Class 2 aggregate base shall meet all requirements of the most recent edition of Caltrans Standard Specification for ¾-inch maximum grading.

2.2 HOT MIX ASPHALT

- A. Asphalt concrete shall meet the requirements of the most recent Caltrans Standard Specification for Type A Hot Mix Asphalt (1/2-inch maximum aggregate, medium grading).
- B. The asphalt to be mixed with the aggregate shall meet the section of the most recent Caltrans Standard Specification Section for PG 64-10 paving asphalt.

2.3 HEADER BOARD

- A. Composite of recycled wood and plastic fibers.

2.4 ROOT BARRIER

- A. Root Barrier shall be a minimum of 18" deep and shall be made of nylon fabric, geotextile fabric or plastic panels.
- B. The root barrier shall be submitted to the City Engineer and approved by the City contracted arborist.

PART 3: EXECUTION

3.1 FINAL GRADING

- A. The final grade of the hot mix asphalt shall be graded on a single plane from end to end, side to side or corner to corner at a minimum slope of 0.83% and a maximum slope of 1.00%. There shall be no depressions allowing for ponding of water.

3.2 COMPACTION OF SUBGRADE

- A. All the subgrade material underlying asphalt concrete surfacing shall be filled per these specifications and compacted to a relative compaction of not less than ninety-five percent (95%).

3.3 CLASS 2 AGGREGATE BASE

- A. Class 2 aggregate base shall be placed as needed to maintain a minimum thickness of 8-inches to obtain appropriate compaction and slope per Section 3.1. Placement, moisturizing, spreading, and compaction of Class 2 aggregate base shall meet all requirements of the most recent edition of Caltrans Standard Specification for Class 2 Aggregate Base.

3.4 HOT MIX ASPHALT

- A. Asphalt concrete shall be placed where indicated on the Plans to a total thickness as shown on the plans. Storing, proportioning, mixing, equipment, spreading, compacting, and miscellaneous asphalt concrete shall conform to the requirements of the most recent edition of Caltrans Standard Specifications.

3.5 HEADER BOARD

- A. A header board shall be placed at all limits of paving not abutting a concrete structure. The header shall be attached to 12-inch plastic stakes at three feet on center with metal screws.

3.6 ROOT BARRIER

- A. Root Barrier shall be centered vertically on the roots that it is creating a barrier to, and shall be set ½" below finished grade.
- B. Distance between root barrier and trees shall be as determined by the City contracted arborist or the Contract drawings, whichever is more conservative.

3.7 TESTING

- A. The Construction Manager will perform laboratory and the initial field testing for density, moisture, and compaction of the asphalt base. The Contractor shall pay for re-testing of locations failing to meet the specified compaction in the initial test. Test laboratory shall provide written reports on the following test methods:
- B. Moisture, density, and compaction shall be tested per ASTM D2922 and D3017.

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

Section 02790 TENNIS COURT SURFACING

PART 1: GENERAL

1.01 DESCRIPTION

This specification covers the application of a new wearing surface texture for Plexipave Tennis Courts or approved equal for tennis courts that have a sound, well drained base of adequate thickness and stability. Existing surfaces shall be properly sloped for good drainage, and free from cracks. The process consists of the repair or any minor depressions, followed by the application of the Plexipave System or an approved equal.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Section 01300: Submittals
- B. Section 02510: Paving and Road Surfacing

1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's product data, including surface preparation and application instructions.
- B. Samples: Submit manufacturer's color samples of color coating.
- C. Test Reports:
 - 1. Submit independent test results for solar reflectance index
 - 2. Submit independent test results for 2000 Hour ASTM G154 accelerated weathering UV test, to demonstrate long-term durability and fade resistance.
 - 3. Submit independent test results for 2000 Hour, accelerated weathering ASTM G155 Xenon Arc test, to demonstrate long-term fade resistance and quality of pigment.
- D. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- E. Warranty Documentation: Submit Manufacturer's standard warranty.

1.04 QUALITY ASSURANCE

- A. Manufacturer's Qualifications:
 - 1. Manufacturer regularly engaged, for past 5 years, in manufacture of asphalt tennis court surface color coating systems of similar type to that specified.
 - 2. United States owned company.
 - 3. Member: ASBA.
 - 4. Manufacturer has surfaces that are classified by the ITF's (International Tennis Federation) pace classification program.

B. Applicator's Qualifications:

1. Applicator regularly engaged, for past 3 years, in application of tennis court surface color coating systems of similar type to that specified.
2. Employ persons trained for application of tennis court surface color coating systems.
3. Applicator must be authorized installer of the surfacing brand used.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Delivery and Acceptance Requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Storage and Handling Requirements:

1. Store and handle materials in accordance with manufacturer's instructions.
2. Keep materials in manufacturer's original, unopened containers and packaging until application.
3. Store materials in clean, dry area indoors.
4. Store materials out of direct sunlight.
5. Keep materials from freezing.
6. Protect materials during storage, handling, and application to prevent contamination or damage.
7. Close containers when not in use.
8. Retain manufacturer batch codes on each container and application dates, for warranty purposes.

1.06 AMBIENT CONDITIONS

- A. Do not apply asphalt tennis court surface color coating system when air or surface temperatures are below 50°F (10°C) during application or within 24 hours after application.
- B. Do not apply asphalt tennis court surface color coating system when rain is expected during application or within 24 hours after application.

PART 2: MATERIALS

2.01 PLEXIPAVE COURT PATCH BINDER

Shall comply with Specification 10.21 of California Products Corporation.

2.02 PLEXIPATCH

Shall comply with Specification 10.21 of California Products Corporation.

2.03 ACRYLIC RESURFACER

Shall comply with Specification 10.8 of California Products Corporation.

2.04 PLEXIPAVE COLOR BASE

Shall conform to Specification 10.5 of California Products Corporation.

2.05 PLEXICHROME

Shall conform to Specification 10.1 of California Products Corporation.

2.06 PLEXICOLOR LINE PAINT

Shall conform to Specification 10.4 of California Products Corporation.

2.07 WATER

The water used in all mixtures shall be fresh and potable.

PART 3: EXECUTION

3.01 SURFACE PREPARATION

The surface to be coated must be sound, smooth, and free from dust, dirt or oily materials. Prior to application of surfacing materials, the entire surface should be flooded, checked for minor depressions or irregularities. Any puddled area covering a nickel shall be marked and repaired with Court Patch Binder using the following mix:

100 lbs 60-80 mesh silica sand (dry)

3 gallons Plexipave Court Patch Binder

1 to 2 gallons Portland Cement (dry) depending on humidity and temperature)

Tack coat consisting of 1 part Court Patch Binder and 2 parts water shall be applied to the patch areas and allowed to dry thoroughly prior to patching. For more information see California Products Corporation (CPC) Specification 10.14 or 10.21.

After patching, the surface shall not vary more than 1/8 inch in ten feet measured in any direction.

3.02 ACRYLIC SURFACE PREPARATION

In order to provide a smooth, dense underlayment for the Plexipave system, one application of California Acyclic Resurface shall be applied to the surface to obtain a coverage of 15-20 square yards per gallon (0.07 – 0.05 gallons per square yard). No application shall be covered by a succeeding application until thoroughly cured. Dilution with water and sand is required utilizing the following mix:

Acrylic Resurfacer 55 gallons

Water (Clean and Potable) 20-40 gallons

Sand (45-60 Mesh) 600-900 lbs

Liquid Yield 112-138 gallons

3.03 FORTIFIED PLEXIPAVE

Fortified Plexipave shall be applied by rubber bladed squeegee on the clean, dry surface in 3 applications to obtain a total quantity of not less than 0.15 nor more than 0.23 gallons per square yard of area, based on the material prior to any dilution. No application shall be covered by a succeeding application until thoroughly cured.

Fortified Plexipave can be job mixed as follows:

Plexipave Color Base	30 gallons
Plexichrome	20 gallons
Water	20 gallons

The diluted material shall be homogenous. Segregation before or during application will not be permitted.

The finished surface shall have a uniform appearance and be free from ridges and tool marks.

3.04 PLAYING LINES

Four hours minimum after completion of the color resurfacing, 2-inch wide playing lines shall be accurately located, marked, and painted with Plexicolor Line Paint as specified by US Tennis Association.

4.00 LIMITATIONS

No part of the construction involving the Plexipave system shall be conducted during rainfall, or when rainfall is imminent. The air temperature must be at least 50° F and rising. Do not apply when surface temperature is above 140°F. The Plexipave System will not prevent surface or structural cracks from reoccurring.

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

Section 16200

ELECTRICAL EQUIPMENT

PART 1: GENERAL

1.01 DESCRIPTION

Work Included: Replacement of existing electrical equipment, but is not necessarily limited to:

- A. Replacing the existing electrical panel
- B. Replacing the lighting timer

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Section 01300: Submittals

1.03 LIMITS OF WORK

Perform replacement of existing electrical equipment to the following limits:

- A. Perform installation of existing electrical equipment according to Plans, Specifications, and Manufacturer's Installation Recommendations.

1.04 QUALITY ASSURANCE

- A. Qualifications of Workmen: Provide at least one licensed person who shall be present at all times during replacement of existing electrical equipment.
- B. Codes and Standards: In addition to complying with all pertinent codes and regulations comply with the requirements of those insurance carriers providing coverage for this work.

PART 2: MATERIALS

2.01 EXISITING ELECTRICAL EQUIPMENT

A licensed C-10 contractor shall submit material specifications and a stamped one line electrical diagram for approval by the City Engineer.

PART 3: EXECUTION

3.01 PREPARATION

- A. The Contractor shall communicate with the City Electrical department to coordinate any power shut offs that may be required.

3.02 INSTALLATION

- A. The installation of electrical equipment and a lighting timer shall be in accordance with all manufacturer specifications, National Electrical Code, California Electrical Code and the City's Electrical code.

END OF SECTION

Section 17200

EXTERIOR COURT ATHLETIC EQUIPMENT

PART 1: GENERAL

1.01 DESCRIPTION

Work Included: Installation of exterior court athletic equipment, but is not necessarily limited to:

- A. Tennis/Pickleball Net
- B. Net Posts
- B. Basketball Court
- C. Tennis Backboard
- D. Players Benches
- E. Tennis Court Windbreakers

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Section 01300: Submittals
- B. Section 02510: Paving and Surfacing

1.03 LIMITS OF WORK

Perform installation of exterior court athletic equipment operations to the following limits:

- A. Perform installation of exterior court athletic equipment according to Plans, Specifications, and Manufacturer's Installation Recommendations.

1.04 QUALITY ASSURANCE

- A. Qualifications of Workmen: Provide at least one person who shall be present at all times during installation of exterior court athletic equipment.
- B. Codes and Standards: In addition to complying with all pertinent codes and regulations comply with the requirements of those insurance carriers providing coverage for this work.

PART 2: MATERIALS

2.01 TENNIS/PICKLEBALL NET

The tennis/pickleball net shall be 3.0 mm braided polyethylene net body, with 5 rows of double center mesh, a center strap and tapered center. The net shall have an 18 oz heavy duty vinyl coated headband, with 5/8" diameter fiberglass dowels and center strap. The net shall measure 42" tall and 42' in length.

2.02 NET POSTS

Net posts shall be 3" in outside diameter, round tubular and made of 11 gauge steel. The posts shall have aluminum caps with stainless steel fixing pins, integral lacing rods 3/16" welded to posts. They shall be rust protected inside and out and polyester powder coated. There shall be a brass internal winder with brass pulley, and a worm gear that will not recoil. The anchor end post shall have 2- 5/16" hooks welded for net cable and anchoring. Net posts shall be installed in Net post sleeves per the manufacturer's recommendation.

2.03 BASKETBALL GOAL

The basketball goal shall include the installation of a vertical pole, backboard, and rim.

The vertical pole shall be constructed of 4 1/2" outside diameter RS40 zinc coated steel tubing with a 7 gauge wall thickness. Design shall allow for 48" of bury into the ground and a 48" setback from the post to the backboard. Two 1" round galvanized tubular braces shall support the top corners of the backboard and connect directly to the pole. The pole shall be designed so that the rim mounts directly through the backboard to the horizontal extension to eliminate backboard stress during play. Pole systems where rim mounts to backboard only are not considered equal.

The backboard shall be 42"x72" rectangular white powder coated perforated aluminum. Skin shall be 10 gauge and rear support strap structure shall be 1/4". All formed corners and edges shall be fully welded and ground for safety. Backboard face shall be punched through with 3/8" holes except for 32" boarder and shooters square area. The backboard shall be coated with white powder coat. Backboard shall accept rims with a 5"x5" hole pattern.

The rim shall be standard fabricated from 3/16" backplates and sideplates fully welded. Rim shall be double 5/8" diameter, high strength steel welded together at a minimum of six places. Net shall be attached by means of a continuous netlocking system constructed of 3/16"x1" steel with punched slots that facilitate the use of either nylon or chain nets. The entire rim shall be powder coated orange.

2.04 TENNIS BACKBOARD

The tennis backboard shall be 8' in height and 12' in width with a minimum thickness of 1.25", with interior compartmentalized metal frame, and steel channels for horizontal supports. The backboard shall be encased in thick fiberglass and gel coat and coated with solar and impact resistant polyurethane paint (green). The panels shall come in widths of 4' and height of at least 8'.

2.05 PLAYERS BENCHES

The players benches shall be either 6 feet or 8 feet in length, with 12 inch wide seats. The benches shall be industrial grade plastic coated steel with a glossy UV-coated finish. Seats and backs shall have 2-3/8" OD black powder coated steel frames with corrosion resistant primer. The benches shall be either green, blue, or black and should be mounted in ground or surface mounted.

The players benches shall be installed with skateboard stoppers, that are to be mounted on the seat of the bench to prevent skateboarding on the bench surface. The part shall be designed to fit plastic coated steel metal benches.

2.06 TENNIS COURT WINDBREAKERS

The tennis court windbreakers shall be at a minimum of 6 feet in the vertical dimension and shall be wide enough to cover the entire length of the fence line to provide wind break on the courts. The windbreakers shall be made of Vinyl Coated Polyester with a tensile strength of 230 lbs. The fabric shall have four-ply sewn hems reinforced with 18 ounce vinyl tape and brass grommets shall be placed on maximum of 12 inch intervals.

PART 3: EXECUTION

3.01 PREPARATION

- A. Prepare site per Manufacturer's Installation Recommendations.

3.02 INSTALLATION

- A. Tennis/Pickleball Net: Install the net per manufacturer's installation guide, being careful not to overwind the net. Upon installation, adjust the net so that the height of the net in the center measures 36".
- B. Net Posts: Net posts shall be installed in net post sleeves per the manufacturer's recommendation. The net post shall be installed so that it measures 3.5 feet from finished surface to the top of the post, and 33 feet from the centerline of the post to the centerline of the singles court.

Anchor each post in a concrete footing that is approximately 3.5' deep and extends 6" below the bottom of the post, and the base shall be 18" in diameter. While pouring the concrete hold the ground sleeve in place with the plugged end down. Use a plumb line to set the sleeve pointing straight up. You may also set the net post into the sleeve and use a level.

- C. Basketball Goal: Basketball goal shall be assembled per Manufacturer's recommendation. Once assembled, the base of the pole shall be installed in a 48" deep by 20" diameter hole and backfilled with cement. Upon final installation the rim shall measure 120" from finished surface, the front of the backboard shall be 48" from the vertical pole.

- D. Tennis Backboard: Backboards shall attach to two tennis court fence posts spaced 10 ft apart, with the included assembly kit. If existing tennis court fence posts are not 10 ft apart, the same hardware may be used but will be exposed and not as aesthetically pleasing. Install per manufacturer's recommendations.
- E. Players benches: The benches shall be installed in ground or surface mounted per manufacturer's specifications. The benches shall have skateboard stoppers installed along the seats at 18-inch maximum intervals per manufacturer's specifications.
- F. Tennis Court Windbreakers: The tennis court windbreakers shall be installed so that a minimum of 6 feet of the vertical dimension of the fence is protected from wind. The windbreakers shall be installed so that the entirety of the fenced courts is protected by wind. There should be no gaps between sections of windbreakers except where it is not feasible on corners. The tennis court windbreakers shall be installed per manufacturer's specifications

END OF SECTION

Appendices

Appendix A
Arborist Report



California Tree and Landscape Consulting, Inc.

