

Santee School District  
Purchasing Department  
9625 Cuyamaca Street, Santee, CA 92071  
Phone: (619) 258-2329 • FAX: (619) 258-2260

District website: <http://www.santeesd.net/Page/7662>  
Go to [www.santeesd.net](http://www.santeesd.net) - Purchasing Dept. - Click on Bid Opportunities for information on this bid

**IT IS THE BIDDERS RESPONSIBILITY TO ENSURE THEY HAVE RECEIVED ALL ADDENDUMS. ADDENDUMS ARE POSTED ON THE DISTRICT WEBSITE.**

**INVITATION TO BID**

**BID #2022-075-001  
ASPHALT REPLACEMENT AT CARLTON OAKS AND  
CRACK FILL AND SLURY SEAL/ LINE STRIPING  
AT HILL CREEK SCHOOL**

PRE-BID MANDATORY JOB WALK.....Wednesday, April 13, 2022: Start Time 10:00 AM.

BID SUBMISSION DATE: .....Thursday, April 13, 2022, 10:00 AM  
Maintenance & Operations Building, 9880 Riverwalk Drive, Santee, CA 92071

**SANTEE SCHOOL DISTRICT CONTACT INFORMATION:**

Bryce Storm, Director of Facilities, Maintenance, & Operations (619) 258-2334, [bryce.storm@santeesd.net](mailto:bryce.storm@santeesd.net)  
Chris Erwin, M&O Lead, (619) 368-8399, [chris.erwin@santeesd.net](mailto:chris.erwin@santeesd.net)  
Tami Killpack, Purchasing Technician (619) 258-2329, [tamara.killpack@santeesd.net](mailto:tamara.killpack@santeesd.net)

**SUBMITTED BY:**

Name of Company
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**IMPORTANT NOTICE TO BIDDER:**

1. That your name and address appear in the UPPER left corner.
2. That the following notice be filled in and posted on the LOWER LEFT CORNER.

<b>BID SUBMISSION DATE THURSDAY, APRIL 28, 2022</b>	<b>BID #2022-075-001 ASPHALT REPLACEMENT AT CARLTON OAKS AND CRACK FILL AND SLURY SEAL/ LINE STRIPING AT HILL CREEK SCHOOL</b>
<b>BIDS TO BE RECEIVED BY: 10:00 AM</b>	<b>LOCATION: MAINTENANCE &amp; OPERATIONS BUILDING 9880 RIVERWALK DRIVE, SANTEE CA 92071</b>

**SANTEE SCHOOL DISTRICT  
CONSTRUCTION  
CONTRACT DOCUMENTS**

**Revised  
2017**

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- **MUST BE COMPLETED AND RETURNED FOR BID OPENING. THE REST OF THE BID PACKAGE TO BE KEPT FOR YOUR INFORMATION AS CONTRACT DOCUMENTS**



# NOTICE INVITING BIDS

The **SANTEE SCHOOL DISTRICT** will receive bids for:

**BID #2022-075-001  
ASPHALT REPLACEMENT AT CARLTON OAKS AND  
CRACK FILL AND SLURY SEAL/ LINE STRIPING  
AT HILL CREEK SCHOOL**

at the **Maintenance & Operations Building, 9880 Riverwalk Drive, Santee CA 92071, at 10:00 a.m. on Thursday, April 28, 2022.** The estimated cost for the project is between \$200,000 and \$500,000.

**OBTAINING BID DOCUMENTS:** Bidders may secure a set of bid documents by going to the District website at [www.santeesd.net](http://www.santeesd.net) and clicking on the purchasing department and clicking on bid documents or using this link: [https://www.santeesd.net/departments/business\\_services/purchasing/bid\\_opportunities\\_rfp](https://www.santeesd.net/departments/business_services/purchasing/bid_opportunities_rfp). It is the Bidders responsibility to ensure they have received all addendum and bid documents.

**A MANDATORY JOB WALK** will be held on, **Friday April 13, 2022, at 10:00 a.m.** Bidders shall meet **CARLTON OAKS AND HILL CREEK SCHOOL.** Carlton oaks school will be first., **9353 Weathersfield Rd, Santee, CA 92071.** Following this walk all bidders will then meet at **9665 Jeremy St. Santee Ca, 92071** Note: Bidders must attend all site walks to be eligible to bid.

Bids must be accompanied by cash, a certified or cashier's check, or a Bid Bond in favor of the District in an amount not less than ten percent (10%) of the submitted Total Bid Price. Each bid shall be accompanied by the security referred to in the Contract Documents, the non-collusion declaration, the list of proposed subcontractors, and all additional documentation required by the bid documents.

The successful bidder(s) will be required to furnish the District with a Performance Bond equal to one-hundred percent (100%) of the successful bid, and a Payment Bond equal to one-hundred percent (100%) of the successful bid, prior to execution of the Contract, regardless of the contract amount. All bonds are to be secured from a surety that meets all of the State of California bonding requirements, as defined in Code of Civil Procedure Section 995.120, and is admitted by the State of California with a rating of A++, A+, A, or no less than A-.

Pursuant to Public Contract Code Section 22300, the successful bidder may substitute certain securities for funds withheld by District to ensure his performance under the contract.

**WAGES:** The Director of the Department of Industrial Relations has determined the general prevailing rate of per diem wages in the locality in which this public work is to be performed for each craft, classification, or type of worker needed to execute the contract, which can be obtained at <http://www.dir.ca.gov/dlsr/dprewagedetermination.htm>. Every bidder is subject to the Labor Compliance Program (LCP) requirements per SB 854 established June 20, 2014.

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: **(A) General Engineering Contractor or (C12) Earthwork & Paving Contractor.**

Pursuant to Public Contract Code Section 3400(b), if the District has made any findings designating certain materials, products, things, or services by specific brand or trade name, such findings and the materials, products, things, or services and their specific brand or trade names will be set forth in the Project Specifications.

Minority, women, and disabled veteran (DVBE) contractors are encouraged to submit bids and bidders are encouraged to make a good faith effort to contact and utilize DVBE subcontractors and suppliers, providing documentation with their bid.

The District reserves the right to reject any and all bids and to waive any irregularities or informalities in any bids or in the bidding. No bidder may withdraw his bid for a period of 30 days after the date set for the opening of bids.

For further information, please contact, Bryce Storm, Director of Facilities, Maintenance, & Operations at (619) 258-2334, [bryce.storm@santeesd.net](mailto:bryce.storm@santeesd.net) or Chris Erwin, Maintenance & Operations Lead, (619) 368-8399, [chris.erwin@santeesd.net](mailto:chris.erwin@santeesd.net) or Tami Killpack, Purchasing Technician (619) 258-2329, [tamara.killpack@santeesd.net](mailto:tamara.killpack@santeesd.net).

March 30 & April , 2022

BOARD OF EDUCATION OF THE SANTEE SCHOOL DISTRICT

# SANTEE SCHOOL DISTRICT

## INSTRUCTIONS TO BIDDERS

### 1. AVAILABILITY OF CONTRACT DOCUMENTS

Bids must be submitted to the District on the Bid Forms which are a part of the Bid Package for the Project. Prospective bidders may obtain one (1) complete set of Contract Documents at no cost. Contract Documents may be obtained from the location(s) and at the time(s) indicated in the Notice Inviting Bids. Prospective bidders are encouraged to telephone in advance to determine the availability of Contract Documents. Any applicable charges for the Contract Documents are outlined in the Notice Inviting Bids.

The District may also make the Contract Documents available for review at one or more plan rooms, as indicated in the Notice Inviting Bids. Please Note: Prospective bidders who choose to review the Contract Documents at a plan room must contact the District to obtain the required Contract Documents if they decide to submit a bid for the Project.

### 2. EXAMINATION OF CONTRACT DOCUMENTS

The District has made copies of the Contract Documents available, as indicated above. Bidders shall be solely responsible for examining the Project Site(s) and the Contract Documents, including any Addenda issued during the bidding period, and for informing itself with respect to local labor availability, means of transportation, necessity for security, laws and codes, local permit requirements, wage scales, local tax structure, contractors' licensing requirements, availability of required insurance, and other factors that could affect the Work. Bidders are responsible for consulting the standards referenced in the Contract. Failure of Bidder to so examine and inform itself shall be at its sole risk, and no relief for error or omission will be given except as required under State law.

### 3. INTERPRETATION OF CONTRACT DOCUMENTS

Discrepancies in, and/or omissions from the Scope of Work, Plans, Specifications or other Contract Documents or questions as to their meaning shall be immediately brought to the attention of the District by submission of a written request for an interpretation or correction to the District. Such submission, if any, must be sent to Bryce Storm (619) 258-2334, [bryce.storm@santeesd.net](mailto:bryce.storm@santeesd.net). All requests for information shall be sent no later than **12:00 p.m. on Wednesday, April 25, 2022**.

Any interpretation of the Contract Documents will be made only by written addenda duly issued and mailed or delivered to each person or firm who has purchased a set of Contract Documents. The District will not be responsible for any explanations or interpretations provided in any other manner. No person is authorized to make any oral interpretation of any provision in the Contract Documents to any bidder, and no bidder should rely on any such oral interpretation.

Bids shall include complete compensation for all items that are noted in the Contract Documents as the responsibility of the Contractor.

### 4. INSPECTION OF SITE; PRE-BID CONFERENCE AND SITE WALK

Each prospective bidder is responsible for fully acquainting itself with the conditions of the Project Site as well as those relating to the construction and labor of the Project, to fully understand the facilities, difficulties and restrictions which may impact the cost or effort required to complete the Project. To this

end, a Pre-Bid Conference and Site Walk may be held on the date(s) and time(s) as indicated in the Notice Inviting Bids.

## **5. ADDENDA**

The District reserves the right to revise the Contract Documents prior to the bid opening date. Revisions, if any, shall be made by written Addenda. All addenda issued by the District shall be included in the bid and made part of the Contract Documents. Pursuant to Public Contract Code Section 4104.5, if the District issues an Addendum which includes material changes to the Project less than 72 hours prior to the deadline for submission of bids, the District will extend the deadline for submission of bids. The District may determine, in its sole discretion, whether an Addendum warrants postponement of the bid submission date. Each prospective bidder shall provide District a name, address and email address to which Addenda may be sent, as well as a telephone number by which the District can contact the bidder. Copies of Addenda will be furnished by e-mail without charge to all parties who have obtained a copy of the Contract Documents and provided such current information. Please Note: Bidders are responsible for ensuring that they have received any and all Addenda. To this end, each bidder should contact the Purchasing Department to verify that he has received all Addenda issued, if any, prior to the bid opening. Addenda will also be posted on the District's webpage: [www.santeesd.net](http://www.santeesd.net) in the Purchasing Department under Bid Opportunities.

## **6. ALTERNATE BIDS**

If alternate bid items are called for in the Contract Documents, the lowest bid will be determined on the basis of the Total Bid Price including all alternates. The time required for completion of the alternate bid items has been factored into the Contract duration and no additional Contract time will be awarded for any of the alternate bid items. The District may elect to include one or more of the alternate bid items, or to otherwise remove certain work from the Project scope of work, accordingly each Bidder must ensure that each bid item contains a proportionate share of profit, overhead and other costs or expenses which will be incurred by the Bidder.

## **7. COMPLETION OF BID FORMS**

Bids shall only be prepared using copies of the Bid Forms which are included in the Contract Documents. The use of substitute bid forms other than clear and correct photocopies of those provided by the District will not be permitted. Bids shall be executed by an authorized signatory as described in these Instructions to Bidders. In addition, Bidders shall fill in all blank spaces (including inserting "N/A" where applicable) and initial all interlineations, alterations, or erasures to the Bid Forms. Bidders shall neither delete, modify, nor supplement the printed matter on the Bid Forms nor make substitutions thereon. USE OF BLACK OR BLUE INK, INDELIBLE PENCIL OR A TYPEWRITER IS REQUIRED. Deviations in the bid form may result in the bid being deemed non-responsive.

## **8. MODIFICATIONS OF BIDS**

Each Bidder shall submit its Bid in strict conformity with the requirements of the Contract Documents. Unauthorized additions, modifications, revisions, conditions, limitations, exclusions or provisions attached to a Bid may render it non-responsive and may cause its rejection. Bidders shall neither delete, modify, nor supplement the printed matter on the Bid Forms, nor make substitutions thereon. Oral, telephonic and electronic modifications will not be considered, unless the Notice Inviting Informal Bids authorizes the submission of electronic bids and modifications thereto and such modifications are made in accordance with the Notice Inviting Bids.

## **9. DESIGNATION OF SUBCONTRACTORS**

Pursuant to State law, the Bidders must designate the name and location of each subcontractor who will perform work or render services for the Bidder in an amount that exceeds one-half of one percent (1/2%)



of the Bidder's Total Bid Price, as well as the portion of work each such subcontractor will perform on the form provided herein by the District. No additional time will be provided to bidders to submit any of the requested information in the Designation of Subcontractor form.

## **10. DISABLED VETERAN BUSINESS ENTERPRISES**

Compliance with Disabled Veteran Business Enterprise (DVBE) contracting goals **is encouraged** for this project. In accordance with Education Code section 17076.11 the District has a DVBE participation goal of 3% per year of the overall dollar amount of state funds allocated to the District pursuant to the Leroy F. Greene School Facilities Act of 1998, and expended each year by the District. The District is seeking DVBE participation in this project.

Bidders are encouraged to make a good faith effort to contact and utilize DVBE subcontractors and suppliers in securing bids for performance of the contract. Information regarding certified DVBE firms can be obtained from the Office of Small Business Certification and Resources (OSBCR) at (916) 323-5478 or (916) 322-5060 as well as the OSBCR website at [www.dgs.ca.gov/osbcr](http://www.dgs.ca.gov/osbcr). Verification of DVBE status must be obtained from the OSBCR by receiving an approved certification letter and reference number from that office. Bidders are to attach documentation of their good faith efforts to the bid documents.

Bidders must indicate on the bid form whether they are a certified DVBE and provide a copy of the DVBE Certification Letter issued by OSBCR. Bidders must also indicate that a good faith effort was made to include DVBE subcontractors and suppliers in the bid. In addition, bidders must indicate on the Designation of Subcontractors form whether the subcontractor is DVBE certified, and provide the District a copy of the DVBE Certification Letter issued by OSBCR.

For projects funded by the State, prior to, and as a condition precedent for final payment under the Contract, the successful bidder shall provide the District with written documentation identifying the amount paid to certified DVBE subcontractors and suppliers in performance of the Contract and provide a copy of the DVBE Certification Letter issues by OSBCR for each DBVE. This documentation will be used by the District to evaluate its success in meeting its DVBE participation goal.

## **11. LICENSING REQUIREMENTS**

Pursuant to Section 7028.15 of the Business and Professions Code and Section 3300 of the Public Contract Code, all bidders must possess proper licenses for performance of this Contract. Subcontractors must possess the appropriate licenses for each specialty subcontracted. Pursuant to Section 7028.5 of the Business and Professions Code, the District shall consider any bid submitted by a contractor not currently licensed in accordance with state law and pursuant to the requirements found in the Contract Documents to be nonresponsive, and the District shall reject the Bid. The District shall have the right to request, and Bidders shall provide within five (5) calendar days, evidence satisfactory to the District of all valid license(s) currently held by that Bidder and each of the Bidder's subcontractors, before awarding the Contract.

## **12. SIGNING OF BIDS**

All Bids submitted shall be executed by the Bidder or its authorized representative. Bidders may be asked to provide evidence in the form of an authenticated resolution of its Board of Directors or a Power of Attorney evidencing the capacity of the person signing the Bid to bind the Bidder to each Bid and to any Contract arising therefrom.

If a Bidder is a joint venture or partnership, it may be asked to submit an authenticated Power of Attorney executed by each joint venturer or partner appointing and designating one of the joint venturers or partners as a management sponsor to execute the Bid on behalf of Bidder. Only that joint venturer or partner shall execute the Bid. The Power of Attorney shall also: (1) authorize that particular joint venturer or partner to act for and bind Bidder in all matters relating to the Bid; and (2) provide that each venturer or

partner shall be jointly and severally liable for any and all of the duties and obligations of Bidder assumed under the Bid and under any Contract arising therefrom. The Bid shall be executed by the designated joint venturer or partner on behalf of the joint venture or partnership in its legal name.

### **13. BID GUARANTEE (BOND)**

Each bid shall be accompanied by: (a) cash; (b) a certified check made payable to the District; (c) a cashier's check made payable to the District; or (d) a bid bond payable to the District executed by the bidder as principal and surety as obligor in an amount not less than 10% of the maximum amount of the bid. Personal sureties and unregistered surety companies are unacceptable. The surety insurer shall be California admitted surety insurer, as defined in Code of Civil Procedure Section 995.120. The cash, check or bid bond shall be given as a guarantee that the bidder shall execute the Contract if it be awarded to the bidder, shall provide the payment and performance bonds and insurance certificates and endorsements as required herein within five (5) business days after notification of the award of the Contract to the bidder. Failure to provide the required documents may result in forfeiture of the bidder's bid deposit or bond to the District and the District may award the Contract to the next lowest responsible bidder, or may call for new bids.

Rating for the surety must be A++, A+, A, or no less than A-. Bonds submitted for less than A- will not be accepted. Unless acceptable performance and payment bonds are provided, the bid award will be rescinded and re-awarded to the next low, responsive bidder.

Rating information can be obtained from Best's State Rate Filings: <http://www.ambest.com/bsrf>

### **14. SUBMISSION OF SEALED BIDS**

Once the Bid and supporting documents have been completed and signed as set forth herein, they shall be placed, along with the Bid Guarantee and other required materials in an envelope, sealed, addressed and delivered or mailed, postage prepaid to the District at the place and to the attention of the person indicated in the Notice Inviting Bids. No oral or telephonic bids will be considered. No forms transmitted via the internet, e-mail, facsimile, or any other electronic means will be considered unless specifically authorized by District as provided herein.

Only where expressly permitted in the Notice Inviting Bids, may Bidders submit their bids via electronic transmission pursuant to Public Contract Code Sections 1600 and 1601. The acceptable method(s) of electronic transmission shall be stated in the Notice Inviting Bids. District reserves the right to not accept electronically transmitted bids where not specifically authorized in the Notice Inviting Bids, and may reject any bid not strictly complying with District's designated methods for delivery.

### **15. DELIVERY AND OPENING OF BIDS**

Bids will be received by the District at the address shown in the Notice Inviting Informal Bids up to the date and time shown therein. The District will leave unopened any Bid received after the specified date and time, and any such unopened Bid will be returned to the Bidder. It is the Bidder's sole responsibility to ensure that its Bid is received as specified. Bids may be submitted earlier than the date(s) and time(s) indicated. District reserves the right to reject any or all Bids and to waive any informality or irregularity in any Bid. In the event of a discrepancy between the written amount of the Bid Price and the numerical amount of the Bid Price, the written amount shall govern.

Bids will be opened at the date and time stated in the Notice Inviting Bids, and the amount of each Bid will be read aloud and recorded. All Bidders may, if they desire, attend the opening of Bids. The District may in its sole discretion, elect to postpone the opening of the submitted Bids. District reserves the right to reject any or all Bids and to waive any informality or irregularity in any Bid. In the event of a discrepancy between the written amount of the Bid Price and the numerical amount of the Bid Price, the written amount shall govern.

## **16. WITHDRAWAL OF BID**

Prior to bid opening, a Bid may be withdrawn by the Bidder only by means of a written request signed by the Bidder or its properly authorized representative.

## **17. BASIS OF AWARD; BALANCED BIDS**

The District shall award the Contract to the lowest responsible Bidder submitting a responsive Bid. The District may reject any Bid which, in its opinion when compared to other bids received or to the District's internal estimates, does not accurately reflect the cost to perform the Work. The District may reject as non-responsive any bid which unevenly weights or allocates costs, including but not limited to overhead and profit to one or more particular bid items.

## **18. IDENTICAL BIDS**

Pursuant to Section 20117 of the Public Contract Code, in the event there are two or more identical lowest or highest bids, as the case may be, submitted to a school district for the purchase, sale or lease of real property, supplies, materials, equipment, services, bonds, or the awarding of any contract, pursuant to a provision requiring competitive bidding, the governing board of any school district may determine by lot which bid shall be accepted.

When bids are equal, they shall be awarded by a drawing of lots, and shall be witnessed by three (3) impartial observers.

## **19. DISQUALIFICATION OF BIDDERS; INTEREST IN MORE THAN ONE BID**

No bidder shall be allowed to make, submit or be interested in more than one bid. However, a person, firm, corporation or other entity that has submitted a sub-proposal to a bidder, or that has quoted prices of materials to a bidder, is not thereby disqualified from submitting a sub-proposal or quoting prices to other bidders submitting a bid to the District. No person, firm, corporation, or other entity may submit sub-proposal to a bidder, or quote prices of materials to a bidder, when also submitting a prime bid on the same Project.

## **20. INSURANCE REQUIREMENTS**

The successful bidder shall procure the insurance in the form and in the amount specified in the Contract Documents.

## **21. AWARD PROCESS**

Once all Bids are opened and reviewed to determine the lowest responsive and responsible Bidder, the District Board may award the contract. The apparent successful Bidder should begin to prepare the following documents: (1) the Performance Bond; (2) the Payment Bond; and (3) the required insurance certificates and endorsements. Once the District notifies the Bidder of the award, the Bidder will have five (5) business days from the date of this notification to execute the Contract and supply the District with all of the required documents and certifications. Once the District receives all of the properly drafted and executed documents and certifications from the Bidder, the District shall issue a Notice to Proceed to that Bidder.

## **22. FILING OF BID PROTESTS**

Bidders have the right to protest as described below. Whether concerns are about a Request for Proposal (RFP), Request for Quotation or Qualification (RFQ) or an Invitation for Bid (IFB), the following shall apply. The term "Bids" shall refer to either an RFP/Q or an IFB process.

**Inquiry or Intention does not constitute a Protest:** Notice of an intention to protest does not substitute for filing of a protest following the form and content required within the deadlines stated. Further, casual inquiry or complaint that does not specifically identify the purpose as a protest, and does not comply with the form, content and deadlines herein, are also not considered or acted upon as a protest action.

Certain **concerns must be filed as a protest before bids are due.** Any matter known - or that should have been known - before the bid deadline, must be brought to the Director of Facilities, Maintenance, & Operations, in writing at least three (3) business days before the bid deadline. Such matters include, but are not limited to:

- 1) Complaints about events or decisions made before the solicitation deadline,
- 2) Complaints that the solicitation unduly constrains competition through improper minimum qualifications or specifications,
- 3) Complaints that the pre-bid conference was not fair or accessible,
- 4) Complaints that questions were not fully or properly addressed by the District.
- 5) Complaints that the RFP/Q or IFB did not provide adequate information or contained an improper criteria;
- 6) Other matters known or that should have been known, to interested bidders by reading the solicitation document.

**Protest on items known after bid deadline:**

After the bid deadline, **only** vendors that submitted a bid are eligible to protest.

**Grounds for Protest and Protest Form:** A written, formal protest must contain the following to be considered. Failure to provide the following information could result in rejection of the protest.

- 1) Company name, mailing address, phone number, and name of company individual responsible for submission of the protest;
- 2) The Bid Number and title;
- 3) The specific action or decision protested to include;
  - a) a specific identification of the statutory or regulatory provision(s) that the action complained of is alleged to have violated;
  - b) a specific description of each act alleged to have violated the statutory or regulatory provision(s) identified in the above paragraph (a) of this subsection;
  - c) a precise statement of the relevant facts;
  - d) an identification of the issue or issues to be resolved; and
  - e) argument and authorities in support of the protest.
- 4) Indicate what relief or corrective action you believe the District should make.
- 5) Demonstrate that every reasonable effort was made within the schedule provided, for you to resolve the basis of the protest during the process, including asking questions,

seeking clarification, requesting addenda, and otherwise alerting the District to any perceived problems.

- 6) Signed by an authorized agent of the company.
- 7) Deliveries by hand, e-mail, or fax (must be followed up with a hard copy), in acceptable formats. The District is not responsible to assure the protest is received within the protest deadlines. If the District does not receive the protest within the specified deadline, the protest will be rejected. The follow up mailing address for all protests:

Santee School District  
Director of Facilities, Maintenance, & Operations  
9880 Riverwalk Drive  
Santee, CA 92071

### **Protest Deadlines:**

- 1) Protests must be received in the Facilities Office no later than 4:00 p.m. Pacific Time, five (5) business days after the date the RFP/Q or IFB is posted on the web page under "Bids". Webpage: [www.santeesd.net](http://www.santeesd.net)
- 2) Protests received after the time specified are untimely and may be denied on that basis unless the District concludes that the issues raised by the protest involve fraud, gross abuse of the procurement process, or indicate substantial prejudice to the integrity of the procurement process.
- 3) The Facilities Department shall make efforts to distribute the recap to the affected bidder(s), such as posting on the District's website or faxing the notice to the affected bidder(s). However, it is the Bidder's responsibility to seek out and obtain the announcement from the District. The District is not responsible for assuring the Bidders have learned of the announcement in time to file a protest.

### **Protest Process and Appeals**

- 1) The Director will review the protest. All available facts will be considered and the Director shall issue a decision. This decision shall be delivered in writing by e-mail or fax (will be followed up with a hard copy).
- 2) If the Protesting party believes the Director has failed to consider a fact and has made an error in the protest decision, the protesting bidder has a right to appeal that decision to the Governing Board of the District. The appeal is limited to only those matters brought forward to the District in the original protest. The appeal must clearly state why the Director's decision is in error.
- 3) The protesting bidder shall issue a Protest Appeal Statement by 4:00 PM (Pacific Standard Time) by the third (3<sup>rd</sup>) business day following issuance of the Director's decision. This appeal shall be delivered by the Protesting vendor, in writing through e-mail or fax (must be followed up with a hard copy).
- 4) The District's Legal Counsel will evaluate the appeal and issue a decision, which will be final.

NOTHING HEREIN SHALL DIMINISH THE AUTHORITY OF THE SANTEE SCHOOL DISTRICT TO ENTER INTO A CONTRACT, WHETHER A PROTEST ACTION OR INTENTION TO PROTEST HAS BEEN ISSUED.

## **23. WORKERS COMPENSATION**

Each bidder shall submit the Contractor's Certificate Regarding Workers' Compensation form.

## **24. SUBSTITUTION OF SECURITY**

The Contract Documents call for monthly progress payments based upon the percentage of the work completed. The District will retain five percent (5%) of each progress payment as provided by the Contract Documents. At the request and expense of the successful Bidder, the District will substitute securities for the amount so retained in accordance with Public Contract Code Section 22300.

## **25. PREVAILING WAGES**

The District has obtained from the Director of the Department of Industrial Relations the general prevailing rate of per diem wages in the locality in which this work is to be performed for each craft or type of worker needed to execute the Contract. These rates are on file and available online at <http://www.dir.ca.gov/dlsr>. Bidders are advised that a copy of these rates must be posted by the successful Bidder at the job site(s). Every bidder is subject to the Labor Compliance Program (LCP) requirements per SB 854 established June 20, 2014.

## **26. DEBARMENT OF CONTRACTORS AND SUBCONTRACTORS**

In accordance with the provisions of the Labor Code, contractors or subcontractors may not perform work on a public works project with a subcontractor who is ineligible to perform work on a public project pursuant to Section 1777.1 or Section 1777.7 of the Labor Code. Any contract on a public works project entered into between a contractor and a debarred subcontractor is void as a matter of law. A debarred subcontractor may not receive any public money for performing work as a subcontractor on a public works contract. Any public money that is paid to a debarred subcontractor by the Contractor for the Project shall be returned to the District. The Contractor shall be responsible for the payment of wages to workers of a debarred subcontractor who has been allowed to work on the Project.

## **27. PERFORMANCE BOND AND PAYMENT BOND REQUIREMENTS**

Within the time specified in the Contract Documents, the Bidder to whom a Contract is awarded shall deliver to the District two (2) identical counterparts of the Performance Bond and Payment Bond in the form supplied by the District and included in the Contract Documents. Failure to do so may, in the sole discretion of District, result in the forfeiture of the Bid Guarantee. The surety supplying the bond must be an admitted surety insurer, as defined in Code of Civil Procedure Section 995.120, authorized to do business as such in the State of California and satisfactory to the District. The Performance Bond and the Payment Bond shall be for one hundred percent (100%) of the Total Bid Price.

Rating for the surety must be A++, A+, A, or no less than A-. Bonds submitted for less than A- will not be accepted. Unless acceptable performance and payment bonds are provided, the bid award will be rescinded and re-awarded to the next low, responsive bidder.

Rating information can be obtained from Best's State Rate Filings: <http://www.ambest.com/bsrf>

## **28. REQUEST FOR SUBSTITUTIONS**

**The successful bidder shall comply with the substitution request provisions set forth in the Special Conditions, including any deadlines for substitution requests which may occur prior to the bid opening date.**

## 29. SALES AND OTHER APPLICABLE TAXES, PERMITS, LICENSES AND FEES

Contractor and its subcontractors performing work under this Contract will be required to pay California sales tax and other applicable taxes, and to pay for permits, licenses and fees required by the agencies with authority in the jurisdiction in which the work will be located, unless otherwise expressly provided by the Contract Documents.

## 30. EXECUTION OF CONTRACT

As required herein the Bidder to whom an award is made shall execute the Contract in the amount determined by the Contract Documents. The District may require appropriate evidence that the persons executing the Contract are duly empowered to do so.

## 31. REQUIRED CERTIFICATIONS

Bidders, for all projects involving state funds, are required to submit the "Asbestos-Free Materials Certification." This form is included in this package and must be signed under the penalty of perjury and dated, and shall be submitted to the District in accordance with Section 33 below and Section 83 of the General Conditions. The successful bidder shall also execute, under the penalty of perjury and dated, the "Recycled Content Certification" and the "Drug-Free Workplace Certification" included in this package. Further, by law it is the District's responsibility to determine whether a contractor must provide fingerprint certification. Pursuant to Education Code section 45125.2, the District considers the totality of the circumstances in order to determine if fingerprinting of employees of a contractor working on a school site is required. Factors to be considered include the length of time the contractor's employees are on school grounds, whether students are in proximity with the location where the contractor's employees are working, and whether the contractor's employees are working alone or with others. **A determination regarding whether fingerprint certification is required is contained in the Special Conditions.** These forms are included with the bid package and must be signed under the penalty of perjury and dated.

## 32. GRATUITIES

Bidders shall not provide, offer, imply, or otherwise extend any gratuities, including cash gifts, services, allowances, or enticements in any manner or form, to officers, employees, students, agents, or representatives of the District.

## 33. IRS REQUIREMENTS

The Owner shall view the legal position of the bidder as an "independent contractor" and that all persons employed to furnish services are employees of the bidder and not of the Owner.

- a The Owner shall not be liable for any of the contractor's acts or omissions performed under the contract to which the bidder.
- b The successful bidder will complete IRS form W-9 providing taxpayer identification number and also indicate whether bidder is a corporation, sole-proprietor, partnership, individual, etc. This form will be sent to the successful bidder with the Agreement, Performance and Payment Bond and is to be returned with same.

