

25.5.3. Every such apprentice shall be paid the standard wage paid to apprentices under the regulations of the craft or trade at which he/she is employed, and shall be employed only at the work of the craft or trade to which she/he is registered.

25.5.4. Only apprentices, as defined in section 3077 of the Labor Code, who are in training under apprenticeship standards and written apprentice agreements under chapter 4 (commencing at section 3070), division 3, of the Labor Code, are eligible to be employed. The employment and training of each apprentice shall be in accordance with the provisions of the apprenticeship standards and apprentice agreements under which he/she is training.

25.5.5. Pursuant to Labor Code section 1777.5, if that section applies to this Contract as indicated above, Contractor and any Subcontractors employing workers in any apprenticeable craft or trade in performing any Work under this Contract shall apply to the applicable joint apprenticeship committee for a certificate approving the Contractor or Subcontractor under the applicable apprenticeship standards and fixing the ratio of apprentices to journeymen employed in performing the Work.

25.5.6. Pursuant to Labor Code section 1777.5, if that section applies to this Contract as indicated above, Contractor and any Subcontractor may be required to make contributions to the apprenticeship program.

25.5.7. If Contractor or Subcontractor willfully fails to comply with Labor Code section 1777.5, then, upon a determination of noncompliance by the Administrator of Apprenticeship, it shall:

25.5.7.1. Be denied the right to bid on any subsequent project for one (1) year from the date of such determination;

25.5.7.2. Forfeit as a penalty to District the full amount as stated in Labor Code section 1777.7. Interpretation and enforcement of these provisions shall be in accordance with the rules and procedures of the California Apprenticeship Council and under the authority of the Chief of the Division of Apprenticeship Standards.

25.5.8. Contractor and all Subcontractors shall comply with Labor Code section 1777.6, which section forbids certain discriminatory practices in the employment of apprentices.

25.5.9. Contractor shall become fully acquainted with the law regarding apprentices prior to commencement of the Work. Special attention is directed to sections 1777.5, 1777.6, and 1777.7 of the Labor Code, and title 8, California Code of Regulations, section 200 et seq. Questions may be directed to the State Division of Apprenticeship Standards, 455 Golden Gate Avenue, San Francisco, California 94102.

25.5.10. Contractor shall ensure compliance with all certification requirements for all workers on the Project including, without limitation, the requirements for electrician certification in Labor Code section 108, et seq.

25.6. Non-Discrimination

25.6.1. Contractor herein agrees not to discriminate in its recruiting, hiring, promotion, demotion, or termination practices on the basis of race, religious creed, national origin, ancestry, sex, age, or physical handicap in the performance of this Contract and to comply with the provisions of the California Fair Employment and Housing Act as set forth in part 2.8 of division 3 of the California Government Code, commencing at section 12900; the Federal Civil Rights Act of 1964, as set forth in Public Law 88-352, and all amendments thereto; Executive Order 11246, and all administrative rules and regulations found to be applicable to Contractor and Subcontractor.

25.6.2. Special requirements for Federally Assisted Construction Contracts: During the performance of

this Contract, Contractor agrees to incorporate in all subcontracts the provisions set forth in Chapter 60-1.4(b) of Title 41 published in Volume 33 No. 104 of the Federal Register dated May 28, 1968.

25.7. Labor First Aid

Contractor shall maintain emergency first aid treatment for Contractor's workers on the Project which complies with the Federal Occupational Safety and Health Act of 1970 (29 U.S.C. § 651 et seq.), the California Occupational Safety and Health Act of 1973, and all related regulations, including without limitation sections 330 et seq. of Title 8 of the California Code of Regulations.

25.8. Skilled and Trained Workforce Requirement

25.8.1. Contractor is familiar with the hiring requirements set forth in Education Code section 17407.5, and as a condition of entering into this Facilities Lease, Contractor understands and agrees that Contractor and its Subcontractors at every tier will use a skilled and trained workforce, as defined in Education Code section 17407.5, to perform all Work on the Project that falls within an apprenticeshipable occupation in the building and construction trades.

26. MISCELLANEOUS

26.1. Assignment of Antitrust Actions

Although this project may not have been formally bid, the following provisions may apply:

26.1.1. Section 7103.5(b) of the Public Contract Code states:

In entering into a public works contract or subcontract to supply goods, services, or materials pursuant to a public works contract, the Contractor or subcontractor offers and agrees to assign to the awarding body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. § 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, made and become effective at the time the awarding body tenders final payment to the Contractor, without further acknowledgment by the Parties.

26.1.2. Section 4552 of the Government Code states:

In submitting a bid to a public purchasing body, the bidder offers and agrees that if the bid is accepted, it will assign to the purchasing body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. § 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, materials, or services by the bidder for sale to the purchasing body pursuant to the bid. Such assignment shall be made and become effective at the time the purchasing body tenders final payment to the bidder.

26.1.3. Section 4553 of the Government Code states:

If an awarding body or public purchasing body receives, either through judgment or settlement, a monetary recovery for a cause of action assigned under this chapter, the assignor shall be entitled to receive reimbursement for actual legal costs incurred and may, upon demand, recover from the public body any portion of the recovery, including treble damages, attributable to overcharges that were paid by the assignor but were not paid by the public body as part of the bid price, less the expenses incurred in obtaining that portion of the recovery.

26.1.4. Section 4554 of the Government Code states:

Upon demand in writing by the assignor, the assignee shall, within one year from such demand, reassign the cause of action assigned under this part if the assignor has been or may have been injured by the violation of law for which the cause of action arose and (a) the assignee has not been injured thereby, or (b) the assignee declines to file a court action for the cause of action.

26.1.5. Under this Article, "public purchasing body" is District and "bidder" is Contractor.

26.2. Excise Taxes

If, under Federal Excise Tax Law, any transaction hereunder constitutes a sale on which a Federal Excise Tax is imposed and the sale is exempt from such Federal Excise Tax because it is a sale to a State or Local Government for its exclusive use, District, upon request, will execute documents necessary to show (1) that District is a political subdivision of the State for the purposes of such exemption, and (2) that the sale is for the exclusive use of District. No Federal Excise Tax for such materials shall be included in any Guaranteed Project Cost.

26.3. Taxes

Guaranteed Project Cost is to include any and all applicable sales taxes or other taxes that may be due in accordance with section 7051 of the Revenue and Taxation Code; Regulation 1521 of the State Board of Equalization or any other tax code that may be applicable.

26.4. Shipments

All shipments must be F.O.B. destination to Site or sites, as indicated in the Contract Documents. There must be no charge for containers, packing, unpacking, drayage, or insurance. The total Guaranteed Project Cost shall be all inclusive (including sales tax) and no additional costs of any type will be considered.

EXHIBIT E
TO
FACILITIES LEASE

MEMORANDUM OF COMMENCEMENT DATE

**[TO BE ENTERED INTO AFTER CONSTRUCTION IS COMPLETE TO
COMMENCE DISTRICT OCCUPANCY OF THE FACILITIES AND TO START
THE LEASE TERM.]**

This MEMORANDUM OF COMMENCEMENT DATE is dated _____, 20____, and is made by and between **BHM Construction, Inc.** ("Contractor"), as Lessor, and the **Alameda Unified School District** ("District"), as Lessee.

1. Contractor and District have previously entered into a Facilities Lease dated as of _____, 20____, (the "Lease") for the leasing by Contractor to District of the Project Site(s) and Project in _____, CA, referenced in the Lease.

2. District hereby confirms the following:

A. That all construction of the Project required to be performed pursuant to the Facilities Lease has been completed by Contractor in all respects;

B. That District has accepted and entered into possession of the Project and now occupies same; and

C. That the term of the leaseback period in the Facilities Lease commenced on _____, 20____, and will expire at 11:59 P.M. on _____, 20____.

IN WITNESS WHEREOF, the Parties have accepted and agreed to this Memorandum of Commencement Date, as of the date indicated above, and have directed and authorized their respective officers to execute this Memorandum of Commencement Date:

Alameda Unified School District

Signature: _____

Print Name: _____

Print Title: _____

BHM Construction, Inc.

Signature: _____

Print Name: _____

Print Title: _____

EXHIBIT F
TO
FACILITIES LEASE

CONSTRUCTION SCHEDULE

[INCLUDE THIS FIRST PARAGRAPH IF CONTRACTOR PERFORMS PRELIMINARY SERVICES AND PARTIES AMEND FOR GPC]: IF THE PARTIES AGREE TO A GUARANTEED PROJECT COST AND AMEND THE CONTRACT, THE PARTIES SHALL ALSO AMEND THIS EXHIBIT AND INCLUDE THE CONSTRUCTION SCHEDULE PREPARED BY THE CONTRACTOR AND AGREED TO BY THE DISTRICT PURSUANT TO THE CONTRACT.