July 21, 2021

Mr. Ross Pippitt, Public Works Director
City of Gridley
685 Kentucky Street
Gridley, CA 95948

Dear Mr. Pippitt,

Thank you for the opportunity to provide arborist consulting services for the trees growing around the tennis courts and strategies for renovating the tennis courts and protecting the trees in Manuel Vierra Park, Gridley, CA.

SUMMARY

The tennis courts are located in an area where there are 5 Redwood Trees, 2 Valley Oaks, and 1 Hackberry in proximity of the courts, with the Redwoods along Washington Street being the closest to the courts. The intent is to stay as far away from the trees as possible. When that distance is not possible, I use the proximity of the distance from the trunk for root pruning from 3 to 6 times the dbh as the minimum for significant linear root pruning, based on the ISA Best Management Practices for root management, and other industry research. In this situation where we are using a pavement renovation for the tennis courts, I propose a 2-phase surface construction that: 1) will have a mostly permanent surface covering the entire courts and a distance 4' outward from the court border stripes; and 2) will have a more sacrificial surface between the 4' pavement and the fence. The design will allow the full court area inside the 4' from the court stripe to be fully excavated and paved, with placing root barrier outside the edge to prevent roots from damaging the new paving. If there are concerns about the roots growing under the barrier, a 6" section of BioBarrier, a chemical barrier can be placed along the bottom of the barrier to further reduce the likelihood of roots breaching the barrier. The smallest ratio of distance from trunk with the 4' distance from the court striping to dbh is 3-1/4. The surface from the root barrier to the fence will be constructed with less excavation where heavier roots are expected to be encountered and it does not seem practical to cut all those roots especially those roots near 3 times the trunk diameter distance. In the future, patching or maintenance may be needed in small parts of the sacrificial area, but the main courts should remain intact.

ASSIGNMENT

You contacted our office on May 7 and June 14, 2021 requesting an inspection and strategies to protect the trees growing around the tennis courts in Manuel Vierra Park in Gridley. You were

mostly concerned about the redwoods closest to the courts along Washington Street. We were able to schedule the site inspection in July, in advance of the final plans for the tennis court resurfacing. California Tree and Landscape Consulting, Inc. (CalTLC) has agreed to review the site and propose management options to conserve the trees in the park while impacting the trees as little as possible, and protect the integrity of the new tennis court surface.

OBSERVATION

The site was visited on Tuesday, July 20, 2021 starting at approximately 10:10 am. We met and discussed your needs for the reconstruction of the courts and protecting the trees if at all possible. I laid out the court and considered the distances of the trees from the courts, the need for a smooth playing surface, and how we could make the whole arrangement work.

The tools used in the inspection were: diameter tape, tape measure, camera, and notepad. A previous inspection captured data on the oak trees, but not the Redwoods and Hackberry.

The trunk diameters were measured with a Bilmore Stick at approximately 4.5 feet above grade or measured at the most appropriate place on the trunk to determine the trunk diameter if growth characteristics, branches, or swelling at 4.5 feet would not give an accurate diameter.

The tree condition is a combination of vigor, structure, trunk, branches, trunk flare, live tissue, leaf and bud density, and defects and decay or pests. It is described in rating and range term. The rating scale is:

<u>Range</u>	<u># Rating</u>	<u>Description</u>
Excellent	81-100	Found to have none to few defects or decay, and high vigor
Good	61-80	Found to have few defects or decay, and above average vigor
Fair	41-60	Found to have mitigatable defects, limited decay, and average vigor
Poor	21-40	Found to have significant defects, decay, and lower vigor
Very poor	1-20	Found to have significant defects, decay, and low declining vigor
Dead	0	Found to be dead

The trees were found to be in varying conditions, with no immediate high risk concerns. The Oaks have already been scheduled for pruning in the park maintenance since the oak inspection in 2020. The trees were clear of the fence and tennis courts with foliage growth, and the focus was on the distance for root pruning and conserving the trees.

The data collected was: Tree #, tree species, trunk diameter in inches, condition rating (see scale above), distance of trunk from fence, distance of fence from court line and mitigation options.

METHODS, LIMITATIONS AND ASSUMPTIONS



All inspections were made from the ground viewing from the perspective of how the tennis court surface can be removed and replaced in as sustainable, long term methods as possible with the best protection of the park tree assets, per the request from City staff.

This report reflects the condition of the trees at the time of examination. It is not intended to predict risk during highly unusual or catastrophic natural occurrences such as, but not limited to, floods, hurricanes, extreme wind, micro-bursts, and earthquakes. The abnormal wind or natural events that occur and can damage man-made engineered structures and are situations a tree risk assessor does not consider or all trees would be considered for potential failures. The recommendations were made without seeing the roots. After excavation of the pavement, the root conditions could require a further inspection and modification of the options depending on conditions related to tree stability after root maintenance.

The timeframe used during this risk assessment was the 18 months which takes the trees through the park's next pruning cycle

Risk is the combination of the likelihood of an event and the severity of the potential consequences. In the context of trees, risk is the likelihood of a tree failure occurring and affecting a target¹ after root pruning.

This assessment of the trees and their surrounding site is a synthesis of the information collected. It is important to understand that a basic assessment is a visual assessment whose primary limitation is that it includes only conditions that are visually detected. Advanced assessments can provide additional information to make decisions. A root crown excavation exposes tree parts that were not visible before the excavation. An aerial inspection uses an aerial lift to place the assessor in the tree crown or a climber climbs the tree to view the branches and trunk areas more closely than from the ground, and allows measurements of the cavities, wood thickness, and wood quality not visible or reachable from the ground. It may not be possible to reach all areas of the crown for a closer inspection of areas above the limits of aerial lift height or tree structure to support a climber. Other internal, below ground, and upper crown factors may be impossible to see or difficult to assess and may remain largely undetected. Sonic tomography and resistance drilling are methods to gain more information about the extent of decay in a tree part.

Discussion: The inspection was made with the intent to retain the trees with acceptable impact from root pruning and create a usable long-term tennis court with flexibility for future care while not having to replace the entire tennis court in the future as the trees continue to grow, and not having to remove trees.

¹ A Target is a person, building or other property that may be injured or damaged by a tree or tree part.

Management Options are provided that can reduce the risk of tree failure with root maintenance and root pruning to install a new tennis court. The approach is to separate the actual tennis court from the area surrounding the tennis court and allow for a long-term most sustainable approach to the tennis court and the trees.

Management options for reducing the risk associated with root pruning and possible Oak Root Fungus including tree care and site management practices include:

Avoid Whole Tree Failure. The risk for whole tree failure is low to moderate under normal circumstances, depending on the extent of Oak Root Fungus or other fungi reducing the function of the roots. Because the trees are growing in turf and the irrigation sprays the trunks, over time it creates an environment where Oak Root Fungus is better positioned than the tree to outgrow it and put on enough new wood to restore normal wood strength.

1. The bases of the trees were generally at grade. The flares were visible and did not appear to have significant impacts from root decay fungi. The soil around the trees is bare with no mulch and compacted, and often wet from irrigation. Keeping the bases of the trees wet, over time will enable Oak Root Fungus or Phytophthora fungi to outgrow the tree's wood production. Trunk Flare
2. Provide ongoing tree protection by managing the design of any site modifications or improvements, including the turf irrigation. Consider placing mulch around the base of the trees to reduce compaction, and re-direct sprinklers from spraying trunks and puddling around the base of trees. Protect the root system and soil within the dripline or beyond the dripline from compaction.
3. The long-term health and care of these trees should be a consideration. The soil around the trees inside the lawn is bare. Bare soil is easier to compact with the general site use of people walking over the soil. There were some tractor tire tread marks in the bare soil around trees showing equipment is contributing to the compaction of the soil. Simply the sun baking bare soil can reduce permeability and create a hotter less favorable environment for roots. In situations where the soil is moist or damp and people walk on the surface, the soil compaction is greater and more difficult to remedy. In this location, all bare soil should be covered with mulch, and the mulch rings around the trees where turf activities are not important could be enlarged.

Mulch should be placed over bare soil to a minimum of 4 inches deep, and over time be replenished when it breaks down. The purpose of mulch is to break down and provide organic material to the soil that is missing when the leaves and duff layers typically found in natural settings is removed. Options for mulch materials include wood chips, pistacio and almond shells, and combinations of materials. Materials that do not break down such as rocks, rubber chips, and bark are not considered mulch materials that will improve the soil conditions over time. Some materials that absorb heat can actually retain the heat on the soil surface for longer periods than just sunlight.



Accepting the challenges of growing trees around site improvements in a park, there are strategies we are recommending to improve the success of the renovation of the tennis courts and retain the trees with minimal root cutting, and the approach to separate the pavement into two sections, a permanent section for the tennis court, and a sacrificial or “temporary” area around the court.

The strategy is to separate the paving into 2 areas: the first, a permanent solid area with extensive root removal as far from the trees as possible, and a solid section of pavement for a permanent tennis court. The second area is a sacrificial border around the tennis court that covers the area between the fence and the permanent court. The sides of the court where the trees are farther away will likely experience less conflict with the sacrificial/temporary surface. In the areas where the roots are farther away, root pruning will be likely reduced and the amount of root pruning minimal. In the areas where the trees are close to the sacrificial area, there may be heavier root pruning, and we would avoid going too deep and cutting too many roots, while gaining enough depth for the sacrificial layer of pavement. This area will have anticipated future root damage and the costs to repair will be reduced to the size of the sacrificial area. It is also possible to separate the sacrificial areas based on tree proximity, add some root barriers, and focus the heaviest future root conflicts in those areas closest to the larger trees.

The permanent paving for the tennis court and the full depth for the paving material should have a root barrier installed around the pavement to further reduce the likelihood of roots impacting this pavement. The space from the outside of the root barrier to the fence will be the sacrificial paving and will likely need maintenance in a shorter term than the permanent court pavement. The root pruning for the permanent pavement and the root barrier installation should be at least the 3.25 times the ratio of the distance from the tree to the trunk diameter. The ideal distance would be 6 times the trunk diameter or greater, and there is not space for this ideal distance on the Washington St side Redwoods (trees 1-5) and the east side larger oak (tree 7). Retaining the distance from the trunk at least 3 times the trunk diameter will align with industry BMP's and reduce the likelihood of whole tree failure.

Below is a sketch showing the plan to separate the paving into the two sections, and a chart showing the tree sizes and ratio of the distance from the trunk to the root cutting.

The other possibility to reduce future root damage is to stop the paving at the fence and not extend it a foot or more closer to the trees that may cause future pavement lifting. If the fence posts have to be surrounded by the paving, they should be peninsulas of pavement surrounding the posts.

The actual decisions on root pruning will need to be made after the pavement of the existing court is pulled up. It may be possible to use online conversations and video and photos to



Hand-drawn site plan of a proposed park area. The plan shows a central rectangular area outlined in green, containing a grid of white lines representing a field or court. This central area is surrounded by a black line representing a fence. Outside the fence, there are several numbered points (1-8) and various trees and landmarks.

- Top Left:** 30' Inc Cedar, 5543 V oak.
- Top Center:** 76' 4" 7, 26' Redw, Washington St.
- Top Right:** 48' 4" 7, 48' Redw, 48' 4" 7, 48' Redw, 48' 4" 7.
- Bottom Right:** 26' Hack, 76' fm fence.
- Bottom Center:** 4' net pole to court, 4' net pole to court, 4' net pole to court, 4' net pole to court.
- Bottom Left:** 11' 8" fence, 5542 V oak.

The central area is labeled "12' 4" fence to court" and "21' 2" fence to court". The bottom left corner is labeled "fence" and "10' Hack". The top right corner is labeled "Ac 90x beyond fence by 12' 10" and "form court 4' beyond court stripe". The bottom right corner is labeled "form court 4' to fence" and "full part prime inside park court".



**Manuel Vierra Park Tennis Court Renovation
Tree List**

Tree #	Species	dbh (in)	Trunk dist from cut (ft)	ratio of dist from trunk to dbh	Condition Rating	Notes
1	Redwood	39	13	4.00	fair	inspect roots before pruning
2	Redwood	26	14.5	6.69	poor	moderate impact
3	Redwood	44	12.25	3.34	fair	inspect roots before pruning
4	Redwood	45	12.25	3.27	fair	inspect roots before pruning
5	Redwood	28	30	12.86	fair	low impact
6	Hackberry	26	25	11.54	fair	low impact
7	Valley Oak	45	12.5	3.33	poor	inspect roots before pruning
8	Valley Oak	32	28	10.50	fair	low impact

TREE LIST OF THE TREES CLOSEST TO THE TENNIS COURT AND THE RATIO OF THE DISTANCE FROM THE TRUNK COMPARED TO TRUNK DIAMETER, WITH THE GOAL FOR THE DISTANCE FOR HEAVY ROOT PRUNING TO EXCEED 3 TIMES THE TRUNK DIAMETER

CONCLUSIONS

The strategy suggested is for the project design to consider the amount of root pruning related to tree stability and exceed the minimum of 3 times the distance from the trunk of the trunk diameter. The permanent court is designed to retain a permanent tennis court and maintain a sacrificial or temporary border. The part of the border most suspect to future root damage is the side closest to the 5 Redwood trees along Washington St.

Please contact California Tree and Landscape Consulting if there are any questions.

Report Prepared by:




Gordon Mann
Registered Consulting Arborist #480
ISA Certified Arborist #WE-0151 AM
TRAQ Qualified Tree Risk Assessor

APPENDICES:

APPENDIX 1 – IMAGES OF THE TENNIS COURT WITH TREE PROXIMITIES

APPENDIX 2 - ROOT MANAGEMENT BMP EXPLANATION

Images



Redwood tree closest to the court left of picnic table



Oak tree closest to the court on the left of the fence



Redwoods close to the court



Far oak tree closest to the court on right



Hackberry close to the court



Yellow line ~4' from court stripe.



Yellow line ~4' from court stripe



Yellow line ~4' from court stripe



Yellow line ~4' from court stripe

Appendix 2 Root Management BMP Explanation



Root Management BMP Language

When root pruning, a minimum of 1 foot per 1 inch of dbh is the minimum preferred distance from the trunk to protect trees during root pruning. If there needs to be some encroachment, 6 times the dbh is the preferred minimum distance from the trunk for encroachment and careful root pruning. The greater the space, the less effect on the tree from root pruning. In some instances after the root pruning, the remaining roots may need supplemental irrigation, even on native trees.

The key to root pruning is to remain as far from the trunk as possible, stay enough distance away to avoid compromising stability, and sever roots before excavating so all root damage is limited to the area pruned outward from the trunk.

The ISA Best Management Practices for Root Management states on page 21, under Consequences of Root Pruning on Tree Stability:

“Root Loss can affect tree health and stability. Cutting roots at a distance greater than six times the trunk diameter (dbh) minimizes the likelihood of affecting both health and stability. At this distance, approximately 25% of the root system would be lost. Cutting roots any closer to the tree is more likely to compromise stability.

Linear cuts on one side of a tree can reduce stability when the cut is made at a distance from the trunk that is less than three times the trunk diameter. Severe loss of stability is common when cuts are made at a distance that is less than 1 to 1.5 times the trunk diameter... The impact of linear root cuts is highly dependent on the configuration of the root system. Trees with lateral roots are more susceptible to a loss of stability than trees with oblique or tap root systems.”

During landscaping, no plants should be placed within 6' of the base of native oak trees. Any plants grown under oaks should be compatible with the oak water use. Water should not be sprayed on the trunk of the oak trees or be allowed to flow to the trunk of the Oak trees.

When doing any grading or construction on the site, construction protection should be in place prior to commencing construction on the site. Landscape should avoid being planted within 6 feet of the trunks of native oaks, and irrigation should not be delivered or flow to the base of the native oak trees.

Page 17, 5th Bullet: Preferred Distance 5 times the DBH; minimum Distance 3 times the DBH, (Smiley, Fraedrich and Hendrickson 2002)

Appendix B
Federal Wage Determinations

"General Decision Number: CA20220007 02/25/2022

Superseded General Decision Number: CA20210007

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

Counties: Alpine, Amador, Butte, Colusa, El Dorado, Glenn, Lassen, Marin, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Siskiyou, Solano, Sonoma, Sutter, Tehama, Trinity, Yolo and Yuba Counties in California.