**END OF INSTRUCTIONS TO BIDDERS**





**BID #2022-075-001  
ASPHALT REPLACEMENT AT CARLTON OAKS AND  
CRACK FILL AND SLURY SEAL/ LINE STRIPING  
AT HILL CREEK SCHOOL**

**BID FORM**

**To be returned with bid documents:**

**NAME OF BIDDER:** \_\_\_\_\_

Business Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_

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

Phone Number: (\_\_\_\_\_) \_\_\_\_\_

FAX: (\_\_\_\_\_) \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Company Website: \_\_\_\_\_

The undersigned, hereby declare that we have carefully examined the location of the proposed Work, and have read and examined the Contract Documents, including all plans, specifications, and all addenda, if any, for the following Project:

We hereby propose to furnish all labor, materials, equipment, tools, transportation, and services, and to discharge all duties and obligations necessary and required to perform and complete the Project for the following TOTAL BASE PRICE PLUS ALTERNATES:

**PLEASE GO TO NEXT PAGE:**

	<b>BID PRICE (IN WRITTEN FORM)</b> Said Sum includes all applicable taxes and costs	<b>BID PRICE (IN NUMBERS)</b> Said Sum includes all applicable taxes and costs
<b>BASE BID:</b> REMOVE ALL EXISTING ASPHALT, INCLUDING PETROMAT, AND REPLACE WITH NEW MATERIALS PER SPECIAL CONDITIONS		\$ _____
<b>ADDITIVE ALTERNATE #1:</b> HILL CREEK CRACK FILL AND SLURRY		\$ _____
<b>ADDITIVE ALTERNATE #2:</b> ADD 10,000 SQUARE FEET OF ASPHALT GRINDINGS AT HILLCREEK		\$ _____ —
<b>ADD ALLOWANCE</b>		\$ 50,000.00
<b>TOTAL BID (INCLUDES ALTERNATES &amp; ALLOWANCE)</b>		\$ _____

The lowest bid shall be the lowest total base price plus alternates. The bid will be awarded to only one bidder.

In case of discrepancy between the written price and the numerical price, the written price shall prevail.

The undersigned agrees that this Bid Form constitutes a firm offer to the District which cannot be withdrawn for the number of calendar days indicated in the Notice Inviting Informal Bids from and after the bid opening, or until a Contract for the Work is fully executed by the District and a third party, whichever is earlier.

The Contract duration shall commence on the date stated in the District's Notice to Proceed, and shall be completed by the Contractor in the time specified in the Contract Documents. In no case shall the Contractor commence construction prior to the date stated in the District's Notice to Proceed.

Bidder certifies that it is licensed in accordance with the law providing for the registration of Contractors,

License No. \_\_\_\_\_, Expiration Date \_\_\_\_\_, class of license \_\_\_\_\_. If the bidder is a joint venture, each member of the joint venture must include the above information.

List all other classifications for this license number: \_\_\_\_\_

Bidder's DIR # \_\_\_\_\_

Bidder is to indicate if they are a Certified DVBE Contractor (Attached is a copy of DVBE Certification Letter issued by OSBCR)

\_\_\_\_\_ Yes \_\_\_\_\_ No

Bidder is to indicate if a Good Faith Effort was made to include DVBE Subcontractors and suppliers in the Bid:

\_\_\_\_\_ Yes \_\_\_\_\_ No

The undersigned acknowledges receipt, understanding and full consideration of the following addenda to the Contract Documents.

Addenda No. \_\_\_\_\_

1. The required bid security is attached hereto or bidder's bid will be rejected as nonresponsive.
2. The required Designation of Subcontractors is attached hereto or bidder's bid will be rejected as nonresponsive.
3. The required Designation of DVBE Subcontractors is attached hereto.
4. The required Contractors Statement Regarding Maintaining a Drug Free Workplace is attached hereto or bidder's bid will be rejected as nonresponsive.
5. The required NOTARIZED Non-Collusion Affidavit is attached hereto or bidder's bid will be rejected as nonresponsive.
6. The required Worker's Compensation Certificate is attached hereto or bidder's bid will be rejected as nonresponsive.
7. The required NOTARIZED Fingerprint Requirement Application is attached hereto or bidder's bid will be rejected as nonresponsive.
8. The required bid security in the amount of not less than 10% of the Total Bid Price is attached hereto or bidder's bid will be rejected as nonresponsive.
9. The required NOTARIZED Asbestos-Free Materials Certification is attached hereto or bidder's bid will be rejected as nonresponsive.
10. The required Information of Bidders (List of Current Projects & List of Completed Projects) is attached hereto.

I hereby certify under penalty of perjury under the laws of the State of California, that all of the information submitted in connection with this Bid and all of the representations made herein are true and correct.

Name of Bidder \_\_\_\_\_

Signature \_\_\_\_\_

Name and Title \_\_\_\_\_

Dated \_\_\_\_\_



# CONTRACTOR'S CERTIFICATE REGARDING WORKERS' COMPENSATION

**BID #2022-075-001  
ASPHALT REPLACEMENT AT CARLTON OAKS AND  
CRACK FILL AND SLURY SEAL/ LINE STRIPING  
AT HILL CREEK SCHOOL**

**To be returned with bid documents:**

Labor Code section 3700 in relevant part provides:

Every employer except the State shall secure the payment of compensation in one or more of the following ways:

- (a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this State.
- (b) By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employees.

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

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Company

(In accordance with article 5 (commencing at section 1860), chapter 1, part 7, division 2 of the Labor Code, the above certificate must be signed and filed with the awarding body prior to performing any work under this contract.)

Dated \_\_\_\_\_



# BID BOND

**To be returned with bid documents:**

The makers of this bond are, \_\_\_\_\_  
\_\_\_\_\_, as Principal, and \_\_\_\_\_  
\_\_\_\_\_, as Surety and are held and firmly bound unto the District, hereinafter called the District, in the penal sum of TEN PERCENT (10%) OF THE TOTAL BID PRICE of the Principal submitted to DISTRICT for the work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has submitted the accompanying bid dated \_\_\_\_\_, 21 \_\_\_\_\_, for

**BID #2022-075-001  
ASPHALT REPLACEMENT AT CARLTON OAKS AND  
CRACK FILL AND SLURY SEAL/ LINE STRIPING  
AT HILL CREEK SCHOOL**

If the Principal does not withdraw its bid within the time specified in the Contract Documents; and if the Principal is awarded the Contract and provides all documents to the District as required by the Contract Documents; then this obligation shall be null and void. Otherwise, this bond will remain in full force and effect.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract Documents shall in affect its obligation under this bond, and Surety does hereby waive notice of any such changes.

In the event a lawsuit is brought upon this bond by the District and judgment is recovered, the Surety shall pay all litigation expenses incurred by the District in such suit, including reasonable attorneys' fees, court costs, expert witness fees and expenses.

IN WITNESS WHEREOF, the above-bound parties have executed this instrument under their several seals this \_\_\_\_\_ day of \_\_\_\_\_, 21\_\_\_\_, the name and corporate seal of each corporation.

(Corporate Seal)

\_\_\_\_\_  
Principal

By \_\_\_\_\_

Title \_\_\_\_\_

(Corporate Seal)

\_\_\_\_\_  
Surety

By \_\_\_\_\_

Attorney-in-Fact

(Attach Attorney-in-Fact Certificate)  
STATE OF CALIFORNIA)

Title \_\_\_\_\_

\_\_\_\_\_ ) ss.  
DISTRICT OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year 20\_\_ , before me,  
\_\_\_\_\_, a Notary Public in and for said state, personally appeared  
\_\_\_\_\_, known to me to be the person whose name is subscribed to  
the within instrument as the Attorney-In-Fact of the (Surety) acknowledged to me that he subscribed the  
name of the \_\_\_\_\_ (Surety) thereto and his own name as Attorney-In-Fact.

\_\_\_\_\_  
Notary Public in and for said State

(SEAL)

Commission expires: \_\_\_\_\_

NOTE: A copy of the Power-of-Attorney to local representatives of the bonding company must be attached hereto.

**For District Informational Purpose:**

Surety Company Name \_\_\_\_\_ Contact \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

City, State, Zip \_\_\_\_\_ Date \_\_\_\_\_



DESIGNATION OF SUBCONTRACTORS

**BID #2022-075-001  
 ASPHALT REPLACEMENT AND CRACK FILL AND SLURRY SEAL  
 AT CARLTON OAKS AND HILL CREEK SCHOOL**

**To be returned with bid documents:**

In compliance with the Subletting and Subcontracting Fair Practices Act of the Public Contract Code of the State of California, each bidder shall set forth below: (a) the name and the location of the place of business and (b) the portion of the work which will be done by each subcontractor who will perform work or labor or render service to the Contractor in or about the construction of the work in an amount in excess of one-half of one percent (1/2%) of the Contractor's Total Bid Price. Notwithstanding the foregoing, if the work involves streets and highways, then the Contractor shall list each subcontractor who will perform work or labor or render service to Contractor in or about the work in an amount in excess of one-half of one percent (1/2%) of the Contractor's Total Bid Price. No additional time shall be granted to provide the below requested information.

If no subcontractor is specified, for a portion of the work, or if more than one subcontractor is specified for the same portion of Work, to be performed under the Contract in excess of one-half of one percent (1/2%) of the Contractor's Total Bid Price or \$10,000, whichever is greater if the work involves streets or highways, then the Contractor shall be deemed to have agreed that it is fully qualified to perform that Work, and that it shall perform that portion itself.

Name of Bidder \_\_\_\_\_

Signature \_\_\_\_\_

Name and Title \_\_\_\_\_

Dated \_\_\_\_\_

Portion of Work	Division of Work or Trade, License, Type	Name of Firm or Subcontractor	Complete Address, including Zip Code	Phone number with area code	Contractor's License Number & DIR Number

Portion of Work	Division of Work or Trade, License, Type	Name of Firm or Subcontractor	Complete Address, including Zip Code	Phone number with area code	Contractor's License Number & DIR Number

## DESIGNATION OF DVBE SUBCONTRACTORS

**To be returned with bid documents:**

Contractor shall identify each subcontractor that is a certified Disabled Veteran Business Enterprise (DVBE). Contractor shall provide the DVBE Reference Number assigned by the Office of Small Business Certification and Resources for each DVBE subcontractor, and shall attach a copy of the subcontractor's certification letter.

<b>Subcontractor Name/License #</b>	<b>DVBE Reference Number</b>



## A. LIST OF CURRENT PROJECTS (Backlog)

**To be returned with bid documents:**

[\*\*Duplicate Page if needed for listing additional current projects.\*\*]

Project	Description of Bidder's Work	Anticipated Completion Date	Cost of Bidder's Work / Contract Amount	Contact Person/ Phone Number



## B. LIST OF COMPLETED PROJECTS - LAST THREE YEARS

To be returned with bid documents:

[\*\*Duplicate Page if needed for listing additional completed projects.\*\*]

Please include only those projects which are similar enough to demonstrate Bidder’s ability to perform the required Work.

Project Client	Description of Bidder’s Work	Period of Performance	Cost of Bidder’s Work / Contract Amount	Contact Name/ Phone Number





# ASBESTOS-FREE MATERIALS CERTIFICATION

To be returned with bid documents:

The undersigned declares that he or she is the person who executed the bid for:

**BID #2022-075-001  
ASPHALT REPLACEMENT AT CARLTON OAKS AND  
CRACK FILL AND SLURRY SEAL/ LINE STRIPING  
AT HILL CREEK SCHOOL**

(hereinafter referred to as the "Project"), and submitted it to the **SANTEE SCHOOL DISTRICT** (hereinafter referred to as the "District") on behalf of \_\_\_\_\_ (hereinafter referred to as the "Contractor").

To the best of my knowledge, information and belief, in completing the Contractor's Work for the Project, no material furnished, installed or incorporated into the Project will contain, or in itself be composed of, any materials listed by the federal or state EPA or federal or state health agencies as a hazardous material.

Any disputes involving the question of whether or not material installed with asbestos-containing equipment is settled by electron microscopy; the cost of any such tests shall be paid by the Contractor.

All work or materials installed by the Contractor which is found to contain asbestos, or work or material installed with asbestos-containing equipment, will be immediately rejected and this work shall be removed and replaced by the Contractor at no additional cost to the District.

Decontamination and removal of work found to contain asbestos or work installed with asbestos-containing equipment shall be done only under supervision of a qualified consultant, knowledgeable in the field of asbestos abatement and accredited by the Environmental Protection Agency.

The Asbestos Removal Contractor shall be an EPA accredited contractor qualified in the removal of asbestos and shall be chosen and approved the District who shall have sole discretion and final determination in this matter.

The Asbestos Consultant shall be chosen and approved by the District who shall have sole discretion and final determination in this matter.

The work will be not accepted until asbestos contamination is reduced to levels deemed acceptable by the Asbestos Consultant.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_ at \_\_\_\_\_.  
Name of Contractor (Print or Type)

By \_\_\_\_\_  
Signature \_\_\_\_\_ Print Name \_\_\_\_\_

\_\_\_\_\_  
Title

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_  
\_\_\_\_\_  
Notary Public in and for the State of California

My Commission Expires: \_\_\_\_\_

**FORM MUST BE NOTARIZED**



# FINGERPRINTING REQUIREMENT APPLICATION

**BID #2022-075-001  
ASPHALT REPLACEMENT AT CARLTON OAKS AND  
CRACK FILL AND SLURY SEAL/ LINE STRIPING  
AT HILL CREEK SCHOOL**

**To be returned with bid documents:**

Pursuant to the provisions of Article 13 of the General Conditions - District Determination of Fingerprinting Requirement Application is as follows:

The District has considered the totality of the circumstances concerning the Project and has determined that the Contract and Contractor's employees are subject to the requirements of Education Code section 45125.2 and Paragraph (a) of Article 13 of the General Conditions.

In accordance with the Education Code the **Contractor shall provide for the continual supervision and monitoring of all Contractor's employees by an employee of the Contractor who has received fingerprint clearance from the California Department of Justice.**

**I CERTIFY (OR DECLARE) UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT PRIOR TO COMMENCEMENT OF WORK ALL SUPERVISORS ON THIS PROJECT WILL HAVE COMPLETED FINGERPRINT BACKGROUND CHECKS FROM THE CALIFORNIA DEPARTMENT OF JUSTICE THROUGH ANY LIVESCAN SERVICE AND WILL HAVE BEEN FOUND TO HAVE NOT COMMITTED A VIOLENT OR SERIOUS FELONY (PENAL CODE SECTIONS 667.5(C) AND 1192.7(C)); AND WILL PROVIDE CONTINUAL SUPERVISION AND MONITORING OF THE CONTRACTOR'S EMPLOYEES. IF BACKGROUND CHECKS ARE NOT COMPLETED PRIOR TO COMMENCEMENT OF THE PROJECT, CONTRACTOR WILL NOTIFY THE SANTEE SCHOOL DISTRICT AND A PER DIEM CHARGE WILL BE CHARGED FOR SUPERVISION BY DISTRICT EMPLOYEES.**

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ at \_\_\_\_\_  
California.

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

Signature: \_\_\_\_\_

Business Name: \_\_\_\_\_

**FORM MUST BE NOTARIZED**





# CONTRACTOR'S STATEMENT REGARDING MAINTAINING A DRUG FREE WORKPLACE

## BID #2022-075-001 ASPHALT REPLACEMENT AT CARLTON OAKS AND CRACK FILL AND SLURRY SEAL/ LINE STRIPING AT HILL CREEK SCHOOL

To be returned with bid documents:

### DRUG-FREE WORKPLACE CERTIFICATION

This Drug-Free Workplace Certification form is part of the Contract made by and between the **Santee School District** (hereinafter referred to as the "District") and \_\_\_\_\_ (hereinafter referred to as the "Contractor") for the above named project. This form is required from all successful bidders pursuant to the Drug-Free Workplace Act of 1990 (Government Code Section 8350 et seq.) The Drug-Free Workplace Act of 1990 requires that every person or organization awarded a contract or grant for procurement of any property or service from any State agency must certify that it will provide a drug-free workplace by doing certain specified acts. In addition, the Act provides that each contract or grant awarded by a State agency may be subject to suspension of payments or termination, and the contractor or grantee may be subject to debarment from future contracting, if the contracting agency determines that specified acts have occurred.

Pursuant to Government Code Section 8355, every person or organization awarded a contract or grant from a State agency shall certify that it will provide a drug-free workplace by doing all of the following:

- A. Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited in their workplace and specifying actions which will be taken against employees for violations of the prohibition;
- B. Establishing a drug-free awareness program to inform employees about all of the following:
  1. The dangers of drug abuse in the workplace;
  2. The person's or organization's policy of maintaining a drug-free workplace;
  3. The availability of drug counseling, rehabilitation and employee-assistance programs; and
  4. The penalties that may be imposed upon employees for drug abuse violations.
- C. Requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required by subdivision "A," and that, as a condition of employment on the contract or grant, the employee agrees to abide by the terms of the statement.

I, the undersigned, agree to fulfill the terms and requirements of the Drug-Free Workplace Act as it now exists or may hereinafter be amended. Particularly, I shall abide by Government Code Section 8355 when performing the Contract for the Project by:

- A. Publishing a statement notifying employees concerning the prohibition of controlled substance at my workplace;
- B. Establishing a drug-free awareness program; and
- C. Requiring that each employee engaged in the performance of the contract be given a copy of the statement required by Section 8355(a) and agree to abide by the terms of that statement.

I also understand that if the District determines that I have either: (a) made a false certification herein; or (b) violated this certification by failing to carry out the requirements of Section 8355, the Contract awarded herein is subject to termination, suspension of payments, or both. I further understand that if I violate the terms of the Drug-Free Workplace Act of 1990, I may be subject to debarment in accordance with the requirements of the Act.

I acknowledge that I am aware of the provisions of Government Code Section 8350 et seq., and hereby certify that I will adhere to the requirements of the Drug-Free Workplace Act of 1990.

Each District consultant, contractor and vendor shall, moreover, advise the District whether they have a policy or procedure for maintaining a drug free workplace at the consultant's contractor's, or vendor's own place of business and if so, shall briefly describe it in writing to District officials.

In accordance with Board Policy 4020, following:

### **Contractors and Vendors**

The Drug-Free Workplace Act of 1990 (Government Code Section 8350 et seq.) requires that every person or organization awarded a contract or grant for procurement of any property or service from any State agency, must certify that it will provide a drug-free workplace by doing certain specified acts. The Act provides that each contract or grant awarded by a State agency may be subject to suspension of payments or termination, and the contractor or grantee may be subject to debarment from future contracting, if the contracting agency determines that specified acts have occurred.

Contractors with whom the District contracts for public works projects through the formal bid process or consultants with whom the District contracts must agree that vendors, employees or agents of the contractor or consultant shall not in any way be impaired due to being under the influence of alcohol or an illegal drug(s) while performing services for the District or while on District property.

No such person shall possess an open container of alcohol or consume alcohol, or possess, or be under the influence of an illegal drug, nor shall they sell, offer, or provide alcohol or an illegal drug(s) to another person while on District property.

All District consultants, contractors, and vendors shall inform their employees and agents that are performing service for the District of the District's objective of a safe, healthful, and productive



workplace and the prohibition of drug and alcohol use or impairment from same while performing such service for the District.

Each District consultant, contractor, and vendor shall, moreover, advise the District whether they have a policy or procedure for maintaining a drug free workplace at the consultant's, contractor's, or vendor's own place of business, and, if so, shall briefly describe it in writing to District officials.

---

**In accordance with the above, the following must be signed  
and filed with the awarding body as part of the bid package.**

---

*Business name:* \_\_\_\_\_

*Does* \_\_\_\_\_ *Does not* \_\_\_\_\_ *Have a policy or procedure for maintaining a drug free  
workplace at their own place of business.*

\_\_\_\_\_ *Attached is a copy of such policy or procedure or*

\_\_\_\_\_ *Following is a brief description of such policy or procedure:*

*Signature:* \_\_\_\_\_ *Date:* \_\_\_\_\_

*Title:* \_\_\_\_\_

Legal Reference: the Drug Free Workplace Act of 1988 and Public Law 100-690 Section 5151-5160



# NON-COLLUSION AFFIDAVIT

**BID #2022-075-001  
ASPHALT REPLACEMENT AT CARLTON OAKS AND  
CRACK FILL AND SLURY SEAL/ LINE STRIPING  
AT HILL CREEK SCHOOL**

To be returned with bid documents:

I, \_\_\_\_\_, being first duly sworn, deposes and says that he is \_\_\_\_\_ of \_\_\_\_\_ the party making the attached bid; that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly 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.

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Name of Bidder \_\_\_\_\_

Signature \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

Dated \_\_\_\_\_

**FORM MUST BE NOTARIZED**



# CONTRACT

THIS CONTRACT is made this 18<sup>th</sup> day of May, 2022, in the County of San Diego, State of California, by and between the **SANTEE SCHOOL DISTRICT**, hereinafter called District, and \_\_\_\_\_ hereinafter called Contractor. The District and the Contractor for the considerations stated herein agree as follows:

**ARTICLE 1. SCOPE OF WORK.** The Contractor shall perform all Work within the time stipulated in the Contract and shall provide all labor, materials, equipment, tools, utility services, and transportation to complete all of the Work required in strict compliance with the Contract Documents as specified in Article 5 below for the following Project:

**BID #2022-075-001  
ASPHALT REPLACEMENT AT CARLTON OAKS AND  
CRACK FILL AND SLURRY SEAL/ LINE STRIPING  
AT HILL CREEK SCHOOL**

The Contractor and its surety shall be liable to the District for any damages arising as a result of the Contractor's failure to comply with this obligation.

**ARTICLE 2. TIME FOR COMPLETION.** The Work shall be commenced on the date stated in the District's Notice to Proceed. As specified in District's notice to proceed, the work shall be completed within:

Date of Contract Award:	May 17, 2021 <sup>2</sup>
Construction to Begin:	June 9, 2022
Ending Date	: August 5, 2022

The Contractor shall complete all Work required by the Contract Documents within \*fifty-two (52) calendar days from the commencement date stated in the Notice to Proceed. By its signature hereunder, Contractor agrees the time for completion set forth above is adequate and reasonable to complete the work.

**ARTICLE 3. CONTRACT PRICE.** The District shall pay to the Contractor as full compensation for the performance of the Contract, subject to any additions or deductions as provided in the Contract Documents, and including all applicable taxes and costs, the sum of \_\_\_\_\_ (\$\_\_\_\_\_). Payment shall be made as set forth in the General Conditions.

**ARTICLE 4. LIQUIDATED DAMAGES.** In accordance with Government Code section 53069.85, it is agreed that the Contractor will pay the District the sum of actual damages up to one-thousand dollars (\$1,000) for each and every calendar day of delay beyond the time prescribed in the Contract Documents for finishing the Work, as Liquidated Damages and not as a penalty or forfeiture. In the event this is not paid, the Contractor agrees the District may deduct that amount from any money due or that may become due the Contractor under the Contract. This Article does not exclude recovery of other damages specified in the Contract Documents.

**ARTICLE 5. COMPONENT PARTS OF THE CONTRACT.** The "Contract Documents" include the following:

- Notice Inviting Bids
- Instructions to Bidders
- Bid Form
- Contractor's Certificate Regarding Workers' Compensation
- Bid Security

Designation of Subcontractors  
 Information Required of Bidders (List of Current and Completed Projects)  
 Designation of DVBE Subcontractors  
 Asbestos-Free Material Certification (notarized)  
 Statement Regarding A Drug-Free Workplace  
 Fingerprint Requirement Application (notarized)  
 Non-Collusion Affidavit form (notarized)  
 Contract  
 Performance Bond  
 Payment Bond  
 General Conditions  
 Special Conditions  
 Technical Specifications (as applicable)  
 Addenda  
 Plans and Drawings (as applicable)  
 Approved and fully executed change orders  
 Any other documents contained in or incorporated into the Contract

The Contactor shall complete the Work in strict accordance with all of the Contract Documents.

All of the Contract Documents are intended to be complementary. Work required by one of the Contract Documents and not by others shall be done as if required by all. This Contract shall supersede any prior agreement of the parties.

**ARTICLE 6. PROVISIONS REQUIRED BY LAW.** Each and every provision of law required to be included in these Contract Documents shall be deemed to be included in these Contract Documents. The Contractor shall comply with all requirements of the California Labor Code applicable to this Project.

**ARTICLE 7. INDEMNIFICATION.** Contractor shall provide indemnification as set forth in the General Conditions.

**ARTICLE 8. PREVAILING WAGES.** Contractor shall be required to pay the prevailing rate of wages in accordance with the labor Code which such rates may be obtained online at <http://www.dir.ca.gov/dlsr> and which must be posted at the job site. Contractor is subject to the Labor Compliance Program (LCP) requirements per SB 854 established June 20, 2014.

IN WITNESS WHEREOF, this Contract has been duly executed by the above-named parties, on the day and year above written.

<p><b><u>NAME OF CONTRACTOR</u></b></p>  <p>By _____ (signature)</p> <p>Name and Title: _____</p> <p>License No. _____</p>	<p><b><u>SANTEE SCHOOL DISTRICT</u></b>          By Assistant Superintendent, Business Services</p>  <p>_____</p> <p>Karl Christensen</p>
--	---



# PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS:

THAT WHEREAS, **SANTEE SCHOOL DISTRICT** (hereinafter referred to as "District") has awarded to \_\_\_\_\_, (hereinafter referred to as the "Contractor") an agreement for:

**BID #2022-075-001  
ASPHALT REPLACEMENT AT CARLTON OAKS AND  
CRACK FILL AND SLURRY SEAL/ LINE STRIPING  
AT HILL CREEK SCHOOL**

(hereinafter referred to as the "Project").

WHEREAS, the work to be performed by the Contractor is more particularly set forth in the Contract Documents for the Project dated \_\_\_\_\_, (hereinafter referred to as "Contract Documents"), the terms and conditions of which are expressly incorporated herein by reference; and

WHEREAS, the Contractor is required by said Contract Documents to perform the terms thereof and to furnish a bond for the faithful performance of said Contract Documents.

NOW, THEREFORE, we, \_\_\_\_\_, the undersigned Contractor and \_\_\_\_\_ as Surety, a corporation organized and duly authorized to transact business under the laws of the State of California, are held and firmly bound unto the District in the sum of \_\_\_\_\_ DOLLARS, (\$ \_\_\_\_\_), said sum being not less than one hundred percent (100%) of the total amount of the Contract, for which amount well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that, if the Contractor, 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 agreements in the Contract Documents and any alteration thereof made as therein provided, on its part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their intent and meaning; and shall faithfully fulfill all obligations including the one-year guarantee of all materials and workmanship; and shall indemnify and save harmless the District, its officers and agents, as stipulated in said Contract Documents, 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 District in enforcing such obligation.

As a condition precedent to the satisfactory completion of the Contract Documents, unless otherwise provided for in the Contract Documents, the above obligation shall hold good for a period of one (1) year after the acceptance of the work by District, during which time if Contractor shall fail to make full, complete, and satisfactory repair and replacements and totally protect the District from loss or damage resulting from or caused by defective materials or faulty workmanship. The obligations of Surety hereunder shall continue so long as any obligation of Contractor remains. Nothing herein shall limit the District's rights or the Contractor or Surety's obligations under the Contract, law or equity, including, but not limited to, California Code of Civil Procedure section 337.15.



Whenever Contractor shall be, and is declared by the District to be, in default under the Contract Documents, the Surety shall remedy the default pursuant to the Contract Documents, or shall promptly, at the District's option:

- (1) Take over and complete the Project in accordance with all terms and conditions in the Contract Documents; or
- (2) Obtain a bid or bids for completing the Project in accordance with all terms and conditions in the Contract Documents and upon determination by Surety of the lowest responsive and responsible bidder, arrange for a Contract between such bidder, the Surety and the District, and make available as work progresses sufficient funds to pay the cost of completion of the Project, less the balance of the contract price, including other costs and damages for which Surety may be liable. The term "balance of the contract price" as used in this paragraph shall mean the total amount payable to Contractor by the District under the Contract and any modification thereto, less any amount previously paid by the District to the Contractor and any other set offs pursuant to the Contract Documents.
- (3) Permit the District to complete the Project in any manner consistent with California law and make available as work progresses sufficient funds to pay the cost of completion of the Project, less the balance of the contract price, including other costs and damages for which Surety may be liable. The term "balance of the contract price" as used in this paragraph shall mean the total amount payable to Contractor by the District under the Contract and any modification thereto, less any amount previously paid by the District to the Contractor and any other set offs pursuant to the Contract Documents.

Surety expressly agrees that the District may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Contractor.

Surety shall not utilize Contractor in completing the Project nor shall Surety accept a bid from Contractor for completion of the Project if the DISTRICT, when declaring the Contractor in default, notifies Surety of the District's objection to Contractor's further participation in the completion of the Project.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract Documents or to the Project to be performed thereunder shall in any way 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 Contract Documents or to the Project.

**[Remainder of Page Left Intentionally Blank.]**

IN WITNESS WHEREOF, we have hereunto set our hands and seals this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
CONTRACTOR/PRINCIPAL

\_\_\_\_\_  
Name

By \_\_\_\_\_

SURETY:

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

The rate of premium on this bond is \_\_\_\_\_ per thousand. The total amount of premium charges, \$\_\_\_\_\_.  
(The above must be filled in by corporate attorney.)

**THIS IS A REQUIRED FORM**

Any claims under this bond may be addressed to:

(Name and Address of Surety) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Name and Address of Agent or Representative for service of process in California, if different from above) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Telephone number of Surety and Agent or Representative for service of process in California) \_\_\_\_\_

Fax number of Surety and Agent \_\_\_\_\_

STATE OF CALIFORNIA)
) ss.
DISTRICT OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year 20\_\_\_\_, before me,
\_\_\_\_\_, a Notary Public in and for said state, personally appeared
\_\_\_\_\_, known to me to be the person whose name is subscribed to
the within instrument as the Attorney-In-Fact of the (Surety) acknowledged to me that he subscribed the
name of the \_\_\_\_\_ (Surety) thereto and his own name as Attorney-In-Fact.

\_\_\_\_\_  
Notary Public in and for said State

(SEAL)

Commission expires: \_\_\_\_\_

NOTE: A copy of the Power-of-Attorney to local representatives of the bonding company **must be attached hereto.**

# PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS That

WHEREAS, the **SANTEE SCHOOL DISTRICT** (hereinafter designated as the "District"), by action taken or a resolutions passed \_\_\_\_\_, 20\_\_\_\_, has awarded to \_\_\_\_\_ hereinafter designated as the "Principal," a contract for the work described as follows:

**BID #2022-075-001  
ASPHALT REPLACEMENT AT CARLTON OAKS AND  
CRACK FILL AND SLURY SEAL/ LINE STRIPING  
AT HILL CREEK SCHOOL**

(the "Project"); and

WHEREAS, said Principal is required to furnish a bond in connection with said contract; providing that if said Principal or any of its Subcontractors shall fail to pay for any materials, provisions, provender, equipment, or other supplies used in, upon, for or about the performance of the work contracted to be done, or for any work or labor done thereon of any kind, or for amounts due under the Unemployment Insurance Code or for any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of said Principal and its Subcontractors with respect to such work or labor the Surety on this bond will pay for the same to the extent hereinafter set forth.

NOW THEREFORE, we, the Principal and \_\_\_\_\_ as Surety, are held and firmly bound unto the District in the penal sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_) lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if said Principal, his or its subcontractors, heirs, executors, administrators, successors or assigns, shall fail to pay any of the persons named in Section 3181 of the Civil Code, fail to pay for any materials, provisions or other supplies, used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or amounts due under the Unemployment Insurance Code with respect to work or labor performed under the contract, or for any amounts required to be deducted, withheld, and paid over to the Employment Development Department or Franchise Tax Board from the wages of employees of the contractor and his subcontractors pursuant to Section 18663 of the Revenue and Taxation Code, with respect to such work and labor the Surety or Sureties will pay for the same, in an amount not exceeding the sum herein above specified, and also, in case suit is brought upon this bond, all litigation expenses incurred by the District in such suit, including reasonable attorneys' fees, court costs, expert witness fees and investigation expenses.

This bond shall inure to the benefit of any of the persons named in Section 3181 of the Civil Code so as to give a right of action to such persons or their assigns in any suit brought upon this bond.