Preliminary Services. The schedule for the Preliminary Services is as follows:

- Contractor shall commence the Preliminary Services on or before **October 27, 2021**, and
- Contractor shall complete the Preliminary Services on or before **November 30, 2021**.

Construction Schedule. The Construction Schedule is as follows:

- It is hereby understood and agreed that assuming the District issues a Notice to Proceed for the Project on or before **TBD**, then:
 - District shall have Beneficial Occupancy of the Project on or before **TBD**, and
 - Project Completion shall be on or before **TBD**.
- In addition to the general parameters above for the Construction Schedule, attached is a detailed Project Construction Schedule with a duration no longer than the Contract Time, and with specific milestones that Contractor shall meet.

EXHIBIT G
TO
FACILITIES LEASE

SCHEDULE OF VALUES

Attached is a detailed Schedule of Values that complies with the requirements of the Construction Provisions (Exhibit D) and that has been approved by the District.

IF THE PARTIES AGREE TO A GUARANTEED PROJECT COST AND AMEND THE CONTRACT, THE PARTIES SHALL ALSO AMEND THIS EXHIBIT AND INCLUDE THE SCHEDULE OF VALUES PREPARED BY THE CONTRACTOR AND AGREED TO BY THE DISTRICT PURSUANT TO THE CONTRACT.

EXHIBIT H
TO
FACILITIES LEASE

SUBCONTRACTOR PROCUREMENT PROCESS

If the District issues an RFP or RFQ/P and requires the Contractors to submit a final price for this Project at the time it is competing against other Contractors, the Contractor shall comply with the subcontractor prequalification requirements of Education Code section 17406 (a)(1)(C) and may otherwise select subcontractors based on their own reasonable and non-discriminatory process.

If the District issues an RFQ or RFQ/P and selects one Contractor who will later provide a final price for this Project, that Contractor shall, in addition to all legal requirements, including without limitation Education Code section 17406, take the following steps when the District directs the Contractor to procure Subcontractors so that Contractor can provide a final lump sum Guaranteed Project Cost ("GPC") for construction of the Project.

1. **Subcontractor Bid Packages.** Contractor shall prepare separate and specific Subcontractor bid packages that include all scope(s) of construction Work included in the Plans and Specifications.
2. **Public Notice.** Contractor shall provide notice of bidding for Subcontractors "in accordance with the publication requirements applicable to the District's competitive selection process" to solicit Subcontractors in compliance with statutory requirements and the District's process. (Education Code §17406.)
3. **District Review of Bid Packages and Notice.** At least fourteen (14) days prior to the bidding of Subcontractor bid packages, Contractor shall provide the District with a copy of the written notice it will publish (including newspaper advertising) to solicit Subcontractors. The District reserves the right to request that Contractor reasonably revise its published notice.
4. **Three Bona Fide Bids.** Contractor is required to receive at least three (3) bona fide bids from Subcontractors for all scopes of Work on the Project that constitute more than three percent (3%) of the total Project scope of Work. Prior to the Contractor seeking bids, the District may, in its sole discretion, and upon Contractor's written request, authorize Contractor to utilize a different minimum number of bona fide bids from Subcontractors.
5. **Prequalification.** Contractor's Subcontractors performing work valued in excess of $\frac{1}{2}$ of 1% of the GPC must comply with the following:
 - a. **MEP Prequalification.** If the Project has electrical, mechanical, and plumbing components that will be performed by subcontractors performing under the following license classification(s) (C-4, C-7, C-10, C-16, C-20, C-34, C-36, C-38, C-42, C-43, and/or C-46; "MEP Subcontractor(s)"), and those MEP Subcontractors will be first-tier Subcontractors to the Contractor, those MEP Subcontractors must be prequalified with the District to be eligible to be included in a Contractor's proposal. MEP Subcontractors shall prequalify with the District utilizing the District's Prequalification Questionnaire. **The District highly recommends that the Contractor informs all of its potential MEP Subcontractors that must be prequalified to immediately complete the prequalification process to ensure their eligibility to be included as MEP Subcontractors for the Project.**
 - b. **Non-MEP Subcontractor Prequalification Criteria and Standards.** For this Project, Contractor may **NOT** prequalify non-MEP subcontractors solicited for work on this Project, unless the Contractor provides any prequalification or qualification criteria, process or questionnaire to the District for approval at least fourteen (14) days prior to the bidding of Subcontractor bid packages.

- c. **LIMIT ON "BEST VALUE" SELECTION.** CONTRACTOR ACKNOWLEDGES THAT THIS PROCESS – THE PREQUALIFICATION OR ANY ASSOCIATED QUALIFICATION PROCESS – IS THE ONLY "BEST VALUE" SELECTION PROCESS AS IDENTIFIED IN EDUCATION CODE SECTION 17406 THAT THE DISTRICT HAS APPROVED FOR THIS PROJECT. THE CONTRACTOR MAY REQUEST, AT LEAST FOURTEEN (14) DAYS PRIOR TO THE BIDDING OF SUBCONTRACTOR BID PACKAGES, THAT THE DISTRICT APPROVE OTHER SELECTION PROCESS(ES) OR CRITERIA THAT THE CONTRACTOR DESIRES TO IMPLEMENT ON THIS PROJECT. CONTRACTOR CAN ONLY IMPLEMENT THOSE IF THE DISTRICT PRE-APPROVES THEM.
6. **Open-Book / Bid Opening.** Contractor shall invite the District to attend all bid opening(s) for the Project and shall within 48 hours of the bid opening(s) provide copies or access to all bid documents provided by all Subcontractors.
7. **Missing Scopes of Work in Subcontractor Bids ("Bid Levelling").** When Contractor has received all Subcontractor bids, Contractor shall identify all scope(s) of construction Work for which Contractor did not receive a bid and provide a written justification as to why the scope(s) of construction Work was either not included in a Subcontractor bid or was not bid on ("Unbid Work"). The District expects very little if any Unbid Work, far less than 1% of the GPC. After the District reviews the Contractor's justification, the Parties shall meet and confer and the District shall reasonably determine, in its sole discretion, whether to:
- a. Direct the Contractor to rebid the Unbid Work; or
 - b. If Contractor requests, allow the Contractor to self-perform the Unbid Work. If Contractor self-performs the Unbid Work, Contractor shall provide substantiation for the pricing for the Unbid Work that Contractor intends to self-perform. The Parties shall negotiate in good faith to determine a reasonable price for the Unbid Work that Contractor intends to self-perform. The District reserves the right to seek its own pricing of that Work to verify the value of Contractor's proposed pricing.
8. **Low Bid.** Because the "best value" process was implemented as part of the Subcontractor procurement process, once the Contractor receives Subcontractor bids, the Contractor shall award subcontracts to subcontractors with the **lowest responsive, responsible bid** that have satisfied the above prequalification and/or qualification steps, as applicable.
9. **Self-Performing Construction Work.** If Contractor intends to propose to self-perform portion(s) of the construction Work, it must
- a. Receive the District's prior written approval.
 - b. Provide its pricing (its bid) to the District 48 hours prior to Contractor's receipt of Subcontractor bids for those portion(s) of the Work.
 - c. Receive a minimum number of two (2) bona fide bids from Subcontractors for scope(s) of Work that the Contractor is bidding to self-perform, not including the Contractor's pricing/bid.

EXHIBIT I
TO
FACILITIES LEASE

CERTIFICATES AND BONDS TO LEASE-LEASEBACK DOCUMENTS
AND
DIVISION 1 DOCUMENTS TO LEASE-LEASEBACK DOCUMENTS

Wood Middle School
HVAC Modernization Project

Alameda Unified School District
and
BHM Construction, Inc.

NONCOLLUSION DECLARATION
Public Contract Code § 7106

TO BE EXECUTED BY CONTRACTOR

The undersigned declares:

I am the _____ **[PRINT YOUR TITLE]**

of _____ **[PRINT FIRM NAME]**,

the party making the foregoing Contract.

The Contract is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The Contract is genuine and not collusive or sham. The Contractor has not directly or indirectly induced or solicited any other contractor to put in a false or sham bid. The Contractor has not directly or indirectly colluded, conspired, connived, or agreed with any contractor or anyone else to put in a sham proposal, or to refrain from proposing. The Contractor has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the Contract price of the Contractor or any other contractor, or to fix any overhead, profit, or cost element of the Contract price, or of that of any other contractor. All statements contained in the Contract and Contractor's proposal are true. The Contractor has not, directly or indirectly, submitted his or her Contract price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham proposal or contract, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a Contractor that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the Contractor.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on the following date:

Date: _____

Proper Name of Contractor: _____

City, State: _____

Signature: _____

Print Name: _____

Title: _____

(ATTACH NOTARIAL ACKNOWLEDGMENT FOR THE ABOVE SIGNATURE)

CERTIFICATIONS TO BE COMPLETED BY CONTRACTOR

THE UNDERSIGNED MUST CHECK EACH BOX AND EXECUTE THIS FORM AND HEREBY CERTIFIES TO THE GOVERNING BOARD OF THE DISTRICT THAT:

- He/she is a representative of the Contractor,
- He/she is familiar with the facts herein certified and acknowledged,
- He/she is authorized and qualified to execute this Agreement and these certifications on behalf of Contractor and that by executing this Agreement he/she is certifying the following items.