BUILDING CONSTRUCTION PROJECTS (excluding Amador County only); DREDGING CONSTRUCTION PROJECTS (does not include hopper dredge work); HEAVY CONSTRUCTION PROJECTS (does not include water well drilling); AND HIGHWAY CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	<ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$15.00 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2022.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	<ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$11.25 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2022.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Modification Number	Publication Date
0	01/07/2022
1	01/14/2022
2	01/21/2022
3	01/28/2022
4	02/04/2022
5	02/18/2022
6	02/25/2022

ASBE0016-001 01/01/2021

AREA 1: MARIN, NAPA, SAN BENITO, SAN FRANCISCO, SOLANO, & SONOMA COUNTIES

AREA 2: ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHEMA, TRINITY, YOLO, & YUBA COUNTIES

	Rates	Fringes
--	-------	---------

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

Area 1.....	\$ 74.16	23.58
Area 2.....	\$ 46.81	33.50

ASBE0016-007 01/01/2021

AREA 1 : ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, SUTTER, TEHAMA, TRINITY, YOLO & YUBA COUNTIES

AREA 2: MARIN & NAPA COUNTIES

	Rates	Fringes
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Asbestos Removal
worker/hazardous material
handler (Includes
preparation, wetting,
stripping, removal,
scrapping, vacuuming, bagging
and disposing of all
insulation materials from
mechanical systems, whether
they contain asbestos or not)

AREA 1.....	\$ 30.45	10.60
AREA 2.....	\$ 36.53	9.27

BOIL0549-002 01/01/2021

	Rates	Fringes
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BOILERMAKER

(1) Marin & Solano Counties..\$	49.62	41.27
(2) Remaining Counties.....\$	45.60	38.99

BRCA0003-001 08/01/2021

	Rates	Fringes
MARBLE FINISHER.....\$	37.72	17.64

BRCA0003-004 05/01/2021

AREA 1: ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN,
LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA,
SIERRA, SUTTER, TEHAMA, YOLO AND YUBA COUNTIES

AREA 2: MARIN, NAPA, SISKIYOU, SOLANO, SONOMA AND TRINITY
COUNTIES

	Rates	Fringes
BRICKLAYER		
AREA 1.....\$	47.24	22.13
AREA 2.....\$	49.78	27.34

SPECIALTY PAY:

(A) Underground work such as tunnel work, sewer work,
manholes, catch basins, sewer pipes and telephone conduit
shall be paid \$1.25 per hour above the regular rate. Work
in direct contact with raw sewage shall receive \$1.25 per
hour in addition to the above.

(B) Operating a saw or grinder shall receive \$1.25 per hour
above the regular rate.

(C) Guniting nozzle person shall receive \$1.25 per hour above
the regular rate.

BRCA0003-008 07/01/2021

	Rates	Fringes
TERRAZZO FINISHER.....\$	39.95	18.46
TERRAZZO WORKER/SETTER.....\$	53.03	28.34

BRCA0003-010 04/01/2019

	Rates	Fringes
TILE FINISHER		
Area 1.....\$	27.31	14.75
Area 2.....\$	27.10	16.50
Area 3.....\$	29.94	16.38
Area 4.....\$	28.06	15.82
Tile Layer		
Area 1.....\$	45.51	17.64
Area 2.....\$	45.15	19.06
Area 3.....\$	49.90	19.16
Area 4.....\$	46.77	19.08

AREA 1: Butte, Colusa, El Dorado, Glenn, Lassen, Modoc,
Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Sutter,
Tehama, Yolo, Yuba

AREA 2: Alpine, Amador

AREA 3: Marin, Napa, Solano, Siskiyou

AREA 4: Sonoma

BRCA0003-014 08/01/2021

	Rates	Fringes
MARBLE MASON.....	\$ 53.17	29.10

CARP0034-001 07/01/2021

	Rates	Fringes
Diver		
Assistant Tender, ROV		
Tender/Technician.....	\$ 54.10	34.69
Diver standby.....	\$ 60.51	34.69
Diver Tender.....	\$ 59.51	34.69
Diver wet.....	\$ 103.62	34.69
Manifold Operator (mixed gas).....	\$ 64.51	34.69
Manifold Operator (Standby).	\$ 59.51	34.69

DEPTH PAY (Surface Diving):

050 to 100 ft	\$2.00 per foot
101 to 150 ft	\$3.00 per foot
151 to 220 ft	\$4.00 per foot
221 ft.-deeper	\$5.00 per foot

SATURATION DIVING:

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

DIVING IN ENCLOSURES:

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

WORK IN COMBINATION OF CLASSIFICATIONS:

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

CARP0034-003 07/01/2021

	Rates	Fringes
Piledriver.....	\$ 54.10	34.69

CARP0035-001 08/01/2020

AREA 1: MARIN, NAPA, SOLANO & SONOMA

AREA 3: SACRAMENTO, WESTERN EL DORADO (Territory west of an including highway 49 and the territory inside the city limits of Placerville), WESTERN PLACER (Territory west of and including highway 49), & YOLO

AREA 4: ALPINE, BUTTE, COLUSA, EASTERN EL DORADO, GLENN, LASSEN, MODOC, NEVADA, EASTERN PLACER, PLUMAS, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, & YUBA

	Rates	Fringes
Drywall Installers/Lathers:		
Area 1.....	\$ 52.65	31.26
Area 3.....	\$ 47.27	31.26
Area 4.....	\$ 45.92	31.26
Drywall Stocker/Scrapper		
Area 1.....	\$ 26.33	18.22
Area 3.....	\$ 23.64	18.22
Area 4.....	\$ 22.97	18.22

CARP0035-009 07/01/2020

Marin County

	Rates	Fringes
CARPENTER		
Bridge Builder/Highway Carpenter.....	\$ 52.65	30.82
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 52.80	30.82
Journeyman Carpenter.....	\$ 52.65	30.82
Millwright.....	\$ 52.75	32.41

CARP0035-010 07/01/2020

AREA 1: Marin, Napa, Solano & Sonoma Counties

AREA 2: Monterey, San Benito and Santa Cruz

AREA 3: Alpine, Butte, Colusa, El Dorado, Glenn, Lassen, Modoc, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Siskiyou, Sutter, Tehama, Trinity, Yolo & Yuba counties

	Rates	Fringes
Modular Furniture Installer		
Area 1		
Installer.....	\$ 28.76	22.53
Lead Installer.....	\$ 32.21	23.03
Master Installer.....	\$ 36.43	23.03
Area 2		
Installer.....	\$ 26.11	22.53
Lead Installer.....	\$ 29.08	23.03
Master Installer.....	\$ 32.71	23.03
Area 3		
Installer.....	\$ 25.16	22.53
Lead Installer.....	\$ 27.96	23.03
Master Installer.....	\$ 31.38	23.03

CARP0046-001 07/01/2021

El Dorado (West), Placer (West), Sacramento and Yolo Counties

	Rates	Fringes
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Carpenters

Bridge Builder/Highway		
Carpenter.....	\$ 54.85	31.49
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 49.12	31.49
Journeyman Carpenter.....	\$ 48.97	31.49
Millwright.....	\$ 51.47	33.08

Footnote: Placer County (West) includes territory West of and including Highway 49 and El Dorado County (West) includes territory West of and including Highway 49 and territory inside the city limits of Placerville.

 CARP0046-002 07/01/2021

Alpine, Colusa, El Dorado (East), Nevada, Placer (East),
 Sierra, Sutter and Yuba Counties

	Rates	Fringes
--	-------	---------

Carpenters

Bridge Builder/Highway		
Carpenter.....	\$ 54.85	31.49
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 47.77	31.49
Journeyman Carpenter.....	\$ 47.62	31.49
Millwright.....	\$ 50.12	33.08

 CARP0152-003 07/01/2020

Amador County

	Rates	Fringes
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Carpenters

Bridge Builder/Highway		
Carpenter.....	\$ 52.65	30.82
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 45.57	30.82
Journeyman Carpenter.....	\$ 45.42	30.82
Millwright.....	\$ 47.92	32.41

 CARP0180-001 07/01/2021

Solano County

	Rates	Fringes
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Carpenters

Bridge Builder/Highway		
Carpenter.....	\$ 54.85	31.49
Hardwood Floorlayer,		

Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 55.00	31.49
Journeyman Carpenter.....	\$ 54.85	31.49
Millwright.....	\$ 54.95	33.08

CARP0751-001 07/01/2021

Napa and Sonoma Counties

	Rates	Fringes
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Carpenters

Bridge Builder/Highway Carpenter.....	\$ 54.85	31.49
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 55.00	31.49
Journeyman Carpenter.....	\$ 54.85	31.49
Millwright.....	\$ 54.95	33.08

CARP1599-001 07/01/2020

Butte, Glenn, Lassen, Modoc, Plumas, Shasta, Siskiyou, Tehama
and Trinity Counties

	Rates	Fringes
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Carpenters

Bridge Builder/Highway Carpenter.....	\$ 52.65	30.82
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 45.57	30.82
Journeyman Carpenter.....	\$ 45.42	30.82
Millwright.....	\$ 47.92	32.41

ELEC0180-001 06/01/2021

NAPA AND SOLANO COUNTIES

	Rates	Fringes
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CABLE SPLICER.....	\$ 59.69	3%+24.38
ELECTRICIAN.....	\$ 53.06	3%+24.38

ELEC0180-003 12/01/2021

NAPA AND SOLANO COUNTIES

	Rates	Fringes
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Sound & Communications

Installer.....	\$ 43.71	3%+22.65
Technician.....	\$ 50.27	3%+22.65

SCOPE OF WORK INCLUDES-

SOUND & VOICE TRANSMISSION (Music, Intercom, Nurse Call,
Telephone); FIRE ALARM SYSTEMS [excluding fire alarm work

when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs],
TELEVISION & VIDEO SYSTEMS, SECURITY SYSTEMS, COMMUNICATIONS SYSTEMS that transmit or receive information and/or control systems that are intrinsic to the above.

EXCLUDES-

Excludes all other data systems or multiple systems which include control function or power supply; excludes installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excludes energy management systems.

ELEC0340-002 02/01/2018

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN,
NEVADA, PLACER, PLUMAS, SACRAMENTO, TRINITY, YOLO, YUBA COUNTIES

	Rates	Fringes
Communications System		
Sound & Communications		
Installer.....	\$ 29.35	3%+15.35
Sound & Communications		
Technician.....	\$ 33.75	3%+15.35

SCOPE OF WORK

Includes the installation testing, service and maintenance, of the following systems which utilize the transmission and/or transference of voice, sound, vision and digital for commercial, education, security and entertainment purposes for the following TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms, and low voltage master clock systems.

A. SOUND AND VOICE TRANSMISSION/TRANSFERENCE SYSTEMS

Background foreground music Intercom and telephone interconnect systems, Telephone systems, Nurse call systems, Radio page systems, School intercom and sound systems, Burglar alarm systems, Low voltage master clock systems, Multi-media/multiplex systems, Sound and musical entertainment systems, RF systems, Antennas and Wave Guide.

B. FIRE ALARM SYSTEMS

Installation, wire pulling and testing

C. TELEVISION AND VIDEO SYSTEMS Television monitoring and surveillance systems, Video security systems, Video entertainment systems, Video educational systems, Microwave transmission systems, CATV and CCTV

D. SECURITY SYSTEMS Perimeter security systems
Vibration sensor systems Card access systems Access control systems Sonar/infrared monitoring equipment

E. COMMUNICATIONS SYSTEMS THAT TRANSMIT OR RECEIVE

INFORMATION AND/OR CONTROL SYSTEMS THAT ARE INTRINSIC TO THE ABOVE LISTED SYSTEMS SCADA (Supervisory Control and Data Acquisition) PCM (Pulse Code Modulation) Inventory Control Systems Digital Data Systems Broadband and Baseband and Carriers Point of Sale Systems VSAT Data Systems Data Communication Systems RF and Remote Control Systems Fiber Optic Data Systems WORK EXCLUDED Raceway systems are not covered (excluding Ladder-Rack for the purpose of the above listed systems). Chases and/or nipples (not to exceed 10 feet) may be installed on open wiring systems. Energy management systems. SCADA (Supervisory Control and Data Acquisition) when not intrinsic to the above listed systems (in the scope). Fire alarm systems when installed in raceways (including wire and cable pulling) shall be performed at the electrician wage rate, when either of the following two (2) conditions apply:

1. The project involves new or major remodel building trades construction.
2. The conductors for the fire alarm system are installed in conduit.

ELEC0340-003 06/01/2021

ALPINE (West of Sierra Mt. Watershed), AMADOR, BUTTE, COLUSA, EL DORADO (West of Sierra Mt. Watershed), GLENN, LASSEN, NEVADA (West of Sierra Mt. Watershed), PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA (West of Sierra Mt. Watershed), SUTTER, TEHAMA, TRINITY, YOLO & YUBA COUNTIES

	Rates	Fringes
ELECTRICIAN		
Remaining area.....	\$ 41.56	32.49
Sierra Army Depot, Herlong..	\$ 48.83	18.54
Tunnel work.....	\$ 41.01	18.54

CABLE SPLICER: Receives 110% of the Electrician basic hourly rate.

ELEC0401-005 01/01/2022

ALPINE (east of the main watershed divide), EL DORADO (east of the main watershed divide), NEVADA (east of the main watershed), PLACER (east of the main watershed divide) and SIERRA (east of the main watershed divide) COUNTIES:

	Rates	Fringes
ELECTRICIAN.....	\$ 42.50	20.95

ZONE RATE:

70-90 miles - \$8.00 per hour
91+ miles - \$10.00 per hour

ELEC0551-004 06/01/2021

MARIN AND SONOMA COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 53.90	26.47

ELEC0551-005 12/01/2021		

MARIN & SONOMA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 43.71	23.96
Technician.....	\$ 50.27	24.16

SCOPE OF WORK INCLUDES-

SOUND & VOICE TRANSMISSION (Music, Intercom, Nurse Call, Telephone); FIRE ALARM SYSTEMS [excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs], TELEVISION & VIDEO SYSTEMS, SECURITY SYSTEMS, COMMUNICATIONS SYSTEMS that transmit or receive information and/or control systems that are intrinsic to the above.

EXCLUDES-

Excludes all other data systems or multiple systems which include control function or power supply; excludes installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excludes energy management systems.