It is further stipulated and agreed that the Surety on this bond shall not be exonerated or released from the obligation of this bond by any change, extension of time for performance, addition, alteration or modification in, to, or of any contract, plans, specifications, or agreement pertaining or relating to any scheme or work of improvement herein above described, or pertaining or relating to the furnishing of labor, materials, or equipment therefore, nor by any change or modification of any terms of payment or

extension of the time for any payment pertaining or relating to any scheme or work of improvement herein above described, nor by any rescission or attempted rescission or attempted rescission of the contract, agreement or bond, nor by any conditions precedent or subsequent in the bond attempting to limit the right of recovery of claimants otherwise entitled to recover under any such contract or agreement or under the bond, nor by any fraud practiced by any person other than the claimant seeking to recover on the bond and that this bond be construed most strongly against the Surety and in favor of all persons for whose benefit such bond is given, and under no circumstances shall Surety be released from liability to those for whose benefit such bond has been given, by reason of any breach of contract between the owner or District and original contractor or on the part of any obligee named in such bond, but the sole conditions of recovery shall be that claimant is a person described in Section 3110 or 3112 of the Civil Code, and has not been paid the full amount of his claim and that Surety does hereby waive notice of any such change, extension of time, addition, alteration or modification herein mentioned.

IN WITNESS WHEREOF, four (4) identical counterparts of this instrument, each of which shall for all purposes be deemed an original thereof, have been duly executed by the Principal and Surety above named, on the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

(Corporate Seal of Principal,  
if corporation)

\_\_\_\_\_  
Principal (Property Name of Contractor)

By \_\_\_\_\_  
(Signature of Contractor)

(Seal of Surety)

\_\_\_\_\_  
Surety

By \_\_\_\_\_  
Attorney in Fact

THIS IS A REQUIRED FORM

Any claims under this bond may be addressed to:

(Name and Address of Surety)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Name and Address of Agent or  
Representative for service of  
process in California, if different  
from above)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Telephone number of Surety and  
Agent or Representative for service  
of process in California)

\_\_\_\_\_

Fax number of Surety and Agent

\_\_\_\_\_

(Attached Attorney-In-Fact Certificate and Required Acknowledgements)

**\*Note: Appropriate Notarial Acknowledgments of Execution by Contractor and +surety and a power of Attorney MUST BE ATTACHED.**

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# GENERAL CONDITIONS

## ARTICLE 1. DEFINITIONS

- a. Acceptable, Acceptance or words of similar import shall be understood to be the acceptance of the District Representative and/or the District .
- b. Act of God an Act of God is an earthquake of magnitude 3.5 on the Richter scale and tidal waves.
- c. Approval means written authorization by District Representative and/or District .
- d. Contract Documents includes all documents as stated in the Contract.
- e. Day shall mean calendar day unless otherwise specifically designated.
- f. District and Contractor are those stated in the Contract. The terms District and Owner may be used interchangeably.
- g. District Representative shall mean the DISTRICT'S REPRESENTATIVE FOR PURPOSES OF OVERSEEING CONSTRUCTION as listed in the Special Conditions, or his/her designee, acting either directly or through properly authorized agents, such as agents acting within the scope of the particular duties entrusted to them. Also sometimes referred to as the "District's Representative" or "Representative" in the Contract Documents.
- h. Equal, Equivalent, Satisfactory, Directed, Designated, Selected, As Required and similar words shall mean the written approval, selection, satisfaction, direction, or similar action of the District Representative and/or District.
- i. Indicated, Shown, Detailed, Noted, Scheduled or words of similar meaning shall mean that reference is made to the drawings, unless otherwise noted. It shall be understood that the direction, designation, selection, or similar import of the District Representative and/or District is intended, unless stated otherwise.
- j. Install means the complete installation of any item, equipment or material.
- k. Material shall include machinery, equipment, manufactured articles, or construction such as form work, fasteners, etc., and any other classes of material to be furnished in connection with the Contract. All materials shall be new unless specified otherwise.
- l. Perform shall mean that the Contractor, at Contractor's expense, shall take all actions necessary to complete The Work, including furnishing of necessary labor, tools, and equipment, and providing and installing Materials that are indicated, specified, or required to complete such performance.
- m. Project is The Work planned by District as provided in the Contract Documents.
- n. Provide shall include provide complete in place, that is furnish, install, test and make ready for use.
- o. Recyclable Waste Materials shall mean materials removed from the Project site which is required per local ordinances to be diverted to a recycling center rather than an area landfill. Recyclable Waste Materials include asphalt, concrete, brick, concrete block, and rock.

- p. Specifications means that portion of the Contract Documents consisting of the written requirements for materials, equipment, construction systems, standards and workmanship for the work. Except for Sections 1-9 of the Standard Specifications for Public Works Construction (“Greenbook”), current edition, which are specifically excluded from incorporation into these Contract Documents, the Work shall be done in accordance with the Greenbook, including all current supplements, addenda, and revisions thereof. In the case of conflict between the Greenbook and the Contract Documents, the Contract Documents shall prevail.
- q. The Work means the entire improvement planned by the District pursuant to the Contract Documents.
- r. Work means labor, equipment and materials incorporated in, or to be incorporated in the construction covered by the Contract Documents.

**ARTICLE 2. CONTRACT DOCUMENTS**

- a. **Contract Documents.** The Contract Documents are complementary, and what is called for by one shall be as binding as if called for by all.
- b. **Interpretations.** The Contract Documents are intended to be fully cooperative and to be complementary. If Contractor observes that any documents are in conflict, the Contractor shall promptly notify the District Representative in writing. In case of conflicts between the Contract Documents, the order of precedence shall be as follows:
  - 1. Change Orders or Work Change Directives
  - 2. Addenda
  - 3. Special Provisions (or Special Conditions)
  - 4. Technical Specifications
  - 5. Plans (Contract Drawings)
  - 6. Contract
  - 7. General Conditions
  - 8. Instructions to Bidders
  - 9. Notice Inviting Bids
  - 10. Contractor’s Bid Forms
  - 11. Greenbook
  - 12. Standard Plans
  - 13. Reference Documents

With reference to the Drawings, the order of precedence shall be as follows:

- 1. Figures govern over scaled dimensions
  - 2. Detail drawings govern over general drawings
  - 3. Addenda or Change Order drawings govern over Contract Drawings
  - 4. Contract Drawings govern over Standard Drawings
  - 5. Contract Drawings govern over Shop Drawings
- c. **Conflicts in Contract Documents.** Notwithstanding the orders of precedence established above, in the event of conflicts, the higher standard shall always apply.
- d. **Organization of Contract Documents.** Organization of the Contract Documents into divisions, sections, and articles, and arrangement of drawings shall not control the Contractor in dividing

The Work among subcontractors or in establishing the extent of Work to be performed by any trade.

### **ARTICLE 3. CONTRACTS DOCUMENTS: COPIES & MAINTENANCE**

Contractor will be furnished, free of charge, five (5) copies of the Contract Documents. Additional copies may be obtained at cost of reproduction.

Contractor shall maintain a clean, undamaged set of Contract Documents at the Project site.

### **ARTICLE 4. DETAIL DRAWINGS AND INSTRUCTIONS**

- a. **Examination of Contract Documents.** Before commencing any portion of The Work, Contractor shall again carefully examine all applicable Contract Documents, the Project site and other information given to Contractor as to materials and methods of construction and other Project requirements. Contractor shall immediately notify the District Representative of any potential error, inconsistency, ambiguity, conflict or lack of detail or explanation. If Contractor performs, permits, or causes the performance of any Work which is in error, inconsistent or ambiguous, or not sufficiently detailed or explained, Contractor shall bear any and all resulting costs, including, without limitation, the cost of correction. In no case shall the Contractor or any subcontractor proceed with Work if uncertain as to the applicable requirements.
- b. **Additional Instructions.** After notification of any error, inconsistency, ambiguity, conflict or lack of detail or explanation, the District Representative will provide any required additional instructions, by means of drawings or other written direction, necessary for proper execution of Work.
- c. **Quality of Parts, Construction and Finish.** All parts of The Work shall be of the best quality of their respective kinds and the Contractor must use all diligence to inform itself fully as to the required construction and finish. In no case shall Contractor proceed with The Work without obtaining first from the District Representative such Approval may be necessary for the proper performance of Work.
- d. **Contractor's Variation from Contract Document Requirements.** If it is found that the Contractor has varied from the requirements of the Contract Documents including the requirement to comply with all applicable laws, ordinances, rules and regulations, the District Representative may at any time, before or after completion of the Work, order the improper Work removed, remade or replaced by the Contractor at the Contractor's expense.

### **ARTICLE 5. EXISTENCE OF UTILITIES AT THE WORK SITE**

- a. The District has endeavored to determine the existence of utilities at the Project site work area from the records of the owners of known utilities in the vicinity of the Project. The positions of these utilities as derived from such records are shown in the field.
- b. No excavations were made to verify the locations shown for underground utilities. The service connections to these utilities are not shown on the plans. It shall be the responsibility of the Contractor to determine the exact location of all service connections. The Contractor shall make its own investigations, including exploratory excavations, to determine the locations and type of service connections, prior to commencing Work which could result in damage to such utilities. The Contractor shall immediately notify the District in writing of any utility discovered in a different position than shown on the Plans or which is not shown on the plans.
- c. All water meters, water valves, fire hydrants, electrical utility vaults, telephone vaults, gas utility valves, and other subsurface structures shall be relocated or adjusted to final grade by the

Contractor. Locations of existing utilities shown on the Plans are approximate and may not be complete. The Contractor shall be responsible for coordinating its Work with all utility companies during the construction of The Work.

- d. Notwithstanding the above, pursuant to Section 4215 of the Government Code, the District has the responsibility to identify, with reasonable accuracy, main or trunkline facilities on the plans and specifications. In the event that main or trunkline utility facilities are not identified with reasonable accuracy in the plans and specifications made a part of the invitation for bids, District shall assume the responsibility for their timely removal, relocation, or protection.
- e. Contractor, except in an emergency, shall contact the appropriate regional notification center, Southern California Underground Service Alert at 1-800-227-2600 at least two working days prior to commencing any excavation if the excavation will be performed in an area which is known, or reasonably should be known, to contain subsurface installations other than the underground facilities owned or operated by the District, and obtain an inquiry identification number from that notification center. No excavation shall be commenced or carried out by the Contractor unless such an inquiry identification number has been assigned to the Contractor or any subcontractor of the Contractor and the District has been given the identification number by the Contractor.

## ARTICLE 6. SCHEDULE

- a. **Estimated Schedule.** Within fourteen (14) days after the issuance of the Notice to Proceed, Contractor shall prepare a Project schedule and shall submit this to the District Representative for Approval. The receipt or Approval of any schedules by the District Representative or the District shall not in any way relieve the Contractor of its obligations under the Contract Documents. The Contractor is fully responsible to determine and provide for any and all staffing and resources at levels which allow for good quality and timely completion of the Project. Contractor's failure to incorporate all elements of Work required for the performance of the Contract or any inaccuracy in the schedule shall not excuse the Contractor from performing all Work required for a completed Project within the specified Contract time period. If the required schedule is not received by the time the first payment under the Contract is due, Contractor shall not be paid until the schedule is received, reviewed and accepted by the District Representative.
- b. **Schedule Contents.** The schedule shall allow enough time for inclement weather. The schedule shall indicate the beginning and completion dates of all phases of construction; critical path for all critical, sequential time related activities; and "float time" for all "slack" or "gaps" in the non-critical activities. The schedule shall clearly identify all staffing and other resources which in the Contractor's judgment are needed to complete the Project within the time specified for completion. Schedule duration shall match the Contract time. Schedules indicating early completion will be rejected.
- c. **Schedule Updates.** Contractor shall continuously update its construction schedule. Contractor shall submit an updated and accurate construction schedule to the District Representative whenever requested to do so by District Representative and with each progress payment request. The District Representative may withhold progress payments or other amounts due under the Contract Documents if Contractor fails to submit an updated and accurate construction schedule.

## ARTICLE 7. SUBSTITUTIONS

- a. One Product Specified. Unless the Specifications state that no substitution is permitted, whenever the Contract Documents indicate any specific article, device, equipment, product, material, fixture, patented process, form, method, or type of construction or any specific name, make, trade name, or catalog number, with or without the words "or equal," such specification shall be deemed to be used for the purpose of facilitating description of the material, process, or article desired and shall be deemed to be followed by the words "or equal." Pursuant to Article 22c below, the Contractor

may, unless otherwise stated, offer any material, process, article, etc. which shall be materially equal or better in every respect to that so indicated or specified ("Specified Item") and will complete accomplish the purpose of the Contract Documents. Please note, however, that based on the District's RESOLUTION ADOPTING COMPATIBILITY, UNIFORMITY, AND STANDARDIZATION FOR PROPRIETARY BUILDING SYSTEM COMPONENTS, Resolution #12-02-578 JC, substitution requests will not be accepted for the following:

	<b>Manufacturer</b>
1. Fire Alarm System	Simplex and/or FCI if applicable
2. Door Locks, Keying & Hardware System	Best Keyway; Stanley or Schlage; R R Controls
3. Energy Management System	Trane or Ecobee
4. HVAC System	Trane or Carrier

- b. Products Specified Which are Commercially Unavailable. If the Contractor fails to make a request for substitutions for products, prior to the submission of its bid, and such products subsequently become commercially unavailable, the Contractor may request a substitution for such commercially unavailable item. The decision to grant this request is solely at the District's discretion. The written approval of the District, consistent with the procedure for Change Orders, shall be required for the use of a proposed substitute material. The District may condition its approval of the substitution upon the delivery to District of an extended warranty or other assurances of adequate performance of the substitution as well as an equitable deduction in the contract price should the substituted item cost less than the Specified item. All risks of delay due the approval of a requested substitution by the DSA, or any other governmental agency having jurisdiction, shall be on the requesting party. All additional costs, all procurement and construction delays, and all costs for review by the Architect or its consultants shall be the responsibility of the Contractor and will be deducted from Contractor's pay request.
- c. Substitution Request Form. Requests for substitutions of products, materials, or processes in place of a Specified Item must be in writing on the District's Substitution Request Form ("Request Form") at the time of submitting bids to the District, except as provided for in Article 7b above. The Request Form must be accompanied evidence as to whether the proposed substitution:
1. Is equal in quality, service, and ability to the Specified Item;
  2. Will entail no changes in detail, construction, and scheduling of related work;
  3. Will be acceptable in consideration of the required design and artistic effect;
  4. Will provide no cost disadvantage to the District
  5. Will require no excessive or more expensive maintenance, including adequacy and availability of replacement parts; and
  6. Will require no change in the construction schedule.
- d. Bidder agrees that in the event its substitution request is denied, it will provide the initially specified item.
- e. After bids are opened, the apparent lowest bidder shall provide, within five (5) days of opening such bids, any and all Drawing, Specifications, samples, performance data, calculations, and other information, as may be required to assist the Architect and the District in determining whether the proposed substitution is acceptable. The burden of establishing these facts shall be upon the bidder.
- f. After the District's receipt of such evidence by the bidder, the District will make its final decision as to whether the bidder's request for substitution for any Specified Items will be granted. The decision as to whether a proposed request for substitution is equal to a Specified Item shall be at the sole discretion of the District. Any request for substitution that is granted by the District shall be documented and processed through a Change Order. The District may condition its approval

of any substitution upon delivery to the District of any extended warranty or other assurances of adequate performance of the substitution. Any and all risks of delay due to approval by the DSA or any other governmental agency having jurisdiction shall be on the bidder.

- g. If the Architect and District accept a proposed substitution, the Contract agrees to pay for all engineering and design services, including, without limitation, compensation to the Architect and affected engineers for their required time to process such substitution through DSA, if required, and to make all changes and adjustments in materials or to the work of all trades directly or indirectly affected by the substituted item or items at no cost to the District.
- h. List of Manufacturers and Products Required. The Contractors shall require all Subcontractors to prepare and submit to the Contractor, within (30) days of execution of the Subcontract, comprehensive lists, in quadruplicate, of the manufacturers and products proposed for the Project, including information on materials, equipment, and fixtures required by the Contract Documents, as may be required for the Contractor's or Architect's approval. Approval of such lists of products shall not be construed as a substitute for the shop drawings, manufacturer's descriptive data, and samples, required by the Contract Documents, but rather shall be considered as a base from which more detailed submittals shall be developed for final review by the Contractor and the Architect.

## SUBSTITUTION REQUEST FORM

Pursuant to Public Contract Code Section 3400, bidder hereby requests substitution of the following articles, devices, equipment, products, materials, fixtures, patented processes, forms, methods, or types of construction.

### SUBMIT TO FACILITIES DIRECTOR

Timeline options for substitution requests.

- a. The bidder may request a pre-approval of the substitution. The substitution form must be received no later than 5 business days prior to the bid opening with the District response no later than 2 business days prior to bid opening. The Substitution Request Form as signed and approved by the District must then accompany the bid.
- b. The bidder can submit the substitution request with the bid. Bidder agrees that in the event its substitution request is denied, the bidder will provide the initially specified item. If the bidder is unable to provide the initially specified item due to certification or manufacturer requirements, etc. proof must be provided in order to be released from the bid. If the bidder is so released, the bid will then be awarded to the next, low responsive bidder.

### THIS PAGE MUST BE COMPLETED IF A SUBSTITUTION IS REQUESTED

**If this form is not included with the bid package, it will be the District's conclusion that the contractor intends to use all products as specified in the bid package and/or plans and all bid prices reflect this intent.**

	Specified Item	Requested Substituted Item	District Decision
			<b>Circle One</b>
<b>1</b>			<b>Grant Deny</b>
<b>2</b>			<b>Grant Deny</b>
<b>3</b>			<b>Grant Deny</b>
<b>4</b>			<b>Grant Deny</b>
<b>5</b>			<b>Grant Deny</b>
<b>6</b>			<b>Grant Deny</b>
<b>7</b>			<b>Grant Deny</b>

The Request Form must be accompanied by evidence as to whether the proposed substitution (1) is equal in quality, service, and ability to the Specified Item; (2) will entail no change in detail, construction, and scheduling of related work; (3) will be acceptable in consideration of the required design and artistic effect; (4) will provide no cost disadvantage to the District; (5) will require no excessive or more expensive maintenance, including adequacy and availability of replacement parts; and (6) will require no change of the construction schedule.

The undersigned states that the following paragraph, unless modified on attachments, are correct:

1. The proposed substitution does not affect the dimensions shown on the Drawings.
2. The undersigned will pay for changes to the building design, including engineering design, detailing, and construction costs caused by the requested substitution.
3. The proposed substitution will have no adverse effect on other trades, the construction schedule, or specified warranty requirements.
4. Maintenance and service parts will be available locally for the proposed substitution.

Bid # \_\_\_\_\_

Bid Title: \_\_\_\_\_

Name of Bidder: \_\_\_\_\_

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

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

E-Mail: \_\_\_\_\_

District Signature: \_\_\_\_\_

Printed Name & Title \_\_\_\_\_

Phone Number: \_\_\_\_\_

**This page must be completed and returned with bid if a substitution is requested.**

**If this form is not included with the bid package, it will be the District's conclusion that the contractor intends to use all products as specified in the bid package and/or plans and all bid prices reflect this intent.**



## **ARTICLE 8. SHOP DRAWINGS**

- a. Contractor shall check and verify all field measurements and shall submit with such promptness as to provide adequate time for review and cause no delay in his own Work or in that of any other contractor, subcontractor, or worker on the Project, six (6) copies of all shop or setting drawings, calculations, schedules, and materials list, and all other provisions required by the Contract. Contractor shall sign all submittals affirming that submittals have been reviewed and approved by Contractor prior to submission to District Representative. Each signed submittal shall affirm that the submittal meets all the requirements of the Contract Documents except as specifically and clearly noted and listed on the cover sheet of the submittal.
- b. Contractor shall make any corrections required by the District Representative, and file with the District Representative six (6) corrected copies each, and furnish such other copies as may be needed for completion of the Work. District Representative's approval of shop drawings shall not relieve Contractor from responsibility for deviations from the Contract Documents unless Contractor has, in writing, called District Representative's attention to such deviations at time of submission and has secured the District Representative's written Approval. District Representative's Approval of shop drawings shall not relieve Contractor from responsibility for errors in shop drawings.

## **ARTICLE 9. SUBMITTALS**

- a. Contractor shall furnish to the District Representative for approval, prior to purchasing or commencing any Work, a log of all samples, material lists and certifications, mix designs, schedules, and other submittals, as required in the specifications. The log shall indicate whether samples will be provided in accordance with other provisions of this Contract.
- b. Contractor will provide samples and submittals, together with catalogs and supporting data required by the District Representative, to the District Representative within a reasonable time period to provide for adequate review and avoid delays in the Work.
- c. These requirements shall not authorize any extension of time for performance of this Contract. District Representative will check and approve such samples, but only for conformance with design concept of work and for compliance with information given in the Contract Documents. Work shall be in accordance with approved samples and submittals.

## **ARTICLE 10. MATERIALS**

- a. Except as otherwise specifically stated in the Contract Documents, Contractor shall provide and pay for all materials, labor, tools, equipment, water, lights, power, transportation, superintendence, temporary constructions of every nature, and all other services and facilities of every nature whatsoever necessary to execute and complete this Contract within specified time.
- b. Unless otherwise specified, all materials shall be new and the best of their respective kinds and grades as noted and/or specified, and workmanship shall be of good quality.
- c. Materials shall be furnished in ample quantities and at such times as to ensure uninterrupted progress of The Work and shall be stored properly and protected as required by the Contract Documents. Contractor shall be entirely responsible for damage or loss by weather or other causes to materials or Work.

- d. No materials, supplies, or equipment for Work under this Contract shall be purchased subject to any chattel mortgage or under a conditional sale or other agreement by which an interest therein or in any part thereof is retained by the seller or supplier. Contractor warrants good title to all material, supplies, and equipment installed or incorporated in the work and agrees upon completion of all work to deliver the Project, to the District free from any claims, liens, or charges.
- e. Materials shall be stored on the Project site in such manner so as not to interfere with any operations of the District or any independent contractor.

## ARTICLE 11. CONTRACTOR'S SUPERVISION

Contractor shall continuously keep at the Project site, a competent and experienced full-time Project superintendent approved by the District. Superintendent must be able to proficiently speak, read and write in English. Contractor shall continuously provide efficient supervision of the Project.

## ARTICLE 12. WORKERS

- a. Contractor shall at all times enforce strict discipline and good order among its employees. Contractor shall not employ on the Project any unfit person or any one not skilled in the Work assigned to him or her.
- b. Any person in the employ of the Contractor whom the District may deem incompetent or unfit shall be dismissed from The Work and shall not be employed on this Project except with the written Approval of the District.

## ARTICLE 13. FINGERPRINTING REQUIREMENTS

District Determination of Fingerprinting Requirement Application is set forth in the Special Conditions.

- a. Contracts For Construction, Reconstruction, Rehabilitation Or Repair Of A School Facility Involving More Than Limited Contact With Students.

If the District determines, based on the totality of the circumstances concerning the Project, that the Contractor and Contractor's employees are subject to the requirements of Education Code section 45125.2 pertaining to Contracts for Construction, Reconstruction, Rehabilitation or Repair of a School Facility because they will have contact other than limited contact with pupils, by execution of the Contract, the Contractor acknowledges that Contractor is entering into a contract for the construction, reconstruction, rehabilitation, or repair of a school facility where the Contractor and/or Contractor's employees will have more than limited contact with students and the services to be provided do not constitute an emergency or exceptional situation. In accordance with Education Code section 45125.2 the Contractor shall, at Contractor's own expense, (a) install a physical barrier to limit contact with students by Contractor and/or Contractor's employees, or **(b) provide for the continuous supervision and monitoring of the Contractor and/or Contractor's employees by an employee of the Contractor who has received fingerprint clearance from the California Department of Justice**, or (c) provide for the surveillance of the Contractor and Contractor's employees by a District employee.

- b. Contracts For Construction, Reconstruction Rehabilitation Or Repair Of A School Facility Involving Only Limited Contact With Students.

If the District determines based on the totality of the circumstances concerning the Project that the Contractor and Contractor's employees are subject to the requirements of Education Code section 45125.2 pertaining to Contracts for Construction, Reconstruction, Rehabilitation or Repair of a School Facility because they will have only limited contact with pupils, by execution of the Contract, the Contractor acknowledges that Contractor is entering into a contract for the construction, reconstruction, rehabilitation or repair of a school facility involving only limited contact with students. Accordingly, the

parties agree that the following conditions apply to any work performed by the Contractor and/or Contractor's employees on a school site: (1) Contractor and/or Contractor's employees shall check in with the school office each day immediately upon arriving at the school site; (2) Contractor and/or Contractor's employees shall inform school office staff of their proposed activities and location at the school site; (3) Once at such location Contractor and/or Contractor's employees shall not change locations without contacting the school office; (4) Contractor and Contractor's employees shall not use student restroom facilities; and (5) If Contractor and/or Contractor's employees find themselves alone with a student, Contractor and Contractor's employees shall immediately contact the school office and request that a member of the school staff be assigned to the work location.

#### **ARTICLE 14. SUBCONTRACTORS**

- a. Contractor agrees to bind every subcontractor to the terms of the Contract Documents as far as such terms are applicable to subcontractor's portion of The Work. Contractor shall be as fully responsible to the District for the acts and omissions of its subcontractors and of persons either directly or indirectly employed by its subcontractors, as Contractor is for acts and omissions of persons directly employed by Contractor. Nothing contained in these Contract Documents shall create any contractual relationship between any subcontractor and the District.
- b. The District reserves the right to Approve all subcontractors. The District's Approval of any subcontractor under this Contract shall not in any way relieve Contractor of its obligations in the Contract Documents.
- c. Prior to substituting any subcontractor listed in the Bid Forms, Contractor must comply with the requirements of the Subletting and Subcontracting Fair Practices Act pursuant to California Public Contract Code section 4100 et seq.

#### **ARTICLE 15. PERMITS AND LICENSES**

Permits and licenses necessary for prosecution of The Work shall be secured and paid for by Contractor, unless otherwise specified in the Contract Documents.

- a. Contractor shall obtain and pay for all other permits and licenses required for The Work, including excavation permit and for plumbing, mechanical and electrical work and for operations in or over public streets or right of way under jurisdiction of public agencies other than the District.
- b. The Contractor shall arrange and pay for all off-site inspection of the Work related to permits and licenses, including certification, required by the specifications, drawings, or by governing authorities, except for such off-site inspections delineated as the District's responsibility pursuant to the Contract Documents.
- c. Before Acceptance of the Project, the Contractor shall submit all licenses, permits, certificates of inspection and required approvals to the District.

#### **ARTICLE 16. UTILITY USAGE**

- a. All temporary utilities, including but not limited to electricity, water, gas, and telephone, used on the Work shall be furnished and paid for by Contractor. Contractor shall Provide necessary temporary distribution systems, including meters, if necessary, from distribution points to points on The Work where the utility is needed. Upon completion of The Work, Contractor shall remove all temporary distribution systems.
- b. Contractor shall provide necessary and adequate utilities and pay all costs for water, electricity, gas, oil, and sewer charges required for completion of the Project.

- c. All permanent meters Installed shall be listed in the Contractor's name until Project Acceptance.
- d. If the Contract is for construction in existing facilities, Contractor may, with prior written Approval of the District, use the District's existing utilities by compensating the District for utilities used by Contractor.

## **ARTICLE 17. INSPECTION FEES FOR PERMANENT UTILITIES**

All inspection fees and other municipal charges for permanent utilities including, but not limited to, sewer, electrical, phone, gas, water, and irrigation shall be paid for by the District. Contractor shall be responsible for arranging the payment of such fees, but inspection fees and other municipal fees relating to permanent utilities shall be paid by the District. Contractor may either request reimbursement from the District for such fees, or shall be responsible for arranging and coordination with District for the payment of such fees.

## **ARTICLE 18. TRENCHES**

- a. Trenches Five Feet or More in Depth. The Contractor shall submit to the District, in advance of excavation, a detailed plan showing the design of shoring, bracing, sloping or other provisions to be made for worker protection from the hazard of caving ground during the excavation of any trench or trenches five feet or more in depth. If the plan varies from shoring system standards, the plan shall be prepared by a registered civil or structural engineer. The plan shall not be less effective than the shoring, bracing, sloping, or other provisions of the Construction Safety Orders, as defined in the California Code of Regulations.
- b. Excavations Deeper than Four Feet. If work under this Contract involves digging trenches or other excavation that extends deeper than four feet below the surface, Contractor shall promptly, and before the following conditions are disturbed, notify the District, in writing, of any:
  - 1) Material that the Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law.
  - 2) Subsurface or latent physical conditions at the site differing from those indicated.
  - 3) Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract.

The District shall promptly investigate the conditions, and if it finds that the conditions do so materially differ, or do involve hazardous waste, and cause a decrease or increase in Contractor's cost of, or the time required for, performance of any part of The Work, shall issue a change order under the procedures described in the Contract Documents.

In the event that a dispute arises between the District and the Contractor as to whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of The Work, the Contractor shall not be excused from any scheduled completion date provided for by the Contract, but shall proceed with all Work to be performed under the Contract. Contractor shall retain any and all rights provided either by contract or by law which pertain to the resolution of disputes and protests between the parties.

## **ARTICLE 19. REMOVAL OF HAZARDOUS MATERIALS**

Should Contractor encounter material reasonably believed to be polychlorinated biphenyl (PCB) or other toxic wastes and hazardous materials which have not been rendered harmless at the Project site, the Contractor shall immediately stop work at the affected Project site and shall report the condition to the District in writing. The District shall contract for any services required to directly remove and/or abate PCBs and other toxic wastes and hazardous materials, if required by the Project site(s), and shall not require the Contractor to subcontract for such services. The Work in the affected area shall not thereafter be resumed except by written agreement of the District and Contractor.

## **ARTICLE 20. SANITARY FACILITIES**

Contractor shall provide sanitary temporary toilet buildings for the use of all workers. All toilets shall comply with local codes and ordinances. Toilets shall be kept supplied with toilet paper and shall have workable door fasteners. Toilets shall be serviced no less than once weekly and shall be present in a quantity of not less than 1 per 20 workers as required by CAL-OSHA regulation. The toilets shall be maintained in a sanitary condition at all times. Use of toilet facilities in The Work under construction shall not be permitted. Any other Sanitary Facilities required by CAL-OSHA shall be the responsibility of the Contractor.

## **ARTICLE 21. AIR POLLUTION CONTROL**

Contractor shall comply with all air pollution control rules, regulations, ordinances and statutes. All containers of paint, thinner, curing compound, solvent or liquid asphalt shall be labeled to indicate that the contents fully comply with the applicable material requirements.

## **ARTICLE 22. COMPLIANCE WITH STATE STORM WATER PERMIT**

- a. Contractor shall be required to comply with all conditions of the State Water Resources Control Board ("State Water Board") National Pollutant Discharge Elimination System General Permit for Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction Activity ("Permit") for all construction activity which results in the disturbance of in excess of one acre of total land area or which is part of a larger common area of development or sale. Owner shall be responsible for filing the Notice of Intent and for obtaining the Permit. Contractor shall be solely responsible for preparing and implementing a Storm Water Pollution Prevention Plan ("SWPPP") prior to initiating Work. In bidding on this Contract, it shall be Contractor's responsibility to evaluate the cost of procuring the Permit and preparing the SWPPP as well as complying with the SWPPP and any necessary revision to the SWPPP. Contractor shall comply with all requirements of the State Water Resources Control Board. Contractor shall include all costs of compliance with specified requirements in the Contract amount.
- b. Contractor shall be responsible for procuring, implementing and complying with the provisions of the Permit and the SWPPP, including the standard provisions, monitoring and reporting requirements as required by the Permit. Contractor shall provide copies of all reports and monitoring information to the District Representative.
- c. Contractor shall comply with the lawful requirements of any applicable municipality, the District, drainage district, and other local agencies regarding discharges of storm water to separate storm drain system or other watercourses under their jurisdiction, including applicable requirements in municipal storm water management programs.
- d. Storm, surface, nuisance, or other waters may be encountered at various times during construction of The Work. Therefore, the Contractor, by submitting a Bid, hereby acknowledges that it has investigated the risk arising from such waters, has prepared its Bid accordingly, and assumes any and all risks and liabilities arising therefrom.