☐ **Labor Code Sections 1860-1861 (Workers' Compensation).** In accordance with Labor Code section 3700, every contractor will be required to secure the payment of compensation to his or her employees. I acknowledge and certify under penalty of perjury that 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.

☐ **Government Code Sections 8355-8357 (Drug-Free Workplace).** I acknowledge and certify under penalty of perjury that I will provide a drug-free workplace by doing all of the following:

- (1) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited in the person's or organization's workplace and specifying the actions that will be taken against employees for violations of the prohibition.
- (2) Establishing a drug-free awareness program to inform employees about all of the following:
 - (A) The dangers of drug abuse in the workplace.
 - (B) The person's or organization's policy of maintaining a drug-free workplace.
 - (C) Any available drug counseling, rehabilitation, and employee assistance programs.
 - (D) The penalties that may be imposed upon employees for drug abuse violations.
- (3) 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 also acknowledge that this Contract may be subject to suspension of payments under the contract or grant or termination of the contract or grant, or both, and the contractor or grantee thereunder may be subject to debarment, in accordance with the requirements of the above-referenced statute, if the contracting or granting agency determines that any of the following has occurred:

- (1) The contractor or grantee has made a false certification under Section 8355.
- (2) The contractor or grantee violates the certification by failing to carry out the requirements of subdivisions (a) to (c), inclusive, of Section 8355.

I also acknowledge that the Department of General Services shall establish and maintain a list of individuals and organizations whose contracts or grants have been canceled due to failure to comply with the above-referenced statute. This list shall be updated monthly and published each month. No state agency shall award a contract or grant to a person or organization on the published list until that person or organization has complied with the above-referenced statute.

☐ **Tobacco-Free Environment.** Pursuant to, without limitation, 20 U.S.C. section 6083, Labor Code section 6400

et seq., Health & Safety Code section 104350 et seq. and District Board Policies, all District sites, including the Project site, are tobacco-free environments. Smoking and the use of tobacco products by all persons is prohibited on or in District property. District property includes school buildings, school grounds, school owned vehicles and vehicles owned by others while on District property.

I acknowledge and certify under penalty of perjury that I am aware of the District's policy regarding tobacco-free environments at District sites, including the Project site and acknowledge and certify that I will adhere to the requirements of that policy and not permit any of my firm's employees, agents, subcontractors, or my firm's subcontractors' employees or agents to use tobacco and/or smoke on the Project site. The District also prohibits electronic cigarettes, "vaping" or similar product uses on District sites.



No Hazardous Materials. I acknowledge and certify under penalty of perjury that no Asbestos, or Asbestos-Containing Materials, polychlorinated biphenyl (PCB), or any material listed by the federal or state Environmental Protection Agency or federal or state health agencies as a hazardous material, or any other material defined as being hazardous under federal or state laws, rules, or regulations ("New Hazardous Material"), shall be furnished, installed, or incorporated in any way into the Project or in any tools, devices, clothing, or equipment used to affect any portion of Contractor's work on the Project for District. I have instructed our employees with respect to the above-mentioned standards, hazards, risks, and liabilities.

- (i) Asbestos and/or asbestos-containing material shall be defined as all items containing but not limited to chrysotile, crocidolite, amosite, anthophyllite, tremolite, and actinolite. Any or all material containing greater than one-tenth of one percent (.1%) asbestos shall be defined as asbestos-containing material. Any disputes involving the question of whether or not material is New Hazardous Material shall be settled by electron microscopy or other appropriate and recognized testing procedure, at the District's determination. The costs of any such tests shall be paid by Contractor if the material is found to be New Hazardous Material.
- (ii) All Work or materials found to be New Hazardous Material or Work or material installed with equipment containing "New Hazardous Material," will be immediately rejected and this Work will be removed at Contractor's expense at no additional cost to the District.

The Contractor must immediately notify the District within two (2) Business Days, if the Contractor finds and before it disturbs, any material that the Contractor believes may be hazardous waste, as defined in section 25117 of the Health and Safety Code, and requires removal to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law

I acknowledge and certify under penalty of perjury that this certification provides notice to the Contractor that:

- (1) The Contractor's work may disturb lead-containing building materials.
 - (2) The Contractor must notify the District if any work may result in the disturbance of lead-containing building materials.
-



Lead as a Health Hazard. Lead poisoning is recognized as a serious environmental health hazard facing children today. Even at low levels of exposure, much lower than previously believed, lead can impair the development of a child's central nervous system, causing learning disabilities, and leading to serious behavioral problems. Lead enters the environment as tiny lead particles and lead dust disbursts when paint chips, chalks, peels, wears away over time, or is otherwise disturbed. Ingestion of lead dust is the most common pathway of childhood poisoning; lead dust gets on a child's hands and toys and then into a child's mouth through common hand-to-mouth activity. Exposures may result from construction or remodeling activities that disturb lead paint, from ordinary wear and tear of windows and doors, or from friction on other surfaces.

Ordinary construction and renovation or repainting activities carried out without lead-safe work practices can disturb lead-based paint and create significant hazards. Improper removal practices, such as dry scraping, sanding, or water blasting painted surfaces, are likely to generate high volumes of lead dust.

Because the Contractor and its employees will be providing services for the District, and because the Contractor's work may disturb lead-containing building materials, **Contractor is hereby notified** of the potential presence of lead-containing materials located within certain buildings utilized by the District. All school buildings built prior to 1993 are presumed to contain some lead-based paint until sampling proves otherwise.

(i) **Overview of California Law**

Education Code section 32240 et seq. is known as the Lead Safe Schools Protection Act. Under this act, the Department of Health Services ("DHS") is to conduct a sample survey of schools in the State of California for the purpose of developing risk factors to predict lead contamination in public schools. (Ed. Code, § 32241.)

Any school that undertakes any action to abate existing risk factors for lead is required to utilize trained and state-certified contractors, inspectors, and workers. (Ed. Code, § 32243, subd. (b).) Moreover, lead-based paint, lead plumbing, and solders, or other potential sources of lead contamination, shall not be utilized in the construction of any new school facility or the modernization or renovation of any existing school facility. (Ed. Code, § 32244.)

Both the Federal Occupational Safety and Health Administration ("Fed/OSHA") and the California Division of Occupational Safety and Health ("Cal/OSHA") have implemented safety orders applicable to all construction work where a contractor's employee may be occupationally exposed to lead.

The OSHA Regulations apply to all construction work where a contractor's employee may be occupationally exposed to lead. The OSHA Regulations contain specific and detailed requirements imposed on contractors subject to that regulation. The OSHA Regulations define construction work as work for construction, alteration, and/or repair, including painting and decorating. It includes, but is not limited to, the following:

- a. Demolition or salvage of structures where lead or materials containing lead are present;
- b. Removal or encapsulation of materials containing lead;
- c. New construction, alteration, repair, or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead;
- d. Installation of products containing lead;
- e. Lead contamination/emergency cleanup;
- f. Transportation, disposal, storage, or containment of lead or materials containing lead on the site or location at which construction activities are performed; and
- g. Maintenance operations associated with the construction activities described in the subsection.

Because it is assumed by the District that all painted surfaces (interior as well as exterior) within the District contain some level of lead, it is imperative that the Contractor, its workers and subcontractors fully and adequately comply with all applicable laws, rules and regulations governing lead-based materials (including title 8, California Code of Regulations, section 1532. 1).

The Contractor must notify the District if any Work may result in the disturbance of lead-containing building materials. Any and all Work that may result in the disturbance of lead-containing building materials must be coordinated through the District. A signed copy of this Certification must be on file prior to beginning Work on the Project, along with all current insurance certificates.

(ii) **Renovation, Repair and Painting Rule, Section 402(c)(3) of the Toxic Substances Control Act**

In 2008, the U.S. Environmental Protection Agency, issued a rule pursuant to the authority of Section 402(c)(3) of the Toxic Substances Control Act, requiring lead safe work practices to reduce exposure to lead hazards created by renovation, repair and painting activities that disturb lead-based paint (Renovation, Repair and Painting Rule). Renovations in homes, childcare facilities, and schools built prior to 1978 must be conducted by certified renovations firms, using renovators with accredited training, and following the work practice requirements to reduce human exposures to lead.