ELEC0659-006 01/01/2021

DEL NORTE, MODOC and SISKIYOU COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 38.49	17.74

ELEC0659-008 02/01/2020		

DEL NORTE, MODOC & SISKIYOU COUNTIES

	Rates	Fringes
Line Construction		
(1) Cable Splicer.....	\$ 60.28	4.5%+19.40
(2) Lineman, Pole Sprayer,		
Heavy Line Equipment Man....	\$ 53.82	4.5%+19.40
(3) Tree Trimmer.....	\$ 37.84	4.5%+14.30
(4) Line Equipment Man.....	\$ 53.82	4.5%+19.40
(5) Powdermen,		
Jackhammermen.....	\$ 40.37	4.5%+14.30
(6) Groundman.....	\$ 33.37	4.5%+14.30

ELEC1245-004 01/01/2022		

ALL COUNTIES EXCEPT DEL NORTE, MODOC & SISKIYOU

	Rates	Fringes
LINE CONSTRUCTION		

(1) Lineman; Cable splicer..\$ 60.19	22.07
(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....\$ 48.08	20.86
(3) Groundman.....\$ 36.76	20.46
(4) Powderman.....\$ 51.87	18.79

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

ELEV0008-001 01/01/2022

	Rates	Fringes
ELEVATOR MECHANIC.....\$ 74.54		36.885+a+b

FOOTNOTE:

- a. PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.
b. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

ENGI0003-008 07/20/2020

	Rates	Fringes
Dredging: (DREDGING: CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING:) AREA 1:		
(1) Leverman.....\$ 49.88		34.35
(2) Dredge Dozer; Heavy duty repairman.....\$ 44.92		34.35
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator.....\$ 43.80		34.35
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler..\$ 40.50		34.35
AREA 2:		
(1) Leverman.....\$ 51.88		34.35
(2) Dredge Dozer; Heavy duty repairman.....\$ 46.92		34.35
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator.....\$ 45.80		34.35
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler..\$ 42.50		34.35

AREA DESCRIPTIONS

AREA 1: ALAMEDA,BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED,

NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN,
SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS,
SUTTER, YOLO, AND YUBA COUNTIES

AREA 2: MODOC COUNTY

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

ALPINE COUNTY:

Area 1: Northernmost part

Area 2: Remainder

CALAVERAS COUNTY:

Area 1: Remainder

Area 2: Eastern part

COLUSA COUNTY:

Area 1: Eastern part

Area 2: Remainder

ELDORADO COUNTY:

Area 1: North Central part

Area 2: Remainder

FRESNO COUNTY:

Area 1: Remainder

Area 2: Eastern part

GLENN COUNTY:

Area 1: Eastern part

Area 2: Remainder

LASSEN COUNTY:

Area 1: Western part along the Southern portion of border
with Shasta County

Area 2: Remainder

MADERA COUNTY:

Area 1: Except Eastern part

Area 2: Eastern part

MARIPOSA COUNTY

Area 1: Except Eastern part

Area 2: Eastern part

MONTERREY COUNTY

Area 1: Except Southwestern part

Area 2: Southwestern part

NEVADA COUNTY:

Area 1: All but the Northern portion along the border of
Sierra County

Area 2: Remainder

PLACER COUNTY:

Area 1: All but the Central portion

Area 2: Remainder

PLUMAS COUNTY:

Area 1: Western portion

Area 2: Remainder

SHASTA COUNTY:

Area 1: All but the Northeastern corner

Area 2: Remainder

SIERRA COUNTY:

Area 1: Western part

Area 2: Remainder

SISKIYOU COUNTY:

Area 1: Central part

Area 2: Remainder

SONOMA COUNTY:

Area 1: All but the Northwestern corner

Area 2: Remainder

TEHAMA COUNTY:

Area 1: All but the Western border with Mendocino & Trinity Counties

Area 2: Remainder

TRINITY COUNTY:

Area 1: East Central part and the Northeastern border with Shasta County

Area 2: Remainder

TUOLUMNE COUNTY:

Area 1: Except Eastern part

Area 2: Eastern part

 ENGI0003-019 06/29/2020

SEE AREA DESCRIPTIONS BELOW

	Rates	Fringes
OPERATOR: Power Equipment (LANDSCAPE WORK ONLY)		
GROUP 1		
AREA 1.....	\$ 39.95	30.28
AREA 2.....	\$ 41.95	30.28
GROUP 2		
AREA 1.....	\$ 36.35	30.28
AREA 2.....	\$ 38.35	30.28
GROUP 3		
AREA 1.....	\$ 31.74	30.28
AREA 2.....	\$ 33.74	30.28

GROUP DESCRIPTIONS:

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

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

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

AREA DESCRIPTIONS:

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

AREA 2 - MODOC COUNTY

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

ALPINE COUNTY:

Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:

Area 1: Except Eastern part
Area 2: Eastern part

COLUSA COUNTY:

Area 1: Eastern part
Area 2: Remainder

DEL NORTE COUNTY:

Area 1: Extreme Southwestern corner
Area 2: Remainder

ELDORADO COUNTY:

Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY

Area 1: Except Eastern part
Area 2: Eastern part

GLENN COUNTY:

Area 1: Eastern part
Area 2: Remainder

HUMBOLDT COUNTY:

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

LAKE COUNTY:

Area 1: Southern part
Area 2: Remainder

LASSEN COUNTY:

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

MADERA COUNTY

Area 1: Remainder
Area 2: Eastern part

MARIPOSA COUNTY

Area 1: Remainder
Area 2: Eastern part

MENDOCINO COUNTY:

Area 1: Central and Southeastern parts
Area 2: Remainder

MONTEREY COUNTY

Area 1: Remainder

Area 2: Southwestern part

NEVADA COUNTY:

Area 1: All but the Northern portion along the border of
Sierra County

Area 2: Remainder

PLACER COUNTY:

Area 1: All but the Central portion

Area 2: Remainder

PLUMAS COUNTY:

Area 1: Western portion

Area 2: Remainder

SHASTA COUNTY:

Area 1: All but the Northeastern corner

Area 2: Remainder

SIERRA COUNTY:

Area 1: Western part

Area 2: Remainder

SISKIYOU COUNTY:

Area 1: Central part

Area 2: Remainder

SONOMA COUNTY:

Area 1: All but the Northwestern corner

Area 2: Reaminder

TEHAMA COUNTY:

Area 1: All but the Western border with mendocino & Trinity
Counties

Area 2: Remainder

TRINITY COUNTY:

Area 1: East Central part and the Northeaster border with
Shasta County

Area 2: Remainder

TULARE COUNTY;

Area 1: Remainder

Area 2: Eastern part

TUOLUMNE COUNTY:

Area 1: Remainder

Area 2: Eastern Part

ENGI0003-038 06/29/2020

""AREA 1"" WAGE RATES ARE LISTED BELOW

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

SEE AREA DEFINITIONS BELOW

Rates

Fringes

OPERATOR: Power Equipment
(AREA 1:)

GROUP 1.....	\$ 51.42	31.15
GROUP 2.....	\$ 49.89	31.15
GROUP 3.....	\$ 48.41	31.15
GROUP 4.....	\$ 47.03	31.15
GROUP 5.....	\$ 45.76	31.15
GROUP 6.....	\$ 44.44	31.15
GROUP 7.....	\$ 43.30	31.15
GROUP 8.....	\$ 42.16	31.15
GROUP 8-A.....	\$ 39.95	31.15

OPERATOR: Power Equipment
(Cranes and Attachments -
AREA 1:)

GROUP 1		
Cranes.....	\$ 52.30	31.15
Oiler.....	\$ 43.79	31.15
Truck crane oiler.....	\$ 46.08	31.15
GROUP 2		
Cranes.....	\$ 50.54	31.15
Oiler.....	\$ 42.83	31.15
Truck crane oiler.....	\$ 45.07	31.15
GROUP 3		
Cranes.....	\$ 48.80	31.15
Hydraulic.....	\$ 44.44	31.15
Oiler.....	\$ 42.55	31.15
Truck crane oiler.....	\$ 44.83	31.15
GROUP 4		
Cranes.....	\$ 45.76	31.15

OPERATOR: Power Equipment
(Piledriving - AREA 1:)

GROUP 1		
Lifting devices.....	\$ 52.64	31.15
Oiler.....	\$ 43.38	31.15
Truck Crane Oiler.....	\$ 45.66	31.15
GROUP 2		
Lifting devices.....	\$ 50.82	31.15
Oiler.....	\$ 43.11	31.15
Truck Crane Oiler.....	\$ 45.41	31.15
GROUP 3		
Lifting devices.....	\$ 49.14	31.15
Oiler.....	\$ 42.89	31.15
Truck Crane Oiler.....	\$ 45.12	31.15
GROUP 4		
Lifting devices.....	\$ 47.37	31.15
GROUP 5		
Lifting devices.....	\$ 44.73	31.15
GROUP 6		
Lifting devices.....	\$ 42.50	31.15

OPERATOR: Power Equipment
(Steel Erection - AREA 1:)

GROUP 1		
Cranes.....	\$ 53.27	31.15
Oiler.....	\$ 43.72	31.15
Truck Crane Oiler.....	\$ 45.95	31.15
GROUP 2		
Cranes.....	\$ 51.50	31.15
Oiler.....	\$ 43.45	31.15
Truck Crane Oiler.....	\$ 45.73	31.15
GROUP 3		
Cranes.....	\$ 50.02	31.15
Hydraulic.....	\$ 45.07	31.15
Oiler.....	\$ 43.23	31.15
Truck Crane Oiler.....	\$ 45.46	31.15
GROUP 4		

Cranes.....	\$ 48.00	31.15
GROUP 5		
Cranes.....	\$ 46.70	31.15
OPERATOR: Power Equipment		
(Tunnel and Underground Work		
- AREA 1:)		
SHAFTS, STOPES, RAISES:		
GROUP 1.....	\$ 47.52	31.15
GROUP 1-A.....	\$ 49.99	31.15
GROUP 2.....	\$ 46.26	31.15
GROUP 3.....	\$ 44.93	31.15
GROUP 4.....	\$ 43.79	31.15
GROUP 5.....	\$ 42.65	31.15
UNDERGROUND:		
GROUP 1.....	\$ 47.42	31.15
GROUP 1-A.....	\$ 49.89	31.15
GROUP 2.....	\$ 46.16	31.15
GROUP 3.....	\$ 44.83	31.15
GROUP 4.....	\$ 43.69	31.15
GROUP 5.....	\$ 42.55	31.15

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

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

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

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

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

GROUP 4: Asphalt plant engineer/box person; Chicago boom; Combination backhoe and loader up to and including 3/4 cu. yd.; Concrete batch plant (wet or dry); Dozer and/or push cat; Pull- type elevating loader; Gradesetter, grade checker (GPS, mechanical or otherwise); Grooving and grinding machine; Heading shield operator; Heavy-duty drilling equipment, Hughes, LDH, Watson 3000 or similar; Heavy-duty repairperson and/or welder; Lime spreader; Loader under 4 cu. yds.; Lubrication and service engineer (mobile and grease rack); Mechanical finishers or spreader machine (asphalt, Barber-Greene and similar); Miller Formless M-9000 slope paver or similar; Portable crushing and screening plants; Power blade support; Roller operator, asphalt; Rubber-tired scraper, self-loading (paddle-wheels, etc.); Rubber- tired earthmoving equipment (scrappers); Slip

form paver (concrete); Small tractor with drag; Soil stabilizer (P & H or equal); Spider plow and spider puller; Tubex pile rig; Unlicensed construction work boat operator, on site; Timber skidder; Track loader up to 4 yds.; Tractor-drawn scraper; Tractor, compressor drill combination; Welder; Woods-Mixer (and other similar Pugmill equipment)

GROUP 5: Cast-in-place pipe laying machine; Combination slusher and motor operator; Concrete conveyor or concrete pump, truck or equipment mounted; Concrete conveyor, building site; Concrete pump or pumpcrete gun; Drilling equipment, Watson 2000, Texoma 700 or similar; Drilling and boring machinery, horizontal (not to apply to waterliners, wagon drills or jackhammers); Concrete mixer/all; Person and/or material hoist; Mechanical finishers (concrete) (Clary, Johnson, Bidwell Bridge Deck or similar types); Mechanical burm, curb and/or curb and gutter machine, concrete or asphalt); Mine or shaft hoist; Portable crusher; Power jumbo operator (setting slip-forms, etc., in tunnels); Screed (automatic or manual); Self-propelled compactor with dozer; Tractor with boom D6 or smaller; Trenching machine, maximum digging capacity over 5 ft. depth; Vermeer T-600B rock cutter or similar

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

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

GROUP 8: Bit sharpener; Boiler tender; Box operator; Brakeperson; Combination mixer and compressor (shotcrete/gunite); Compressor operator; Deckhand; Fire

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

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

ALL CRANES AND ATTACHMENTS

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

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

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

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

PILEDRIERS

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

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

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

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

GROUP 5: Deck engineer

GROUP 6: Deckhand; Fire tender

STEEL ERECTORS

GROUP 1: Crane over 100 tons; Derrick over 100 tons; Self-propelled boom-type lifting device over 100 tons

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

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

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

GROUP 5: Boom cat

TUNNEL AND UNDERGROUND WORK

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

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

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

GROUP 3: Drill doctor; Mine or shaft hoist

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

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

AREA DESCRIPTIONS:

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

AREA 1: DEL NORTE, HUMBOLDT, LAKE, MENDOCINO

AREA 2 -NOTED BELOW

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

DEL NORTE COUNTY:

Area 1: Extreme Southwest corner

Area 2: Remainder

HUMBOLDT COUNTY:

Area 1: Except Eastern and Southwestern parts

Area 2: Remainder

LAKE COUNTY:

Area 1: Southern part

Area 2: Remainder

MENDOCINO COUNTY:

Area 1: Central and Southeastern Parts

Area 2: Remainder

IRON0433-006 07/01/2020

	Rates	Fringes
IRONWORKER		
Fence Erector.....	\$ 34.58	24.81
Ornamental, Reinforcing		
and Structural.....	\$ 41.00	33.45

PREMIUM PAY:

\$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval Reserve-Niland,
 Edwards AFB, Fort Irwin Military Station, Fort Irwin Training Center-Goldstone, San Clemente Island, San Nicholas Island, Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine Base - Barstow, U.S. Naval Air Facility - Seale, Vandenberg AFB

\$4.00 additional per hour at the following locations:

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

\$2.00 additional per hour at the following locations:

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

LAB00067-001 06/28/2021

AREA ""A"" - MARIN COUNTY

AREA ""B"" - ALPINE, AMADOR, BUTTE COLUSA EL DORADO, GLENN, LASSEN, MODOC, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, SUTTER, TEHAMA, TRINITY, YOLO, AND YUBA COUNTIES

	Rates	Fringes
Asbestos Removal Laborer.....	\$ 26.05	12.75
LABORER (Lead Removal)		
Marin County.....	\$ 34.37	25.95
Remaining Counties.....	\$ 33.37	25.95

LAB00067-005 06/27/2017

AREA ""A"" - ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO AND

SANTA CLARA COUNTIES

AREA ""B"" - ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, DEL NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT, KINGS, LAKE, LASSEN, MADERA, MARIPOSA, MENDOCINO, MERCED, MODOC, MONTEREY, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SIERRA, SHASTA, SISKIYOU, STANISLAUS, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person		
Area A.....	\$ 29.54	22.17
Area B.....	\$ 28.54	22.17
Traffic Control Person I		
Area A.....	\$ 29.84	22.17
Area B.....	\$ 28.84	22.17
Traffic Control Person II		
Area A.....	\$ 27.34	22.17
Area B.....	\$ 26.34	22.17

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

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

LAB00185-002 07/01/2021

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

	Rates	Fringes
LABORER		
Mason Tender-Brick.....	\$ 34.09	24.41

LAB00185-005 07/01/2021

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1.....	\$ 42.00	25.71
GROUP 2.....	\$ 41.77	25.71
GROUP 3.....	\$ 41.52	25.71
GROUP 4.....	\$ 41.07	25.71
GROUP 5.....	\$ 40.53	25.71
Shotcrete Specialist.....	\$ 42.52	25.71

TUNNEL AND SHAFT CLASSIFICATIONS

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

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

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

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

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0185-006 06/25/2018

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO, YUBA COUNTIES

	Rates	Fringes
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LABORER (CONSTRUCTION CRAFT

LABORERS - AREA B:)

Construction Specialist

Group.....	\$ 30.49	23.20
GROUP 1.....	\$ 29.79	23.20
GROUP 1-a.....	\$ 30.01	23.20
GROUP 1-c.....	\$ 30.01	23.20
GROUP 1-e.....	\$ 30.34	23.20
GROUP 1-f.....	\$ 30.37	23.20
GROUP 2.....	\$ 29.64	23.20
GROUP 3.....	\$ 29.54	23.20
GROUP 4.....	\$ 23.23	23.20

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

LABORER (GARDENERS,

HORTICULTURAL & LANDSCAPE

LABORERS - AREA B:)

(1) New Construction.....	\$ 29.54	23.20
(2) Establishment Warranty Period.....	\$ 23.23	23.20

LABORER (GUNITING - AREA B:)

GROUP 1.....	\$ 29.75	22.31
GROUP 2.....	\$ 29.25	22.31
GROUP 3.....	\$ 28.66	22.31
GROUP 4.....	\$ 28.54	22.31

LABORER (WRECKING - AREA B:)

GROUP 1.....	\$ 29.79	23.20
GROUP 2.....	\$ 29.64	23.20

FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive \$0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a

below.

LABORER CLASSIFICATIONS

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

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

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

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

rates.

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

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

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

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

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:

- A: at demolition site for the salvage of the material.
- B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
- C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Guniting laborer

WRECKING WORK LABORER CLASSIFICATIONS

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

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

LAB00185-008 07/01/2021

	Rates	Fringes
Plasterer tender.....	\$ 35.82	28.45

Work on a swing stage scaffold: \$1.00 per hour additional.