- e. Failure to comply with the Permit is in violation of federal and state law. Contractor hereby agrees to indemnify and hold harmless District, its officials, officers, agents, employees and authorized volunteers from and against any and all claims, demands, losses or liabilities of any kind or nature which District, its officials, officers, agents, employees and authorized volunteers may sustain or incur for noncompliance with the Permit arising out of or in connection with the Project, except for liability resulting from the sole established negligence, willful misconduct or active negligence of the District, its officials, officers, agents, employees or authorized volunteers. District may seek damages from Contractor for delay in completing the Contract in accordance with the Contract Documents, caused by Contractor's failure to comply with the Permit.

### **ARTICLE 23. CLEANING UP**

- a. Contractor at all times shall keep premises free from debris such as waste, rubbish, and excess materials and equipment. Contractor shall not store debris under, in, or about the premises. Upon completion of Work, Contractor shall clean the interior and exterior of the building or improvement including fixtures, equipment, walls, floors, ceilings, roofs, window sills and ledges, horizontal projections, and any areas where debris has collected so surfaces are free from foreign material or discoloration. Contractor shall clean and polish all glass, plumbing fixtures, and finish hardware and similar finish surfaces and equipment and contractor shall also remove temporary fencing, barricades, planking and construction toilet and similar temporary facilities from site. Contractor shall also clean all buildings, asphalt and concrete areas to the degree necessary to remove oil, grease, fuel, or other stains caused by Contractor operations or equipment.
- b. Contractor shall fully clean up the site at the completion of The Work. If the Contractor fails to immediately clean up at the completion of The Work, the District may do so and the cost of such clean up shall be charged back to the Contractor.

### **ARTICLE 24. LAYOUT AND FIELD ENGINEERING**

All field engineering required for laying out The Work and establishing grades for earthwork operations shall be furnished by the Contractor at its expense. Layout shall be done by a registered civil engineer Approved by the District Representative. Any required "as-built" drawings of the Work shall be prepared by the registered civil engineer.

### **ARTICLE 25. EXCESSIVE NOISE**

- a. The Contractor shall use only such equipment on the work and in such state of repair so that the emission of sound therefrom is within the noise tolerance level of that equipment as established by CAL-OSHA.
- b. The Contractor shall comply with the most restrictive of the following: (1) local sound control and noise level rules, regulations and ordinances and (2) the requirements contained in these Contract Documents, including hours of operation requirements. No internal combustion engine shall be operated on the Project without a muffler of the type recommended by the manufacturer. Should any muffler or other control device sustain damage or be determined to be ineffective or defective, the Contractor shall promptly remove the equipment and shall not return said equipment to the job until the device is repaired or replaced. Said noise and vibration level requirements shall apply to all equipment on the job or related to the job, including but not limited to, trucks, transit mixers or transit equipment that may or may not be owned by the Contractor.

### **ARTICLE 26. TESTS AND INSPECTIONS**

- a. If the Contract Documents, the District Representative, or any instructions, laws, ordinances, or public authority require any part of The Work to be tested or Approved, Contractor shall provide the District Representative at least two (2) working days notice of its readiness for observation or

inspection. If inspection is by a public authority other than the District, Contractor shall promptly inform the District of the date fixed for such inspection. Required certificates of inspection (or similar) shall be secured by Contractor. Costs for District testing and District inspection shall be paid by the District. Costs of tests for Work found not to be in compliance shall be paid by the Contractor.

- b. If any Work is done or covered up without the required testing or approval, the Contractor shall uncover or deconstruct the Work, and the Work shall be redone after completion of the testing at the Contractor's cost in compliance with the Contract Documents.
- c. Where inspection and testing are to be conducted by an independent laboratory or agency, materials or samples of materials to be inspected or tested shall be selected by such laboratory or agency, or by the District, and not by Contractor. All tests or inspections of materials shall be made in accordance with the commonly recognized standards of national organizations.
- d. In advance of manufacture of materials to be supplied by Contractor which must be tested or inspected, Contractor shall notify the District so that the District may arrange for testing at the source of supply. Any materials which have not satisfactorily passed such testing and inspection shall not be incorporated into The Work.
- e. If the manufacture of materials to be inspected or tested will occur in a plant or location outside the geographic limits of District, the Contractor shall pay for any excessive or unusual costs associated with such testing or inspection, including but not limited to excessive travel time, standby time and required lodging.
- f. Reexamination of Work may be ordered by the District. If so ordered, Work must be uncovered or deconstructed by Contractor. If Work is found to be in accordance with the Contract Documents, the District shall pay the costs of reexamination and reconstruction. If such work is found not to be in accordance with the Contract Documents, Contractor shall pay all costs.

## **ARTICLE 27. PROTECTION OF WORK AND PROPERTY**

- a. The Contractor shall be responsible for all damages to persons or property that occur as a result of The Work. Contractor shall be responsible for the proper care and protection of all materials delivered and Work performed until completion and final Acceptance by the District. All Work shall be solely at the Contractor's risk. Contractor shall adequately protect adjacent property from settlement or loss of lateral support as necessary. Contractor shall comply with all applicable safety laws and building codes to prevent accidents or injury to persons on, about, or adjacent to the Project site where Work is being performed. Contractor shall erect and properly maintain at all times, as required by field conditions and progress of work, all necessary safeguards, signs, barriers, lights, and watchmen for protection of workers and the public, and shall post danger signs warning against hazards created in the course of construction.
- b. In an emergency affecting safety of life or of work or of adjoining property, Contractor, without special instruction or authorization from the District Representative, is hereby permitted to act to prevent such threatened loss or injury; and Contractor shall so act, without appeal, if so authorized or instructed by the District Representative or the District. Any compensation claimed by Contractor on account of emergency work shall be determined by and agreed upon by the District and the Contractor.
- c. Contractor shall provide such heat, covering, and enclosures as are necessary to protect all Work, materials, equipment, appliances, and tools against damage by weather conditions.

- d. Contractor shall take adequate precautions to protect existing sidewalks, curbs, pavements, utilities, and other adjoining property and structures, and to avoid damage thereto, and Contractor shall repair any damage thereto caused by The Work operations. Contractor shall:
- 1) Enclose working area with a substantial barricade, and arrange work to cause minimum amount of inconvenience and danger to the public.
  - 2) Provide substantial barricades around any shrubs or trees indicated to be preserved.
  - 3) Deliver materials to the Project site over a route designated by the District Representative.
  - 4) Provide any and all dust control required and follow the Applicable air quality regulations as appropriate. If the Contractor does not comply, the District shall have the immediate authority to provide dust control and deduct the cost from payments to the Contractor.
  - 5) Confine Contractor's apparatus, the storage of materials, and the operations of its workers to limits required by law, ordinances, permits, or directions of the District Representative. Contractor shall not unreasonably encumber the Project site with its materials.
  - 6) Take care to prevent disturbing or covering any survey markers, monuments, or other devices marking property boundaries or corners. If such markers are disturbed by accident, they shall be replaced by an approved civil engineer or land surveyor, at no cost to the District.

#### **ARTICLE 28. CONTRACTORS MEANS AND METHODS**

Contractor is solely responsible for the means and methods utilized to Perform The Work. In no case shall the Contractor's means and methods deviate from commonly used industry standards.

#### **ARTICLE 29. AUTHORIZED REPRESENTATIVES**

The District shall designate representatives, who shall have the right to be present at the Project site at all times. The District may designate an inspector who shall have the right to observe all of the Contractor's Work. The inspector is not authorized to make changes in the Contract Documents. The inspector shall not be responsible for the Contractor's failure to carry out The Work in accordance with the Contract Documents. Contractor shall provide safe and proper facilities for such access.

#### **ARTICLE 30. HOURS OF WORK**

- a. Eight (8) hours of work shall constitute a legal day's work. The Contractor and each subcontractor shall forfeit, as penalty to the District, twenty-five dollars (\$25) for each worker employed in the execution of Work by the Contractor or any subcontractor for each day during which such worker is required or permitted to work more than eight (8) hours in any one day and forty (40) hours in any week in violation of the provisions of the Labor Code, and in particular, Section 1810 to Section 1815, except as provided in Labor Code Section 1815.
- b. Work shall be accomplished on a regularly scheduled eight (8) hour per day work shift basis, Monday through Friday, in compliance with local noise ordinances.
- c. Any person to operate, permit, use, or cause to operate any of the following at the Project site, Monday through Friday must be in compliance with local noise ordinances, with no Work allowed on District-observed holidays, unless pre-approved by the District Representative:



- 1) Powered Vehicles
- 2) Construction Equipment
- 3) Loading and Unloading Vehicles
- 4) Domestic Power Tool

### **ARTICLE 31. PAYROLL RECORDS**

- a. Pursuant to Labor Code Section 1776, the Contractor and each subcontractor shall maintain weekly certified payroll records showing the name, address, social security number, work classification, straight time and overtime hours paid each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker or other employee employed in connection with the work. Contractor shall certify under penalty of perjury that records maintained and submitted by Contractor are true and accurate. Contractor shall also require subcontractor(s) to certify weekly payroll records under penalty of perjury.
- b. The payroll records described herein shall be certified and submitted by the Contractor at a time designated by the District. The Contractor shall also provide the following:
  - 1) A certified copy of the employee's payroll records shall be made available for inspection or furnished to such employee or his or her authorized representative on request.
  - 2) A certified copy of all payroll records described herein shall be made available for inspection or furnished upon request of the Department of Industrial Relations ("DIR").
- c. The certified payroll records shall be on forms provided by the Division of Labor Standards Enforcement ("DLSE") of the DIR or shall contain the same information as the forms provided by the DLSE.
- d. Any copy of records made available for inspection and furnished upon request to the public shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address, and social security number. The name and address of the Contractor or any subcontractor shall not be marked or obliterated.
- e. In the event of noncompliance with the requirements of this Section, the Contractor shall have ten (10) days in which to comply subsequent to receipt of written notice specifying any item or actions necessary to ensure compliance with this section. Should noncompliance still be evident after such ten (10) day period, the Contractor shall, as a penalty to the District, forfeit Twenty-five Dollars (\$25.00) for each day, or portion thereof, for each worker until strict compliance is effectuated. Upon the request of the DIR, such penalties shall be withheld from contract payments.

### **ARTICLE 32. PREVAILING RATES OF WAGES**

- a. The Contractor is aware of the requirements of Labor Code Sections 1720 et seq. and 1770 et seq., as well as California Code of Regulations, Title 8, Section 16000 et seq. ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects. Since this Project involves an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and since the total compensation is \$1,000 or more, Contractor agrees to fully comply with such Prevailing Wage Laws. The Contractor shall obtain a copy of the prevailing rates of per diem wages at the commencement of this Agreement from the website of the Division of Labor Statistics and Research of the Department of Industrial Relations located at [www.dir.ca.gov/dlsr/](http://www.dir.ca.gov/dlsr/).

Contractor shall make copies of the prevailing rates of per diem wages for each craft, classification or type of worker needed to perform work on the Project available to interested parties upon request, and shall post copies at the Contractor's principal place of business and at the Project site. Contractor shall defend, indemnify and hold the District, its elected officials, officers, employees and agents free and harmless from any claims, liabilities, costs, penalties or interest arising out of any failure or alleged failure to comply with the Prevailing Wage Laws.

- b. The Contractor and each subcontractor shall forfeit as a penalty to the District not more than fifty dollars (\$50) for each calendar day, or portion thereof, for each worker paid less than the stipulated prevailing wage rate for any work done by him, or by any subcontract under him, in violation of the provisions of the Labor Code. The difference between such stipulated prevailing wage rate and the amount paid to each worker for each calendar day or portion thereof for which each worker was paid less than the stipulated prevailing wage rate shall be paid to each worker by the Contractor.
- c. Contractor shall post, at appropriate conspicuous points on the Project site, a schedule showing all determined general prevailing wage rates and all authorized deductions, if any, from unpaid wages actually earned.

### **ARTICLE 33. EMPLOYMENT OF APPRENTICES**

The Contractor's attention is directed to the provisions of Sections 1777.5, 1777.6, and 1777.7 of the Labor Code concerning employment of apprentices by the Contractor or any subcontractor. The Contractor shall obtain a certificate of apprenticeship before employing any apprentice pursuant to Section 1777.5, 1777.6, and 1777.7 of the Labor Code. Information relative to apprenticeship standards, wage schedules, and other requirements may be obtained from the Director of Industrial Relations, the Administrator of Apprenticeships, San Francisco, California, or from the Division of Apprenticeship Standards and its branch offices.

### **ARTICLE 34. NONDISCRIMINATION/EQUAL EMPLOYMENT OPPORTUNITY**

Pursuant to Labor Code Section 1735 and other applicable provisions of law, the Contractor and its subcontractors shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, age, political affiliation, marital status, or handicap on this Project. The Contractor will take affirmative action to insure that employees are treated during employment or training without regard to their race, color, religion, sex, national origin, age, political affiliation, marital status, or handicap.

### **ARTICLE 35. LABOR/EMPLOYMENT SAFETY**

The Contractor shall maintain emergency first aid treatment for his employees which complies with the Federal Occupational Safety and Health Act of 1970 (29 U.S.C. § 651 et seq.), and California Code of Regulations, Title 8, Industrial Relations Division 1, Department of Industrial Relations, Chapter 4.

### **ARTICLE 36. WORKERS' COMPENSATION INSURANCE**

The Contractor shall Provide, during the life of this Contract, workers' compensation insurance for all of the employees engaged in Work under this Contract, on or at the Project site, and, in case any of sublet Work, the Contractor shall require the subcontractor similarly to provide workers' compensation insurance for all the latter's employees as prescribed by State law. Any class of employee or employees not covered by a subcontractor's insurance shall be covered by the Contractor's insurance. In case any class of employees engaged in work under this Contract, on or at the Project site, is not protected under the Workers' Compensation Statutes, the Contractor shall provide or shall cause a subcontractor to provide, adequate insurance coverage for the protection of such employees not otherwise protected. The Contractor is required to secure payment of compensation to his employees in accordance with the

provisions of Section 3700 of the Labor Code. The Contractor shall file with the District certificates of his insurance protecting workers. Company or companies providing insurance coverage shall be acceptable to the District, if in the form and coverage as set forth in the Contract Documents.

#### **ARTICLE 37. EMPLOYER'S LIABILITY INSURANCE**

Contractor shall provide during the life of this Contract, Employer's Liability Insurance, including Occupational Disease, in the amount of, at least, one million dollars (\$1,000,000.00) per person per accident. Contractor shall provide District with a certificate of Employer's Liability Insurance. Such insurance shall comply with the provisions of the Contract Documents. The policy shall be endorsed, if applicable, to provide a Borrowed Servant/Alternate Employer Endorsement and contain a Waiver of Subrogation in favor of the District.

#### **ARTICLE 38. COMMERCIAL GENERAL LIABILITY INSURANCE**

- a. Contractor shall procure and maintain during the life of this Contract and for such other period as may be required herein, at its sole expense, Commercial General Liability insurance coverage, including but not limited to, premises liability, contractual liability, products/completed operations if applicable, personal and advertising injury – which may arise from or out of Contractor's operations, use, and management of the Project site, or the performance of its obligations hereunder. Policy limits shall not be less than **\$1,000,000** per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.
- b. Such policy shall comply with all the requirements of this Article. The limits set forth herein shall apply separately to each insured against whom claims are made or suits are brought, except with respect to the limits of liability. Further the limits set forth herein shall not be construed to relieve the Contractor from liability in excess of such coverage, nor shall it limit Contractor's indemnification obligations to the District, and shall not preclude the District from taking such other actions available to the District under other provisions of the Contract Documents or law.
- c. Contractor shall make certain that any and all subcontractors hired by Contractor are insured in accordance with this Contract. If any subcontractor's coverage does not comply with the foregoing provisions, Contractor shall indemnify and hold the District harmless from any damage, loss, cost, or expense, including attorneys' fees, incurred by the District as a result thereof.
- d. All general liability policies provided pursuant to the provisions of this Article shall comply with the provisions of the Contract Documents.
- e. All general liability policies shall be written to apply to all bodily injury, including death, property damage, personal injury, owned and non-owned equipment, blanket contractual liability, completed operations liability, explosion, collapse, under-ground excavation, removal of lateral support, and other covered loss, however occasioned, occurring during the policy term, and shall specifically insure the performance by Contractor of that part of the indemnification contained in these General Conditions, relating to liability for injury to or death of persons and damage to property. If the coverage contains one or more aggregate limits, a minimum of 50% of any such aggregate limit must remain available at all times; if over 50% of any aggregate limit has been paid or reserved, the District may require additional coverage to be purchased by Contractor to restore the required limits. Contractor may combine primary, umbrella, and as broad as possible excess liability coverage to achieve the total limits indicated above. Any umbrella or excess liability policy shall include the additional insured endorsement described in the Contract Documents.

## **ARTICLE 39. AUTOMOBILE LIABILITY INSURANCE**

Contractor shall take out and maintain at all times during the term of this Contract Automobile Liability Insurance in the amount of, at least, one million dollars (\$1,000,000). Such insurance shall provide coverage for bodily injury and property damage including coverage for non-owned and hired vehicles, in a form and with insurance companies acceptable to the District. Such insurance shall comply with the provisions of Article 30 below.

## **ARTICLE 40. BUILDER'S RISK ["ALL RISK"]**

- a. It is the Contractor's responsibility to maintain or cause to be maintained Builder's Risk [ "All Risk"] extended coverage insurance on all work, material, equipment, appliances, tools, and structures which are a part of the Contract and subject to loss or damage by fire, and vandalism and malicious mischief, in an amount to cover 100% of the replacement cost. The District accepts no responsibility until the Contract is formally accepted by the Governing Board for the work. The Contractor is required to file with the District a certificate evidencing fire insurance coverage.
- b. Provide insurance coverage on completed value form, all-risk or special causes of loss coverage.
  - 1) Insurance policies shall be so conditioned as to cover the performance of any extra work performed under the Contract.
  - 2) Coverage shall include all materials stored on site and in transit.
  - 3) Coverage shall include Contractor's tools and equipment.
  - 4) Insurance shall include boiler, machinery and material hoist coverage.
- c. Such insurance shall comply with the provisions of the Contract Documents.

## **ARTICLE 41. FORM AND PROOF OF CARRIAGE OF INSURANCE**

- a. Any insurance carrier providing insurance coverage required by the Contract Documents shall be admitted to and authorized to do business in the State of California unless waived, in writing, by the District Risk Manager. Carrier(s) shall have an A.M. Best rating of not less than an A:VIII. Insurance deductibles or self-insured retentions must be declared by the Contractor, and such deductibles and retentions shall have the prior written consent from the District. At the election of the District the Contractor shall either 1) reduce or eliminate such deductibles or self-insured retentions, or 2) procure a bond which guarantees payment of losses and related investigations, claims administration, and defense costs and expenses.
- b. Contractor shall cause its insurance carrier(s) to furnish the District with either 1) a properly executed original Certificates(s) of Insurance and certified original copies of Endorsements effecting coverage as required herein, or 2) if requested to do so in writing by the District Risk Manager, provide original Certified copies of policies including all Endorsements and all attachments thereto, showing such insurance is in full force and effect. The District, its Directors' and officers, employees, agents or representatives are named as Additional Insured's and Provide a Waiver of Subrogation in favor of those parties. Further, said Certificates(s) and policies of insurance shall contain the covenant of the insurance carrier(s) that shall provide no less than thirty (30) days written notice be given to the District prior to any material modification or cancellation of such insurance. In the event of a material modification or cancellation of coverage, the District may terminate or Stop Work pursuant to the Contract Documents, unless the District receives, prior to such effective date, another properly executed original Certificate of Insurance and original copies of endorsements or certified original policies, including all

endorsements and attachments thereto evidencing coverages set forth herein and the insurance required herein is in full force and effect. Contractor shall not take possession, or use the Project site, or commence operations under this Agreement until the District has been furnished original Certificate(s) of Insurance and certified original copies of Endorsements or policies of insurance including all Endorsements and any and all other attachments as required in this Section. The original Endorsements for each policy and the Certificate of Insurance shall be signed by an individual authorized by the insurance carrier to do so on its behalf.

- c. It is understood and agreed to by the parties hereto and the insurance company(s), that the Certificate(s) of Insurance and policies shall so covenant and shall be construed as primary, and the District's insurance and/or deductibles and/or self-insured retentions or self-insured programs shall not be construed as contributory.
- d. The District reserves the right to adjust the monetary limits of insurance coverage's during the term of this Contract including any extension thereof-if in the District's reasonable judgment, the amount or type of insurance carried by the Contractor becomes inadequate.
- e. Contractor shall pass down the insurance obligations contained herein to all tiers of sub-contractors working under this Contract.

#### **ARTICLE 42. TIME FOR COMPLETION AND LIQUIDATED DAMAGES**

- a. **Time for Completion/Liquidated Damages.** Work shall be commenced within ten (10) days of the date stated in the District's Notice to Proceed and shall be completed by Contractor in the time specified in the Contract Documents. The District is under no obligation to consider early completion of the Project; and the Contract completion date shall not be amended by the District's receipt or acceptance of the Contractor's proposed earlier completion date. Furthermore, Contractor shall not, under any circumstances, receive additional compensation from the District (including but not limited to indirect, general, administrative or other forms of overhead costs) for the period between the time of earlier completion proposed by the Contractor and the Contract completion date. If The Work is not completed as stated in the Contract Documents, it is understood that the District will suffer damage. In accordance with Government Code section 53069.85, being impractical and infeasible to determine the amount of actual damage, it is agreed that Contractor shall pay to the District as fixed and liquidated damages, and not as a penalty, the sum stipulated in the Contract for each day of delay until The Work is fully completed. Contractor and its surety shall be liable for any liquidated damages. Any money due or to become due the Contractor may be retained to cover liquidated damages.
- b. **Inclement Weather.** The District is aware this project is being constructed during the rainy season. The Contractor shall abide by the District Representative's determination to what constitutes inclement weather. No time extensions are to be granted for inclement weather. The District has allowed ample time in the schedule to complete including seven (7) days of inclement weather. The Contractor shall be prepared with all materials, including roofing, roof mounted utility replacement and sheet metal work to complete the project during the allotted time frame, including inclement weather. The Contractor shall protect its work and the existing facility, including all interior appurtenances, appliances, finishes, structures and the like.
- c. **Extension of Time.** Contractor shall not be charged liquidated damages because of any delays in completion of the work due to unforeseeable causes beyond the control and without the fault or negligence of Contractor (or its subcontractors or suppliers). Contractor shall within five (5) Days of identifying any such delay notify the District in writing of causes of delay. The District shall ascertain the facts and extent of delay and grant extension of time for completing The Work when, in its judgment, the facts justify such an extension. Time extensions to the Project shall be requested by the Contractor as they occur and without delay. No delay claims shall be permitted

unless the event or occurrence delays the completion of the Project beyond the Contract completion date.

- d. **No Damages for Reasonable Delay.** The District's liability to Contractor for delays for which the District is responsible shall be limited to only an extension of time unless such delays were unreasonable under the circumstances. In no case shall the District be liable for any costs which are borne by the Contractor in the regular course of business, including, but not limited to, home office overhead and other ongoing costs. Damages caused by unreasonable District delay, including delays caused by items that are the responsibility of the District pursuant to Government Code section 4215, shall be based on actual costs only, no proportions or formulas shall be used to calculate any delay damages.

#### **ARTICLE 43. COST BREAKDOWN AND PERIODIC ESTIMATES**

Contractor shall furnish on forms Approved by the District:

- a. Within ten (10) Days of award of the Contract a detailed estimate giving a complete breakdown of the Contract price;
- b. A monthly itemized estimate of Work done for the purpose of making progress payments. In order for the District to consider and evaluate each progress payment application, the Contractor shall submit a detailed measurement of Work performed and a progress estimate of the value thereof before the tenth (10th) Day of the following month.
- c. Contractor shall submit, with each of its payment requests, an adjusted list of actual quantities, verified by the District Representative, for unit price items listed, if any, in the Bid Form.
- d. Following the District's Acceptance of the Work, the Contractor shall submit to the District a written statement of the final quantities of unit price items for inclusion in the final payment request.
- e. The District shall have the right to adjust any estimate of quantity and to subsequently correct any error made in any estimate for payment.

Contractor shall certify under penalty of perjury, that all cost breakdowns and periodic estimates accurately reflect the Work on the Project.

#### **ARTICLE 44. MOBILIZATION**

- a. When a bid item is included in the Bid Form for mobilization, the costs of Work in advance of construction operations and not directly attributable to any specific bid item will be included in the progress estimate ("Initial Mobilization"). When no bid item is provided for "Initial Mobilization," payment for such costs will be deemed to be included in the other items of The Work.
- b. Payment for Initial Mobilization based on the lump sum provided in the Bid Form, which shall constitute full compensation for all such Work. No payment for Initial Mobilization will be made until all of the listed items have been completed and substantiated to the satisfaction of the District Representative. The scope of the Work included under Initial Mobilization shall include, but shall not be limited to, the following principal items:
  - 1. Obtaining and paying for all bonds, insurance, and permits.
  - 2. Moving on to the Project site of all Contractors' plant and equipment required for first month's operations.

3. Installing temporary construction power, wiring, and lighting facilities.
4. Establishing fire protection system.
5. Developing and installing a construction water supply.
6. Providing and maintaining the field office trailers for the Contractor and the District Representative, complete, with all specified furnishings and utility services including telephones, telephone appurtenances, computer and printer, and copying machine.
7. Providing on-site communication facilities for the Owner and the District Representative, including telephones, radio pagers, and fax machines.
8. Providing on-site sanitary facilities and potable water facilities as specified per Cal-OSHA and these Contract Documents.
9. Furnishing, installing, and maintaining all storage buildings or sheds required for temporary storage of products, equipment, or materials that have not yet been installed in the Work. All such storage shall meet manufacturer's specified storage requirements, and the specific provisions of the specifications, including temperature and humidity control, if recommended by the manufacturer, and for all security.
10. Arranging for and erection of Contractor's work and storage yard.
11. Posting all OSHA required notices and establishment of safety programs per Cal-OSHA.
12. Full-time presence of Contractor's superintendent at the job site as required herein.
13. Submittal of Construction Schedule as required by the Contract Documents.

#### **ARTICLE 45. PAYMENTS**

- a. The District shall make monthly progress payments following receipt of undisputed and properly submitted payment requests. Contractor shall be paid a sum equal to ninety-five percent (95%) of the value of Work performed up to the last day of the previous month, less the aggregate of previous payments.
- b. The Contractor shall, after the full completion of The Work, submit a final payment application. All prior progress estimates shall be subject to correction in the final estimate and payment.
- c. Unless otherwise required by law, the final payment of five percent (5%) of the value of the Work, if unencumbered, shall be paid no sooner than thirty (30) days after the date of recordation of the Notice of Completion.
- d. Acceptance by Contractor of the final payment shall constitute a waiver of all claims against the District arising from this Contract.
- e. Payments to the Contractor shall not be construed to be an acceptance of any defective work or improper materials, or to relieve the Contractor of its obligations under the Contract Documents.
- f. The Contractor shall submit with each payment request the Contractor's conditional waiver of lien for the entire amount covered by such payment request, as well as a valid unconditional waiver of lien from the Contractor and all subcontractors and materialmen for all work and materials included in any prior invoices. Waivers of lien shall be in the forms prescribed by California Civil Code Section 3262. Prior to final payment by the District, the Contractor shall submit a final

waiver of lien for the Contractor's work, together with releases of lien from any subcontractor or materialmen.

- g. If state funds are used for this project, prior to, and as a condition precedent for final payment, Contractor shall provide the Purchasing Department Bid Administrator with written documentation identifying the amount paid to Disabled Veteran Business Enterprises (DVBE), and shall submit the certification letter issued by the Office of Small Business Certification and Resources verifying the DVBE status of the subject subcontractors. This documentation is required regardless of whether DVBE subcontractors were utilized in the performance of the Contract.

#### **ARTICLE 46. PAYMENTS WITHHELD AND BACK CHARGES**

In addition to amounts which the District may retain under other provisions of the Contract Documents the District may withhold payments due to Contractor as may be necessary to cover:

- a. Stop Notice Claims.
- b. Defective work not remedied.
- c. Failure of Contractor to make proper payments to its subcontractors or suppliers.
- d. Completion of the Contract if there exists a reasonable doubt that the work can be completed for balance then unpaid.
- e. Damage to another contractor or third party.
- f. Amounts which may be due the District for claims against Contractor.
- g. Failure of Contractor to keep the record ("as-built") drawings up to date.
- h. Failure to provide updates on the construction schedule.
- i. Site clean-up.
- j. Failure of the Contractor to comply with requirements of the Contract Documents.
- k. Liquidated damages.
- l. Legally permitted penalties.

Upon completion of the Contract, the District will reduce the final Contract amount to reflect costs charged to the Contractor, back charges or payments withheld pursuant to the Contract Documents.

#### **ARTICLE 47. CHANGES AND EXTRA WORK**

- a. **Changes in Work.** District, without invalidating contract, and as provided by law, may order extra work or make changes by altering, adding to, or deducting from work, the contract sum being adjusted accordingly. All such work shall be subject to prevailing wage rates and shall be executed under the conditions of the original contract except that any claim for extension of time caused thereby shall be adjusted at the time of ordering such change.
- b. In giving instructions, Contractor agrees that architect shall have authority to make minor changes in work, not involving change in cost, and not inconsistent with the purposes or approvals of the project. Otherwise, except in an emergency endangering life or property, no extra work or



change shall be made unless pursuant to a written order from District, and no claim for an addition to the contract sum shall be valid unless so ordered.

c. **Unforeseen Conditions.** Contractor shall provide District with notice of unforeseen conditions immediately upon discovery of such conditions.

d. Value of any such extra work, change, or deduction shall be determined at the discretion of District in one or more of the following ways:

1. By acceptable lump sum proposal from Contractor with itemization as required by District.

2. By unit prices contained in Contractor's original bid and incorporated in contract documents or fixed by subsequent agreement between District and Contractor.

3. By the cost of material and labor and a percentage for overhead and profit. The following form shall be followed as applicable for additions and deductions to contract:

	EXTRA/ (CREDIT)
(a) Material (attach itemized quantity and unit cost plus sales tax)	_____
(b) Labor (attach itemized hours and base rates from identified prevailing wage schedules)	_____
(c) General Liability and <b>Builder's Risk</b> Insurance, Workers' Compensation Insurance, Social Security, Pension and Unemployment Taxes at actual and verified cost. <b><u>(Do not include this amount if OCIP is in place.)</u></b>	_____
(d) Subtotal	_____
(e) Subcontractor's overhead and profit not to exceed <b>10%</b> of Item (d)	_____
(f) Subtotal	_____
(g) General Contractor's Overhead and Profit, including extended home office overhead, not to exceed <b>10%</b> of Item (d)	_____
(h) Subtotal	_____
(i) Bond Premium, not to exceed 1% of Item (h)	_____
(j) Total	=====

e. Regardless of whether the cost of the change order is determined pursuant to 1, 2, or 3, above, in addition to the cost of the material and labor for deleted items, Contractor shall credit back an appropriate and reasonable overhead mark-up and the bonding mark up for deleted items. In addition, in no circumstance shall contractor be entitled to subcontractor's overhead costs or mark-up where work is performed by Contractor's own forces.