Contractor, its workers and subcontractors must fully and adequately comply with all applicable laws, rules and regulations governing lead-based materials, including those rules and regulations appearing within title 40 of the Code of Federal Regulations as part 745 (40 CFR 745).

The requirements apply to all contractors who disturb lead-based paint in a six-square-foot area or greater indoors or a 20-square-foot area outdoors. If a DPH-certified inspector or risk assessor determines that a home constructed before 1978 is lead-free, the federal certification is not required for anyone working on that particular building.

(iii) **Contractor's Liability**

If the Contractor fails to comply with any applicable laws, rules, or regulations, and that failure results in a site or worker contamination, the Contractor will be held solely responsible for all costs involved in any required corrective actions, and shall defend, indemnify, and hold harmless the District, pursuant to the indemnification provisions of the Contract, for all damages and other claims arising therefrom.

If lead disturbance is anticipated in the Work, only persons with appropriate accreditation, registrations, licenses, and training shall conduct this Work.

It shall be the responsibility of the Contractor to properly dispose of any and all waste products, including, but not limited to, paint chips, any collected residue, or any other visual material that may occur from the prepping of any painted surface. It will be the responsibility of the Contractor to provide the proper disposal of any hazardous waste by a certified hazardous waste hauler. This company shall be registered with the Department of Transportation (DOT) and shall be able to issue a current manifest number upon transporting any hazardous material from any school site within the District.

The Contractor shall provide the District with any sample results prior to beginning Work, during the Work, and after the completion of the Work. The District may request to examine, prior to the commencement of the Work, the lead training records of each employee of the Contractor.

I acknowledge and certify under penalty of perjury, that:

1. I have received notification of potential lead-based materials on the District's property;
2. I am knowledgeable regarding and will comply with all applicable laws, rules, and regulations governing work with, and disposal of, lead.



Imported Materials. All soils, aggregate, or related materials ("Fill") that Contractor, a Subcontractor, agent or supplier, in any way, provides or delivers and/or supplies to the Project Site shall be free of any and all

hazardous material as defined in section 25260 of the Health and Safety Code, shall satisfy the requirements of any environmental review of the Project performed pursuant to the statutes and guidelines of the California Environmental Quality Act, sections 21000 et seq. of the Public Resources Code ("CEQA"), and shall comply with the requirements of sections 17210 et seq. of the Education Code, including requirements for a Phase I environmental assessment acceptable to the State of California Department of Education and Department of Toxic Substances Control. I acknowledge that, to the furthest extent permitted by California law, the indemnification provisions in the Contract Documents apply to, without limitation, any claim(s) connected with providing, delivering, and/or supplying Fill.



Roofing Contract Financial Interest Certification (Public Contract Code § 3006)

I, _____ **[Your Name]**, _____ **[Firm Name]**
certify that I have not offered, given, or agreed to give, received, accepted, or agreed to accept, any gift, contribution, or any financial incentive whatsoever to or from any person in connection with a roof project contract or subcontract on the Project. As used in this certification, "person" means any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.

I, _____ **[Your Name]**, _____ **[Firm Name]**
certify that I do not have, and throughout the duration of the Contract, I will not have, any financial relationship in connection with the performance of the Contract with any architect, engineer, roofing consultant, materials manufacturer, distributor, or vendor that is not disclosed below.

I, _____ **[Your Name]**, _____ **[Firm Name]**
have the following financial relationships with an architect, engineer, roofing consultant, materials manufacturer, distributor, or vendor, or other person in connection with the following roof project contract:

Name of firm ("Firm"): _____
Mailing address: _____
Address of branch office used for this Project: _____
If subsidiary, name and address of parent company: _____

For Projects without substantive roofing components, check the following box and execute this certification:



The Work on the Contract (1) does not include the replacement or repair of a roof or (2) is a repair of twenty five percent (25%) or less of the roof, (3) or is a repair project that has a total cost of twenty one thousand dollars (\$21,000) or less.

I acknowledge and certify under penalty of perjury that I am duly authorized to legally bind the Contractor to all provisions and items included in these certifications, that the contents of these certifications are true, and that these certifications are made under the laws of the State of California.

Date: _____

Proper Name of Contractor: _____

Signature: _____

Print Name: _____

Title: _____

DISABLED VETERAN BUSINESS ENTERPRISE
PARTICIPATION CERTIFICATION

Section 17076.11 of the Education Code requires school districts using funds allocated pursuant to the State of California School Facility Program ("Program") for the construction and/or modernization of school buildings to have a participation goal for disabled veteran business enterprises ("DVBE") of at least three percent (3%), per year, of the overall dollar amount expended each year by the school district on projects that receive state funding.

1. **Disabled Veteran Business Enterprise.** A DVBE is a business enterprise certified by the California Office of Small Business as a DVBE.
2. **DVBE Participation Policy.** The District is committed to achieving this DVBE participation goal. The District encourages Contractor to ensure maximum opportunities for the participation of DVBEs in the Work of the Contract.
3. **DVBE Participation Goal.** The three percent (3%) participation goal is not a quota, set-aside or rigid proportion.
4. **Certification of Participation.** At the time of execution of the Contract, the Contractor will provide a statement to the District of anticipated participation of DVBEs in the contract.
5. **Submission of Report.** During performance of the Contract, Contractor shall monitor the Work of the Contract, award of subcontracts and contracts for materials, equipment and supplies for the purpose of determining DVBE participation in the Work of the Contract.
 - a) Contractor shall report on a monthly basis all DVBEs utilized in the performance of the Work, the type or classification of the Work performed by each DVBE, and the dollar value of the Work performed by each DVBE.
 - b) Upon completion of the Work of the Contract, Contractor shall submit a report to the District in the form attached hereto identifying all DVBEs utilized in the performance of the Work, the type or classification of the Work performed by each DVBE, and the dollar value of the Work performed by each DVBE.
 - i) The submission to the District of this report is a condition precedent to the District's obligation to make payment of the Final Payment under the Contract Documents. The submission of this report shall be in addition to, and not in lieu of, any other conditions precedent set forth in the Contract Documents for the District's obligation to make payment of the Final Payment.
 - ii) The District reserves the right to request additional information or documentation from the Contractor evidencing efforts to comply with the three percent (3%) DVBE participation goal.

DVBE PARTICIPATION REPORT

Contractor Name: _____ Date: _____

Project Name: _____ Project Number: _____

DVBE Firm Name	Trade / Portion of Work	Subcontract/ Contract Value
Add more sheets as needed to include all information for each DVBE		

Does the cumulative dollar value of these DVBE contracts meet or exceed the participation goal of three percent (3%) of the final Contract Price, as adjusted by all change orders?

YES _____ NO _____

If your response is "NO", please attach to this report a detailed description of the reasons for your firm did not achieve the participation goal of three percent (3%) of the final Contract Price.

I certify and declare under penalty of perjury under the laws of the State of California that all the foregoing information is complete, true, and correct.

Date: _____

Proper Name of Contractor: _____

Signature: _____

Print Name: _____

Title: _____

CRIMINAL BACKGROUND INVESTIGATION / FINGERPRINTING CERTIFICATION

The undersigned does hereby certify to the governing board of the District that he/she is a representative of the Contractor, is familiar with the facts herein certified, is authorized and qualified to execute this certificate on behalf of Contractor; and that the information in this Criminal Background Investigation / Fingerprinting Certification is true and correct.

1. **Education Code.** Contractor has taken at least one of the following actions with respect to the Project (check all that apply):

☐ The Contractor has complied with the fingerprinting requirements of Education Code section 45125.1 with respect to all Contractor's employees and all of its subcontractors' employees who may have contact with District pupils in the course of providing services pursuant to the Contract, and the California Department of Justice ("DOJ") has determined (per the DOJ process for Applicant Agencies described more fully on its website, located at:) that none of those employees have been convicted of a felony, as that term is defined in Education Code section 45122.1. A complete and accurate list of Contractor's employees and of all of its subcontractors' employees who may come in contact with District pupils during the course and scope of the Contract is attached hereto; and/or

☐ Pursuant to Education Code section 45125.2, Contractor has installed or will install, prior to commencement of work, a physical barrier at the Project site, that will limit contact between Contractor's employees and District pupils at all times; and/or

☐ Pursuant to Education Code section 45125.2, Contractor certifies that all employees will be under the continual supervision of, and monitored by, an employee of the Contractor who the California Department of Justice has ascertained has not been convicted of a violent or serious felony. The name and title of the employee who will be supervising Contractor's employees and its subcontractors' employees is:

Name: _____ Title: _____

☐ The Work on the Contract is at an unoccupied school site and no employee and/or subcontractor or supplier of any tier of Contract shall come in contact with the District pupils.