LAB00261-002 06/28/2021

MARIN COUNTY

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person..	\$ 34.48	26.21
Traffic Control Person I....	\$ 34.78	26.21
Traffic Control Person II...	\$ 32.28	26.21

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

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

LAB00261-004 07/01/2021

MARIN COUNTY

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1.....	\$ 42.00	25.71
GROUP 2.....	\$ 41.77	25.71
GROUP 3.....	\$ 41.52	25.71
GROUP 4.....	\$ 41.07	25.71
GROUP 5.....	\$ 40.53	25.71
Shotcrete Specialist.....	\$ 42.52	25.71

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunitite and shotcrete nozzlelemen

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

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

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

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LAB00261-007 07/01/2018

MARIN AND NAPA COUNTIES

	Rates	Fringes
LABORER		
Mason Tender-Brick.....	\$ 32.45	22.20

LAB00261-010 06/25/2018

MARIN COUNTY

	Rates	Fringes
LABORER (CONSTRUCTION CRAFT		
LABORERS - AREA A:)		
Construction Specialist		
Group.....	\$ 31.49	23.20
GROUP 1.....	\$ 30.79	23.20
GROUP 1-a.....	\$ 31.01	23.20
GROUP 1-c.....	\$ 30.84	23.20
GROUP 1-e.....	\$ 31.34	23.20
GROUP 1-f.....	\$ 31.37	23.20
GROUP 2.....	\$ 30.64	23.20
GROUP 3.....	\$ 30.54	23.20
GROUP 4.....	\$ 24.23	23.20

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

LABORER (GARDENERS,
HORTICULTURAL & LANDSCAPE
LABORERS - AREA A:)

(1) New Construction.....	\$ 30.54	23.20
(2) Establishment Warranty		
Period.....	\$ 24.23	23.20

LABORER (GUNITITE - AREA A:)

GROUP 1.....	\$ 30.75	22.31
GROUP 2.....	\$ 30.25	22.31
GROUP 3.....	\$ 29.66	22.31
GROUP 4.....	\$ 29.54	22.31

LABORER (WRECKING - AREA A:)

GROUP 1.....	\$ 30.79	23.20
GROUP 2.....	\$ 30.64	23.20

FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive \$0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

LABORER CLASSIFICATIONS

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

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

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for

such loading and placing; High scalers (including drilling of same); Tree topper; Bit grinder

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

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

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

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

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

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:

A: at demolition site for the salvage of the material.

B: at the conclusion of a job where the material is to be

salvaged and stocked to be reused on another job.

C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Gunite laborer

WRECKING WORK LABORER CLASSIFICATIONS

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

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

LAB00261-015 07/01/2021

	Rates	Fringes
Plasterer tender.....	\$ 35.82	28.45

Work on a swing stage scaffold: \$1.00 per hour additional.

LAB00324-004 06/28/2021

NAPA, SOLANO, AND SONOMA, COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person..	\$ 33.48	26.21
Traffic Control Person I....	\$ 33.78	26.21
Traffic Control Person II...	\$ 31.28	26.21

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

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

LAB00324-008 06/25/2018

NAPA, SOLANO, AND SONOMA COUNTIES

	Rates	Fringes
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Tunnel and Shaft Laborers:

GROUP 1.....	\$ 37.82	24.11
GROUP 2.....	\$ 37.59	24.11
GROUP 3.....	\$ 37.34	24.11
GROUP 4.....	\$ 36.89	24.11
GROUP 5.....	\$ 36.35	24.11
Shotcrete Specialist.....	\$ 38.34	24.11

TUNNEL AND SHAFT CLASSIFICATIONS

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

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

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

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

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LAB00324-010 07/01/2018

SOLANO AND SONOMA COUNTIES

	Rates	Fringes
LABORER		
Mason Tender-Brick.....	\$ 31.45	22.20

LAB00324-013 06/25/2018

NAPA, SOLANO, AND SONOMA COUNTIES

	Rates	Fringes
LABORER (CONSTRUCTION CRAFT LABORERS - AREA B:)		
Construction Specialist		
Group.....	\$ 30.49	23.20
GROUP 1.....	\$ 29.79	23.20
GROUP 1-a.....	\$ 30.01	23.20
GROUP 1-c.....	\$ 29.84	23.20
GROUP 1-e.....	\$ 30.34	23.20
GROUP 1-f.....	\$ 29.37	23.20
GROUP 2.....	\$ 29.64	23.20
GROUP 3.....	\$ 29.54	23.20
GROUP 4.....	\$ 23.23	23.20

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

LABORER (GARDENERS,
HORTICULTURAL & LANDSCAPE

LABORERS - AREA B:)

(1) New Construction.....	\$ 29.54	23.20
(2) Establishment Warranty Period.....	\$ 23.23	23.20

LABORER (GUNITE - AREA B:)

GROUP 1.....	\$ 29.75	22.31
GROUP 2.....	\$ 29.25	22.31
GROUP 3.....	\$ 28.66	22.31
GROUP 4.....	\$ 28.54	22.31

LABORER (WRECKING - AREA B:)

GROUP 1.....	\$ 29.79	23.20
GROUP 2.....	\$ 29.64	23.20

FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive \$0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

LABORER CLASSIFICATIONS

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

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

and mold removal worker

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

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

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

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

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

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

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or

similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:

- A: at demolition site for the salvage of the material.
- B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
- C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Guniting laborer

WRECKING WORK LABORER CLASSIFICATIONS

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

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

LAB00324-019 07/01/2021

	Rates	Fringes
Plasterer tender.....	\$ 35.82	28.45

Work on a swing stage scaffold: \$1.00 per hour additional.

PAIN0016-004 01/01/2021

MARIN, NAPA, SOLANO & SONOMA COUNTIES

	Rates	Fringes
Painters:.....	\$ 45.22	25.48

PREMIUMS:

EXOTIC MATERIALS - \$1.25 additional per hour.

SPRAY WORK: - \$0.50 additional per hour.

INDUSTRIAL PAINTING - \$0.25 additional per hour

[Work on industrial buildings used for the manufacture and processing of goods for sale or service; steel construction (bridges), stacks, towers, tanks, and similar structures]

HIGH WORK:

over 50 feet - \$2.00 per hour additional
 100 to 180 feet - \$4.00 per hour additional
 Over 180 feet - \$6.00 per hour additional

 PAIN0016-005 07/01/2021

ALPINE, BUTTE, COLUSA, EL DORADO (west of the Sierra Nevada Mountains), GLENN, LASSEN (west of Hwy. 395, excluding Honey Lake); MARIN, MODOC, NAPA, NEVADA (west of the Sierra Nevada Mountains), PLACER (west of the Sierra Nevada Mountains), PLUMAS, SACRAMENTO, SHASTA, SIERRA (west of the Sierra Nevada Mountains), SISKIYOU, SOLANO, SONOMA, SUTTER, TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

	Rates	Fringes
DRYWALL FINISHER/TAPER.....	\$ 50.78	28.09

 PAIN0016-007 01/01/2021

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO (west of the Sierra Nevada Mountains), GLENN, LASSEN (west of Highway 395, excluding Honey Lake), MODOC, NEVADA (west of the Sierra Nevada Mountains), PLACER (west of the Sierra Nevada Mountains), PLUMAS, SACRAMENTO, SHASTA, SIERRA (west of the Sierra Nevada Mountains), SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO & YUBA COUNTIES

	Rates	Fringes
Painters:.....	\$ 35.88	21.16

SPRAY/SANDBLAST: \$0.50 additional per hour.
 EXOTIC MATERIALS: \$1.25 additional per hour.

HIGH TIME: Over 50 ft above ground or water level \$2.00 additional per hour. 100 to 180 ft above ground or water level \$4.00 additional per hour. Over 180 ft above ground or water level \$6.00 additional per hour.

 PAIN0016-008 01/01/2019

MARIN, NAPA, SOLANO AND SONOMA COUNTIES

	Rates	Fringes
SOFT FLOOR LAYER.....	\$ 48.60	27.43

 PAIN0169-004 01/01/2021

MARIN, NAPA & SONOMA COUNTIES; SOLANO COUNTY (west of a line defined as follows: Hwy. 80 corridor beginning at the City of Fairfield, including Travis Air Force Base and Suisun City; going north of Manakas Corner Rd., continue north on Suisun Valley Rd. to the Napa County line; Hwy. 80 corridor south on Grizzly Island Rd. to the Grizzly Island Management area)

	Rates	Fringes
GLAZIER.....	\$ 53.07	31.15

* PAIN0567-001 07/01/2021

EL DORADO COUNTY (east of the Sierra Nevada Mountains); LASSEN COUNTY (east of Highway 395, beginning at Stacey and including Honey Lake); NEVADA COUNTY (east of the Sierra Nevada Mountains); PLACER COUNTY (east of the Sierra Nevada Mountains); AND SIERRA COUNTY (east of the Sierra Nevada Mountains)

	Rates	Fringes
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Painters:

Brush and Roller.....	\$ 31.80	13.54
Spray Painter & Paperhanger.	\$ 33.39	13.54

PREMIUMS:

Special Coatings (Brush), and Sandblasting = \$0.50/hr

Special Coatings (Spray), and Steeplejack = \$1.00/hr

Special Coating Spray Steel = \$1.25/hr

Swing Stage = \$2.00/hr

*A special coating is a coating that requires the mixing of 2 or more products.

PAIN0567-007 07/01/2020

EL DORADO COUNTY (east of the Sierra Nevada Mountains); LASSEN COUNTY (east of Highway 395, beginning at Stacey and including Honey Lake); NEVADA COUNTY (east of the Sierra Nevada Mountains); PLACER COUNTY (east of the Sierra Nevada Mountains) AND SIERRA COUNTY (east of the Sierra Nevada Mountains)

	Rates	Fringes
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SOFT FLOOR LAYER.....	\$ 31.01	15.48
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PAIN0567-010 07/01/2020

EL DORADO COUNTY (east of the Sierra Nevada Mountains); LASSEN COUNTY (east of Highway 395, beginning at Stacey and including Honey Lake); NEVADA COUNTY (east of the Sierra Nevada Mountains); PLACER COUNTY (east of the Sierra Nevada Mountains); AND SIERRA COUNTY (east of the Sierra Nevada Mountains)

	Rates	Fringes
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Drywall

(1) Taper.....	\$ 35.20	14.02
(2) Steeplejack - Taper, over 40 ft with open space below.....	\$ 36.70	14.02

PAIN0767-004 01/01/2021

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO (Remainder), SUTTER, TEHAMA, TRINITY, YOLO, YUBA

	Rates	Fringes
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GLAZIER.....\$ 41.51 31.36

PAID HOLIDAYS: New Year's Day, Martin Luther King, Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day.

Employee required to wear a body harness shall receive \$1.50 per hour above the basic hourly rate at any elevation.

PAIN1176-001 07/01/2020

HIGHWAY IMPROVEMENT

	Rates	Fringes
Parking Lot Striping/Highway Marking:		
GROUP 1.....	\$ 38.48	16.88
GROUP 2.....	\$ 32.71	16.88
GROUP 3.....	\$ 33.09	16.88

CLASSIFICATIONS

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

GROUP 2: Gamecourt & Playground Installer

GROUP 3: Protective Coating, Pavement Sealing

PAIN1237-001 01/01/2021

ALPINE; COLUSA; EL DORADO (west of the Sierra Nevada Mountains); GLENN; LASSEN (west of Highway 395, beginning at Stacey and including Honey Lake); MODOC; NEVADA (west of the Sierra Nevada Mountains); PLACER (west of the Sierra Nevada Mountains); PLUMAS; SACRAMENTO; SHASTA; SIERRA (west of the Sierra Nevada Mountains); SISKIYOU; SUTTER; TEHAMA; TRINITY; YOLO AND YUBA COUNTIES

	Rates	Fringes
SOFT FLOOR LAYER.....	\$ 41.81	23.39

PLAS0300-003 07/01/2018

	Rates	Fringes
PLASTERER		
AREA 295: Alpine, Amador, Butte, Colusa, El Dorado, Glenn, Lassen, Modoc, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Siskiyou, Solano, Sutter, Tehama, Trinity, Yolo & Yuba Counties.....	\$ 32.70	31.68
AREA 355: Marin.....	\$ 36.73	31.68
AREA 355: Napa & Sonoma Counties.....	\$ 32.70	31.68

 PLAS0300-005 07/01/2016

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 32.15	23.27

PLUM0038-002 07/01/2021

MARIN AND SONOMA COUNTIES

	Rates	Fringes
PLUMBER (Plumber, Steamfitter, Refrigeration Fitter)		
(1) Work on wooden frame structures 5 stories or less excluding high-rise buildings and commercial work such as hospitals, prisons, hotels, schools, casinos, wastewater treatment plants, and research facilities as well as refrigeration pipefitting, service and repair work - MARKET RECOVERY RATE.....	\$ 67.15	44.21
(2) All other work - NEW CONSTRUCTION RATE.....	\$ 79.00	46.01

PLUM0038-006 07/01/2021

MARIN & SONOMA COUNTIES

	Rates	Fringes
Landscape/Irrigation Fitter (Underground/Utility Fitter).....	\$ 67.15	32.67

PLUM0228-001 01/01/2022

BUTTE, COLUSA, GLENN, LASSEN, MODOC, PLUMAS, SHASTA, SIERRA,
 SISKIYOU, SUTTER, TEHAMA, TRINITY & YUBA COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 43.00	36.44

PLUM0343-001 07/01/2021

NAPA AND SOLANO COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER		
Light Commercial.....	\$ 30.85	20.40
All Other Work.....	\$ 56.00	39.61

DEFINITION OF LIGHT COMMERCIAL:

Work shall include strip shopping centers, office buildings,
 schools and other commercial structures which the total
 plumbing bid does not exceed Two Hundred and Fifty Thousand

(\$250,000) and the total heating and cooling does not exceed Two Hundred Fifty Thousand (\$250,000); or Any projects bid in phases shall not qualify unless the total project is less than Two Hundred Fifty Thousand (\$250,000) for the plumbing bid; and Two Hundred Fifty Thousand (\$250,000) for the heating and cooling bid. Excluded are hospitals, jails, institutions and industrial projects, regardless size of the project

FOOTNOTES: While fitting galvanized material: \$.75 per hour additional. Work from trusses, temporary staging, unguarded structures 35' from the ground or water: \$.75 per hour additional. Work from swinging scaffolds, boatswains chairs or similar devices: \$.75 per hour additional.

PLUM0350-001 08/01/2021

EL DORADO COUNTY (Lake Tahoe area only); NEVADA COUNTY (Lake Tahoe area only); AND PLACER COUNTY (Lake Tahoe area only)

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 47.54	17.11

PLUM0355-001 07/01/2021

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO, SUTTER, TEHAMA, TRINITY, YOLO, AND YUBA COUNTIES

	Rates	Fringes
Underground Utility Worker /Landscape Fitter.....	\$ 30.90	16.80

PLUM0442-003 01/01/2022

AMADOR (South of San Joaquin River) and ALPINE COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 48.75	33.94

PLUM0447-001 07/01/2021

AMADOR (north of San Joaquin River), EL DORADO (excluding Lake Tahoe area), NEVADA (excluding Lake Tahoe area); PLACER (excluding Lake Tahoe area), SACRAMENTO AND YOLO COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER		
Journeyman.....	\$ 56.37	26.75
Light Commercial Work.....	\$ 36.23	17.72

ROOF0081-006 08/01/2021

MARIN, NAPA, SOLANO AND SONOMA COUNTIES

	Rates	Fringes
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Roofer.....\$ 47.17 19.86

ROOF0081-007 08/01/2021

ALPINE, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA,
PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER,
TEHAMA, TRINITY, YOLO, AND YUBA COUNTIES

Rates Fringes

Roofer.....\$ 41.23 19.61

SFCA0483-003 01/01/2022

MARIN, NAPA, SOLANO AND SONOMA COUNTIES

Rates Fringes

SPRINKLER FITTER (Fire
Sprinklers).....\$ 70.55 35.39

SFCA0669-003 04/01/2021

ALPINE, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA,
PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER,
TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

Rates Fringes

SPRINKLER FITTER.....\$ 42.34 26.29

SHEE0104-006 06/29/2020

MARIN, NAPA, SOLANO SONOMA & TRINITY COUNTIES

Rates Fringes

Sheet Metal Worker
Mechanical Contracts
\$200,000 or less.....\$ 55.92 45.29
All other work.....\$ 64.06 46.83

SHEE0104-009 07/01/2021

AMADOR, COLUSA, EL DORADO, NEVADA, PLACER, SACRAMENTO, SUTTER,
YOLO AND YUBA COUNTIES

Rates Fringes

SHEET METAL WORKER.....\$ 47.85 41.90

SHEE0104-010 07/01/2020

ALPINE COUNTY

Rates Fringes

SHEET METAL WORKER.....\$ 43.50 37.42

SHEE0104-011 07/01/2020

BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, YOLO AND YUBA COUNTIES

	Rates	Fringes
Sheet Metal Worker (Metal decking and siding only).....	\$ 44.45	35.55

SHEE0104-014 07/01/2020

MARIN, NAPA, SOLANO, SONOMA AND TRINITY COUNTIES

	Rates	Fringes
SHEET METAL WORKER (Metal Decking and Siding only).....	\$ 44.45	35.55

SHEE0104-019 07/01/2020

BUTTE, GLENN, LASSEN, MODOC, PLUMAS, SHASTA, SIERRA, SISKIYOU AND TEHAMA COUNTIES

	Rates	Fringes
SHEET METAL WORKER Mechanical Jobs \$200,000 & under.....	\$ 35.16	35.88
Mechanical Jobs over \$200,000.....	\$ 46.60	40.21

TEAM0094-001 07/01/2021

	Rates	Fringes
Truck drivers:		
GROUP 1.....	\$ 35.15	31.42
GROUP 2.....	\$ 35.45	31.42
GROUP 3.....	\$ 35.75	31.42
GROUP 4.....	\$ 36.10	31.42
GROUP 5.....	\$ 36.45	31.42

FOOTNOTES:

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

TRUCK DRIVER CLASSIFICATIONS

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

serviceperson; Hook tender (including loading and unloading); Team driver; Tool room attendant (refineries)

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

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

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

GROUP 5: Dump trucks, 65 yds. and over; Holland hauler; Low bed Heavy Duty Transport over 7 axles

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

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

is available at
<https://www.dol.gov/agencies/whd/government-contracts>.