- f. Should Contractor claim that any instruction, request, drawing, specification, action, condition, omission, default, or other situation (i) obligates the District to pay additional compensation to the Contractor; or (ii) obligates the District to grant an extension of time for the completion of the contract; or (iii) constitutes a waiver of any provision in the contract, CONTRACTOR SHALL NOTIFY THE DISTRICT, IN WRITING, OF SUCH CLAIM AS SOON AS POSSIBLE, BUT IN NO EVENT WITHIN MORE THAN FIVE (5) WORKING DAYS FROM THE DATE CONTRACTOR HAS ACTUAL OR CONSTRUCTIVE NOTICE OF THE CLAIM. CONTRACTOR SHALL ALSO PROVIDE DISTRICT WITH SUFFICIENT WRITTEN DOCUMENTATION SUPPORTING THE FACTUAL BASIS OF THE CLAIM. Contractor shall be required to certify under penalty of perjury the validity and accuracy of any claims submitted. The Contractor's failure to notify the District within such five (5) working day period shall be deemed a waiver and relinquishment of the claim against the District. If such notice be given within the specified time, the procedure for its consideration shall be as stated above in this article. In the event of a dispute as to any work to be performed, the District has the right to direct the Contractor to continue to proceed with work as directed, and the Contractor is obligated to continue performance of work and advise District of its concerns in writing in accordance with the provisions of this subsection f. The procedure for consideration shall be as stated above in this article.
- g. In the event a mutual agreement cannot be reached on the cost of a change order, Contractor and District agree that an industry estimating guide, such as an estimating guide published by Means, shall be used to determine the cost of a disputed change order item.
- h. All costs associated with the change are to be included in the change order proposal to the District. Costs may be in terms of time, money or both.

#### **ARTICLE 48. OCCUPANCY**

The District reserves the right to occupy or utilize any portion of the facility and to work at any time before completion, and such occupancy or use shall not constitute Acceptance of any part of Work covered by this Contract. This use shall not relieve the Contractor of its responsibilities under the Contract.

#### **ARTICLE 49. INDEMNIFICATION**

Contractor shall defend (with counsel of District's choosing), indemnify and hold the District, its officials, officers, agents, employees, and representatives free and harmless from any and all claims, demands, causes of action, costs, expenses, liabilities, losses, damages or injuries, in law or equity, regardless of whether the allegations are false, fraudulent, or groundless, to property or persons, including wrongful death, to the extent arising out of or incident to any acts, omissions or willful misconduct of Contractor, its officials, officers, employees, agents, consultants and contractors arising out of or in connection with the performance of the Work or this Contract, including claims made by subcontractors for nonpayment, including without limitation the payment of all consequential damages and attorney's fees and other related costs and expenses. Contractor shall defend, at Contractor's own cost, expense and risk, with counsel of District's choosing, any and all such aforesaid suits, actions or other legal proceedings of every kind that may be brought or instituted against District, its officials, officers, agents, employees and representatives. To the extent of its liability, Contractor shall pay and satisfy any judgment, award or decree that may be rendered against District, its officials, officers, employees, agents, employees and representatives, in any such suit, action or other legal proceeding. Contractor shall reimburse District, its officials, officers, agents, employees and representatives for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided. The only limitations on this provision shall be those imposed by Civil Code Section 2782.

## ARTICLE 50. RECORD (“AS BUILT”) DRAWINGS

- a. Contractor shall prepare and maintain a complete set of record drawings (herein referred to as “as-builts”) and shall require each trade to prepare its own as-builts. The as-builts must show the entire site for each major trade, including but not limited to water, sewer, electrical, data, telephone, cable, fire alarm, gas and plumbing. Contractor shall mark the as-builts to show the actual installation where the installation varies from the Work as originally shown. Contractor shall mark whichever drawings are most capable of showing conditions fully and where shop drawings are used, Contractor must record a cross-reference at the corresponding location on the contract drawings. Contractor shall give particular attention to concealed elements that would be difficult to measure and record at a later date. Contractor shall use colors to distinguish variations in separate categories of The Work.
- b. Contractor shall note related change order numbers where applicable. Contractor shall organize as-builts into manageable sets, bound with durable paper cover sheets and shall print suitable title, dates and other identification on the cover of each set. Contractor to also provide an electronic version of the as-builts. The suitability of the as-builts will be determined by the District Representative.

## ARTICLE 51. RESOLUTION OF CONSTRUCTION CLAIMS

- a. In accordance with Public Contract Code Sections 20104 *et seq.* and other applicable law, public works claims of \$375,000 or less which arise between the Contractor and the District shall be resolved under the following the statutory procedure unless the District has elected to resolve the dispute pursuant to Public Contract Code Section 10240 *et seq.*
- b. **All Claims:** All claims shall be submitted in writing and accompanied by substantiating documentation. Claims must be filed on or before the date of final payment unless other notice requirements are provided in the contract. "Claim" means a separate demand by the claimant for (1) a time extension, (2) payment of money or damages arising from work done by or on behalf of the claimant and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled, or (3) an amount the payment of which is disputed by the District.
- c. **Claims Under \$50,000.** The District shall respond in writing to the claim within 45 days of receipt of the claim, or, the District may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses or claims the District may have. If additional information is needed thereafter, it shall be provided upon mutual agreement of the District and the claimant. The District's written response shall be submitted 15 days after receiving the additional documentation, or within the same period of time taken by the claimant to produce the additional information, whichever is greater.
- d. **Claims over \$50,000 but less than or equal to \$375,000.** The District shall respond in writing within 60 days of receipt, or, may request in writing within 30 days of receipt of the claim, any additional documents supporting the claim or relating to defenses or claims the District may have against the claimant. If additional information is needed thereafter, it shall be provided pursuant to mutual agreement between the District and the claimant. The District's response shall be submitted within 30 days after receipt of the further documents, or within the same period of time taken by the claimant to produce the additional information or documents, whichever is greater. The Contractor shall make these records and documents available at all reasonable times, without any direct charge.
- e. The Contractor will submit the claim justification in the following format:
  - 1) Summary of claim merit and price, and Contract clause pursuant to which the claim is made.

- 2) List of documents relating to claim
    - (a) Specifications
    - (b) Drawings
    - (c) Clarifications (Requests for Information)
    - (d) Schedules
    - (e) Other
  - 3) Chronology of events and correspondence
  - 4) Analysis of claim merit
  - 5) Analysis of claim cost
  - 6) Analysis of time impact analysis in CPM format
  - 7) Cover letter and certification of validity of the claim
- f. If the claimant disputes the District's response, or if the District fails to respond within the statutory time period(s), the claimant may so notify the District within 15 days of the receipt of the response or the failure to respond, and demand an informal conference to meet and confer for settlement. Upon such demand, the District shall schedule a meet and confer conference within 30 Days.
- g. If following the meet and confer conference, the claim or any portion thereof remains in dispute, the claimant may file a claim pursuant to Government Code 900 et seq. and Government Code 910 et seq. For purposes of those provisions, the time within which a claim must be filed shall be tolled from the time the claimant submits the written claim until the time the claim is denied, including any time utilized for the meet and confer conference.
- h. Submission of a claim, properly certified, with all required supporting documentation, and written rejection or denial of all or part of the claim by District, is a condition precedent to any action, proceeding, litigation, suit, general conditions claim, or demand for arbitration by Contractor.

## **ARTICLE 52. DISTRICT'S RIGHT TO TERMINATE CONTRACT**

- a. **Termination for Cause:** The District may, without prejudice to any other right or remedy, serve written notice upon Contractor of its intention to terminate this Contract if the Contractor: (i) refuses or fails to prosecute The Work or any part thereof with such diligence as will ensure its completion within the time required; (ii) fails to complete The Work within the required time; (iii) should file a bankruptcy petition or be adjudged a bankrupt; (iv) should make a general assignment for the benefit of its creditors; (v) should have a receiver appointed; (vi) should persistently or repeatedly refuse or fail to supply enough properly skilled workers or proper materials to complete the work; (vii) should fail to make prompt payment to subcontractors or for material or labor; (viii) persistently disregard laws, ordinances, other requirements or instructions of the District; or (ix) should violate any of the provisions of the Contract Documents.

The notice of intent to terminate shall contain the reasons for such intention to terminate. Unless within ten (10) Days after the service of such notice, such condition shall cease or satisfactory arrangements (acceptable to the District) for the required correction are made, this Contract shall be terminated. In such case, Contractor shall not be entitled to receive any further payment until

the Project has been finished. The District may take over and complete The Work by any method it may deem appropriate. Contractor and its surety shall be liable to the District for any excess costs or other damages incurred by the District to complete the Project. If the District takes over The Work, the District may, without liability for so doing, take possession of and utilize in completing The Work such materials, appliances, plant, and other property belonging to the Contractor as may be on the Project site.

- b. **Termination For Convenience:** The District may terminate performance of The Work in whole or, in part, if the District determines that a termination is in the District's interest.

The Contractor shall terminate all or any part of The Work upon delivery to the Contractor of a Notice of Termination specifying that the termination is for the convenience of the District, the extent of termination, and the effective date of such termination.

After receipt of Notice of Termination, and except as directed by the District, the Contractor shall, regardless of any delay in determining or adjusting any amounts due under this Termination for Convenience clause, immediately proceed with the following obligations:

- 1) Stop Work as specified in the Notice.
- 2) Complete any Work specified in the Notice of Termination in a least cost/shortest time manner while still maintaining the quality called for under the Contract Documents.
- 3) Leave the property upon which the Contractor was working and upon which the facility (or facilities) forming the basis of the Contract Documents is situated in a safe and sanitary manner such that it does not pose any threat to the public health or safety.
- 4) Terminate all subcontracts to the extent that they relate to the portions of The Work terminated.
- 5) Place no further subcontracts or orders, except as necessary to complete the remaining portion of The Work.
- 6) Submit to the District, within ten (10) Days from the effective date of the Notice of Termination, all of the documentation called for by the Contract Documents to substantiate all costs incurred by the Contractor for labor, materials and equipment through the Effective Date of the Notice of Termination. Any documentation substantiating costs incurred by the Contractor solely as a result of the District's exercise of its right to terminate this Contract pursuant to this clause, which costs the Contractor is authorized under the Contract Documents to incur, shall: (i) be submitted to and received by the District no later than thirty (30) Days after the Effective Date of the Notice of Termination; (ii) describe the costs incurred with particularity; and (iii) be conspicuously identified as "Termination Costs Occasioned by the District's Termination for Convenience."
- 7) These provisions are in addition to and not in limitation of any other rights or remedies available to the District.

- c. Notwithstanding any other provision of this Article, when immediate action is necessary to protect life and safety or to reduce significant exposure or liability, the District may immediately order Contractor to cease Work on the Project until such safety or liability issues are addressed to the satisfaction of the District or the Contract is terminated.

## **ARTICLE 53. WARRANTY AND GUARANTEE**

- a. Contractor warrants that all materials and equipment furnished under this Contract shall be new unless otherwise specified in the Contract Documents; and that all Work conforms to the Contract Document requirements and is free of any defect whether performed by the Contractor or any subcontractor or supplier.
- b. Unless otherwise stated, all warranty periods shall begin upon the filing of the Notice of Completion. Unless otherwise stated, the warranty period shall be for one year.
- c. The Contractor shall remedy at its expense any damage to District-owned or controlled real or personal property.
- d. Contractor shall furnish the District with all warranty and guarantee documents prior to final Acceptance of the Project by the District.
- e. The District shall notify the Contractor, in writing, within a reasonable time after the discovery of any failure, defect, or damage. The Contractor shall within ten (10) Days after being notified commence and perform with due diligence all necessary Work. If the Contractor fails to promptly remedy any defect, or damage; the county shall have the right to replace, repair, or otherwise remedy the defect, or damage at the Contractor's expense.
- f. In the event of any emergency constituting an immediate hazard to health, safety, property, or licensees, when caused by Work of the Contractor not in accordance with the Contract requirements, the District may undertake at Contractor's expense, and without prior notice, all Work necessary to correct such condition.
- g. With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for Work performed and Materials furnished under this Contract, the Contractor shall:
  - 1) Obtain for District all warranties that would be given in normal commercial practice;
  - 2) Require all warranties to be executed, in writing, for the benefit of the District; and
  - 3) Enforce all warranties for the benefit of the District, unless otherwise directed in writing by the District.

This Article shall not limit the District's rights under this Contract or with respect to latent defects, gross mistakes, or fraud. The District specifically reserves all rights related to defective work, including but not limited to the defect claims pursuant to California Code of Civil Procedure Section 337.15.

## **ARTICLE 54. DOCUMENT RETENTION & EXAMINATION**

- a. In accordance with Government Code Section 8546.7, records of both the District and the Contractor shall be subject to examination and audit by the State Auditor General for a period of three (3) years after final payment.
- b. Contractor shall make available to the District any of the Contractor's other documents related to the Project immediately upon request of the District.
- c. In addition to the State Auditor rights above, the District shall have the right to examine and audit all books, estimates, records, contracts, documents, bid documents, subcontracts, and other data of the Contractor (including computations and projections) related to negotiating, pricing, or performing the modification in order to evaluate the accuracy and completeness of the cost or pricing data at no additional cost to the District, for a period of four (4) years after final payment.

## **ARTICLE 55. SOILS INVESTIGATIONS**

When a soils investigation report for the Project site is available, such report shall not be a part of the Contract Documents. Any information obtained from such report as to subsurface soil condition, or to elevations of existing grades or elevations of underlying rock, is approximate only and is not guaranteed. Contractor acknowledges that any soils investigation report (including any borings) was prepared for purposes of design only and Contractor is required to examine the site before submitting its bid and must make whatever tests it deems appropriate to determine the underground condition of the soil.

## **ARTICLE 56. ASBESTOS FREE MATERIALS AND CERTIFICATION**

Contractor shall, for all contracts submit an "Asbestos-Free Materials Certification." Contractor, further, is aware of the following:

- a. Should asbestos containing materials be installed by the Contractor in violation of this certification, or if removal of asbestos containing materials is part of the Project, decontaminations and removals will be performed in accordance with the requirements of all applicable laws and will meet the following criteria:
  1. Decontamination and removal of work found to contain asbestos or work installed with asbestos containing equipment shall be done only under the supervision of a qualified asbestos consultant, knowledgeable in the field of asbestos abatement and accredited by the Environmental Protection Agency (EPA). All work shall be done in accordance with work plan and specifications provided by the District's Asbestos Consultant.
  2. The asbestos removal contractor shall be an EPA accredited contractor qualified in the removal of asbestos.
  3. The asbestos consultant shall be chosen and approved by the District.
  4. The work will not be accepted until asbestos contamination is reduced to levels deemed acceptable by the asbestos consultant.
- b. If removal of asbestos containing materials is part of the Project, the cost of all asbestos removal, including, but not necessarily limited to the cost of the asbestos removal contractor, the cost of the asbestos consultant, analytical and laboratory fees, time delays and additional costs that may be incurred by the District shall be borne entirely by the Contractor.
- c. Hold Harmless: Interface of work for the Project with work containing asbestos shall be executed by the Contractor at his/her risk and at his/her discretion with full knowledge of the currently accepted standards, hazards, risks and liabilities associated with asbestos work and asbestos containing products. By execution of the Contract, the Contractor acknowledges the above and agrees to the fullest extent permitted by law to hold harmless the District, its Governing Board, employees, agents, representatives, including its architect and assigns, for all asbestos liability which may be associated with this work. The Contractor further agrees to instruct his/her employees with respect to the above-mentioned standards, hazards, risk and liabilities.

## **ARTICLE 57. SEPARATE CONTRACTS**

- a. The District reserves the right to let other contracts in connection with this Work or on the Project site. Contractor shall permit other contractors reasonable access and storage of their materials and execution of their work and shall properly connect and coordinate its Work with theirs.

- b. To ensure proper execution of its subsequent Work, Contractor shall immediately inspect work already in place and shall at once report to the District Representative any problems with the work in place or discrepancies with the Contract Documents.
- c. Contractor shall ascertain to its own satisfaction the scope of the Project and nature of any other contracts that have been or may be awarded by the District in prosecution of the Project to the end that Contractor may perform this Contract in the light of such other contracts, if any. Nothing herein contained shall be interpreted as granting to Contractor exclusive occupancy at site of the Project. Contractor shall not cause any unnecessary hindrance or delay to any other contractor working on the Project. If simultaneous execution of any contract for the Project is likely to cause interference with performance of some other contract or contracts, the District Representative shall decide which Contractor shall cease Work temporarily and which contractor shall continue or whether work can be coordinated so that contractors may proceed simultaneously. The District shall not be responsible for any damages suffered or for extra costs incurred by Contractor resulting directly or indirectly from award, performance, or attempted performance of any other contract or contracts on the Project site.

#### **ARTICLE 58. NOTICE AND SERVICE THEREOF**

All notices shall be in writing and either served by personal delivery or mailed to the other party as designated in the Bid Forms. Written notice to the Contractor shall be addressed to Contractor's principal place of business unless Contractor designates another address in writing for service of notice. Notice to District shall be addressed to the District as designated in the Notice Inviting Informal Bids unless District designates another address in writing for service of notice. Notice shall be effective upon receipt or five (5) Days after being sent by first class mail, whichever is earlier. Notice given by facsimile shall not be effective unless acknowledged in writing by the receiving party.

#### **ARTICLE 59. NOTICE OF THIRD PARTY CLAIMS**

Pursuant to Public Contract Code Section 9201, the District shall provide Contractor with timely notification of the receipt of any third-party claim relating to the Contract.

#### **ARTICLE 60. STATE LICENSE BOARD NOTICE.**

Contractors are required by law to be licensed and regulated by the Contractors' State License Board which has jurisdiction to investigate complaints against contractors if a complaint regarding a patent act or omission is filed within four (4) years of the date of the alleged violation. A complaint regarding a latent act or omission pertaining to structural defects must be filed within ten (10) years of the date of the alleged violation. Any questions concerning a contractor may be referred to the Registrar, Contractors' State License Board, P.O. Box 26000, Sacramento, California 95826.

#### **ARTICLE 61. INTEGRATION**

- a. Oral Modifications Ineffective. No oral order, objection, direction, claim or notice by any party or person shall affect or modify any of the terms or obligations contained in the Contract Documents.
- b. Contract Documents Represent Entire Contract. The Contract Documents represent the entire agreement of the District and Contractor.

#### **ARTICLE 62. ASSIGNMENT**

Contractor shall not assign, transfer, convey, sublet, or otherwise dispose of this Contract or any part thereof including any claims, without prior written consent of the District. Any assignment without the written consent of the District shall be void. Any assignment of money due or to become due under this Contract shall be subject to a prior lien for services rendered or Material supplied for performance of Work



called for under the Contract Documents in favor of all persons, firms, or corporations rendering such services or supplying such Materials to the extent that claims are filed pursuant to the Civil Code, the Code of Civil Procedure or the Government Code.

#### **ARTICLE 63. CHANGE IN NAME & NATURE OF CONTRACTOR'S LEGAL ENTITY**

Should a change be contemplated in the name or nature of the Contractor's legal entity, the Contractor shall first notify the District in order that proper steps may be taken to have the change reflected on the Contract.

#### **ARTICLE 64. ASSIGNMENT OF ANTITRUST ACTIONS**

Pursuant to Section 7103.5 of the Public Contract Code, in entering into a public works contract or subcontract to supply goods, services, or materials pursuant to a public works contract, Contractor or subcontractor offers and agrees to assign to the District 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 the purchase of goods, services, or materials pursuant to this Contract or any subcontract. This assignment shall be made and become effective at the time the District makes final payment to the Contractor, without further acknowledgment by the parties.

#### **ARTICLE 65. PROHIBITED INTERESTS**

No District official or representative who is authorized in such capacity and on behalf of the District to negotiate, supervise, make, accept, or approve, or to take part in negotiating, supervising, making, accepting or approving any engineering, inspection, construction or material supply contract or any subcontract in connection with construction of the project, shall be or become directly or indirectly interested financially in the Contract.

#### **ARTICLE 66. LAWS AND REGULATIONS**

- a. Contractor shall give all notices and comply with all laws, ordinances, rules and regulations bearing on conduct of work as indicated and specified. If Contractor observes that drawings and specifications are at variance therewith, he shall promptly notify the District Representative in writing and any necessary changes shall be adjusted as provided for in this Contract for changes in work. If Contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the District Representative, he shall bear all costs arising therefrom.
- b. Contractor shall be responsible for familiarity with the Americans with Disabilities Act ("ADA") (42 U.S.C. § 12101 et seq.). The Work will be performed in compliance with ADA regulations.

#### **ARTICLE 67. PATENT FEES OR ROYALTIES.**

The Contractor shall include in its bid amount the patent fees or royalties on any patented article or process furnished or used in the Work. Contractor shall assume all liability and responsibility arising from the use of any patented, or allegedly patented, materials, equipment, devices or processes used in or incorporated with The Work, and shall defend, indemnify and hold harmless the District, its officials, officers, agents, employees and representatives from and against any and all liabilities, demands, claims, damages, losses, costs and expenses, of whatsoever kind or nature, arising from such use.

**ARTICLE 68. OWNERSHIP OF DRAWING(S)**

All Contract Documents furnished by the District are District property. They are not to be used by Contractor or any subcontractor on other work nor shall Contractor claim any right to such documents. With exception of one complete set of Contract Documents, all documents shall be returned to the District on request at completion of The Work.

**ARTICLE 69. NOTICE OF TAXABLE POSSESSORY INTEREST**

In accordance with Revenue and Taxation Code Section 107.6, the Contract Documents may create a possessory interest subject to personal property taxation for which Contractor will be responsible.

**ARTICLE 70. COMPLIANCE WITH DTSC GUIDELINES—IMPORTED SOILS**

If the Project requires the use of imported soils, the Contractor shall be responsible to use and shall certify that the imported material it uses is free of any hazardous and/or toxic substance or material of any nature or type as defined in accordance with California Law and the California Health and Safety Code. The District reserves the right to reject any imported material that has come from agricultural or commercial land uses. Contractor must notify the District of the source of material and comply with the San Diego Regional Water Quality Control Board Resolution 95-63 and when applicable, with the guidelines of the Department of Toxic Substances Control (DTSC).

**ARTICLE 71. DISTRICT'S INSPECTOR**

- a. One or more inspectors employed by District in accordance with requirements of title 19, 21 and/or 24 of the California Code of Regulations may be assigned to the work. His duties are specifically defined in the California Code of Regulations.
- b. Inspector SHALL have access to all plant operations involving work under this contract and shall be provided reasonable advance notice of the time and place of operations which the inspector desires to observe. Inspector shall be provided with all necessary samples of materials and work for testing purposes. All work shall be under the observation of said inspector. He shall have free access to any or all parts of work at any time. Contractor shall furnish inspector reasonable facilities for obtaining such information as may be necessary to keep him fully informed respecting progress and manner of work and character of materials. Inspection of work shall not relieve contractor from any obligation to fulfill this contract. Inspector, after consultation with the Owner and architect, together, shall have authority to stop work whenever the provisions of the contract documents are not being complied with and contractor shall instruct his employees accordingly.

**END OF GENERAL CONDITIONS**



# SPECIAL CONDITIONS

BID #2022-075-001

## ASPHALT REPLACEMENT AND CRACK FILL AND SLURRY SEAL AND LINE STRIPING AT CARLTON OAKS AND HILL CREEK SCHOOL

**A. Time of Performance.** The work shall be commenced on the date stated in the District's notice to the Contractor to proceed, and shall be completed within dates stated on Agreement (See Article 2 of Agreement), **and in accordance with the scheduled dates and phases as specified below.** District and Contractor each hereby stipulate that the stated performance period is accepted as reasonable and that no other performance period shall be acceptable unless accepted in writing (See Article 2 of Agreement and Article 6 of General Conditions.)

Work under this contract shall be scheduled and coordinated in compliance with the following:

1. The contract is scheduled to be awarded on Thursday, April 28, 2022.. The anticipated commencement of work shall be June 9, 2022.
2. All submittals shall be prepared and submitted no later than 12:00 p.m. on April 25, 2022.
3. The anticipated completion of work shall be no later than Friday, August 5, 2022.
4. If the site will not be available after the Notice to Proceed date, Contractor shall utilize this time period for administrative tasks and initial mobilization scheduling and shall coordinate such activities with District.
5. 5. Soils/Geotechnical reports are available for information only on the website per link:  
[https://www.santeesd.net/departement/business\\_services/modernization/construction\\_information/geotechnical\\_evaluations\\_1](https://www.santeesd.net/departement/business_services/modernization/construction_information/geotechnical_evaluations_1)

### 6. Site Description and Observations

Our evaluation was focused on the AC paved hardcourt play areas designated the East, South, and West Hardcourts on the school campus (Figure 2). The East Hardcourt (Photographs 1 through 4) is relatively flat with elevations ranging between approximately 379 and 383 feet above mean sea level (MSL) and includes basketball courts, tetherball, and foursquare areas. The South Hardcourt (Photographs 5 and 6) is relatively flat with elevations ranging between approximately 381 and 383 feet above MSL and includes a bike rack enclosure and electrical equipment. The West Hardcourt (Photographs 7 and 8) is relatively flat with an elevation of approximately 386 feet above mean sea level (MSL) and includes tetherball and foursquare areas.

Based on our discussions with you and the observations during our January 13 and 17, 2022 site visits, the existing AC hardcourt pavements have experienced extensive cracking and separation at several locations. Many of those cracks had been previously sealed or repaired and the cracks continue to propagate through the patching.

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## 7. Field Exploration and Subsurface Conditions

Our field exploration was conducted on January 17, 2022 and consisted of manually excavating, logging, and sampling of four exploratory borings (B-1 through B-4) within the existing AC paved hardcourt areas. Borings B-1 and B-2 were performed in the East Hardcourt, boring B-3 was performed in the South Hardcourt, and boring B-4 was performed in the West Hardcourt. Prior to excavating, the locations were cleared of underground utilities by participating members of USA and the existing AC was cored using an 8-inch diameter core barrel. The exploratory borings were excavated to depths up to approximately 4 feet. Bulk soil samples were obtained from the borings. The samples were then transported to our in-house geotechnical laboratory for testing.

The approximate locations of the exploratory borings are shown on Figure 2. Table 1 summarizes the encountered hardcourt pavement sections and subgrade materials encountered during our field exploration.

<b>Table 1 – Summary of Encountered Pavement Sections and Subgrade Soils</b>				
<b>Boring Location</b>	<b>Boring Depth (feet)</b>	<b>Encountered Asphalt Concrete (AC) Thickness</b>	<b>Encountered Subbase Thickness</b>	<b>Encountered Subgrade Soils</b>
B-1	3	4½ inches (1½-inch top layer over 3-inch bottom layer with a paving fabric in between)	18 inches	Clayey SAND
B-2	3½	3½ inches (1½-inch top layer over 2-inch bottom layer with a paving fabric in between)	20 inches	Sandy Lean CLAY
B-3	2	4½ inches (1-inch top layer over 3½-inch bottom layer with a paving fabric in between)	7 inches	Silty SAND
B-4	4	5½ inches (3-inch top layer over 2½-inch bottom layer)	5 inches	Sandy Lean CLAY

The subbase materials encountered beneath the AC pavements generally consisted of various shades of brown, moist, medium dense, poorly graded sand with silt. Scattered gravel and cobbles were encountered within the subbase materials.

The underlying subgrade soils that were encountered in our borings generally consisted of brown to reddish brown, moist, medium dense, clayey sand, and very stiff, sandy lean clay. Scattered to numerous amounts of gravel and cobbles were encountered within the subgrade soils.

Groundwater was not encountered during our evaluation. However, seepage was encountered in boring B-1 at approximately 2 feet near the contact between the subbase materials and underlying subgrade soils. Perched water may be encountered due to the geologic contacts between the subbase and subgrade materials, as well as the presence of trench backfill and

bedding materials for underground utilities, as these materials tend to act as a conduit for perched water conditions. Fluctuations in the groundwater level and perched conditions may occur due to variations in ground surface topography, subsurface geologic conditions and structure, rainfall, irrigation, and other factors.

## 8. Laboratory Testing

Laboratory testing of the subgrade soils encountered beneath the existing AC hardcourt included an evaluation of the in-situ moisture content in general accordance with ASTM International (ASTM) D 2216 and its R-value in general accordance with California Test (CT) 301. The laboratory tests were performed at our in-house geotechnical laboratory. The results of our testing are summarized in Table 2 and in the preceding section.

Boring Location	Sample Depth (feet)	Encountered Subgrade Material	In-Situ Moisture Content (%)	R-Value
B-1	2.0-3.0	Clayey SAND	23.5	28
B-2	2.0-3.0	Sandy Lean CLAY	15.5	15
B-4	0.8-2.0	Sandy Lean CLAY	14.9	-
B-4	2.0-4.0	Sandy Lean CLAY	15.0	14

## 9. Findings and Conclusions

As noted previously, purposes of our services were to measure the existing AC sections, evaluate the subsurface conditions beneath the existing hardcourt play areas, and provide our recommendations for the reconstruction of the hardcourt AC surfacing. Our evaluation has included a review of geotechnical-related background materials, a site reconnaissance, a subsurface exploration program consisting of four exploratory borings, and geotechnical laboratory testing.

Based on our evaluation, we provide the following conclusions for the project:

- The East, South, and West Hardcourts exhibit extensive AC cracking ranging from transverse, longitudinal, joint, alligator, and random cracks
  - The encountered pavement sections in the hardcourt areas consisted of approximately 3½ to 5½ inches of AC underlain by approximately 5 to 20 inches of subbase materials. Additionally, a paving fabric was encountered between the AC layers in borings B-1, B-2, and B-3.
  - The subgrade soils encountered generally consisted of clayey sand and sandy lean clay to the total depths explored
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- Onsite excavations will generate oversized materials that are not suitable for reuse in the engineered subgrade soils. The contractor should anticipate and be prepared perform additional processing of onsite soils that may include rock-picking and/or screening of the material prior to reuse.
- Seepage was encountered in boring B-1 at a depth of approximately 2 feet. Perched water conditions may be encountered and the contractor should anticipate these conditions. Additionally, the in-situ subgrade soils indicated in-situ moisture contents between 14.9 and 23.5 percent, which is considered to be above the materials optimum moisture content. The contractor should anticipate performing additional aeration and drying of these materials prior to recompaction.

## **10. Recommendations**

Due to the extensive cracks within the AC pavement, the variable moisture conditions and types of the subgrade soils beneath the existing AC pavements, along with the presence of paving fabrics and crack sealants, we recommend that the AC hardcourt pavements be reconstructed. The proposed reconstruction should be performed in accordance with the recommendations provided herein and the requirements of the applicable governing agencies. Ninyo & Moore should be contacted for questions regarding the recommendations or guidelines presented herein.

### **a. Pre-Construction Conference**

We recommend that a pre-construction meeting be held prior to commencement of grading. The owner or their representative, the agency representatives, Ninyo & Moore, and the contractor should attend to discuss the plans, the project, and the proposed construction schedule.

### **b. Excavation Characteristics**

The results of our field exploration program indicate that the project site is underlain by AC pavements, subbase consisting of poorly sand with silt, and subgrade soils consisting of clayey sand and sandy lean clay. Excavation of the onsite materials should be feasible with heavy-duty excavation equipment in good working condition. However, due to the presence of gravel and cobbles in the subbase and subgrade soils, the contractor may encounter difficult conditions when performing excavations.