2. **Megan's Law (Sex Offenders).** I have verified and will continue to verify that the employees of Contractor that will be on the Project site and the employees of the Subcontractor(s) that will be on the Project site are not listed on California's "Megan's Law" Website (<http://www.meganslaw.ca.gov/>).

Contractor's responsibility for background clearance extends to all of its employees, subcontractors, and employees of subcontractors coming into contact with District pupils regardless of whether they are designated as employees or acting as independent contractors of the Contractor.

Date: _____

Proper Name of Contractor: _____

Signature: _____

Print Name: _____

Title: _____

BYRD ANTI-LOBBYING AMENDMENT CERTIFICATION

The undersigned certifies, to the best of his or her knowledge and belief, that:

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

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

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

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

The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. Chap. 38, Administrative Remedies for False Claims and Statements, as well as any California remedies, apply to this certification and disclosure, if any.

I certify that I am duly authorized to legally bind the Contractor to this certification, that the contents of this certification are true, and that this certification is made under the laws of the State of California.

Date: _____

Proper Name of Contractor: _____

Signature: _____

Print Name: _____

Title: _____

PERFORMANCE BOND (100% of Contract Price)

(Note: Contractor must use this form, NOT a surety company form.)

KNOW ALL PERSONS BY THESE PRESENTS:

WHEREAS, the governing board ("Board") of the Alameda Unified School District (or "District") and @Contractor, ("Principal") have entered into a contract for the furnishing of all materials and labor, services and transportation, necessary, convenient, and proper to perform the following project:

Wood Middle School HVAC Modernization – DSA App 01-119458 ("Project" or "Contract")

which Contract dated _____, 20_____, and all of the Contract Documents attached to or forming a part of the Contract, are hereby referred to and made a part hereof, and

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

NOW, THEREFORE, the Principal and _____ ("Surety") are held and firmly bound unto the Board of the District in the penal sum of:

_____ DOLLARS

(\$ _____), lawful money of the United States, for the payment of which sum well and truly to be made we bind ourselves, our heirs, executors, administrators, successors, and assigns jointly and severally, firmly by these presents, to:

- Perform all the work required to complete the Project; and
- Pay to the District all damages the District incurs as a result of the Principal's failure to perform all the Work required to complete the Project.

In the event the Principal is declared by the District to be in breach or default in the performance of the Contract, then, after written notice from the District to the Surety, as provided for herein, the Surety shall either remedy the default or breach of the Principal or shall take charge of the Work of the Contract and complete the Contract with a Contractor other than the Principal at its own expense; provided, however, that the procedure by which the Surety undertakes to discharge its obligations under this Bond shall be subject to the advance written approval of the District.

The condition of the obligation is such that, if the above bounden Principal, his or its heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions, and agreements in the Contract and any alteration thereof made as therein provided, on his or its part to be kept and performed at the time and in the intent and meaning, including all contractual guarantees and warranties of materials and workmanship, and shall indemnify and save harmless the District, its trustees, officers and agents, as therein stipulated, then this obligation shall become null and void, otherwise it shall be and remain in full force and virtue.

As a condition precedent to the satisfactory completion of the Contract, the above obligation shall hold good for a period equal to the warranty and/or guarantee period of the Contract, during which time Surety's obligation shall continue if Contractor shall fail to make full, complete, and satisfactory repair, replace, 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's or Surety's obligations under the Contract, law or equity, including, but not limited to, California Code of Civil Procedure section 337.15.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the Contract or to the Work to be performed thereunder shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the Contract Documents or to the Work.

Any claims under this bond may be addressed to the Surety at the following address. This cannot be the Contractor's broker for this bond, but must be an employee of the Surety or the Surety's legal counsel:

Attention: _____

Telephone No.: (_____) _____ - _____

Fax No.: (_____) _____ - _____

E-mail Address: _____

IN WITNESS WHEREOF, two (2) 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_____.

Principal

Surety

(Name of Principal)

(Name of Surety)

(Signature of Person with Authority)

(Signature of Person with Authority)

(Print Name)

(Print Name)

(Name of California Agent of Surety)

(Address of California Agent of Surety)

(Telephone Number of California Agent of Surety)

Contractor must attach a Notarial Acknowledgment for all Surety's signatures and a Power of Attorney and Certificate of Authority for Surety. The California Department of Insurance must authorize the Surety to be an admitted surety insurer.

PAYMENT BOND -- Contractor's Labor & Material Bond (100% of Contract Price)

(Note: Contractor must use this form, NOT a surety company form.)

KNOW ALL PERSONS BY THESE PRESENTS:

WHEREAS, the governing board ("Board") of the **Alameda Unified School District** (or "District") and **@Contractor**, ("Principal") have entered into a contract for the furnishing of all materials and labor, services and transportation, necessary, convenient, and proper to perform the following project:

Wood Middle School HVAC Modernization – DSA App 01-119458 ("Project" or "Contract")

which Contract dated _____, 20_____, and all of the Contract Documents attached to or forming a part of the Contract, are hereby referred to and made a part hereof, and

WHEREAS, pursuant to law and the Contract, the Principal is required, before entering upon the performance of the work, to file a good and sufficient bond with the body by which the Contract is awarded in an amount equal to 100 percent (100%) of the Contract price, to secure the claims to which reference is made in the Civil Code of California, including section 9100, and the Labor Code of California, including section 1741.

NOW, THEREFORE, the Principal and _____, ("Surety") are held and firmly bound unto all laborers, material men, and other persons referred to in said statutes in the penal sum of:

_____ DOLLARS

(\$ _____), lawful money of the United States, being a sum not less than the total amount payable by the terms of Contract, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, or assigns, jointly and severally, by these presents.

The condition of this obligation is that if the Principal or any of his or its subcontractors, of the heirs, executors, administrators, successors, or assigns of any, all, or either of them shall fail to pay for any labor, materials, provisions, provender, 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 for amounts due under the Unemployment Insurance Act with respect to such work or labor, that the Surety will pay the same in an amount not exceeding the amount herein above set forth, and also in case suit is brought upon this bond, will pay a reasonable attorney's fee to be awarded and fixed by the Court, and to be taxed as costs and to be included in the judgment therein rendered.

It is hereby expressly stipulated and agreed that this bond shall inure to the benefit of any and all persons, companies, and corporations entitled to file claims under sections 9000 through 9566 of the Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond.

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

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the Contract or to the Work to be performed thereunder shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the Contract Documents or to the Work.

IN WITNESS WHEREOF, two (2) 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_____.

Principal

Surety

(Name of Principal)

(Name of Surety)

(Signature of Person with Authority)

(Signature of Person with Authority)

(Print Name)

(Print Name)

(Name of California Agent of Surety)

(Address of California Agent of Surety)

(Telephone Number of California Agent of Surety)

Contractor must attach a Notarial Acknowledgment for all Surety's signatures and a Power of Attorney and Certificate of Authority for Surety. The California Department of Insurance must authorize the Surety to be an admitted surety insurer.

Division 1 Documents
to
Lease-Leaseback Documents

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COORDINATION AND PROJECT MEETINGS

1. GENERAL

1.1. SECTION INCLUDES

- 1.1.1. Coordination Responsibilities of the Contractor
- 1.1.2. Field Engineering Responsibilities of the Contractor
- 1.1.3. Preconstruction Conference.
- 1.1.4. Progress Meetings.
- 1.1.5. Pre-Installation Conferences.
- 1.1.6. Post Construction Dedication.

1.2. COORDINATION RESPONSIBILITIES OF THE CONTRACTOR

- 1.2.1. Coordinate scheduling, submittals, and Work of the Specifications to assure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.
- 1.2.2. Prior to commencement of a particular type or kind of work examine relevant information, contract documents, and subsequent data issued to the Project.
- 1.2.3. Verify that utility requirement characteristics of operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
- 1.2.4. Closing up of holes, backfilling, and other covering up operations shall not proceed until all enclosed or covered work and inspections have been completed. Verify before proceeding.
- 1.2.5. Coordinate space requirements and installation of mechanical and electrical work which are indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduit as closely as practicable; place runs parallel with line of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
- 1.2.6. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
- 1.2.7. In locations where several elements of mechanical and electrical work must be sequenced and positioned with precision in order to fit into available space, prepare coordination drawings showing the actual conditions required for the installation. Prepare coordination drawings prior to purchasing, fabricating, or installing any of the elements required to be coordinated.
- 1.2.8. Closing up of walls, partitions or furred spaces, backfilling, and other covering up operations shall not proceed until all enclosed or covered work and inspections have been completed. Verify before proceeding.
- 1.2.9. Coordinate completion and clean up of Work of separate sections in preparation for completion and for portions of work designated for District's occupancy.
- 1.2.10. After District occupancy of Project, coordinate access to Site for correction of defective Work and Work not in accordance with Contract Documents, to minimize disruption of District's activities.
- 1.2.11. Coordinate all utility company work in accordance with the Contract Documents.