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

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

Union Rate Identifiers

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

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

Survey Rate Identifiers

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

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

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those

classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

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

WAGE DETERMINATION APPEALS PROCESS

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

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

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

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

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

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

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

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

Administrative Review Board

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

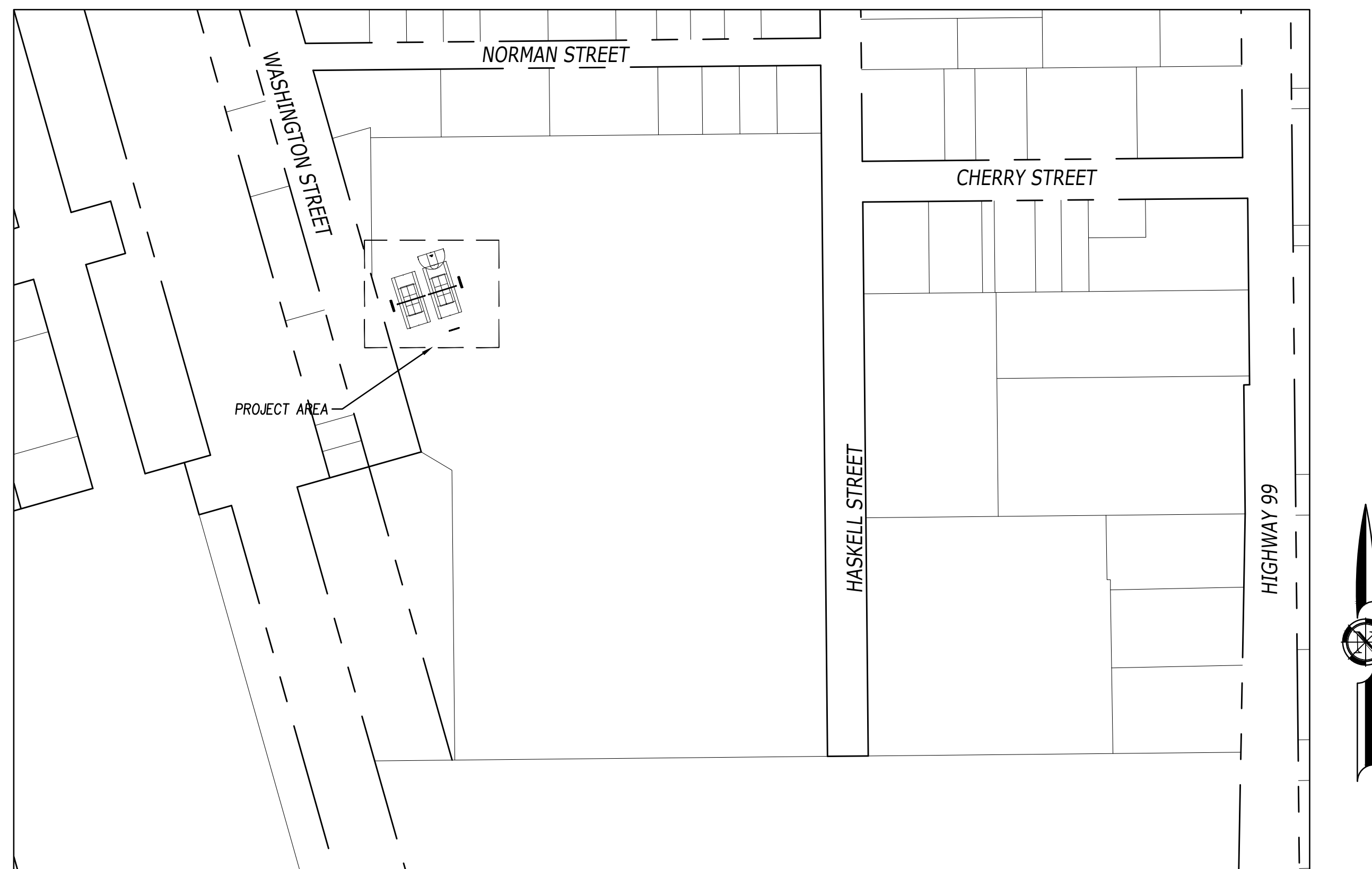
4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"



CALIFORNIA STATE MAP
SCALE: NOT TO SCALE



SUBMITTED BY:



3/10/2022

DATE _____

DAVE HARDEN
PROJECT ENGINEER
GRIDLEY CONTRACT CITY ENGINEER
P.E. 84216

SHEET NO.	SHEET TITLE	SHEET DESCRIPTION
1	G-1	TITLE SHEET
2	G-2	GENERAL NOTES
3	C-1	SITE PLAN
4	C-2	COURT DEMOLITION/PAVING PLAN
5	C-3	DETAILS

UTILITY REPRESENTATIVES

UTILITY	COMPANY	CONTACT	PHONE
ELECTRICAL	BIGGS—GRIDLEY ELECTRIC	DANNY HOWARD	(530) 846—3633
GAS/ELECTRICAL	PACIFIC GAS & ELECTRIC	LAIRD OELRICHS	(530) 896—4258
SEWER	CITY OF GRIDLEY	ROSS PIPPITT	(530) 846—5954
TELEPHONE	AT&T	ASTRID WILLARD	(916) 484—2388
USA	NORTH UNDERGROUND SERVICE ALERT	STAFF	(800) 227—2600
WATER	CITY OF GRIDLEY	ROSS PIPPITT	(530) 846—5954
COMMUNICATIONS	LEVEL 3 COMMUNICATIONS	MATTHEW WILLIAMS	(877) 253—8353




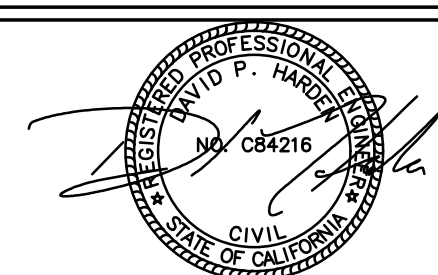
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BENCH MARK **ELEV :** 92.06' **DATUM :** NAVD88
DESCRIPTION :
 HORIZONTAL DATUM: NAD 83 CALIFORNIA ZONE 2, EPOCH
 2010.00 AS ADJUSTED TO NGS DESIGNATION TOWNSHIP, PID
 DH6525
 VERTICAL DATUM: NAVD 88 AS ADJUSTED TO NGS
 DESIGNATION GRIDLEY AZ MK, PID KSO899, ELEVATION
 92.06

DESIGN BY :	A. HOLLADAY
DRAWN BY :	A. HOLLADAY
CHECKED BY :	D. HARDEN
SCALE :	NTS
DATE :	3/15/2022
PROJ NO. :	16607-401

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MANUAL VIERRA PARK - TENNIS COURT REHABILITATION

TITLE SHEET

CALIFORNIA

G-1

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— OF —
5

Login Name : tesshore
File Name : P:\V\16607-401-02-02 G-2 GENERAL NOTES.dwg
User : A.H.M.
Date : 3/15/2022
Time : 10:00:00
Project : VIERRA PARK - TENNIS COURT REHABILITATION
Sheet : 2 of 5
Title : GENERAL NOTES

GENERAL NOTES:

- CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY, BENNETT ENGINEERING SERVICES AND ITS REPRESENTATIVES HARMLESS FROM ANY AND ALL LIABILITY, REAL AND/OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF THIS PROJECT.
- STRUCTURAL COMPONENTS OF THIS SYSTEM MUST COMPLY WITH THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
- CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING FACILITIES, STRUCTURES, ROADS, AND UTILITIES DURING CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH THE CITY CONTRACTED ARBORIST TO ASSESS ROOT PRUNING IN THE PROTECTED ROOT ZONES, UPON REMOVAL OF THE EXISTING PAVEMENT SURFACE.
- A SET OF SIGNED WORKING DRAWINGS AND A SET OF SPECIFICATIONS WILL BE KEPT AT ALL TIMES AT THE JOB SITE ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK, INCLUDING ALL EXISTING UTILITIES, ARE TO BE RECORDED AND/OR CORRECTED DAILY AND SUBMITTED TO THE ENGINEER WHEN THE WORK TO BE DONE IS COMPLETED.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT TEMPORARY BARRIERS TO PROVIDE FOR THE SAFETY OF THE STAFF WORKERS AND PUBLIC TO THE SATISFACTION OF THE ENGINEER AND THE CITY.
- ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL COOPERATE WITH ALL CITY STAFF, IF REQUIRED, TO FACILITATE MAKING AREAS READY FOR WORK.
- CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS SUPERVISOR AT LEAST 72 HOURS IN ADVANCE OF COMMENCEMENT OF ANY PART OF THE WORK.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION SCHEDULE WITH ENGINEER AND CITY CONTRACTED ARBORIST.
- CONTRACTOR IS RESPONSIBLE FOR PROCURING AND PAYING FOR ANY AND ALL NECESSARY PERMITS, INCLUDING BUT NOT LIMITED TO BUILDING, ENCROACHMENT AND OR TRANSPORTATION PERMITS.
- ALL UTILITIES SHOWN ARE APPROXIMATE AND WERE TAKEN FROM AVAILABLE RECORD DRAWINGS NOTIFY UNDERGROUND SERVICES ALERT 48 HOURS PRIOR TO ANY GRADING OR EXCAVATION WITHIN THE SITE 1-800-642-2444.
- ALL TREES ON SITE SHALL BE PROTECTED, AND THE ARBORIST SHALL BE CONSULTED PRIOR TO PRUNING, CUTTING OR TRIMMING TREES OR THEIR ROOTS.
- CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AROUND PROJECT AREA TO ORIGINAL CONDITION OR BETTER. THIS INCLUDES DAMAGE TO ANY GRASS, PARKING LOT AREAS, CURBS AND MORE THAT MAY BE DAMAGED DUE TO CONSTRUCTION EQUIPMENT ACCESS OR CONSTRUCTION ACTIVITIES.
- ALL WORK SHALL BE IN CONFORMANCE WITH ALL APPLICABLE CODES, INCLUDING THE CALIFORNIA BUILDING CODE, MOST RECENT EDITION, THE CITY STANDARDS AND SPECIFICATIONS, AND THE NATIONAL ELECTRICAL COD.

ABBREVIATIONS:

∠	ANGLE
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AP	ANGLE POINT
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BSW	BACK OF SIDEWALK
C&G	CURB AND GUTTER
C&S	CURB, GUTTER AND SIDEWALK
CL	CENTER LINE
CH	CHORD
CLR	CLEAR
CO	CLEANOUT
CONC	CONCRETE
CONST	CONSTRUCT
CTV	CABLE TV
CR	CURB RETURN
DI	DROP INLET
DRWY	DRIVEWAY
DWG	DRAWING
EC	END CURVE
ECR	END CURB RETURN
EG	EXISTING GRADE
EJ	EXPANSION JOINT
EL,ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
FC	FACE OF CURB
FD	FOUND
FG	FINISHED GROUND
FH	FIRE HYDRANT
FL	FLOW LINE
FM	FORCE MAIN
G	GAS
GB	GRADE BREAK
GFL	GUTTER FLOW LINE
GR	GRATE
GV	GATE VALVE
HP	HIGH POINT
HR	HANDICAP RAMP
INV	INVERT
IP	IRON PIPE
JP	JOINT POLE
L=	LENGTH
LF	LINEAR FEET
LT	LEFT
LP	LOW POINT
ME	MAINTENANCE EASEMENT
MH	MANHOLE
MP	MIDPOINT
NTS	NOT TO SCALE
OH	OVERHEAD
PB	PULL BOX
PCC	POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
PS	PLANTER STRIP
PT	POINT
PUE	PUBLIC UTILITY EASEMENT
PVMT	PAVEMENT
R,R=	RADIUS
RT	RIGHT
R/W	RIGHT-OF-WAY
S=	SLOPE
SD	STORM DRAIN
SDCO	STORM DRAIN CLEANOUT
SDMH	STORM DRAIN MH
SDMK,SW	SIDEWALK
SECT	SECTION
SHT	SHEET
SS	SANITARY SEWER
SSMH	SANITARY SEWER MH
STA	STATION
T	TELEPHONE
TC	TOP OF CURB
TCE	TEMPORARY CONSTRUCTION ENTRANCE
TYP	TYPICAL
W,WTR	WATER
WV	WATER VALVE
XW	CROSSWALK

LEGEND

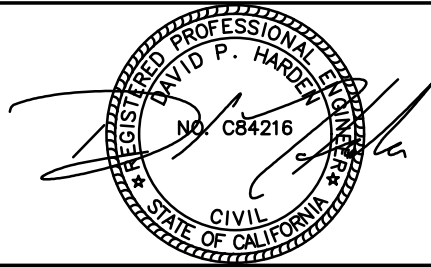
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ASSESSOR'S PARCEL NO.	(25-025-254)	
SURVEY MONUMENT	⊙	
SURVEY BENCHMARK	⚠	
SPOT ELEVATION	△ 225.0	
CONTOUR LINE	- - - 160 - - -	160
CATCHLINE (CUT)		- - C - - C - -
CATCHLINE (FILL)		- - F - - F - -
FLOWLINE	→	→
JOINT UTILITY POLE	⚡	
UTILITY POLE	⚡	
GUY WIRE & ANCHOR	- - -)	
CENTERLINE	- - -	- - -
AC DIKE	//	//
FENCE (CHAINLINK)	- o - o -	
FENCE (WOOD)	- a - a - a - a -	
GUARDRAIL	- a - a - a - a -	
PROPERTY LINE	- - -	- - -
RIGHT-OF-WAY	- - -	- - -
TOP OF EMBANKMENT	- Y - Y -	- Y - Y -
TOE OF EMBANKMENT	- - -	- - -
STORM DRAIN	- 12" SD - - -	- 12" SD - - -
STORM DRAIN MANHOLE	⊙	⊙
STORM DRAIN CATCH BASIN	⊞	⊞
SANITARY SEWER	- - - 4" SS - - -	- - - 4" SS - - -
SANITARY SEWER MANHOLE	⊙	⊙
SANITARY SEWER CLEANOUT	⊙	⊙
AIR RELEASE VALVE	⊙	⊙
AIR VACUUM RELEASE VALVE	⊙	⊙
BLOW-OFF VALVE	⊙	⊙
BUTTERFLY VALVE	⊙	⊙
CHECK VALVE	⊙	⊙
DOUBLE-DETECTOR CHECK VALVE	⊙	⊙
FIRE DEPARTMENT CONNECTION	⊙	⊙
FIRE HYDRANT	⊙	⊙
HOSE BIBB	⊙	⊙
IRRIGATION CONTROL VALVE	⊙	⊙
POST INDICATOR VALVE	⊙	⊙
WATER MAIN	- - - 12" W - - -	- - - 12" W - - -
WATER MANHOLE	⊙	⊙
WATER SERVICE METER	⊙	⊙
WATER VALVE	⊙	⊙
WATER VAULT	⊙	⊙
ELECTRICAL MANHOLE	⊙	⊙
ELECTRICAL PULLBOX	⊙	⊙
ELECTRICAL PANEL	⊙	⊙
ELECTRICAL TRANSFORMER	⊙	⊙
ELECTRICAL VAULT	⊙	⊙
TELEPHONE MANHOLE	⊙	⊙
TELEPHONE PEDESTAL	⊙	⊙
TELEPHONE POLE	⊙	⊙
TELEPHONE PULLBOX	⊙	⊙
TELEPHONE VAULT	⊙	⊙
MISC MANHOLE	⊙	⊙
STREET LIGHT	⊙	⊙
STREET LIGHT PULLBOX	⊙	⊙
STREET LIGHT W/TRAFFIC SIGNAL	⊙	⊙
TRAFFIC SIGNAL	⊙	⊙
TRAFFIC SIGNAL PULLBOX	⊙	⊙
GAS MAIN	- - - G - - -	- - - G - - -
GAS METER	⊙	⊙
OVERHEAD UTILITY LINE	- - - OH - - -	- - - OH - - -
UNDERGROUND ELECTRICAL	- - - E - - -	- - - E - - -
OVERHEAD ELECTRICAL	- - - OE - - -	- - - OE - - -
UNDERGROUND TELEPHONE	- - - T - - -	- - - T - - -
OVERHEAD TELEPHONE	- - - OT - - -	- - - OT - - -
MAILBOX	⊙	⊙
TREE/TREE WELL	⊙	⊙
BUILDING	⊙	⊙