Additionally, onsite excavations are anticipated to generate oversize material and additional processing and handling of these materials, including screening and/or rock picking, should be anticipated. Oversized materials generated from the earthwork operations should be removed from the project site and disposed of at a legal dumpsite.

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### c. Pavement Reconstruction – East Hardcourt

Based on discussions with the client, we understand that the hardcourt pavements are to be designed and constructed to support pedestrian and vehicular traffic. Specifically, the vehicular traffic is anticipated to include maintenance vehicles, delivery trucks, and the occasional piece of construction equipment. Our laboratory testing of near surface soil samples from borings B-1 and B-2 in the East Hardcourt indicated R-values of 28 and 15. Therefore, we have used a Traffic Index (TI) of 6 and an R-value of 15 for the design and construction of the new East Hardcourt pavement. Additionally, these pavement recommendations have been developed to accommodate for potential wet subgrade soil conditions. The recommended preliminary pavement section for the new East Hardcourt pavement is presented in Table 3 below:

Traffic Index Pavement Usage	Design R-Value	Asphalt Concrete (inches)	Aggregate Base (inches)
6 (Playground/Hard Courts)	15	4	18 (with geogrid reinforcing)

Aggregate base materials should conform to Caltrans Class 2 aggregate base materials as defined in Section 26 of the Caltrans Standard Specifications (2021b), Greenbook (2018) crushed aggregate base, or Greenbook (2018) crushed miscellaneous base. Aggregate base materials should be moisture conditioned to at or slightly above optimum moisture content and should be placed over prepared subgrade materials. We recommend that the aggregate base materials be compacted to a relative compaction of 95 percent of the modified Proctor density in accordance with ASTM D 1557.

The AC materials should consist of a 3/8-inch gradation in accordance with Class D materials as presented in Section 206-6.5.4 of the Greenbook (2018) with a Performance Grade (PG) 70-10 polymer modified (PM) binder. The AC materials should be placed over the aggregate base materials and be compacted to 95 percent relative compaction as compared to the material's Hveem density.

As part of the reconstruction, we recommend that continuous headers be utilized along the portions of the play area perimeter which are adjacent to unpaved surfaces. Also, the AC surface should be placed in such a manner to provide positive drainage so that surface water is not permitted to pond on the surface and is diverted off of and away from the AC materials.

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Additionally, concrete and AC materials generated from the demolition of the existing improvements may be crushed or pulverized and reused as aggregate base materials, provided they are free from painted surfaces and rebar. These materials are considered suitable, provided they are processed and meet the criteria of Caltrans Class 2 aggregate base materials or Greenbook crushed miscellaneous base.

#### **d. Site Preparation – East Hardcourt**

For areas to receive new pavements, site preparation activities should begin by clearing and removing existing AC, deleterious materials, including organics (such as roots), and oversize materials. As noted previously, our exploratory borings encountered a layer of paving fabric within the encountered AC surfacing. Underground utilities within the proposed limits of the replacement should be located prior to the commencement of earthwork operations.

#### **e. Subgrade Preparation and Aggregate Base Placement– East Hardcourt**

For the East Hardcourt, subsequent to cutting to finished subgrade elevation, the resulting removal surface should then be smoothed and dressed with a low ground pressure bulldozer or excavator to fill in ruts and level the surface, as necessary. A layer of geogrid (Tensar TX 130S or equivalent) should be placed on the proof rolled subgrade soils prior to placement of the aggregate base materials. The geogrid should overlap 3 feet, be placed in a taut condition, and extend laterally a distance of 2 feet beyond the horizontal limits of the new AC pavement sections, where feasible. Once the geogrid has been placed, the aggregate base materials should be placed and compacted in lifts. Aggregate base materials should consist of Caltrans Class 2 aggregate base, Greenbook crushed aggregate base, Greenbook crushed miscellaneous base, or Greenbook (2018) processed miscellaneous base. Aggregate base materials should be moisture conditioned to at or slightly above optimum moisture content and should be placed over prepared subgrade materials. We recommend that the aggregate base materials be compacted to a relative compaction of 95 percent of the modified Proctor density in accordance with ASTM D 1557.

After the subgrade preparation and aggregate base placement has been performed in accordance with the recommendations provided above for the East Hardcourt, the new AC pavement section should be constructed in accordance with the previous recommendations of this report.

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## f. Pavement Reconstruction – South Hardcourt

As noted earlier, we understand that the hardcourt pavements are to be designed and constructed to support pedestrian and vehicular traffic. Our laboratory testing of near surface soil samples at the project site indicated R-values of 14, 15, and 28. Therefore, we have used a TI of 6 and an R-value of 14 for the design and construction of the new South Hardcourt pavement. The recommended preliminary pavement section for the new South Hardcourt pavement is presented in Table 4 below:

Traffic Index Pavement Usage	Design R-Value	Asphalt Concrete (inches)	Aggregate Base (inches)
6 (Playground/Hard Courts)	14	3½	10½

Aggregate base materials should conform to Caltrans Class 2 aggregate base materials as defined in Section 26 of the Caltrans Standard Specifications (2021b), Greenbook (2018) crushed aggregate base, or Greenbook (2018) crushed miscellaneous base. Aggregate base materials should be moisture conditioned to at or slightly above optimum moisture content and should be placed over prepared subgrade materials. We recommend that the aggregate base materials be compacted to a relative compaction of 95 percent of the modified Proctor density in accordance with ASTM D 1557.

The AC materials should consist of a ¾-inch gradation in accordance with Class D materials as presented in Section 206-6.5.4 of the Greenbook (2018) with a Performance Grade (PG) 70-10 polymer modified (PM) binder. The AC materials should be placed over the aggregate base materials and be compacted to 95 percent relative compaction as compared to the material's Hveem density.

As part of the reconstruction, we recommend that continuous headers be utilized along the portions of the play area perimeter which are adjacent to unpaved surfaces. Also, the AC surface should be placed in such a manner to provide positive drainage so that surface water is not permitted to pond on the surface and is diverted off of and away from the AC materials.

Additionally, concrete and AC materials generated from the demolition of the existing improvements may be crushed or pulverized and reused as aggregate base materials, provided they are free from painted surfaces and rebar. These materials are considered suitable, provided they are processed and meet the criteria of Caltrans Class 2 aggregate base materials or Greenbook crushed miscellaneous base.

### **g. Site Preparation – South Hardcourt**

For areas to receive new pavements, site preparation activities should begin by clearing and removing existing AC, deleterious materials, including organics (such as roots), and oversize materials. As noted previously, our exploratory borings encountered a layer of paving fabric within the encountered AC surfacing. Underground utilities within the proposed limits of the replacement should be located prior to the commencement of earthwork operations.

### **h. Subgrade Preparation – South Hardcourt**

For the South Hardcourt, we recommend that the subgrade soils be scarified to a depth of 8 inches, rock picked, moisture conditioned to at or slightly above optimum moisture content, and recompact to a relative compaction of 95 percent as evaluated by ASTM D 1557. After the subgrade preparation has been performed in accordance with the recommendations provided above for South Hardcourt, the new AC pavement sections, including aggregate base materials, should be constructed in accordance with the previous recommendations of this report.

In general, subgrade soils should not contain rocks or lumps over approximately 3 inches in diameter, and not more than approximately 30 percent larger than ¾-inch.

### **i. Pavement Reconstruction – West Hardcourt**

As noted earlier, we understand that the hardcourt pavements are to be designed and constructed to support pedestrian and vehicular traffic. Our laboratory testing of a near surface soil samples from boring B-4 in the West Hardcourt indicated an R-value of 14. That R-value, along with a TI of 6 has been used for the design and construction of the new West Hardcourt pavement. The recommended preliminary pavement section for the new West Hardcourt pavement is presented in Table 5 below:

<b>Table 5 – Recommended Preliminary Flexible Pavement Section – West Hardcourt</b>			
<b>Traffic Index Pavement Usage</b>	<b>Design R-Value</b>	<b>Asphalt Concrete (inches)</b>	<b>Aggregate Base (inches)</b>
6 (Playground/Hard Courts)	14	3½	10½

Aggregate base materials should conform to Caltrans Class 2 aggregate base materials as defined in Section 26 of the Caltrans Standard Specifications (2021b), Greenbook (2018) crushed aggregate base, or Greenbook (2018) crushed miscellaneous base. Aggregate base materials should be moisture conditioned to at or slightly above optimum moisture content and should be placed over prepared subgrade materials. We recommend that the aggregate base materials be compacted to a relative compaction of 95 percent of the modified Proctor density in accordance with ASTM D 1557.

---

The AC materials should consist of a  $\frac{3}{8}$ -inch gradation in accordance with Class D materials as presented in Section 206-6.5.4 of the Greenbook (2018) with a Performance Grade (PG) 70-10 polymer modified (PM) binder. The AC materials should be placed over the aggregate base materials and be compacted to 95 percent relative compaction as compared to the material's Hveem density.

As part of the reconstruction, we recommend that continuous headers be utilized along the portions of the play area perimeter which are adjacent to unpaved surfaces. Also, the AC surface should be placed in such a manner to provide positive drainage so that surface water is not permitted to pond on the surface and is diverted off of and away from the AC materials.

Additionally, concrete and AC materials generated from the demolition of the existing improvements may be crushed or pulverized and reused as aggregate base materials, provided they are free from painted surfaces and rebar. These materials are considered suitable, provided they are processed and meet the criteria of Caltrans Class 2 aggregate base materials or Greenbook crushed miscellaneous base.

#### **j. Site Preparation – West Hardcourt**

For areas to receive new pavements, site preparation activities should begin by clearing and removing existing AC, deleterious materials, including organics (such as roots), and oversized materials. As noted previously, our exploratory borings encountered a layer of paving fabric within the encountered AC surfacing. Underground utilities within the proposed limits of the replacement should be located prior to the commencement of earthwork operations.

#### **k. Subgrade Preparation – West Hardcourt**

For the West Hardcourt, we recommend that the subgrade soils be scarified to a depth of 8 inches, rock picked, moisture conditioned to at or slightly above optimum moisture content, and recompacted to a relative compaction of 95 percent as evaluated by ASTM D 1557. After the subgrade preparation has been performed in accordance with the recommendations provided above for West Hardcourt, the new AC pavement sections, including aggregate base materials, should be constructed in accordance with the previous recommendations of this report.

In general, subgrade soils should not contain rocks or lumps over approximately 3 inches in diameter, and not more than approximately 30 percent larger than  $\frac{3}{4}$ -inch.

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## 11. Limitations

The field evaluation, laboratory testing, and geotechnical analyses presented in this geotechnical report have been conducted in general accordance with current practice and the standard of care exercised by geotechnical consultants performing similar tasks in the project area. No warranty, expressed or implied, is made regarding the conclusions, recommendations, and opinions presented in this report. There is no evaluation detailed enough to reveal every subsurface condition. Variations may exist and conditions not observed or described in this report may be encountered during construction. Uncertainties relative to subsurface conditions can be reduced through additional subsurface exploration. Additional subsurface evaluation will be performed upon request. Please also note that our evaluation was limited to assessment of the geotechnical aspects of the project, and did not include evaluation of structural issues, environmental concerns, or the presence of hazardous materials.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires additional information or has questions regarding the content, interpretations presented, or completeness of this document.

This report is intended for design purposes only. It does not provide sufficient data to prepare an accurate bid by contractors. It is suggested that the bidders and their geotechnical consultant perform an independent evaluation of the subsurface conditions in the project areas. The independent evaluations may include, but not be limited to, review of other geotechnical reports prepared for the adjacent areas, site reconnaissance, and additional exploration and laboratory testing.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. If geotechnical conditions different from those described in this report are encountered, our office should be notified and additional recommendations, if warranted, will be provided upon request. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

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## 12. References

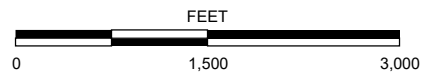
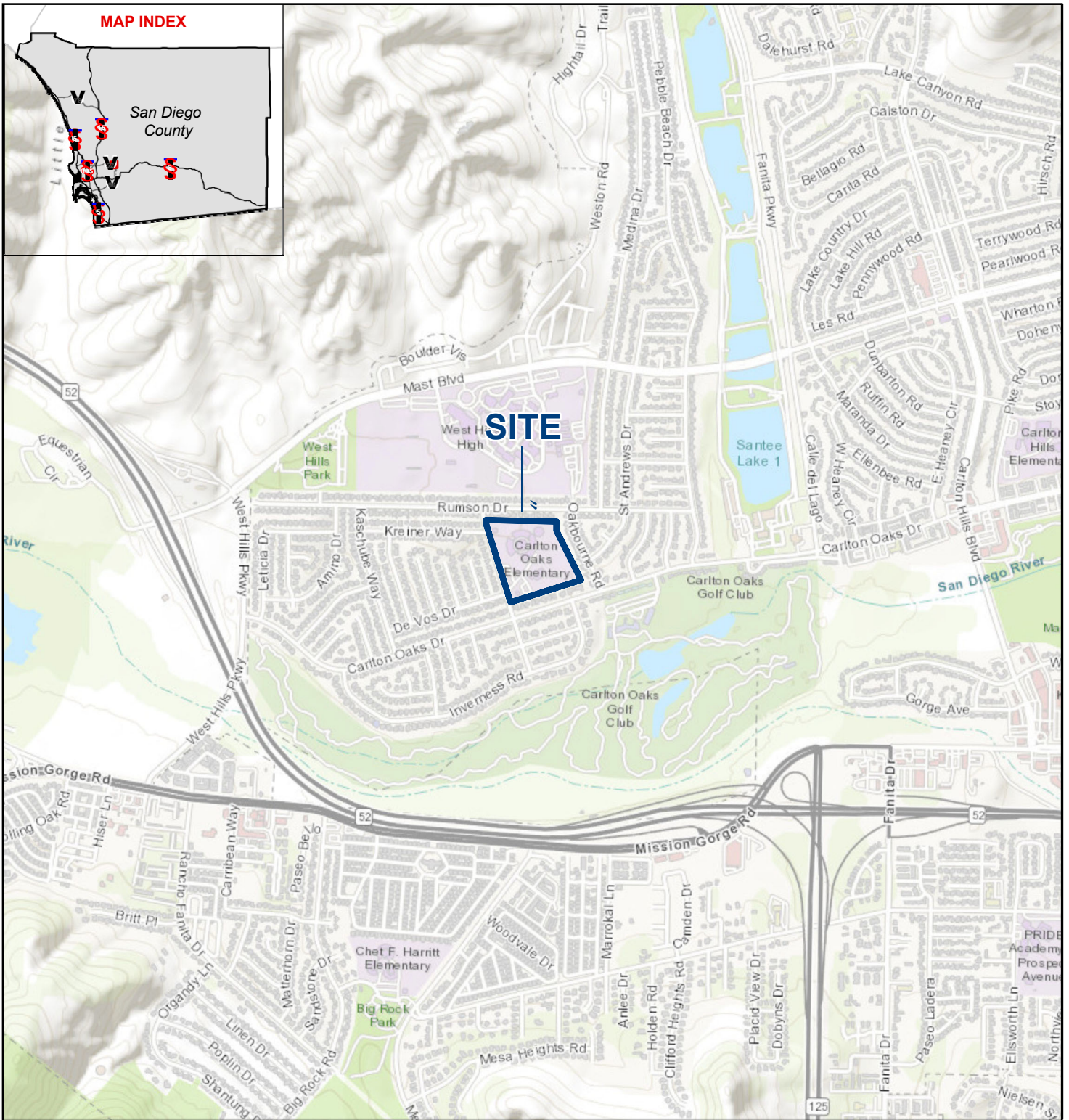
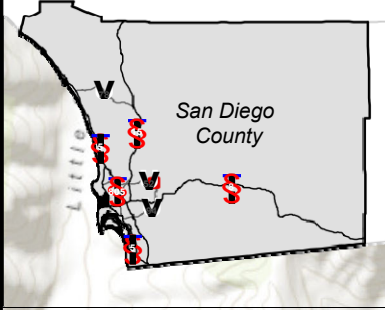
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- Kennedy and Tan, 2008, Geologic Map of San Diego 30' x 60' Quadrangle, California, Scale 1:100,000.
- Ninyo & Moore, 2007, Geotechnical Evaluation, Carlton Oaks School, Santee, California, Project No. 106114001: dated July 12.
- Ninyo & Moore, 2021, Proposal for Geotechnical Pavement Evaluation, Hardcourt Pavements, Carlton Oaks School, 9353 Wethersfield Road, Santee, California, Proposal No. 02-02630: dated November 24.
- United States Department of Agriculture (USDA), 1953, Flight AXN-10M, Numbers 16 and 17: dated April 14.

## 13. Figures



# FIGURES

MAP INDEX



NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE. | SOURCE: ESRI WORLD TOPO, 2022

FIGURE 1

SITE LOCATION

CARLTON OAKS SCHOOL HARD COURT PAVEMENTS  
9353 WETHERSFIELD ROAD, SANTEE, CALIFORNIA

109373001 | 2/22

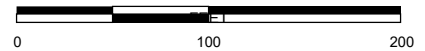




**LEGEND**

- SITE BOUNDARY
- BORING  
TD=4.0 TD=TOTAL DEPTH IN FEET

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE. | SOURCE: GOOGLE EARTH, 2021



**FIGURE 2**

**BORING LOCATIONS**

CARLTON OAKS SCHOOL HARDCOURT PAVEMENTS  
9353 WETHERSFIELD ROAD, SANTEE, CALIFORNIA



# ATTACHMENT A

## Photographs



**Photograph 1:** View of East Hardcourt play area looking north. Note the several patched and unpatched AC cracks running in the north-south and east-west orientations.



**Photograph 2:** View of East Hardcourt play area looking south. Note the several AC cracks running in the north-south and east-west orientations.

**FIGURE A-1**



**Photograph 3:** View of several alligator cracks in the AC pavement for the East Hardcourt play area looking north.



**Photograph 4:** View of several random oriented cracks in the AC with various cracks that have previously been patched and have reopened.

**FIGURE A-2**



**Photograph 5:** View of South Hardcourt play area looking east. Note the several patched and unpatched AC cracks running in the north-south and east-west orientations.



**Photograph 6:** View of South Hardcourt play area looking east. Note the several patched and unpatched AC cracks running in the north-south and east-west orientations.

**FIGURE A-3**

**PHOTOGRAPHS**



**Photograph 7:** View of West Hardcourt play area looking west. Note the several patched and unpatched AC cracks running in the north-south and east-west orientations.



**Photograph 8:** Close-up view of an AC crack approximately 1/2-inch wide.

14. A temporary fence is to be provided by the Contractor at the CARLTON OAKS AND HILL CREEK SCHOOL site around the project area for safety reasons.

**B. Liquidated Damages.** If work under this contract is not ready for the intended use within the specified time period, the agreed liquidated damages established in Article 6 of the General Conditions, per calendar day for each calendar date facility is not operational and completion is delayed will be **one thousand dollars (\$1,000) per day**.

**C. Bonds.** Contractor shall provide (i) a bid bond in the amount of ten (10%) of the contract price; (ii) a payment bond in the total amount of one hundred percent (100%) of the contract price; and (iii) a performance bond in the amount of one hundred percent (100%) of the contract price.

SANTEE SCHOOL DISTRICT will require a payment bond issued by an admitted Surety approved to conduct business in the State of California from the successful bidder regardless of the contract amount.

Rating for the surety must be A++, A+, A, or no less than A-. Bonds submitted for less than A- will not be accepted. Unless acceptable bonds are provided, the bid award will be rescinded and re-awarded to the next low, responsive bidder.

Rating information can be obtained from Best's State Rate Filings: <http://www.ambest.com/bsrf>

**D. Insurance.** As provided in General Conditions, Contractor shall procure and maintain and shall require all subcontractors, if any, whether primary or secondary, to procure and maintain either:

**Comprehensive General Liability Insurance.**  
with a combined single limit per occurrence  
of not less than .....\$1,000,000

**OR**

**Commercial General Liability and Property Damage Insurance**  
(including automobile insurance) which provides  
limits of not less than:

(a) Per occurrence (combined single limits)		\$1,000,000
(b) Project Specific Aggregate (for this project only).	\$1,000,000	
(c) Products/Completed Operation	\$1,000,000	
(d) Personal & Advertising Injury limit	\$1,000,000	

**AND**

Builder's Risk (or Course of Construction Coverage) Applicable/Fire Insurance  
(See Article 40) Project Replacement Value at replacement value,  
\$100% (One Hundred Percent)

**Insurance Covering Special Hazards:** Following special hazards shall be covered by riders or riders to above-mentioned commercial liability insurance or property damage insurance policy or policies of insurance, or by special policies of insurance, in amounts as follows:

Automotive and truck where operated in amounts	\$1,000,000
Material hoist where used in amounts	\$1,000,000
Explosion, collapse & Underground (XCU) coverage	\$1,000,000

Excess Liability Insurance coverage in the amount of \$1,000,000

**Additional Insured Endorsement:** Any general liability policy provided by Contractor hereunder shall contain an endorsement which applies its coverage to District, members of District's board of trustees, and the officers, agents, employees and volunteers of District, the State Allocation Board, if applicable, the architect, and the architect's consultants, individually and collectively, as additional insured's.

**E. Executed Copies:** The number of executed copies of the Agreement, the Fingerprinting Form, the Performance Bond, and the Payment Bond for Public Works required is four (2).

**F. License Classification:** Each bidder shall be a licensed Contractor pursuant to the Business and Professions Code and shall be licensed in the following classification **(A) General Engineering Contractor or (C12) Earthwork & Paving Contractor.**

**G. Fingerprinting:** The District has considered the totality of the circumstances concerning the Project and has determined that the Contractor and Contractor's employees are **NOT** subject to the requirements of Education Code section 45125.2 and Paragraph (a) of Article 13 of the General Conditions.

**H. Award of Bid:** The Owner reserves the right to reject any or all bids, or to waive any irregularities or informalities in any bids or in the bidding. The award of the contract, if made by the Owner, will be to the lowest responsive, responsible bidder therefore.

The lowest bid shall be the lowest total bid price on the Total of Base Bid plus any and all alternates for each Bid. The bid will be awarded to only one bidder.

**I. Work Schedule:** A work schedule is to be reviewed and approved by Bryce Storm, Director of Facilities, Maintenance & Operations, (619) 258-2334, [bryce.storm@santeesd.net](mailto:bryce.storm@santeesd.net) with a pre-construction meeting at the job site to review the project prior to start of work.

**J. Safety:** The contractor shall be responsible for the safety of his workers and his subcontractors, the public, school staff, and students within his area of work. The contractor shall provide substantial barricades around his area of work. When operating large, noisy pieces of equipment such as trucks, augers, back hoes, etc. during school hours, the contractor shall provide a workman specifically to stand or walk beside the equipment to insure students and staff stay clear. Such equipment shall be stopped during class passing.

At the end of each workday, the area shall be left reasonably free of debris and secured. Holes and trenches shall be scheduled so that they are covered or filled as soon as possible.

**K. Noise:** Operations which create intense, sustained noise shall be scheduled per City of Santee noise regulations.

#### **L. Tobacco Free Schools/Facilities**

Per Board Policy BP 3513.3:

The Governing Board recognizes the health hazards associated with smoking and the use of tobacco products, including the breathing of second-hand smoke, and desires to provide a healthy environment for students and staff.

The Board prohibits the use of tobacco products at any time in district-owned or leased buildings, on district property and in district vehicles. (Health and Safety Code 104420; Labor Code 6404.5; 20 USC 6083)



This prohibition applies to all employees, students and visitors at any instructional program, activity or athletic event.

Smoking or use of any tobacco-related products and disposal of any tobacco-related waste are prohibited within 25 feet of any playground, except on a public sidewalk located within 25 feet the playground. (Health and Safety Code 104495)

**M. Santee School District Calendar:**

July 4, 2022	Closed for Holiday, No Staff
August 1, 2022	Principals Return
August 1, 2022	Vice-Principals Return
August 1, 2022	Office Staff return

**N. General Conditions Article 20: (add the following statement)**

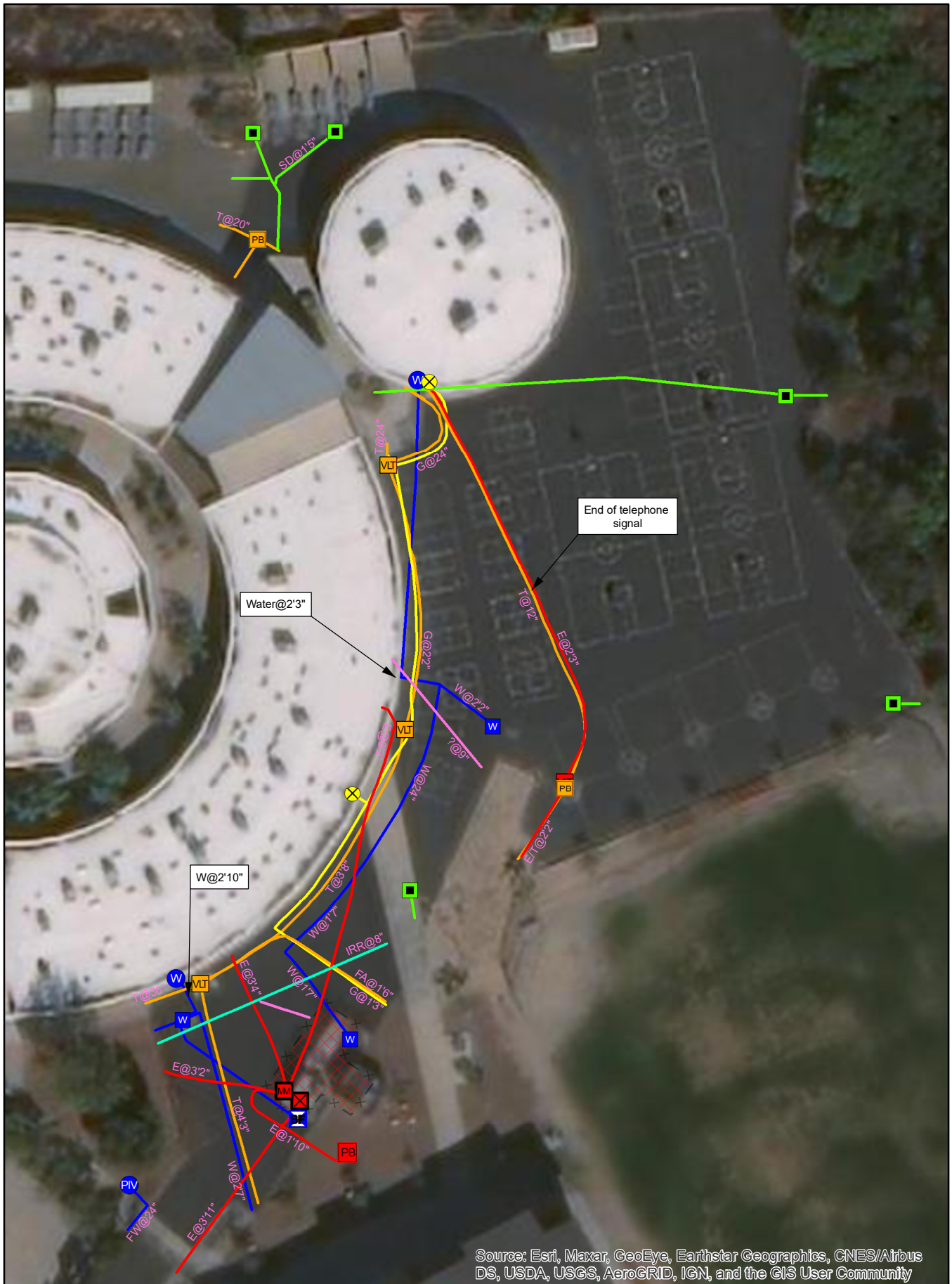
1. Temporary toilet and wash facilities to be provided in the contractor's staging area.

**O. Contractor's staging area:**

1. Contractor to provide a staging area in a location approved by the District. Fencing is not required, but encouraged. Access around the buildings and to and from the site for pedestrians and vehicles must be maintained.

**P. Scope of Work – See attached colored site plans.**

END OF SPECIAL CONDITIONS



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

**Cable Pipe and Leak Detection Inc.**  
1483 N Second St. #201 El Cajon, Ca 92021  
(800)450-LEAK (619)873-1530  
CPLDETECTION.COM  
TECH EMAIL: r.martinez619@yahoo.com

**Map Created by:** Richard Martinez  
**Map Created for:** Santee School District  
**Job Number:** 2070-2  
On Site Locating Performed by: Richard Martinez  
February 15<sup>th</sup> 2022



Possible 2" PVC Water  
No depth avail, pot hole  
prior to excavation



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community


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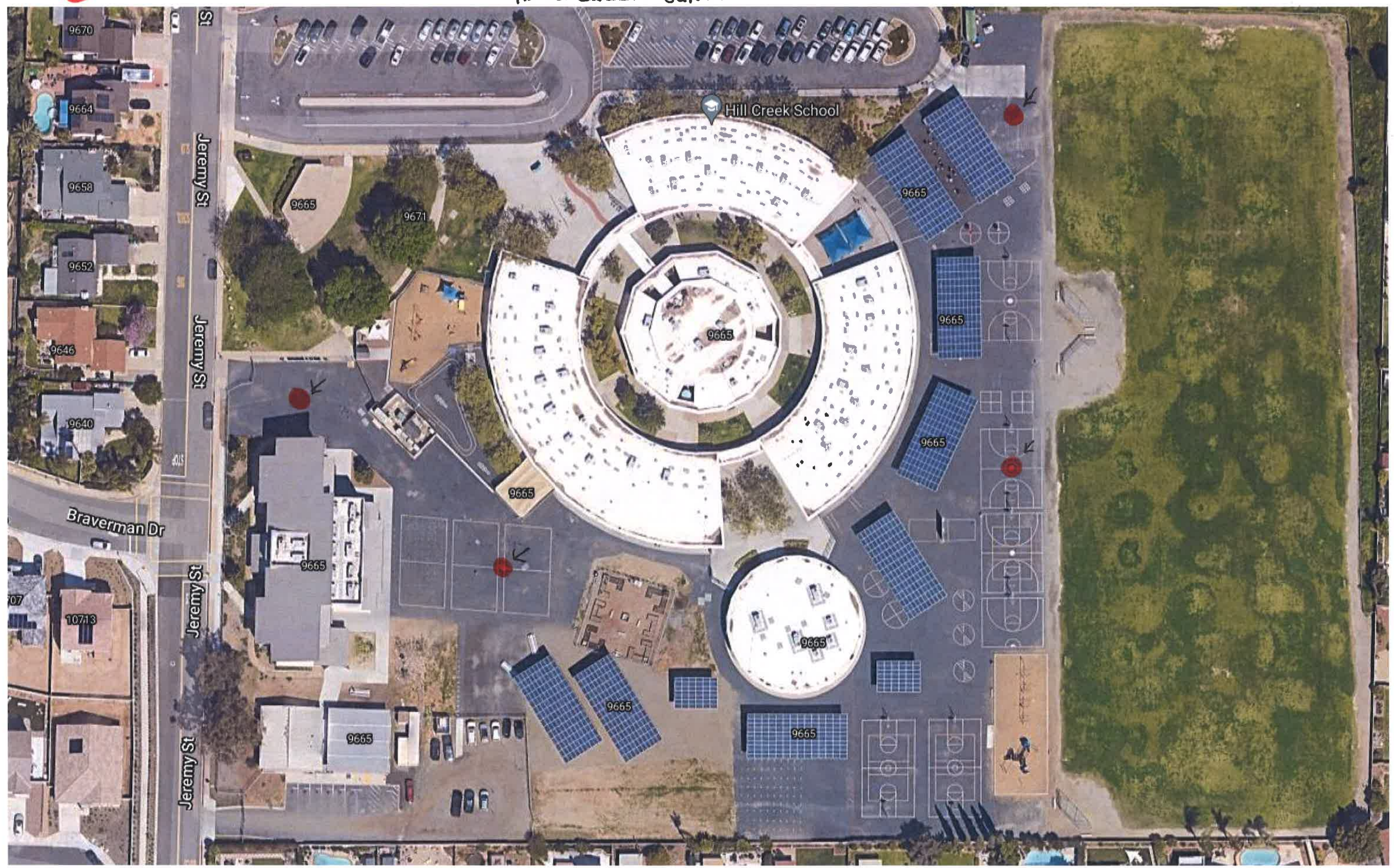
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**Map Created for:** Santee School District  
**Job Number:** 2070-2  
On Site Locating Performed by: Richard Martinez  
February 15<sup>th</sup> 2022

# CARLTON OAKS SCHOOL



 = BOREING LOCATIONS

# HILL CREEK SCHOOL



**SECTION 01800**

**TESTING AND INSPECTION REQUIREMENTS**

**PART 1 - GENERAL**

1.01 SECTION INCLUDES

- A. Requirements for testing and inspection of materials and the installation of the work.