1.3. FIELD ENGINEERING RESPONSIBILITIES OF THE CONTRACTOR

- 1.3.1. Contractor shall employ a Land Surveyor registered in the State of California and acceptable to the Construction Manager.
- 1.3.2. Control datum for survey is that established by District provided survey. Contractor to locate and protect survey control and reference points.
- 1.3.3. Replace dislocated survey control points based on original survey control.
- 1.3.4. Provide field engineering services. Establish elevations, lines, and levels utilizing recognized engineering survey practices.
- 1.3.5. Upon completion of Work, submit certificate signed by the Land Surveyor, that elevations and locations of Work are in conformance with Contract Documents. Record

deviations on Record Drawings.

1.4. PRECONSTRUCTION CONFERENCE

- 1.4.1. Construction Manager or Project Engineer will schedule a conference immediately after receipt of fully executed Contract Documents prior to Project mobilization.
- 1.4.2. Mandatory Attendance: Construction Manager, Project Engineer, Inspector of Record, Architect of Record, Contractor, Contractor's Project Manager, and Contractor's Job/Project Superintendent.
- 1.4.3. Optional Attendance: Architect's consultants, subcontractors, and utility company representatives.
- 1.4.4. Construction Manager shall preside at conference and shall prepare and record minutes and distribute copies.
- 1.4.5. Agenda:
 - 1.4.5.1. Execution of the Contract Documents.
 - 1.4.5.2. Issue Notice to Proceed.
 - 1.4.5.3. Submission of executed bonds and insurance certificates.
 - 1.4.5.4. Distribution of Contract Documents.
 - 1.4.5.5. Submission of list of Subcontractors, list of Products, Schedule of Values, and Progress Schedule.
 - 1.4.5.6. Designation of responsible personnel representing the parties.
 - 1.4.5.7. Procedures for processing Force Account Directives and Change Orders.
 - 1.4.5.8. Procedures for Request for Information.
 - 1.4.5.9. Procedures for testing and inspecting.
 - 1.4.5.10. Procedures for processing applications for payment.
 - 1.4.5.11. Procedures for Project closeout.
 - 1.4.5.12. Use of Premises.
 - 1.4.5.13. Work restrictions.
 - 1.4.5.14. District's occupancy requirements or options.
 - 1.4.5.15. Responsibility for temporary facilities and controls.
 - 1.4.5.16. Construction waste management and recycling.
 - 1.4.5.17. Parking availability.
 - 1.4.5.18. Office, work and storage areas.
 - 1.4.5.19. Equipment deliveries and priority.
 - 1.4.5.20. Security.
 - 1.4.5.21. Progress cleaning.

1.5. PROGRESS MEETINGS

- 1.5.1. Construction Manager shall schedule and administer meetings throughout progress of the Work at a minimum of every week.
- 1.5.2. Construction Manager or Project Engineer will make arrangements for meetings, prepare agenda, and preside at meetings. Construction Manager shall record minutes (Field Reports), and distribute copies.
- 1.5.3. Attendance Required: Project Manager, Job Superintendent, Construction Manager, Project Engineer, Project Inspector (Inspector of Record), Architect of Record, Subcontractors, and suppliers as appropriate to agenda topics for each meeting.
- 1.5.4. Agenda:
 - 1.5.4.1. Review minutes of previous meetings. (Field Reports)
 - 1.5.4.2. Safety, and jobsite visits
 - 1.5.4.3. Review of Work progress.
 - 1.5.4.4. Field observations, problems, and decisions.
 - 1.5.4.5. Identification of problems which impede planned progress.
 - 1.5.4.6. Review of submittals schedule and status of submittals.
 - 1.5.4.7. Review of off-site fabrication and delivery schedules.
 - 1.5.4.8. Maintenance of construction schedule.
 - 1.5.4.9. Corrective measures to regain projected schedules.

- 1.5.4.10. Planned progress during succeeding work period.
- 1.5.4.11. Coordination of projected progress.
- 1.5.4.12. Maintenance of quality and work standards.
- 1.5.4.13. Effect of proposed changes on progress schedule and coordination.
- 1.5.4.14. Other business relating to Work.

- 1.5.5. District has authority to schedule meetings other than those listed, as necessary.

1.6. PRE-INSTALLATION CONFERENCES

When required in individual specification section, or requested by the District Contractor shall convene a pre-installation conference prior to commencing work of the section. Refer to individual specification section for timing requirements of conference.

- 1.6.1. Contractor shall require his/her subcontractors and suppliers directly affecting, or affected by, work of the specific section to attend.
- 1.6.2. Notify the Construction Manager, Project Engineer, Inspector of Record, and Architect of Record four (4) days in advance of meeting date.
- 1.6.3. The pre-installation conference may coincide with a regularly scheduled progress meeting.
- 1.6.4. Contractor shall prepare agenda, preside at conference, record minutes, and distribute copies within two (2) days after conference to participants.
- 1.6.5. The purpose of the meeting will be to review Contract Documents, conditions of installation, preparation and installation procedures, and coordination with related work and manufacturer's recommendations.
- 1.6.6. Pre-installation Schedule: As a minimum, Work being installed under the Contract Documents technical sections will require pre-installation conferences. Contractor shall review the technical specifications and add all additional requirements for pre-installation meetings contained in those sections.

1.7. POST CONSTRUCTION DEDICATION

- 1.7.1. Attendance Required: Project Superintendent, Contractor, Project Manager, major subcontractors, Construction Manager, Project Engineer, Inspector of Record, and Architect of Record.
- 1.7.2. Preparation prior to Dedication: Contractor and appropriate subcontractors and suppliers shall:
- 1.7.3. Assist District in operation of mechanical devices and systems.
 - 1.7.3.1. Verify operation and adjust controls for communication systems.
 - 1.7.3.2. Assist District in operation of lighting systems.

PRODUCT OPTIONS AND SUBSTITUTIONS

1. Substitution for Specified Items.

The Project shall be based on products and systems specified in Contract Documents or listed by name in Addenda. Contractor shall only request substitutions as indicated herein.

1.1. Request for Substitution Prior to Proposal.

- 1.1.1. District must receive any request for substitution a minimum of FOURTEEN (14) calendar days prior to the date proposals are due.
- 1.1.2. The District's denial of a substitution request prior to the date proposals are due shall be conclusive, requiring Contractors to base proposals only on approved items. The District is not responsible and/or liable in any way for a Contractor's damages and/or claims related, in any way, to that Contractor's basing its proposal on any requested substitution that the District has not approved. Contractor's proposal may be deemed non-responsive if it identifies a product or manufacturer of a non-approved substitution.
- 1.1.3. Approved substitutions shall be listed in Addenda.
- 1.1.4. District reserves the right not to act upon submittals of substitutions until after the date proposals are due. If the District does not act on a substitution request prior to the date proposals are due, Contractors must propose only on products and systems specified in Contract Documents or listed by name in Addenda.

1.2. Request for Substitution After Contract Awarded. Requests for substitutions after award of the Contract shall be within **THIRTY-FIVE (35) days of the date of the Notice of Award or similar notice to Contractor**. This time period can be extended by the District only, in its sole discretion.

- 1.2.1. Whenever in the Specifications any materials, process, or article is indicated or specified by grade, patent, or proprietary name, or by name of manufacturer, that Specification shall be deemed to be followed by the words "or equal." Contractor may, unless otherwise stated, offer any material, process, or article that shall be substantially equal or better in every respect to that so indicated or specified.
- 1.2.2. If the material, process, or article offered by Contractor is not, in the opinion of the District, substantially equal or better in every respect to that specified, then Contractor shall furnish the material, process, or article specified in the Specifications without any additional compensation or change.
- 1.2.3. This provision shall not be applicable with respect to any material, product, thing or service for which District made findings and gave notice in accordance with Public Contract Code section 3400(b); therefore, Contractor shall not be entitled to request a substitution with respect to those materials, products or services.
- 1.2.4. The burden of proof as to equality of any material, process, or article shall rest with Contractor.