NO.	REVISIONS	BY	DATE
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BENCH MARK	ELEV : 92.08'	DATUM : NAVD88
DESCRIPTION :	HORIZONTAL DATUM: NAD 83 CALIFORNIA ZONE 2, EPOCH 2010.00 AS ADJUSTED TO NGS DESIGNATION TOWNSHIP, PID D16525	
	VERTICAL DATUM: NAVD 88 AS ADJUSTED TO NGS DESIGNATION GRIDLEY AZ MK, PID KS0899, ELEVATION 92.06	

DESIGN BY :	A. HOLLADAY
DRAWN BY :	A. HOLLADAY
CHECKED BY :	D. HARDEN
SCALE :	1"=XX'
DATE :	3/15/2022
PROJ NO. :	16607-401

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MANUAL VIERRA PARK - TENNIS COURT REHABILITATION

GENERAL NOTES

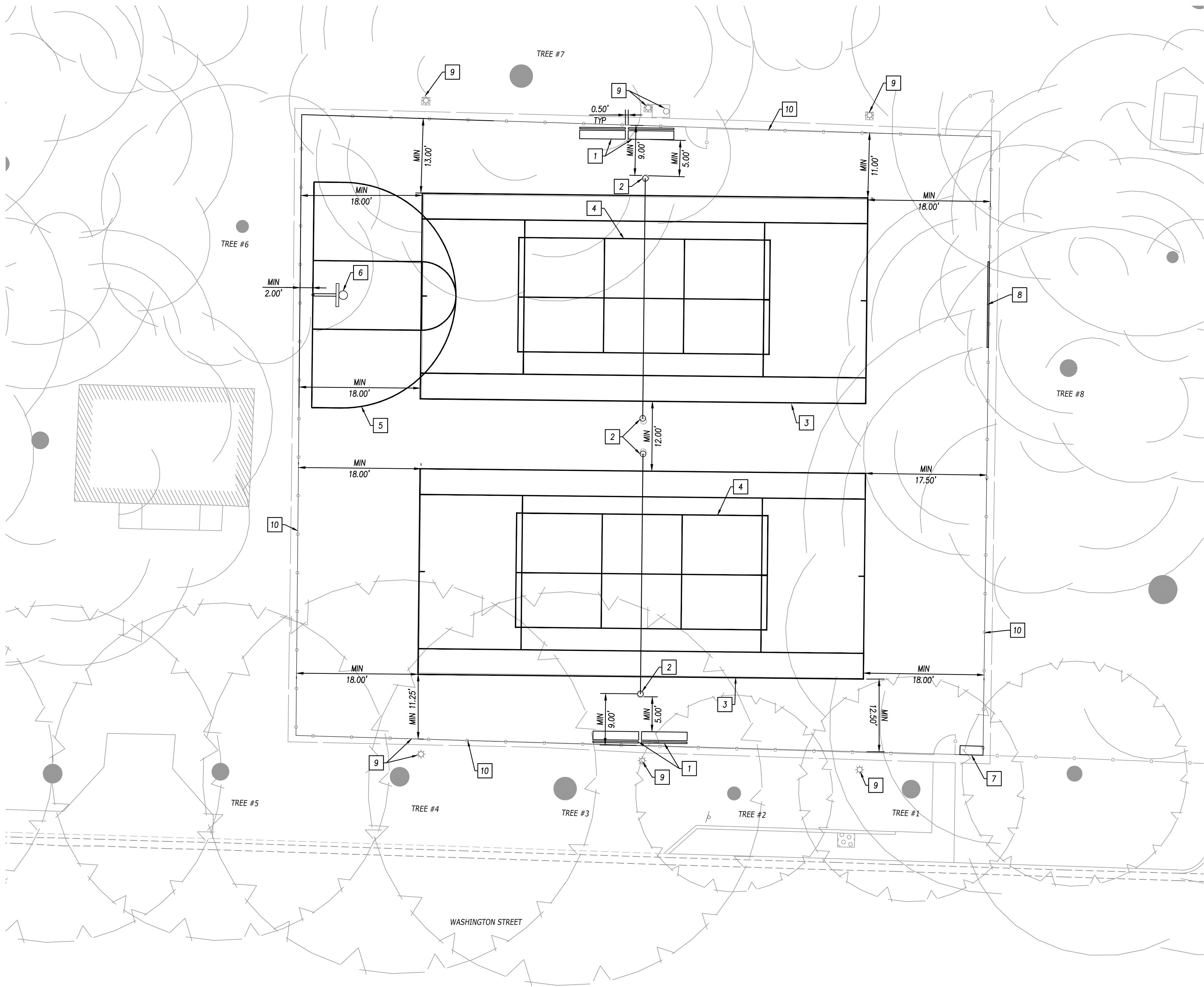
CALIFORNIA

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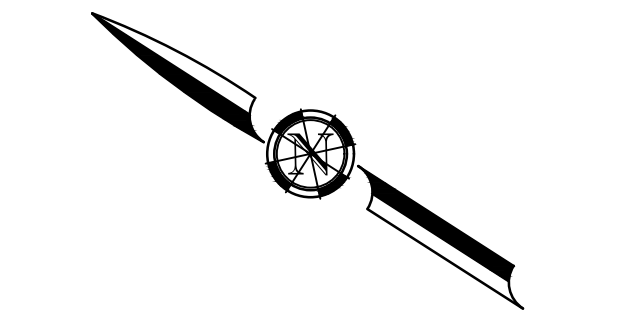


CONSTRUCTION NOTES:

- 1. INSTALL BENCH; MIN 6" CLR FENCE TO BENCH
- 2. INSTALL NETS, POSTS AND TIE DOWNS PER SPECIFICATIONS
- 3. PAINT 2-INCH WHITE LINES FOR TENNIS COURTS, SEE DTL 2 ON SHT C-3
- 4. PAINT 2-INCH WHITE LINES FOR PICKLEBALL COURTS, SEE DTL 2 ON SHEET C-3
- 5. PAINT 2-INCH WHITE KEY AND 3 POINT LINE FOR BASKETBALL COURT, SEE DTL 1 ON SHT C-3
- 6. INSTALL BASKETBALL GOAL ASSEMBLY PER SPECIFICATION AND DTL 3 ON SHT C-3
- 7. REPLACE EXISTING ELECTRICAL BOX AND LIGHTING TIMER; BY C-10 CONTRACTOR
- 8. INSTALL TENNIS BACKBOARD PER SPECIFICATIONS
- 9. PROTECT IN PLACE
- 10. INSTALL 6' WINDSCREEN ALONG FENCELINE PER SPECIFICATIONS

GENERAL NOTES:

- 1. SEE SHT C-2 FOR DEMOLITION/PAVING PLAN.
- 2. ALL TREES SHALL BE PROTECTED, AND THERE SHALL BE NO EXCAVATION WITHIN THE PROTECTED ROOT ZONE OF THE TREES, UNLESS APPROVED BY THE CITY ENGINEER. SEE SHT C-2 FOR THE PROTECTED ROOT ZONE OF THE TREES.
- 3. INTERIOR OF COURTS AND KEY SHALL BE PAINTED BLUE AND THE SURROUNDING AREA SHALL BE FOREST GREEN.

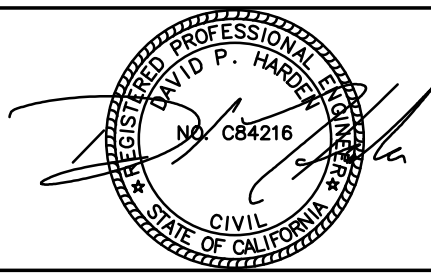


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BENCH MARK	ELEV : 92.08'	DATUM : NAVD88
DESCRIPTION :	HORIZONTAL DATUM: NAD 83 CALIFORNIA ZONE 2, EPOCH 2010.00 AS ADJUSTED TO NGS DESIGNATION TOWNSHIP, PID D16525	
VERTICAL DATUM:	NAVD 88 AS ADJUSTED TO NGS DESIGNATION GRIDLEY AZ MK, PID KS0899, ELEVATION 92.06	

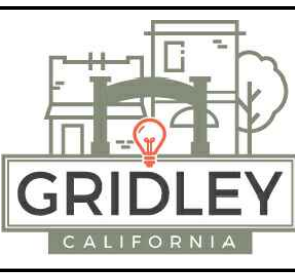
DESIGN BY :	A. HOLLADAY
DRAWN BY :	A. HOLLADAY
CHECKED BY :	D. HARDEN
SCALE :	1"=XX'
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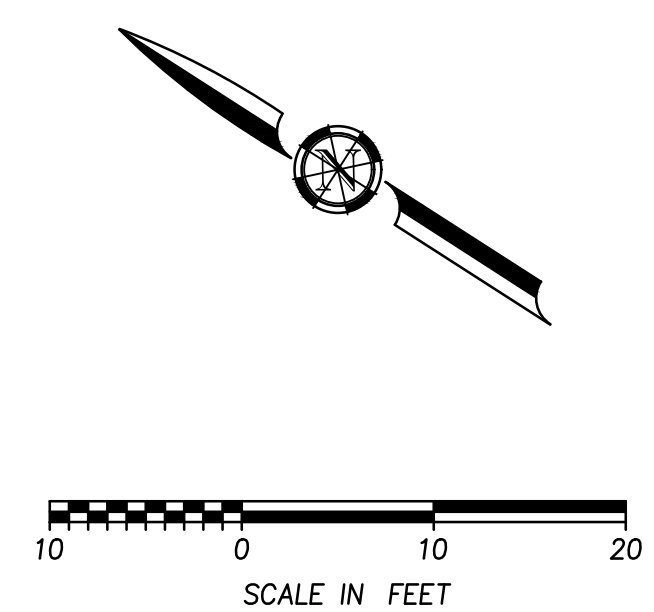
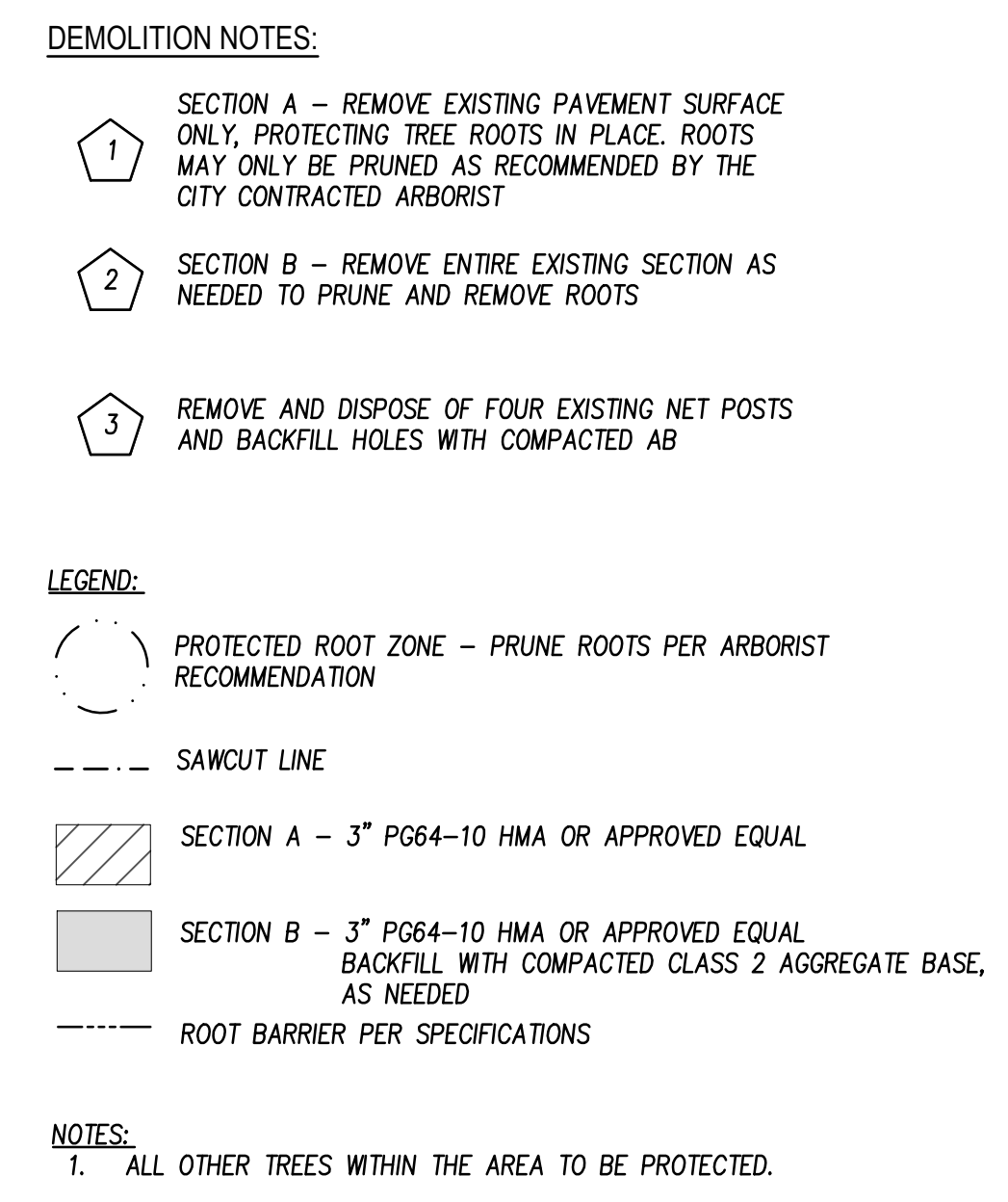
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MANUAL VIERRA PARK - TENNIS COURT REHABILITATION

SITE PLAN

CALIFORNIA




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BENCH MARK ELEV : 92.06' DATUM : NAVD88
 DESCRIPTION :
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 2010.00 AS ADJUSTED TO NGS DESIGNATION TOWNSHIP, PID
 DH6525
 VERTICAL DATUM: NAVD 88 AS ADJUSTED TO NGS
 DESIGNATION GRIDLEY AZ MK, PID KS0899, ELEVATION
 92.06