1.02 RELATED SECTIONS

- A. Drawings and provisions of the Contract including General and supplementary conditions and other Division - 1 Specification Sections apply to this section as if repeated herein.
- B. Section 01400 - Quality Requirements
- C. Section 01425 - Reference Standards

TESTING AND INSPECTION REQUIREMENTS

1.03 VERIFICATION OF TEST REPORTS

- A. Each testing agency shall submit to the Division of the State Architect (DSA) a verified report in duplicate covering all of the tests which are required to be made by the agency during the process of the project. Such reports shall be furnished each time that work on the project is suspended covering the tests up to that time and at the completion of the project, covering all tests.

1.04 INSPECTION BY THE DISTRICT

- A. The District and the Project Inspector shall at all times have access for the purposes of inspection to all parts of the work and to the shops at which the work is in preparation. The Contractor shall at all times maintain proper facilities and provide safe access for such inspection. The Contractor shall coordinate with and notify the IOR to allow required inspections as the work progresses and as the work is sequenced. Work that is covered before required inspection is accomplished shall be subject to removal and replacement at Contractor's expense to allow required inspection.
- B. The District and the Project Inspector shall have the right to reject materials and workmanship which are defective or to require their correction. Rejected workmanship shall be satisfactorily corrected and rejected materials shall be removed from the premises without charge to the District. If the Contractor does not correct rejected work within a reasonable time and the defective work is not fixed by written notice, the District may correct same and charge the expense to the Contractor.
- C. Should it be considered necessary or advisable by the District at any time before final acceptance of the work to make an examination of work already completed by removing or tearing out same, the Contractor shall on request promptly furnish all necessary facilities, labor and materials. If such work is found to be defective in any respect or not in compliance with the Contract Documents due to fault of the Contractor or his subcontractors, the Contractor shall defray all expenses of such examination and of

SANTEE SCHOOL DISTRICT  
ASPHALT REPLACEMENT AT CARLTON OAKS AND CRACK FILL  
AND SLURRY SEAL/ LINE STRIPING AT HILL CREEK SCHOOL  
APRIL 28, 2022

satisfactory reconstruction. If such work is found to be in compliance with the Contract, the additional costs of labor and material necessarily involved in the examination and replacement shall be allowed the Contractor.

1.05 PROJECT INSPECTOR

- A. An Inspector employed by the District in accordance with the requirements of the State of California Administrative Code of Requirements, Title 24, Part I will be assigned to the project. The Inspectors duties are specifically defined in Title 24, Part I, Section 4-342. The work of construction during all stages shall be subject to the personnel and continuous observation of the Inspector. He shall have free access to all portions of the work at all times. The Contractor shall furnish the Inspector reasonable facilities for obtaining such information as may be necessary to keep him fully informed in respect to the progress and manor of the work and the character of the materials. Inspection of the work shall not relieve the Contractor from any obligations to fulfill the Contract. The Contractor shall provide the Project Inspector with a field office per Section 01525 - Field Offices.

PART 2 • PRODUCTS • NOT USED

PART 3 • EXECUTION • NOT USED

END OF SECTION

**SECTION 02050**

**DEMOLITION**

**PART 1 - GENERAL**

1.01 SECTION INCLUDES

- A. In accordance with the documents carefully demolish and remove from the site those items indicated to be demolished and/or removed. Salvage items as indicated or directed.

1.02 RELATED SECTIONS

- A. Drawings and provisions of the Contract including General and Supplementary Conditions and other Division 1 Specifications Sections apply to the section as if repeated herein.
- B. Section 02200 - Earthwork for Structures and Pavements
- B. Section 02225 - Excavation, Backfilling and Compacting for Utilities

1.03 QUALITY ASSURANCE

- A. Contractor Qualifications: Company specializing in demolition specified in this section, with not less than three years of documented experience.

1.04 PRE-DEMOLITION MEETING

Convene one week before starting work of this section. Review the scope of work and required coordination with the District.

1.05 PROJECT CONDITIONS

- A. Coordinate demolition of paving, etc. with location and protection of existing site utilities. Verify existing service utilities to remain and/or to be replaced or re-routed around the new facility.
- B. Sequence demolition and re-installation to ensure utility connections are achieved in an orderly and expeditious manner.

1.06 ENVIRONMENTAL REQUIREMENTS

- A. Comply with all abatement requirements for hazardous materials.
- B. Comply with erosion control SWPPP requirements while performing demolition.
- C. Allow for recycle of demolished materials where feasible.

**PART 2 • PRODUCTS (NOT USED)**

**PART 3 • EXECUTION**



3.01 EXAMINATION

- A. Verify the location and extent of the work of this Section to be performed. Correct conditions detrimental to timely and proper completion of the work. Do not proceed until unsatisfactory conditions are corrected.
- B. Carefully identify the limits of demolition.
- C. Coordinate utility shut downs as required with the District. Provide minimum three day notice in advance of any shutdown that is required to perform the work.
- D. Utilize utility locator to verify locations of existing utilities on site prior to demolition.

3.02 DEMOLITION

- A. Visit the site with District Representative and Architect to verify extent and location of required demolition
- B. Mark interface surfaces as required to enable workmen to identify items to be removed and items to be left in place.
- C. Shut off, cap and otherwise protect existing utility lines in accordance with the requirements of the agency or utility having jurisdiction.
- D. Completely remove items scheduled to be demolished and removed, leaving surfaces clean, solid, and ready to receive new materials specified elsewhere. Repair affected surfaces to conform to the type, quality, and finish of the surrounding surface.
- E. In all activities comply with pertinent regulations *bf* governmental agencies having jurisdiction.
- F. Work shall be performed in a manner that will not damage parts of the existing facilities not intended for removal nor affect satisfactory operation of the existing facilities.
- G. Unless indicated otherwise, demolished material shall be considered to be the property of the Contractor and shall be completely removed from the site.
- H. Utilize dust abatement procedures to prevent dust from becoming a nuisance to the school, the public, to neighbors and to other work being performed on or near the site. Do not use water if it creates undesirable sediments or erosion and flooding of public storm drain system.
- L. Do not reuse material salvaged from demolition work on this project, except as specifically shown.

3.03 REPLACEMENTS

- A. In the event of demolition of items not scheduled to be demolished, promptly replace such items to the approval of the District Representative or Architect at no additional cost to the District.

SANTEE SCHOOL DISTRICT  
ASPHALT REPLACEMENT AT CARLTON OAKS AND CRACK FILL  
AND SLURRY SEAL/ LINE STRIPING AT HILL CREEK SCHOOL  
APRIL 28, 2022

3.04 CLEANING

- A. Clean the site and prepare for proceeding with the new construction.
- B. Do not permit traffic over unprotected demolished work areas.

END OF SECTION

**SECTION 02110**

**SITE CLEARING AND DEMOLITION**

**PART 1 - GENERAL**

1.01 SUMMARY

- A. Section includes: Site clearing as specified herein.
- B. Related Sections:
  - 1. Section 02200, Earthwork
  - 2. Section 02223, Storm Water Pollution Control
  - 3. Section 01500, Construction Facilities and Temporary Controls
  - 4. Section 02912, Tree Protection
- C. Principal items of Work included herein:
  - 1. Site clearing and Grubbing.

1.01 REFERENCES

- A. Demolition shall be as per 2007 California Fire Code, Chapter 14.

1.02 PROJECT SITE CONDITIONS

- A. The Contractor shall be responsible to furnish and maintain all temporary barricades, warning lights, and other types of protection and to prevent accidental injury to the general public and personnel on the project.
- B. Existing improvements and existing active utility lines to remain (whether above or below ground) within the new construction area shall be properly and adequately protected from damage during the entire construction period. The Contractor shall be responsible to restore to their original condition any of these existing items that are damaged or disturbed.
- C. The Contractor shall be responsible to protect adjacent properties, roads, right of ways, utilities and other improvements above or below ground from damage in performing the work.
- D. Comply with applicable sections of the storm water pollution prevention plan, including but not limited to, erosion control, soil, waste and maintenance areas.
- E. Salvaged Materials: Owner requires that a minimum of 50% (by weight) of all non-hazardous construction materials be recycled, composted and/or salvaged. Salvage shall conform to the following:
  - 1. Contractor shall submit salvage plan showing how all materials are to be sorted, salvaged and recycled. Plan must include all final destinations for each type of material.

2. Salvaged items must be transported from site as they are removed, unless materials are to be reused on site.
3. Storage or sale of removed items on site will not be permitted, unless materials are to be reused on site.
4. Contractor shall provide certification for all salvaged materials. Certifications may take the form of receipts from recycling facilities, manufacturers, or any other legitimate form of certification. Certification types shall be outlined in salvage plan and approved by Owner.

**PART 2 - PRODUCTS**  
(Not Applicable)

**PART 3 - EXECUTION**

3.01 EXECUTION

- A. Completely remove from the site (as required for construction) existing vegetation, trees, shrubs, bushes, debris, poles, posts, houses, sheds, garages, structures, footings, foundations, piers, curbs, walls, steps, slabs, pavement, substructures, underground utilities, cesspools, weir boxes, irrigation lines and appurtenances, septic tanks, fences, basement walls and slabs, tanks, manure, etc., unless otherwise indicated, including any other items necessary to construct the new work under this contract.
- B. Items removed shall be disposed of, off the property, in a legal manner.
- C. Trees and tree stumps unless indicated to remain, shall be removed, together with the bulk of the roots, to a minimum depth of 3 feet below the existing grade or finish grade, whichever is lower, within a radius of eight feet beyond perimeter of trunk at ground line. The resulting holes created by the tree removal shall be filled with clean earth and compacted to the same density as specified in Section 02200, Earthwork, for fills. Holes resulting from the tree removal, shall not be backfilled until approved by the Inspector or other designated authority.
- D. During demolition operations, thoroughly wet down debris to allay the dust as necessary. Remove debris from the site as it accumulates. Accumulation of debris will not be permitted.
- E. Holes resulting from the removal of septic tanks, cesspools, or any other underground tanks or structures shall be backfilled in accordance with Section 02200, Earthwork and/or geotechnical report.
- F. Discarding existing vegetation into existing surface soils will not be permitted under any circumstances.
- G. Coordinate timing of demolition of existing temporary drainage structures with construction of new permanent drainage structures.

**END OF SECTION**

**SECTION 02200**

**EARTHWORK**

**PART 1 - GENERAL**

1.01 SUMMARY

- A. Section includes: All required excavation, grading, preparation of subgrade for fills, proper placement of fills, including backfilling and compaction, watering, rolling, and compacting of fill material in place, and finish grading.
- B. Principal items of Work included herein:
  - 1. Excavation
  - 2. Filling
  - 3. Backfilling
  - 4. Geotechnical Engineer Inspection and Testing
  - 5. Grading
  - 6. Miscellaneous related work necessary for a complete job.
- C. Related Sections:
  - 1. Site clearing and demolition, Section 02110
  - 2. Final subgrade preparation for asphalt paving, Section 02511-Asphaltic Concrete Paving.
  - 3. Aggregate base beneath asphalt paving is specified under Section 02511.
  - 4. Excavation and Backfill for Utilities and Storm Drains, Section 02220.
  - 5. Storm Water Pollution control, Section 02223 (Architect to Verify)
  - 6. Off-Site Improvements, Section 02516 (Architect to Verify)
  - 7. Landscape Planting and Maintenance, Section 02900

1.02 PROJECT DATA

- A. **Geotechnical Reports:** The existing soil conditions at the site(s) have been investigated, and a report of findings is on file at the District office for review by the Bidders during the bidding period. This information is offered as supplemental information only, and no guarantee of existing soil or other conditions is intended.
- B. The existing soil conditions at the site(s) have been investigated and a report of the findings is on file at the District Office, and posted at [www.santeesd.net/modernization](http://www.santeesd.net/modernization).

1.03 PERFORMANCE REQUIREMENTS

- A. All grading work shall be performed in accordance with Title 24, Part 2, CBC 2007.

- B. The Grading Code of the County of San Diego, City of Santee, and any special requirements of the permit.
- C. The Preliminary Geotechnical Investigation and Soils Reports prepared by Ninyo & Moore, at [www.santeesd.net/modernization](http://www.santeesd.net/modernization).
- D. Applicable General and Special Conditions of these specifications hereinafter set forth in full or by reference.

#### 1.04 QUALITY CONTROL

- A. Testing and Inspections:
  - 1. A Geotechnical Engineer, designated by the Owner, shall be engaged to perform continuous inspection of the placing and compacting of fills and backfills within the limits of grading of this project. Work shall be done in accordance with these specifications, the requirements of California Building Code, Chapters 18A and 33, and as recommended and approved by the Geotechnical Engineer. Costs for such inspection and tests shall be paid by the Owner. The Contractor shall be responsible for notifying the Geotechnical Engineer in advance so that he may be present to perform his services as needed.
  - 2. The Geotechnical Engineer shall also make an investigation of the fill material to establish the ability of the soil to sustain the vertical loads to be imposed on the fill by the proposed structure, and to confirm the expansion and other specified characteristics of the fill material.
  - 3. The Geotechnical Engineer shall submit compaction reports to the Architect, Structural Engineer and the Civil Engineer at the completion of the Work, including test results and plot plans indicating the locations from which the tested samples of fill were taken. The Geotechnical Engineer shall keep the Architect and Civil Engineer informed of the progress of the grading work.

#### 1.05 SITE CONDITIONS

- A. Protection:
  - 1. Protect adjacent property as required to prevent caving and sloughing of material onto adjacent property.
  - 2. Utility lines and structures shown shall be protected and treated as indicated. Where utilities not shown are encountered, report it to the Architect before proceeding with excavation. Remove inactive lines as directed, and plug the remaining ends. The Contractor shall bear the cost for all repairs to damaged utilities.
- B. Environmental Requirements: Contractor must comply with all requirements of the applicable County of San Diego and the City of Santee dust control ordinances. Comply with applicable sections of the Storm Water Pollution Prevention Plan, including but not limited to erosion control, material stockpiling, vehicle parking and maintenance areas.

1. Construction operations and maintenance of equipment shall be performed only during the time period(s) and days allowed by local ordinance or government agency having jurisdiction.
2. Earthwork operations shall be scheduled to complete the Work as quickly as possible to reduce the noise, dust and air pollution impacts.

## **PART 2 - PRODUCTS**

### **2.01 FILL MATERIAL**

- A. Additional earth material required to complete the work shall be provided by the Contractor at his expense.
- B. All earth imported products to the site shall meet or exceed United States Environmental Protection Agency (US EPA), Department of Toxic Substances (if applicable), and State of California regulations for clean fill. Proof of compliance is the responsibility of the Contractor.
- C. All imported material shall be approved by the Geotechnical Engineer prior to hauling on site. Contractor shall deliver samples to testing lab, labeled with location, project name, and date.
- D. Imported earth shall be of granular nature with sufficient binder to form a firm, stable, unyielding subgrade. Adobe or clay soils will not be acceptable. Earth imported shall be relatively non-expansive with an expansion index per soils report, be clean and free from rubbish and debris and rock larger than 3 inches in maximum dimensions, not have sulfate content greater than 1,000 parts per million, and be subject to the approval of the Geotechnical Engineer. Imported fill material shall have an electrical resistivity exceeding 3,000 ohm cm. when saturated with distilled water, measured in accordance with the minimum resistivity procedure of California Test 643 or the soil resistivity box procedure shown in ASTM G57. Imported material to be used in areas to receive planting shall be approved by the Landscape Consultant of such quality as to support plant life.
- E. Backfill material for storm drain and utility lines shall be imported clean sand with a sand equivalent of at least 30 (California Test Method #217), and shall be placed in a minimum thickness of 6 inches for bedding and backfilled to 12 inches above the top of pipe.

### **2.02 SPECIAL REQUIREMENTS**

- A. If imported soils are used within the upper 12 inches of areas to be planted, these soils shall conform to the requirements for planting soils as specified herein. Otherwise the upper 12 inches of all areas to be planted in the future shall consist of material obtained from the upper 12 inches of existing on-site soils.

## **PART 3 - EXECUTION**

### **3.01 PREPARATION**

- A. Protect adjacent property and existing improvements and structures as necessary to

prevent undermining, caving of cuts, and miscellaneous damage.

- B. Provide cribbing, sheeting, and shoring necessary to safely retain the earth banks and protect excavations and adjoining grades from caving and other damage resulting from excavating together with suitable forms of protection against bodily injury to personnel employed on the work and the general public. Be responsible for the design, installation, and maintenance of required cribbing and shoring and same shall meet the approval of the State Division of Industrial Safety and local governing agencies requirements.
- C. Utility lines and structures shown shall be protected and treated as indicated. Where work not shown is encountered, report it to the Architect before proceeding with excavation. Encase active lines in sleeves where they pass through concrete; remove inactive lines as directed, and plug the remaining ends. Bear the costs for repairs to damaged or broken utilities and any damages related thereto.
- D. Protect existing improvements and adjacent properties from storm damage and flood hazard originating on this project until final acceptance by the Owner. Prevent silt run-off from the limits of work in accordance with governmental requirements.

### 3.02 EXCAVATION

- A. Strip vegetation in accordance with Section 02110-Site Clearing and Demolition. This material shall be disposed off site in a legal manner. All non-hazardous materials shall be composted, if possible. Contractor shall provide certification of composting location.
- B. Excavate unsuitable materials including compressible alluvium, expansive clay, organic material, contaminated soils, or other unsuitable materials. Any remaining dry, loose or soft materials should also be removed until a stable, unyielding condition under equipment loads is achieved. After making the recommended removals and prior to fill placement, the exposed ground surface shall be scarified to a depth of approximately 8 inches, brought to slightly above optimum moisture content, and compacted to at least 90% of the maximum dry density obtainable by the ASTM D-1557-02 Method of Compaction. Surfaces on which fill is to be placed which are steeper than 5:1 (horizontal to vertical) should be benched so that the fill placement occurs on relatively level ground.

The observed on-site soils contain clay that appears to be potentially expansive. These soils are not considered suitable for foundation, floor slab or pavement support. If expansive clay soils are located within 3 feet of the bottom of foundations, floor slabs or other concrete walks or slabs, or within 18 inches of paving base course, they shall be removed and replaced with non-expansive compacted fill soils. The over-excavated area shall extend horizontally at least 10 feet beyond the building perimeter. The replacement fill material may consist of on-site or imported non-expansive soil with an Expansion Index of less than 20.

- C. Based on the proposed Grading Plans, a cut/fill transition will cross the building pad area. Over-excavation of the building pad area shall be performed to allow placement of at least 4 feet of non-expansive compacted fill beneath all foundations or slabs to 10 feet beyond the building area.

The building area is defined as outside face of any structure (i.e. wall, column, post) supporting or attached to overhead framing or roof structure, including masonry site walls



over 5 feet high.

- D. Excavate to the depths, lines and grades indicated. Excavate sufficiently over-size to permit installation and removal of concrete forms and other required work.  
  
Should soil of inadequate density and bearing capability be encountered at the elevations indicated on the drawings, or where new fill is to be placed upon existing loose fill material exposed by excavation, the excavation shall be carried to the depth required to attain soil of bearing quality as determined by the Geotechnical Engineer.
- E. Footing pads, if poured neatly, may be excavated to the net pad widths plus two-inches if approved by the Architect. Approval shall not be given until the completed excavation has been inspected.
- F. Should footing excavations exceed required dimensions or should sloughing occur, fill such extra space with concrete at no additional cost to the contract. If unsuitable material is found at the indicated depths, immediately notify the Architect.
- G. Notify the Inspector 48 hours before foundation excavations are ready for inspection.
- H. The bottoms of footings shall be free of loose material, debris, and water before concrete is placed.
- I. Cut banks shall be neatly trimmed to the required finish surface as the cut progresses, or the Contractor shall have the option of leaving the cuts full and finish grading by mechanical equipment which shall produce the finish surfaces as shown on the Drawings.
- J. Surplus earth not needed for filling and grading shall be disposed of in a legal manner off the site.

### 3.03 FILLING

- A. Fill material shall be placed in horizontal lifts not to exceed 6-inches in depth. Backfill placed in narrow restricted areas, such as along utility trenches, may be placed in 12-inch thick lifts. All fill material shall be free of rocks larger than 3 inches in maximum dimensions. Each layer shall be brought to slightly over optimum moisture content and, while still moist, shall be compacted by rolling and tamping. The rolling and/or tamping of each layer shall continue until the density thereof is not less than 95% of the maximum density obtainable using the ASTM D-1557-00.
- B. Where fills are placed on existing slopes exceeding a slope of five horizontal to one vertical, the slopes shall be benched in accordance with the Geotechnical Engineer's requirements and local governing public agencies' requirements and compacted as herein specified before placing fill material on same so that fills shall be placed in horizontal layers as specified. Widths of benches shall be as directed by the Geotechnical Engineer.
- C. Rock encountered in the excavation on this site may, at the option of the Contractor, be broken up into pieces not larger than 3 inches in maximum dimension and be incorporated in the fill material if spread as directed by the Geotechnical Engineer. Otherwise, rocks larger than 3 inches in maximum dimension shall be removed from the site. Rocks and stones larger than 1 inch in maximum dimension will not be permitted

within the top 12 inches of finished grade in non-paved areas. Contractor is responsible for examining geotechnical report to determine if rock or hard digging will be encountered and make provisions in the bid for removal of such materials. No additional payment will be made for rock removal or hard digging.

- D. Fill banks shall be graded full and compacted beyond the grade of the finish bank. After the banks have been filled, they shall be trimmed to the finish grades and limits shown on the Drawings. Slopes shall be inclined no steeper than 2:1 (horizontal to vertical).
- E. Imported fill soils shall have an Expansion Index per soils report based on UBC Test Method 18-2 or ASTM D-4829, and an R-Value per soils report for pavement areas.

The top 12 inches of the pavement subgrade shall be compacted to at least 95% of maximum dry density as determined by ASTM D-1557-02.

- F. Retaining walls shall be backfilled with soil having an Expansive Index of 20 or less. The backfill area shall include the zone defined by a 1:1 sloping plane, back from the base of the wall. Retaining wall backfill should be compacted to at least 90% relative compaction based on ASTM D-1557-02. Backfill should not be placed until walls have achieved adequate structural strength. Heavy compaction equipment which could cause distress to walls should not be used.

#### 3.04 GRADING

- A. The entire area within the limits of grading as indicated on the Drawings shall be constructed to the lines, grades, elevations, slopes, and cross sections indicated on the Drawings. When the grading has been completed, the areas shall be rolled smooth with a steel tandem roller or equal. Should any low spots develop during the rolling operation, such spots shall be filled and rerolled smooth. Slopes, banks, and drainage depressions shall present a neat, uniform appearance on completion of the work. Provide temporary access roadways as needed during construction.
- B. It shall be the Contractor's full responsibility to take all measures necessary during grading to protect slope areas, both cut and fill, and adjacent properties from storm damage and flood hazard originating on this project until final acceptance by the Owner. It shall be the Contractor's responsibility to maintain completed slopes until all slopes are in satisfactory compliance with the job specifications.

#### 3.05 COMPACTION

- A. All fills shall be compacted to at least 90 percent of maximum density obtainable using the ASTM D-1557-02. Areas which are scarified shall be recompacted to these same requirements. The soil within the upper 12 inches of pavement subgrade should be compacted to at least 95% relative compaction based on ASTM D-1557-02.
- B. Compaction by flooding is expressly prohibited.

#### 3.06 CRIBBING AND SHORING

- A. Provide cribbing, sheeting, and shoring necessary to safely retain the earth banks and protect excavations and adjoining grades from caving and other damage resulting from excavating, together with suitable forms of protection against bodily injury to personnel employed on the work and the general public.

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The responsibility for the design, installation, and maintenance of required cribbing and shoring shall be entirely that of the Contractor and shall be in accordance with the current requirements of CAL-OSHA, the Industrial Accident Commission of the State of California, and all other public agencies having jurisdiction.

3.07 DUST CONTROL

- A. During grading operations, water shall be applied to the surfaces in the working area at frequent intervals and in sufficient quantities to lay the dust and for proper compaction. No other method will be permitted.

3.08 GRADING TOLERANCES AND SUBGRADE PROVISIONS

- A. Rough grading shall consist of grading to the finish grade elevations indicated on the grading plans, including, but not limited to, excavation, scarification, filling, compacting, importing, exporting, preparation of sub-grades, building pads, slopes, berms, ramps, etc. Rough grading shall also include grading to and providing the finished subgrade surface for all asphalt and cement concrete areas, building, ramps, gutters, etc. Rough grading shall be performed within a tolerance of 1/10 of a foot of the elevations indicated on the Drawings (including subgrade elevations) however, this is not to be construed as being permissible to leave the entire area 1/10 of a foot consistently high or low by that amount.

3.09 CLEANING

- A. Upon completion of work in this Section, remove rubbish, trash, and debris resulting from operations. Remove unused equipment and implements of service, and leave entire area involved in a neat, clean, and acceptable condition.

**END OF SECTION**

**SECTION 02225**

**EXCAVATING, BACKFILLING AND COMPACTING FOR TRENCHES**

**PART I - GENERAL**

1.01 SUMMARY

This section includes requirements for excavating, dewatering, preparation of pipe-laying surface, pipe bedding, backfilling and compaction for the piping systems furnished and installed under 02660 "Exterior Water Distribution System", 02720 "Storm Drainage System" and 02730 "Exterior Sanitary Sewer System."

1.02 REFERENCES

The publications listed below form a part of this specification to the extent reference The publications are referred to in the text by the basic designation only.

A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- ASTM D1556 (1990) Density and Unit Weight of Soil in Place by the Sand-Cone Method
- ASTM D1557 (1991) Laboratory Compaction Characteristics of Soil Using Modified
- ASTM D2487 (1993) Classification of Soils for Engineering Purposes (Unified Soil Classification System)
- ASTM D2922 (1991) Density of Soil and Soil- Aggregate in Place by Nuclear Methods (Shallow Depth)
- ASTM D3017 (1988; R 1993) Water Content of Soil and Rock in Place by Nuclear Methods (Shallow Depth)

B. WATER AGENCIES' STANDARDS (2004)

1.03 DESCRIPTION

The work includes excavation, preparation of pipe laying surface, pipe bedding, backfilling and compaction as specified herein, for the piping systems furnished and installed under Sections 02660 "Exterior Water Distribution System", 02720 "Storm Drainage System", 02730, "Exterior Sanitary Sewer System". The work also includes protection as specified herein, installation of buried warning and identification tape.

1.04 DEFINITIONS

- A. Backfill: Material used in refilling a trench or other excavation.
- B. Compaction: Any method of mechanically stabilizing a material by increasing its density at a controlled moisture condition. "Degree of Compaction" is expressed as a percentage of the maximum density obtained by the test procedure described in ASTM D1557 for general soil types, abbreviated in this specification as "(amount indicated) ASTM D1557 maximum density."
- C. Embankment: A "fill having a top that is higher than adjoining ground."

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- D. Specified material placed also specified degree of compaction to obtain an indicated grade or elevation.
- E. Granular Pipe Bedding: Sand, gravel or crushed aggregate as indicated in referenced Standard Drawing.
- F. Hard Material: Weathered rock, dense consolidated deposits, or conglomerate materials which are not included in the definition of "rock" but which usually require the use of heavy excavation equipment, ripper teeth, or jack hammers for removal.
- G. Lift: A layer or course of soil placed on top of prepared subgrade or a previously prepared or placed soil in a fill or backfill.
- H. Rock: Solid Homogenous interlocking crystalline material with firmly cemented, laminated, or foliated masses or conglomerate deposits, neither of which can be removed without systematic drilling and blasting, drilling and the use of expansion jacks or feather wedges, or the use of backhoe-mounted pneumatic hole punchers or rock breakers; also large boulders, buried masonry, or concrete other than pavement exceeding 1/2 cubic yard in volume.
- I. Unyielding Material: Rock or soil with cobbles in the trench bottom requiring a covering of finer grain material or special bedding to avoid bridging in the pipe or conduit.
- J. Unsatisfactory Material: Soil or other material identified as having insufficient strength or stability to carry intended loads on trench backfills without excessive consolidation or loss of stability, Also backfill material which contains refuse, large rocks, debris, and other Material which could damage the pipe or cause the backfill not to compact. Materials classified as PT, OH, or OI by ASTM D24-87 are unsatisfactory.
- K. Unstable Material: Material in the trench bottom which lacks firmness to maintain alignment and prevent joints from separating in the pipe, conduit or appurtenance structure during backfilling. This may be material otherwise identified as satisfactory which has been disturbed or saturated.

#### 1.05 SUBMITTALS

- A. Field Test Reports: Submit within 14 days of test date.
- B. Shoring Plan: If required by trench depth the Contractor shall submit a shoring plan prepared in accordance with CAL-OSHA requirements to the Owner's representative for review prior to commencing the work.

#### 1.06 SITE INSPECTION AND LOCATION OF EXISTING ON-SITE UTILITIES:

Prior to all work of this Section, carefully inspect the entire site and all existing items to be demolished and removed or to be left intact, and determine an orderly sequence for the performance of this work. Exact locations and alignment of existing buried utility lines are not known. Locate all existing utility lines and determine the requirements for disconnection and capping. Locate all active utilities traversing the area of work to be retained and determine the requirements for protection. Locate all points of connection and crossings by potholes and determine exact horizontal and vertical location prior to commencing the work.

#### 1.07 PROTECTION

- A. The existence and locations of existing underground facilities shown on the drawings were obtained from a search of available records. The Contractor shall take

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precautionary measures to protect any existing facility shown on the drawings, and any other which is not of record or not shown on the drawings.