1.3. A request for a substitution shall be in writing and shall include the following information and/or assurances.

- 1.3.1. All variations of the proposed substitute from the material specified including, but not limited to, principles of operation, materials, or construction finish, thickness or gauge of materials, dimensions, weight, and tolerances;
- 1.3.2. Available maintenance, repair or replacement services;
- 1.3.3. Increases or decreases in operating, maintenance, repair, replacement, and spare parts costs;
- 1.3.4. Whether or not acceptance of the substitute will require other changes in the Work (or in work performed by the District or others under contract with the District); and
- 1.3.5. The time impact on any part of the Work resulting directly or indirectly from acceptance of the proposed substitute.
- 1.3.6. The proposed substitute is equal or superior in all respects to that specified, and that such proposed substitute is suitable and fit for the intended purpose and will perform adequately the function and achieve the results called for by the general design and the Contract Documents;

- 1.3.7. The Contractor provides the same warranties and guarantees for the substitute that would be provided for that specified;
- 1.3.8. The Contractor shall be fully responsible for the installation of the substitute and any changes in the Work required, either directly or indirectly, because of the acceptance of such substitute, with no increase in Contract Price or Contract Time. Incidental changes or extra component parts required to accommodate the substitute will be made by the Contractor without a change in the Contract Price or Contract Time;
- 1.3.9. The Contractor shall be responsible for any re-design costs occasioned by District's acceptance and/or approval of any substitute; and
- 1.3.10. The Contractor shall, in the event that a substitute is less costly than that specified, credit the District with one hundred percent (100%) of the net difference between the substitute and the originally specified material. In this event, the Contractor agrees to execute a deductive Change Order to reflect that credit.
- 1.4. In the event Contractor furnishes a material, process, or article more expensive than that specified, the difference in the cost of that material, process, or article so furnished shall be borne by Contractor.
- 1.5. In no event shall the District be liable for any increase in Contract Price or Contract Time due to any claimed delay in the evaluation of any proposed substitute or in the acceptance or rejection of any proposed substitute.
- 1.6. If the District approves a substitution after the award of the Contract, the District shall memorialize that approval in a Change Order or other applicable Contract modification process.

CONSTRUCTION SCHEDULE - NETWORK ANALYSIS

1. GENERAL

1.1. REFERENCES

- 1.1.1. Construction Planning and Scheduling Manual - A Manual for General Contractors and the Construction Industry, The Associated General Contractors of America (AGC).
- 1.1.2. CSI - Construction Specifications Institute MP-2-1 Master Format.
- 1.1.3. U.S. National Weather Service - Local Climatological Data.

1.2. PERFORMANCE REQUIREMENTS

- 1.2.1. All Contractor's schedules shall comply with the baseline and milestones as indicated in the draft "Program Schedule" the District provided as a draft **Exhibit F** to the Facilities Lease.
- 1.2.2. Ensure adequate scheduling during construction activities so Work may be prosecuted in an orderly and expeditious manner within stipulated Contract Time.
- 1.2.3. Ensure coordination of Contractor and subcontractors at all levels.
- 1.2.4. Ensure coordination of submittals, fabrication, delivery, erection, installation, and testing of Products, materials and equipment.
- 1.2.5. Ensure on-time delivery of District furnished Products, materials and equipment.
- 1.2.6. Ensure coordination of jurisdictional reviews.
- 1.2.7. Prepare applications for payment.
- 1.2.8. Monitor progress of Work.
- 1.2.9. Prepare proper requests for changes to Contract Time.
- 1.2.10. Prepare proper requests for changes to Construction Schedule.
- 1.2.11. Assist in detection of schedule delays and identification of corrective actions.

1.3. QUALITY ASSURANCE

- 1.3.1. Perform scheduling work in accordance with Construction Planning and Scheduling Manual published by the AGC.
- 1.3.2. Maintain one copy of Construction Planning and Scheduling Manual on Site.
- 1.3.3. In the event of discrepancy between the AGC publication and the Contract Documents, provisions of the Contract Documents shall govern.

1.4. QUALIFICATIONS

1.4.1. Scheduler:

- 1.4.1.1. Contractor shall retain a construction scheduler to work in enough capacity to perform all of the Contractor's requirements to prepare the Construction Schedule. The Scheduler shall plan, coordinate, execute, and monitor a cost/resource loaded critical path method (CPM) schedule as required for Project and have a minimum of five (5) years direct experience using CPM.
- 1.4.1.2. Scheduler will cooperate with District and shall be available on site for monitoring, maintaining and updating schedules in a timely manner.
- 1.4.1.3. District has the right to reject the Scheduler based upon a lack of experience as required by this Document or based on lack of performance and timeliness of schedule submittals/fragnets on past projects. Contractor shall within seven (7) calendar days of District's rejection, propose another scheduler who meets the experience requirements stated above.

- 1.4.2. **Administrative Personnel:** Five (5) years minimum experience in using and monitoring schedules on comparable projects.

1.5. SUBMITTALS

- 1.5.1. Submission of submittals pursuant to "Contractor's Submittals And Schedules" in Exhibit D. Adobe "PDF" files are not acceptable.
- 1.5.2. Submit Short Interval Schedule at each Construction Progress Meeting.
- 1.5.3. Submit Time Adjustment Schedule within five (5) days of commencement of a claimed

- delay.
- 1.5.4. Submit Recovery Schedules as required for timely completion of Work or when demanded by the District.
 - 1.5.5. Submit job cost reports when demanded by the District.
 - 1.5.6. Submit one (1) reproducible and two (2) copies of each schedule and cost report.
 - 1.5.7. Submit large format plotted schedules monthly or at the request of the District or Construction Manager.
- 1.6. REVIEW AND EVALUATION**
- 1.6.1. Contractor shall participate in joint review of Construction Schedule and Reports with District and Construction Manager.
 - 1.6.2. Within seven (7) days of receipt of District and Construction Manager's comments provide satisfactory revision to Construction Schedule or adequate justification for activities in question.
 - 1.6.3. In the event that an activity or element of Work is not detected by District or Construction Manager review, such omission or error shall be corrected by next scheduled update and shall not affect Contract Time.
 - 1.6.4. Acceptance by District of corrected Construction Schedule shall be a condition precedent to making any Tenant Improvement Payment.
 - 1.6.5. Cost-loaded values of Construction Schedule shall be basis for determining Tenant Improvement Payment unless waived by the District in writing.
 - 1.6.6. Review and acceptance by District and Construction Manager of Preliminary Work Schedule or Construction Schedule does not constitute responsibility whatsoever for accuracy or feasibility of schedules nor does such acceptance expressly or impliedly warrant, acknowledge or admit reasonableness of activities, logic, duration, manpower, cost or equipment loading stated or implied on schedules.
- 1.7. FORMAT**
- 1.7.1. Prepare diagrams and supporting mathematical analyses using Precedence Diagramming Method, under concepts and methods outlined in AGC Construction Planning and Scheduling Manual.
 - 1.7.2. **Listings:** Reading from left to right, in ascending order for each activity.
 - 1.7.3. **Diagram Size:** 42 inches maximum height x width required.
 - 1.7.4. **Scale and Spacing:** To allow for legible notations and revisions.
 - 1.7.5. Illustrate order and interdependence of activities and sequence of Work.
 - 1.7.6. Illustrate complete sequence of construction by activity.
 - 1.7.7. Provide legend of symbols and abbreviations used.
- 1.8. COST AND SCHEDULE REPORTS**
- 1.8.1. **Activity Analysis:** Tabulate each activity of network diagram and identify for each activity:
 - 1.8.1.1. Description.
 - 1.8.1.2. Interface with outside contractors or agencies.
 - 1.8.1.3. Number.
 - 1.8.1.4. Preceding and following number.
 - 1.8.1.5. Duration.
 - 1.8.1.6. Earliest start date, earliest finish date.
 - 1.8.1.7. Actual start date, actual finish date.
 - 1.8.1.8. Latest start date, latest finish date.
 - 1.8.1.9. Total and free float.
 - 1.8.1.10. Identification of critical path activity.
 - 1.8.1.11. Monetary value keyed to Schedule of Values.
 - 1.8.1.12. Manpower requirements.
 - 1.8.1.13. Responsibility.
 - 1.8.1.14. Percentage complete.
 - 1.8.1.15. Variance positive or negative.