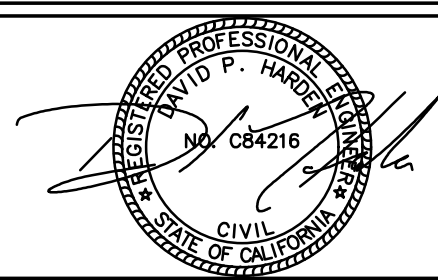
DESIGN BY :	A. HOLLADAY
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CHECKED BY :	D. HARDEN
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DATE :	3/15/2022
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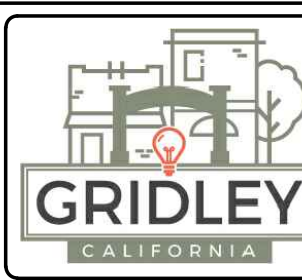
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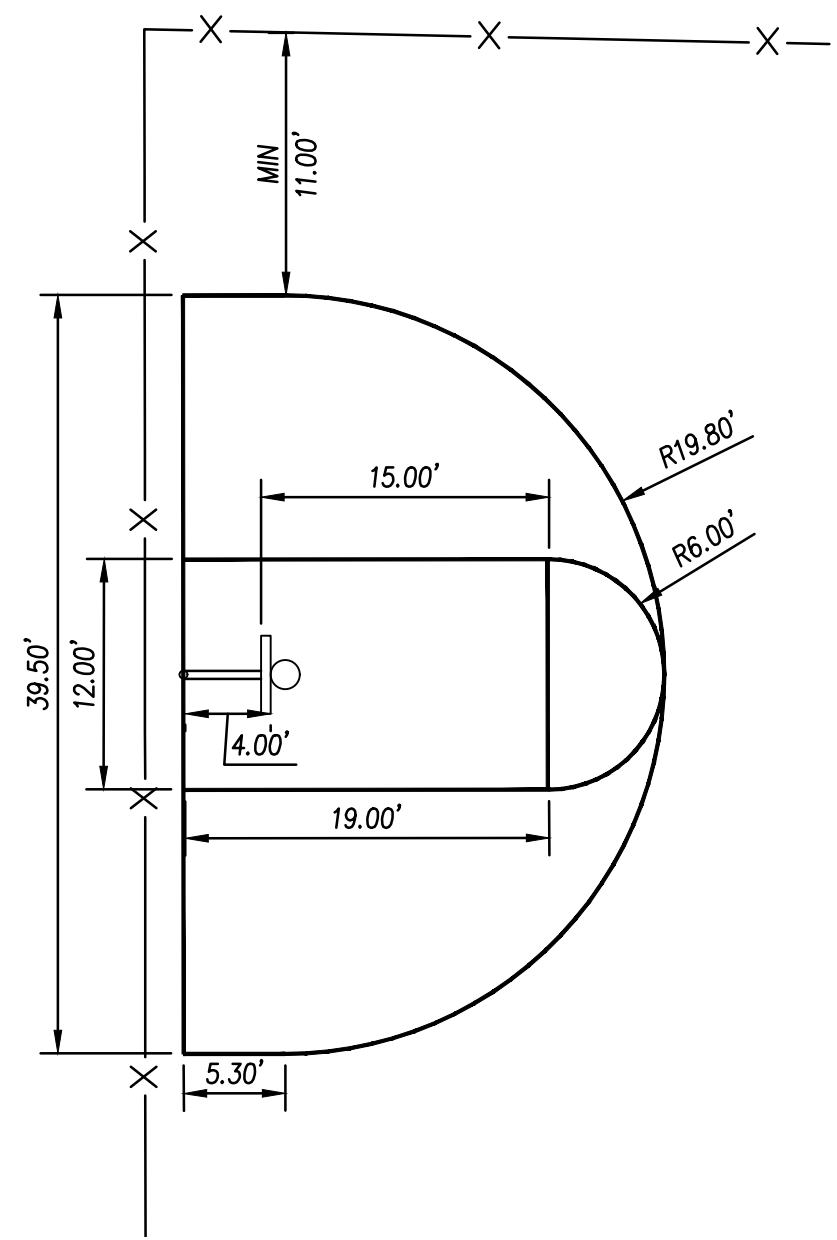
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MANUAL VIERRA PARK - TENNIS COURT REHABILITATION

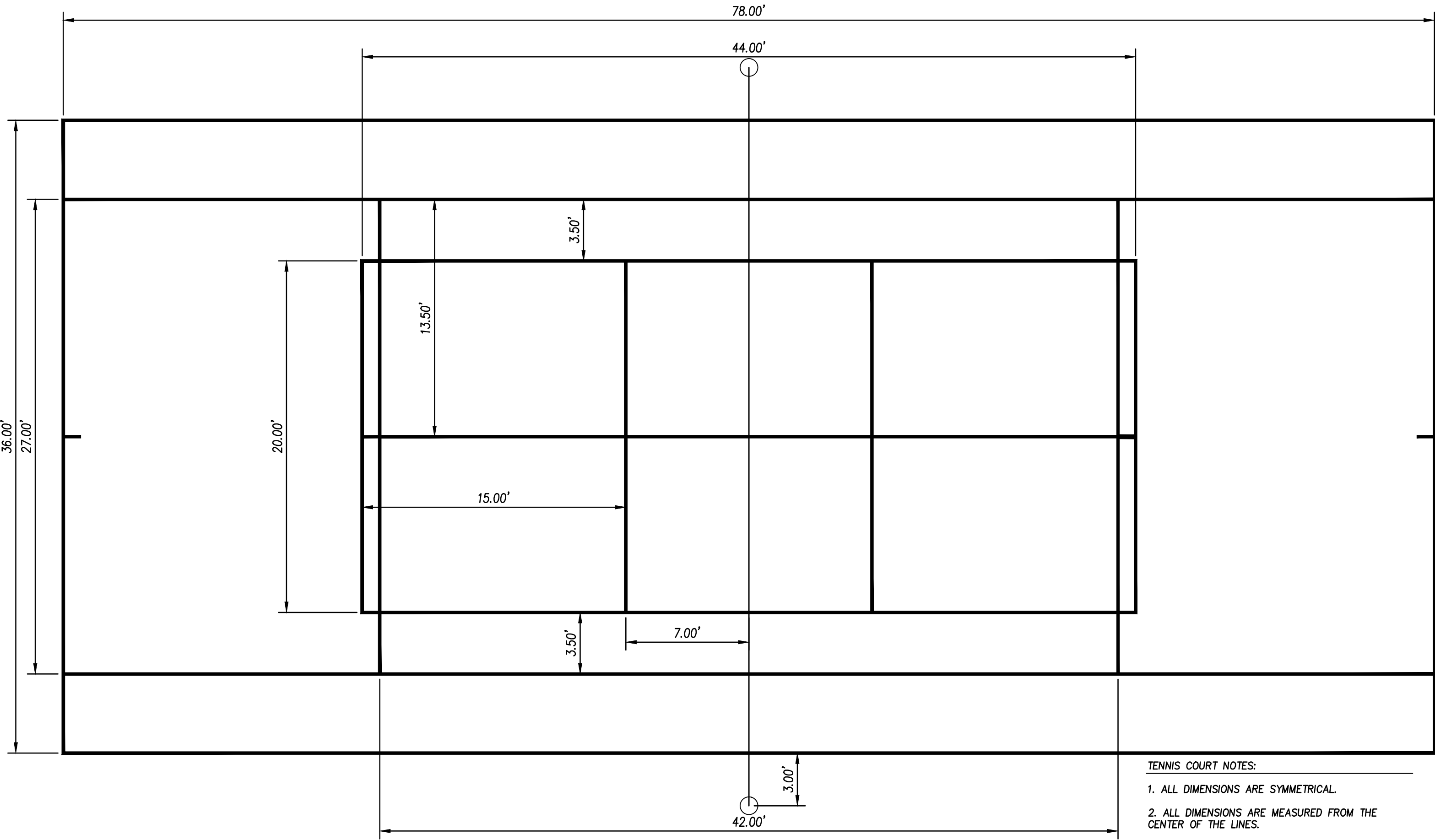
COURT DEMOLITION/PAVING PLAN

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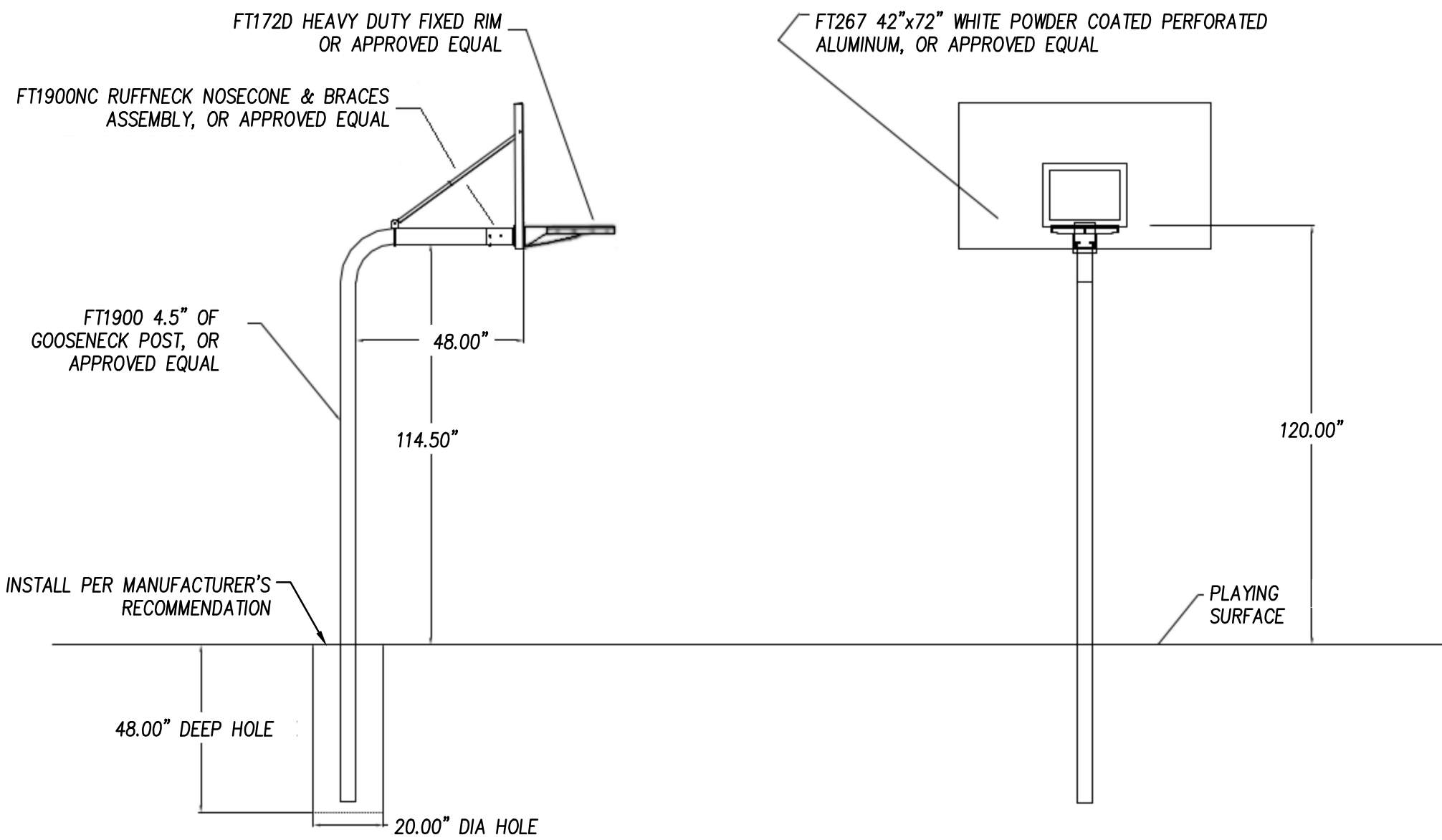
- BASKETBALL COURT NOTES:**
1. DIMENSIONS ARE SYMMETRIC.
 2. ALL DIMENSIONS ARE MEASURED TO OUTSIDE OF STRIPING.
 3. CONTRACT TO ENSURE ALL LINES ARE SQUARE PRIOR TO APPLYING PAINT.

1 BASKETBALL KEY STRIPING DETAIL
- NTS

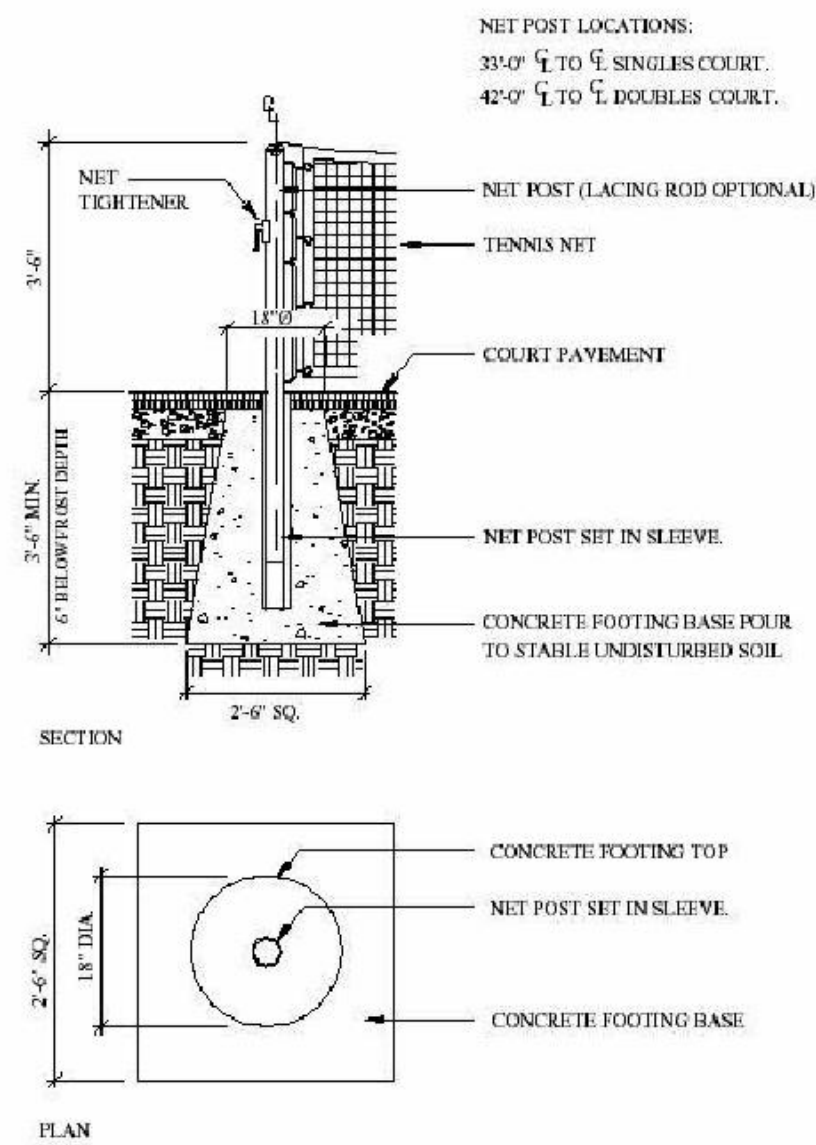


- TENNIS COURT NOTES:**
1. ALL DIMENSIONS ARE SYMMETRICAL.
 2. ALL DIMENSIONS ARE MEASURED FROM THE CENTER OF THE LINES.
 3. CONTRACTOR TO ENSURE ALL LINES ARE SQUARE PRIOR TO APPLYING PAINT.
 4. PAINT TYPE PER SPECIFICATIONS.

2 TENNIS/PICKLEBALL COURT STRIPING DETAIL
- NTS



3 BASKETBALL GOAL ASSEMBLY DETAIL
- NTS



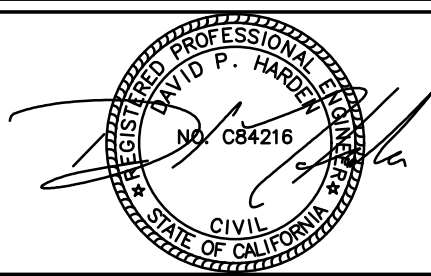
4 TENNIS NET POST DETAIL
- NTS

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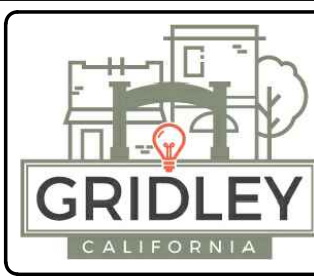
BENCH MARK	ELEV : 92.08'	DATUM : NAVD88
DESCRIPTION :	HORIZONTAL DATUM: NAD 83 CALIFORNIA ZONE 2, EPOCH 2010.00 AS ADJUSTED TO NGS DESIGNATION TOWNSHIP, PID D18525	
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DRAWN BY :	A. HOLLADAY
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MANUAL VIERRA PARK - TENNIS COURT REHABILITATION

DETAILS

CALIFORNIA