- B. Shoring: The California Division Occupational Safety and Health Enforces the requirement that building and construction contractors obtain a permit prior to commencing certain types of hazardous activity, as specified in Section 65000 of the State Labor Code and Section 34-1 of Title 8 of the California Code of Regulations. These activities include construction of trenches or excavations which are 5' or deeper and into which a person is required to descend, the construction or demolition of any building, structure, falseworks or scaffolding more than three stories high or the equivalent height, and the underground use of diesel engines in work in mines and tunnels. Construction permits are issued by district offices of the division. The San Diego office is located at:

State of California  
Department of Industrial Relations  
Division of Occupational Safety and Health 7575 Metropolitan Drive, Suite 207  
San Diego, CA 92108  
(619) 767-2280

1. This project may include trenching in excess of 5 feet in depth which will require a permit from the California Division of Occupational Safety and Health (CALOSHA), The Contractor shall be responsible for obtaining the appropriate permit and shall comply with the requirements of the permit, and with CAL-OSHA law. If required the Contractor shall submit a shoring plan prepared in accordance with CAL OSHA requirements, to the Owner's representative for review prior to commencing the work.
- D. Dewatering: Provide for the disposal of surface and subsurface water which may accumulate in open excavations, unfinished fills, or other low areas. Remove water by trenching where approved, pumping, or other methods to prevent softening of exposed surfaces. Surface dewatering plan shall include the rerouting of any storm water runoff or natural drainage, if necessary, and shall comply with requirements of the County of San Diego and the California State Water Resource Board.
- E. Utilities: Movement of construction machinery and equipment over pipes and utilities during construction shall be at the Contractor's risk. For work immediately adjacent to or for excavations exposing a utility or other buried obstruction, use hand or light equipment excavation, Start hand or light equipment excavation on each side of the indicated obstruction and continue until the obstruction is uncovered or until clearance for the new grade is assured. Support uncovered lines or other existing work affected by the contract excavation until backfill is completed. Report damage to utility or subsurface construction immediately to the Owner's Representative.
- F. Structures and Surfaces: Protect newly backfilled areas and adjacent structures, slopes or grades from traffic, erosion settlement, or any other damage Repair and reestablish damaged or eroded grades and slopes and restore surface construction prior to acceptance. Provide erosion control to prevent water-borne soil from leaving the site, by means of straw bale dikes or sand bags. The Contractor shall be responsible to clean- P any soil deposited in the public right-of-way or on adjacent property.
- G. Protection and Restoration of Surface: Protect newly graded areas from traffic, erosion, and settlements. Repair and reestablish damaged or eroded slopes, elevations or grades and restore surface construction prior to acceptance. Provide erosion control to prevent water-borne soil from leaving the work area by means of straw bale dikes or sand bags. The Contractor shall be responsible to clean up any soil deposited in the public right-of-way or on adjacent property. The Contractor shall be responsible to protect storm drain

catch basins with sand bags and to prevent sediment from entering the storm drain system during construction.

#### 1.08 RELATED WORK IN OTHER SECTIONS

The following work specified in other sections applies to the work of this Section, including but not limited to:

- A. Section 02100, "Site Clearing".
- B. Section 02200, "Earthwork for Structures and Pavements".
- C. Section 02660, "Exterior Water Distribution System ". Section 02720, "Storm Drainage System
- E. Section 02730, "Exterior Sanitary Sewer System".
- F. Division 1

#### 1.09 SAFETY DURING CONSTRUCTION

The Contractor shall assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property. This requirement shall be made to apply continuously and not be limited to normal working hours. Refer to Part Three of this Section and Division I for additional requirements.

## **PART 2 - PRODUCTS**

### 2.01 SOIL MATERIALS

Provide soil materials as described below free of debris, roots, wood, scrap material, vegetable matter, refuse, soft unsound particles, or other deleterious and objectionable materials.

- A. Backfill: Bring trenches to grade indicated on the drawings using material excavated on the site of this project; this material shall be approved by the Geotechnical Engineer prior to use as backfill. The maximum size of material used for backfill shall not exceed 3 inches.
- B. Bedding: Sand, gravel or crushed aggregate as indicated in the referenced Standard Drawing for the specific utility.

### 2.02 BURIED WARNING AND IDENTIFICATION TAPE

Polyethylene plastic and metallic core or metallic-faced, acid- and alkali-resistant, Polyethylene plastic warning tape manufactured specifically for warning and identification of buried utility lines. Provide tape on rolls, 3" minimum width, color coded as stated below for the intended utility with warning and identification imprinted in bold black letters continuously over the entire tape length. Warning and identification to read, "CAUTION, BURIED (intended service) LINE BELOW" or similar wording. Color and printing is to be permanent, unaffected by moisture or soil.

Warning Tape Color Codes

Green: Sewer Lines

- A. Warning Tape for Metallic Piping: Acid and alkali-resistant polyethylene plastic tape conforming to the width, color, and printing requirements indicated above. Minimum

thickness of the tape shall be 0.003" Tape shall have a minimum strength of 1500 psi lengthwise and 1250 psi crosswise with a maximum 350% elongation.

- B. Detectable Warning Tape for Non-Metallic Piping: Polyethylene plastic tape conforming to the width, color, and printing requirements indicated above. Minimum thickness of the tape shall be 0.004" Tape shall have a minimum strength of 1500 psi lengthwise and 1250 psi crosswise. The tape shall be manufactured with integral wires, foil backing, or other means of enabling detection by a Metal detector when the tape is buried up to 3' deep. Encase the metallic element of the tape in a protective jacket or provide with other means of corrosion protection.

### **PART 3 - EXECUTION**

#### **3.01 GENERAL EXCAVATION**

- A. Keep excavations free from water while construction is in progress. Make trench sides as nearly vertical as practicable except where sloping of sides is allowed or required. Sides of trenches shall not be sloped from the bottom of the trench up to the elevation of the top of the utility. Excavate ledge rock boulders and other unyielding material to an overdepth at least 1 foot below the bottom of the utility unless otherwise indicated or specified on the drawings. Use sand placed in 6-inch maximum layers to refill overdepths to the proper grade.

Grade bottom of trenches accurately to provide uniform bearing and support for each section of utility on undisturbed soil, or bedding material as indicated or specified at every point along its entire length except for portions where it is necessary to excavate for bell holes and for making proper joints. Dig bell holes and depressions for joints after trench has been graded.

- B. Dimensions of bell holes shall be as required for properly making the particular type of joint to ensure that the bell does not bear on the bottom of the excavations. Trench dimensions shall be as indicated or specified.
- C. The Water agencies' Standards specifications for trenching and backfill shall be used for fire service main installations.

#### **3.02 GENERAL BEDDING**

- A. Shall be of the materials and depths as indicated for the utility and utility structures. Place bedding in 6-inch maximum loose lifts to 1 foot above utility unless otherwise specified. Ensure that initially placed material is tamped firmly under pipe haunches. Bring up evenly on each side and along the full length of the structure. Ensure that no damage is done to structures or their protective coatings. Provide uniform and continuous support for each section of structure except bell holes or depressions necessary for making proper joints.

#### **3.03 BURIED WARNING AND IDENTIFICATION TAPE**

- A. Install tape in accordance with manufacturer's recommendations except as modified herein. Bury tape 6 inches below finished grade; under pavements bury tape 6 inches below top of subgrade.



### 3.04 GENERAL BACKFILLING

- A. Place backfill on top of bedding material in 8-inch maximum loose lifts unless otherwise specified. Compact each loose lift as specified in paragraph "General Compaction" before placing the next lift. Do not backfill where the material in the trench is muddy, except as authorized. Where settlements greater than the tolerance allowed herein for grading occur in trenches and pits due to improper compaction, excavate to the depth necessary to rectify the problem, then backfill and compact the excavation as specified herein and restore the surface to the required elevation. Coordinate backfilling with testing of utilities: Complete all testing for utilities before backfilling.

### 3.05 GENERAL COMPACTION

- A. Use hand-operated, plate-type, vibratory, or other suitable hand tampers in areas not accessible to larger rollers or compactors. Avoid damaging pipes and protective pipe coatings. Compact material in accordance with the following unless otherwise specified. If necessary, alter, change, or modify selected equipment or compaction methods to meet specified compaction requirements.
- B. Compaction of Bedding and Backfill: Compact bedding and backfill material surrounding pipes to 90% of ASTM D1557 maximum density. Compact top 12-inches of bedding and backfill material to 95% under pavements.

### 3.06 SPECIAL EARTHWORK INSTALLATION REQUIREMENTS

- A. Grading: Finish to grades indicated within 0.05 foot. Grade areas to drain water away from structures. Grade existing grades that are to remain but have been disturbed by the Contractor's operations.
- B. Protection of Surfaces: Protect newly graded areas from traffic, erosion, and settlements that may occur due to construction activity. Repair or reestablish damaged grades, elevations, or slopes.
- C. Repair: Repair pavement, curbs, and gutters damaged during construction with new improvements. Do not repair pavement until trench or pit has been backfilled and compacted as herein specified. Provide a temporary road surface of gravel or crushed stone over the backfilled portion until permanent pavement is repaired. Remove and dispose of temporary road surface material when permanent pavement is placed.

### 3.08 SOIL TESTING

- A. Soil testing during pipeline construction shall be performed by a Geotechnical Testing Laboratory. Reference Section 01430, "Quality Control" for specific requirements. Materials and operations under this Section shall be monitored by qualified Geotechnical Laboratory personnel under the direction of a (Geotechnical! Engineer. In general, one field density test shall be made per lift for every 50 feet of trench backfill, unless directed otherwise by the Geotechnical Engineer.
- B. The Geotechnical Engineer shall make random field density tests of the compacted backfill to provide a basis for expressing an opinion as to whether the backfill material is compacted as specified. The basis for this opinion shall be that no tests in compacted or re-compacted backfill areas indicate a relative compaction of less than that specified. Density tests shall be made in the compacted materials below any disturbed surface. When these tests indicate that the density of any lift or portion thereof is below that

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specified, the particular layer or areas represented by the test shall be reworked until the specified density has been achieved.

- C. The Contractor shall be responsible for any rework necessary to achieve the specified densities to the satisfaction of the Geotechnical Engineer.

**END OF SECTION**

**SECTION 02233**

**GRADED CRUSHED AGGREGATE BASE COURSE FOR PAVEMENTS**

**PART 1 GENERAL**

**1.01 SUMMARY**

The work includes placement of Class 2 aggregate base course for pavements as indicated.

**1.02 REFERENCES**

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

**A. Standard Specifications**

1. California Department of Transportation (CalTrans) Standard Specification, 2006 Edition.

**B. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)**

- |            |  |
|------------|--|
| ASTM C136  | (1993) Sieve Analysis of Fine and Course Aggregates  |
| ASTM 01556 | (1990) Density and Unit Weight of Soil in Place by the Sand Cone Method  |
| ASTM 01557 | (2002) Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft (2,700 kN - m/m)) |
| ASTM 02172 | (1993) Quantitative Extraction of Bitumen from Bituminous Paving Mixtures                                      |

**1.03 SUBMITTALS**

Certificates Of Compliance for Class 2 Aggregate Base Course.

**1.04 QUALITY ASSURANCE**

Materials and workmanship specified herein with the referenced CalTrans Standard Specifications shall be in accordance with the referenced articles, sections and paragraphs of the standard except that contractual and payment provisions do not apply.

**1.05 SITE INSPECTION AND LOCATION OF EXISTING ON-SITE UTILITIES:**

Prior to all work of this Section, carefully inspect the entire site and all existing items to be demolished and removed or to be left intact and determine an orderly sequence for the performance of this work Exact locations and alignment of existing buried utility lines are not known. Locate all existing utility lines and determine the requirements for disconnection and capping. Locate all active utilities traversing the area of work to be retained and determine the requirements for protection. Locate all points of connection and crossings by potholes and determine exact horizontal and vertical location prior to commencing the work.

**1.06 PROTECTION**

- A. Protection and Restoration of Surface: Protect newly graded areas from traffic, erosion, and settlements. Repair and reestablish damaged or eroded slopes, elevations or grades and restore surface construction prior to acceptance. Provide erosion control to prevent water-borne soil from leaving the work area by means of sand bags or fiber rolls. The Contractor shall be responsible to clean up any soil deposited in the parking lot, public

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right-of-way or on adjacent property. The Contractor shall be responsible to protect storm drain catch basins with sand bags and to prevent sediment from entering the storm drain system during construction.

1.07 RELATED WORK IN OTHER SECTIONS

The following work specified in other sections applies to the work of this Section, including but not limited to:

- A. Section 02100, "Site Clearing".
- B. Section 02200, "Earthwork for Structures and Pavements".
- C. Section 02510, "Asphalt Concrete Paving."
- D. Division 1.

1.08 SAFETY DURING CONSTRUCTION

The Contractor shall assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property. This requirement shall be made to apply continuously and not be limited to normal working hours. Refer to Part Three of this Section and Division 1 for additional requirements.

**PART 2 PRODUCTS**

2.01 MATERIALS

- A. Aggregates Base Course
  - 1. Aggregate Base Course Materials shall comply with Section 26-1.02A of the CalTrans Standard Specifications for 3/4" maximum aggregate.

**PART 3 EXECUTION**

3.01 PREPARATION

Subgrade: Requirements for subgrade are specified in Section 02200, "Earthwork for Structures and Pavements". Prior to construction of base course, clean previously constructed subgrade of foreign substances.

3.02 INSTALLATION

- A. Aggregate Base Course (Class 2) Installation: Place aggregate base in accordance with requirements of Section 26 of the CalTrans Standard Specifications. Grade and compact in layers to at least 95% of maximum density (ASTM 0-1557). Maintain base course in proper condition until Portland cement concrete is in place, including drainage, rolling, shaping, and watering. Maintain sufficient moisture at the surface to prevent a dusty condition by light sprinkling with water. Recondition, reshape, and recompact areas of completed base course damaged in accordance with the specified requirements.
- B. Aggregate Base Course thickness shall be as indicated.

3.03 FIELD QUALITY CONTROL

Soil testing during construction shall be performed by a Geotechnical Testing Laboratory as specified in Section *01300* "Testing and Inspection".

All material testing shall be performed by the Geotechnical Engineer. The following tests shall be performed:

- A. Base Course Finish Surface: Surface tolerance shall conform to Section 26 of the CalTrans Standard Specifications. When base course is constructed in more than one layer, specified smoothness requirements apply only to top surface.
- B. Gradation: Perform base course gradation test in accordance with ASTM C136. Make one test for each 500 tons of material.
- C. Base Course Density: Perform in place density tests in accordance with ASTM 01557. Make one maximum density test for each gradation. Make one set of two tests each for in place density for each 200 square yards of surface area. In place density of aggregate base course shall be at least 95% of the laboratory maximum density.

END OF SECTION

**SECTION 02511**

**ASPHALT CONCRETE PAVING**

**PART 1 - GENERAL**

1.01 SUMMARY

- A. Section includes: Asphaltic concrete paving as indicated on the Drawings and specified herein.
- B. Principal items of Work:
  - 1. Preparation of subgrade
  - 2. Soil sterilization
  - 3. Aggregate base course
  - 4. Asphaltic surfacing materials
  - 5. Mixing asphaltic concrete material
  - 6. Placing asphaltic concrete pavement
  - 7. ~~Flood test~~
  - 8. Seal coat
  - 9. Parking stall striping and markings.
  - 10. Redwood headers
  - 11. Carstops (when indicated on the Drawings only).
  - 12. Playcourt markings, painting.
- C. Related Sections:
  - 1. Storm Water Pollution Prevention Plan, Section 01355
  - 2. Earth subgrade preparation for asphaltic paving: Section 02200-Earthwork.
  - 3. Storm Drains and Drainage Structures, Section 02721
  - 4. Painting, Section 09900

1.02 PERFORMANCE REQUIREMENTS

- A. Establishment of Grades:

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1. The Contractor shall be responsible for finished elevation grade stakes and other surveying necessary for the layout of the Work.
2. Conduct operations in such a manner that the survey stakes shall be protected as long as their need exists. Be responsible for replacement of stakes.
3. Areas having drainage gradients of 2% or more shall have elevation stakes, set with instrument, at grid intervals of 25 feet. Intermediate stakes may be set by using a tightly-drawn string line over the tops of adjacent stakes. Grade stakes must be set at all grade breaks, grade changes, etc.
4. Areas having drainage gradients of less than 2 percent shall have elevation stakes, set with instrument, at 10 foot intervals. Grade stakes must be set at all grade breaks, grade changes, etc.

1.03 SUBMITTALS:

- A. Provide the following:
  1. Material Compliance Data Specifications.
  2. Material Safety Data Specifications.
  3. Copy of Installer's license.
  4. Sterilization application data and purchase receipt.
  5. Sample of aggregate for testing, if requested by engineer.
  6. Data Sheets for seal coat and paint.

1.04 QUALITY CONTROL SUBMITTALS

- A. Testing and Control of Materials:
  1. Material shall meet the requirements specified herein. Laboratory tests of all of the materials will be required. If such tests meet the specified requirements, the laboratory test fees shall be paid by the Owner. If cost of subsequent tests fail to meet specified requirements, the costs of such tests shall be paid by the Contractor, and the Contractor shall immediately rectify the deficiency. Refer to Section 01410.
  2. The Owner's inspector shall test the temperature of each batch of asphaltic concrete prior to placement. If asphaltic concrete temperature is not within tolerances as set forth in this Section of the Specifications the affected batch shall be rejected. Any and all costs due to the rejected asphaltic concrete shall be the responsibility of the paving contractor.

1.05 PROJECT SITE CONDITIONS

- A. Protect existing installations: Such installations, which are shown on the plan or whose location could be reasonably inferred and which become damaged or broken by the operations, shall be repaired or replaced at no cost to Owner.

**PART 2 - MATERIALS**

2.01 MATERIALS

- A. Soil Sterilization: The soils sterilant shall be in accordance with current EPA acceptable standard and the California Department of Pesticide Regulations for soils sterilant. Sterilant shall be selected as appropriate for the environment in which is it to be placed. Contractor shall be licensed with the State of California to apply sterilant. Sterilant shall be commercial grade for commercial application. Contractor may obtain a list of acceptable sterilants from the District prior to bidding project.
- B. Base and Aggregate Base:
  - 1. Base and Aggregate base shall conform to the State of California, Department of Transportation (CALTRANS) Standard Specifications, Current Addition. All base, whether called out as aggregate base or base shall be in conformance with CALTRANS Section 26 for Class 2 Aggregate Base, 3/4-inch maximum, with the exception of the percentage of recycled material. The maximum percentage of recycled material allowable shall not exceed 50% of the total volume of aggregate used.
  - 2. Base and Aggregate Base shall be provided by a licensed commercial materials supplier. Certifications shall be submitted with each submittal. Use of on-site asphalt materials in aggregate base or base is strictly prohibited. The use of Crushed Miscellaneous Base is strictly prohibited.
- C. Crack Repair- All cracks 3/8" to 1" in width shall be cleaned of all vegetation and loose material to a depth equal to or greater than the width of the crack. Immediately prior to the placement of the rubberized crack fill material, the cracks shall be heat lanced using heat lancing equipment such as the CRAFCO Hot Air lance or the SEALMASTER CrackPro Turbo or equal. The new rubberized material will then be placed using CRAFCO Parking Lot Sealant No. 34200 (or equal) per the manufacturer's recommendations. Crack fill material will not be allowed to be placed using gravity fed pots but must be placed using pressurized equipment or squeegees to ensure that the material is forced into the crack. The finished crack fill material shall be at the same elevation as the adjacent asphalt. Any crack filled areas that become depressed in excess of 1/4" will have additional crack fill material placed to fill the depressed areas.
- D. Asphalt Concrete: Shall be produced by a commercial asphalt paving plant. Mineral aggregate and asphalt concrete production shall conform to the locally prevailing State Standard Specifications.



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1. Paving asphalt shall be according to page 64, and shall meet the requirements set forth in The Asphalt Institute publication PCD-7, Asphalts - Paving, Liquid and Emulsified.
2. The aggregate gradation shall be proportioned by weight within the following sieve size limits:

<u>Square Openings</u>	<u>Percentage Passing</u>
3/4"	100
1/2"	90-100
3/8"	75-90
No. 4	53-68
No. 8	40-50
No. 30	20-32
No. 200	3-8

D. Seal Coat shall be one of the following:

1. Guardtop
2. GoldStar Gold Coat HP310
3. Overkote

E. All stripes and markings shall be painted with two (2) coats of pavement parking paint by Dunn-Edwards, W-801 Traffic Paint. Paint curb red at fire lanes. Asphaltic concrete seal coat shall be in place a minimum of 10 days before applying paint.

1. ICI 160 Vinyl Traffic Paint
2. Dunn-Edwards W-801 Traffic Paint
3. Frazee 502 Vinyl Traffic Paint
4. Morton Traffic Markings
5. Painted lines and marking on pavements to be 3 inches minimum in width and playground white. Paint to be slip resistant and provide a minimum 0.6 static coefficient of friction.

F. Redwood headers shall be 2 inch by 8 inches construction heart grade redwood except that the headers on curves shall be laminated 1 inch by 8 inches. Use 18 inch steel stakes to secure headers at 24 inches on center.

**PART 3 - EXECUTION**

3.01 FINAL PREPARATION OF SUBGRADE

A. Immediately prior to placing base or aggregate base, the subgrade shall be scarified to a depth of at least 12 inches, moistened, and the entire area thoroughly

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compacted by rolling to obtain a smooth, hard, even surface of 95 percent compaction at bus drop off and fire lane and 90 percent compaction elsewhere to receive the base or aggregate base. The subgrade shall be finished to the required grades with due allowance being made for the thickness of base course and finished surfacing to be placed thereon.

- B. Subgrade for the pavement structures shall not vary more than  $\pm 0.04$  feet from the specified grade and cross section.
- C. Areas inaccessible to power rolling or areas that cannot be compacted properly with power rollers shall be compacted with vibrating compactors or other suitable mechanical means which shall produce a firm foundation for the paving structure.

3.02 SOIL STERILIZATION

- A. The Contractor shall take whatever precautions are necessary to prevent contamination of adjacent soil areas with sterilant and for the protection of personnel. Sterilant shall not be applied within two feet of planting areas.
- B. Certification shall be furnished to the Architect, showing the purchase receipt and rate of application of the material. Payment for soil sterilization will include full compensation for application and all materials and incidental work required.

3.03 AGGREGATE BASE OR BASE

- A. The base material shall be placed upon the finished subgrade after the subgrade has been properly prepared as herein specified. The base shall be wetted and compacted. Compaction shall be obtained by use of an approved power roller weighing not less than 10 tons. The quantity of water applied shall be that amount which shall assure optimum moisture under proper compaction, resulting in a relative compaction of not less than 95 percent, care being exercised in connection with the watering operations to avoid wetting the subgrade to a detrimental extent. The base material shall be of the thickness indicated on the plans upon final compaction. The finished surface shall be hard, uniform, and smooth and shall conform to the lines, grades, and cross section shown on the drawings.

3.04 DEFINITIONS

- A. For the purpose of compacting procedures the following definitions are used:
  - 1. Initial or Breakdown Rolling: The first coverage of a roller on asphalt concrete after the material has been placed to line and grade.
  - 2. Intermediate Rolling: The rolling performed immediately after the initial rolling. When completed, the pavement should meet job density requirements.
  - 3. Compaction Rolling: Including initial and intermediate rolling.

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4. Finish Rolling: The final rolling necessary to obtain the desired surface texture and eliminate roller marks. No further densification is anticipated in this operation.
  5. Coverage: The number of movements of a roller required to cover the entire width being paved at least once.
  6. Steel-Wheel Roller: A 2-wheel steel tandem roller weighing 8 to 10 tons.
  7. Pneumatic-tired Roller: A rubber-tired roller equipped with tires a minimum 7.50 x 15 in size, capable of being ballasted up to 12 tons.
  8. Vibratory Roller: A vibratory roller capable of imparting a dynamic force of at least 21,000 pounds.
  9. Maximum Laboratory Density: Density achieved on a sample of a material taken from a specific location at the job site under working conditions. This density can be obtained using the California Kneading Compactor per Test Method No. Cal. 304.
- B. Prior to paving, furnish manufacturer's certificates or literature demonstrating that rollers meet requirements specified above. Prior to paving, state which procedure will be used and do not change that procedure without the Engineer's approval.

3.05 PRIMARY LIFT SPREADING AND COMPACTION

- A. Asphalt concrete in excess of 2 inches in thickness, shall be placed in two (2) lifts, a primary lift, and a surface course. Surface Course shall be a minimum of 1 inch thick.
- B. Asphalt concrete shall be delivered to the project site at a temperature of not less than 260 degrees F. nor more than 320 degrees F.
- C. The depositing, distributing, and spreading of asphalt concrete shall be accomplished in a single, continuous operation by means of a self-propelled paving machine, motor grader, spreader box, rock spreader, or similar equipment.
- D. Prior to spreading, a tack coat shall be applied to the vertical face of all curbs, gutters, and structures which will butt against the new pavement. A tack coat is required between courses if surface has been contaminated by dirt or oxidized by extended exposure. A diluted SS-type emulsion shall be used for tack coat and shall meet the requirements set forth in The Asphalt Institute publication PCD-7, Asphalts - Paving, Liquid and Emulsified.
- E. Certification: Provide certification that the asphalt aggregate mixture has at least 80 percent of compacted density values equal to or greater than 96 percent - and 100 percent equal to or greater than 95 percent - of a laboratory specimen prepared by the appropriate test method from a sample taken from a truck delivering mixture to the job site. Field density of compacted asphalt concrete shall be determined by:

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1. A properly calibrated nuclear asphalt testing device in the field, or
  2. ASTM D-1188 when slabs or cores are taken for laboratory testing. Zinc stearate may be substituted for paraffin.
  3. In case of dispute, the procedure described under Sub-Item E (2.) above shall be used. Combination of rollers shall be allowed under this procedure.
- F. Steel-Wheel and Pneumatic: Apply a breakdown (initial) coverage with a steel-wheel roller loaded to 10 tons. Follow by intermediate rolling consisting of a minimum of 6 coverages of a pneumatic-tired roller, the tires being inflated a minimum of 60 psi cold and a maximum of 90 psi when hot. Finish rolling may consist of one coverage of an 8-ton tandem steel-wheel roller.
- G. Steel Wheel: Apply a minimum of eight coverages with a steel-wheel roller loaded to 10 tons.
- H. Vibratory: Compaction shall consist of at least six coverages with a vibratory roller. Rolling from the center to the edge shall be permitted, and all compaction rolling shall be accomplished before the mix temperature falls below 185 degrees F. Rolling shall commence at least one foot from edge of the mat after which the roller shall be gradually advanced to the edges. Within one foot of edge, the roller on its initial coverage shall advance to the edge in 4-inch increments. The roller shall be advanced to a supported edge first, if applicable. Rolling within one foot of an unsupported edge should be delayed to minimize possible distortion but completed at such time that proper densities are obtained after the completion of rolling. No roller shall be permitted to stand motionless on portion of the work before it has been properly compacted.

3.06 SURFACE COURSE SPREADING AND COMPACTION

- A. Surface course shall be 1-inch thick.
- B. At the time of delivery to the site of work, the temperature of mixture shall not be lower than 260 degrees F. , or higher than 320 degrees F. Asphalt concrete shall not be placed when the atmospheric temperature is below 40 degrees F. or during unsuitable weather.
- C. The asphalt concrete shall be evenly spread upon the subgrade or base to such a depth that after rolling, it shall be of the specified cross section and grade of the course being constructed.
- D. The depositing, distributing, and spreading of the asphalt concrete shall be accomplished in a single, continuous operation by means of a self-propelled mechanical spreading and finishing machine designed especially for that purpose and equipped with a screed or strike-off assembly capable of being accurately regulated and adjusted to distribute a layer of the material to a definite predetermined thickness.

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- E. Spreading, once commenced, must be continued without interruption. No greater amount of the mixture shall be delivered in one day than can be properly distributed and rolled during that day.
- F. Compaction is the same as outlined in Paragraph 3.05, except as noted below:
  - 1. Steel-Wheel and Pneumatic: Apply a breakdown (initial) coverage with a steel-wheel roller loaded to 10 tons. Follow by intermediate rolling consisting of a minimum of four coverages of a pneumatic-tired roller, the tires being inflated a minimum of 60 psi cold and maximum of 90 psi when hot. Finish rolling may consist of one coverage of an 8-ton tandem steel-wheel roller.
  - 2. Steel-Wheel: Apply a minimum of six coverages with a steel-wheel roller loaded to 10 tons.
  - 3. Vibratory: Compaction shall consist of at least four coverages with a vibratory roller.
- G. As soon as the layer of asphalt concrete has been placed, it shall be thoroughly compacted by rolling. Rolling shall be commenced along the lower edge of the area to be rolled and shall be continued until the edge is thoroughly compacted, after which the roller shall be gradually advanced to the crown point, both sides being rolled in a like manner. Rolling shall be continued until the layer has become thoroughly compacted throughout and is true to grade and cross-section.
- H. Maintain rollers in good mechanical condition, and those that cannot be operated without jerking, or driven along a straight path, shall not be used. No leakage of petroleum products from roller shall be allowed to come in contact with the pavements being constructed, nor shall roller be permitted to stand motionless on portion of the work before it has been properly compacted.

Rolling surfaces shall be treated with water to prevent the adherence of the asphalt concrete, but the quantity used must not be such as to be detrimental to the surface being rolled.

3.07 REDWOOD HEADERS

- A. The headers shall be placed with the tops flush with the asphaltic concrete surface at all edges of the pavement except where it abuts against rigid structures, curbs, or gutters. The headers shall be backed by and nailed to 18 inch long stakes with 12 penny galvanized common nails. The redwood stakes shall be spaced not over 2 feet apart and shall be driven into the ground so that the tops are 1/2-inch below the tops of headers.

3.08 FLOOD TESTING

- A. Flood Test: Before seal coat is applied, a water flood test shall be done in the presence of the Inspector. The flooding shall be done by water tank truck. Depressions where the water ponds to a depth of more than 1/8-inch shall be filled,

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or the slope corrected to provide proper drainage. The edges of the fill shall be feathered and smoothed so that the joint between the fill and the original surface is invisible.

- B. Seal Coat: After completing the flood test and the pavement and pavement patches have **cured for 30 days**, all A.C. pavement per plans shall receive a slurry sealer applied in accordance with the manufacturer's specifications.
1. Areas to receive sealer shall be swept clean, and, before application, lightly sprayed with water, leaving it cool and damp but free of excess water.
  2. Make a minimum of two or three applications using a total of at least 60 gallons of sealer (before dilution) per 1,000 square feet of area.
  3. Each coat of sealer shall be thoroughly dry before the succeeding coat is applied.
  4. The finished surface seal, when dry and thoroughly set, shall be smooth, tough, waterproof, resilient, of uniform black color, and free from coarse textured areas, lap marks, ridges, and other surface irregularities. Should defect appear in the finished surface, apply as many additional coats of sealer as may be required to produce the specified finished surface at no additional cost. Protect from traffic during all operations and until the sealer is thoroughly set and cured and does not pick up under foot or wheeled traffic. When cured and set, thoroughly wash off with water to remove excess residue before applying painted markings.
  5. Repair any damage caused by construction traffic.

3.09 BASKETBALL COURTS

- A. Place asphalt paving over foundation of basketball standards. Hold top of foundation down, equal to thickness of asphalt and base course.

3.10 STRIPING

- A. Pavement Marking Paint: Vinyl acrylic type for use on asphaltic concrete and Portland cement concrete. Pavement Marking Paint: Vinyl acrylic type for use on asphaltic concrete and Portland cement concrete. Painted lines and markings on pavement shall be 3" minimum wide and playground white.
- B. Preparation:
1. Immediately before applying the paint, thoroughly clean the pavement surface of dust, dirt, sand, scale, water, oil, grease or other objectionable matter. Do not use solvent materials that will damage pavements as cleaning agent. Immediately before paint, give pavement surface a final cleaning by means of a power broom. Following the power brooming, use power blower containing compressed air.

2. Provide warning devices required to protect the painting operations and the finished work.
- C. Application: Immediately following other preparation of the pavement surface, apply the striping at the rate of 100 to 110 square feet, per gallon of paint. Apply lines 3 inches wide unless otherwise indicated. Apply the stripe of the indicate or specified width with clean true edges and without sharp breaks. Repaint to the applicable specification portions of the stripe damaged by any type of traffic within 24 hours after the stripe has been applied.

3.11 CLEANUP

- A. Clean up the paved areas prior to acceptance of the work. Dirt, spoil, and debris of nature shall be removed, and the entire site shall present a clean, workmanlike appearance.
- B. Damage to paint work from paving or seal-coating operations shall be corrected.

**END OF SECTION**