- 1.8.2. **Cost Report:** Tabulate each activity of network diagram and identify for each activity, unless waived by the District in writing:
 - 1.8.2.1. Description.
 - 1.8.2.2. Number.
 - 1.8.2.3. Total cost.
 - 1.8.2.4. Percentage complete.
 - 1.8.2.5. Value prior to current period.
 - 1.8.2.6. Value this period.
 - 1.8.2.7. Value to date.
 - 1.8.3. **Required Sorts:** List activities in sorts or groups:
 - 1.8.3.1. By activity number.
 - 1.8.3.2. By amount of float time in order of early start.
 - 1.8.3.3. By responsibility in order of earliest start date.
 - 1.8.3.4. In order of latest start dates.
 - 1.8.3.5. In order of latest finish dates.
 - 1.8.3.6. Application for payment sorted by Schedule of Values.
 - 1.8.3.7. Listing of activities on critical path.
 - 1.8.4. Listing of basic input data which generates schedule.
- 1.9. CONSTRUCTION SCHEDULE**
- 1.9.1. Contractor shall develop and submit a preliminary schedule of construction (or Preliminary Construction Schedule) during the procurement process or, if not then, and only with the District's written approval, within thirty (30) days after award of the Contract. That document shall comply with this Document and the Contract Documents. It shall be submitted in computer generated network format and shall be organized by Activity Codes representing the Contractor's intended sequencing of the Work, and with time scaled network diagrams of activities. The Preliminary Construction Schedule shall include activities such as mobilization, preparation of submittals, specified review periods, procurement items, fabrication items, milestones, and all detailed construction activities.
 - 1.9.2. Upon District's acceptance of the Preliminary Construction Schedule, Contractor shall update the accepted Preliminary Construction Schedule until Contractor's Construction Schedule is fully developed and accepted within the first thirty (30) calendar days. Once approved by District, this shall become the Construction Schedule (or "Baseline Schedule"). This schedule shall include and identify all tasks that are on the Project's critical path with a specific determination of the start and completion of each critical path task, all contract milestones and each milestone's completion date(s) as may be required by the District, and the date of Project Completion. Since updates to the Construction Schedule are the basis for payment to Contractor, submittal and acceptance of the Construction Schedule and updates shall be a condition precedent to making of monthly payments, as indicated in the General Construction Provisions (Exhibit D to the Facilities Lease).
 - 1.9.3. Failure to submit an adequate or accurate Preliminary Construction Schedule, Construction Schedule, updates thereto or failure to submit on established dates, will be considered a breach of Contract.
 - 1.9.4. Failure to include any activity shall not be an excuse for completing all Work by required Completion Date.
 - 1.9.5. Activities of long intervals shall be broken into increments no longer than fourteen (14) days or a value over \$20,000.00 unless approved by the District or it is non-construction activity for procurement and delivery.
 - 1.9.6. The Construction Schedule shall comply with the following and include the following:
 - 1.9.6.1. Provide a written narrative describing Contractor's approach to mobilization, procurement, and construction during the first thirty (30) calendar days including crew sizes, equipment and material delivery, Site

- access, submittals, and permits.
- 1.9.6.2. Shall designate critical path or paths.
- 1.9.6.3. Procurement activities to include mobilization, shop drawings and sample submittals.
- 1.9.6.4. Identification of key and long-lead elements and realistic delivery dates.
- 1.9.6.5. Construction activities in units of whole days limited to fourteen (14) days for each activity except non-construction, procurement and delivery.
- 1.9.6.6. Approximate cost and duration of each activity.
- 1.9.6.7. Shall contain seasonal weather considerations.
- 1.9.6.8. Indicate a date for Project Completion that is no later than Completion Date subject to any time extensions processed as part of a Change Order.
- 1.9.6.9. Conform to mandatory dates specified in the Contract Documents.
- 1.9.6.10. Contractor shall allow for inclement weather in the Proposed Baseline Schedule by incorporating an activity titled "Rain Day Impact Allowance" as the last activity prior to the Completion Milestone. No other activities may be concurrent with it. The duration of the Rain Day Impact Allowance activity will in accordance with the Contract Documents, including "Computation of Time / Adverse Weather" in Exhibit D, and will be calculated from the Notice to Proceed until the Completion.
- 1.9.6.11. Level of detail shall correspond to complexity of work involved.
- 1.9.6.12. Indicate procurement activities, delivery, and installation of District furnished material and equipment.
- 1.9.6.13. Designate critical path or paths.
- 1.9.6.14. Subcontractor work at all levels shall be included in schedule.
- 1.9.6.15. As developed shall show sequence and interdependence of activities required for complete performance of Work.
- 1.9.6.16. Shall be logical and show a coordinated plan of Work.
- 1.9.6.17. Show order of activities and major points of interface, including specific dates of completion.
- 1.9.6.18. Duration of activities shall be coordinated with subcontractors and suppliers and shall be best estimate of time required.
- 1.9.6.19. Shall show description, duration and float for each activity.
- 1.9.7. **Activity.** An activity shall meet the following criteria:
 - 1.9.7.1. Any portion or element of Work or action that is precisely described, readily identifiable, and is a function of a logical sequential process.
 - 1.9.7.2. Descriptions shall be clear and concise. Beginning and end shall be readily verifiable. Starts and finishes shall be scheduled by logical restraints.
 - 1.9.7.3. Responsibility shall be identified with a single performing entity.
 - 1.9.7.4. Additional codes shall identify building, floor, and CSI classification.
 - 1.9.7.5. Assigned dollar value (cost-loading) of each activity shall cumulatively equal total contract amount. Mobilization, bond and insurance costs shall be separate. General requirement costs, overhead, profit, shall be prorated throughout all activities. Activity costs shall correlate with Schedule of Values.
 - 1.9.7.6. Assigned manpower requirement (resource loading) of each activity.
 - 1.9.7.7. Major construction equipment shall be assigned to each activity.
 - 1.9.7.8. Activities labeled start, continue or completion are not allowed.
- 1.9.8. **Equipment and Materials.** For major equipment and materials show a sequence of activities including:
 - 1.9.8.1. Preparation of shop drawings and sample submissions.
 - 1.9.8.2. Review of shop drawings and samples.
 - 1.9.8.3. Finish and color selection.

- 1.9.8.4. Fabrication and delivery.
- 1.9.8.5. Erection or installation.
- 1.9.8.6. Testing.
- 1.9.9. Include a minimum of fifteen (15) days prior to Completion Date for punch lists and clean up. No other activities shall be scheduled during this period.
- 1.10. SHORT INTERVAL SCHEDULE**
 - 1.10.1. The Four-Week Rolling Schedule shall be based on the most recent District Accepted Construction Schedule or Update. It shall include weekly updates to all construction, submittal, fabrication/procurement, and separate Work Contract activities. Contractor shall ensure that it accurately reflects the current progress of the Work.
 - 1.10.2. Shall be fully developed horizontal bar-chart-type schedule directly derived from Construction Schedule.
 - 1.10.3. Prepare schedule on sheet of sufficient width to clearly show data.
 - 1.10.4. Provide continuous heavy vertical line identifying first day of week.
 - 1.10.5. Provide continuous subordinate vertical line identifying each day of week.
 - 1.10.6. Identify activities by same activity number and description as Construction Schedule.
 - 1.10.7. Show each activity in proper sequence.
 - 1.10.8. Indicate graphically sequences necessary for related activities.
 - 1.10.9. Indicate activities completed or in progress for previous two (2) week period.
 - 1.10.10. Indicate activities scheduled for succeeding two (2) week period.
 - 1.10.11. Further detail may be added if necessary to monitor schedule.
- 1.11. REQUESTED TIME ADJUSTMENT SCHEDULE**
 - 1.11.1. Updated Construction Schedule shall not show a Completion Date later than the Contract Time, subject to any time extensions processed as part of a Change Order.
 - 1.11.2. If an extension of time is requested, a separate schedule entitled "Requested Time Adjustment Schedule" shall be submitted to District and Architect.
 - 1.11.3. Indicate requested adjustments in Contract Time which are due to changes or delays in completion of Work.
 - 1.11.4. Extension request shall include forecast of Project Completion date and actual achievement of any dates listed in Contract Documents.
 - 1.11.5. To the extent that any requests are pending at time of any Construction Schedule update, Time Adjustment Schedule shall also be updated.
 - 1.11.6. Schedule shall be a time-scaled network analysis.
 - 1.11.7. Accompany schedule with formal written time extension request and detailed impact analysis justifying extension.
 - 1.11.8. Time impact analysis shall demonstrate time impact based upon date of delay, and status of construction at that time and event time computation of all affected activities. Event times shall be those as shown in latest Construction Schedule.
 - 1.11.9. Activity delays shall not automatically constitute an extension of Contract Time.
 - 1.11.10. Failure of subcontractors shall not be justification for an extension of time.
 - 1.11.11. Float is not for the exclusive use or benefit of any single party. Float time shall be apportioned according to needs of project, as determined by the District.
 - 1.11.12. Float suppression techniques such as preferential sequencing, special lead/lag logic restraints, extended activity durations, or imposed dates shall not be allowed without the prior written permission of the District.
 - 1.11.13. Extensions will be granted only to extent that time adjustments to activities exceed total positive float of the critical path and extends Completion date.
 - 1.11.14. District shall not have an obligation to consider any time extension request unless requirements of Contract Documents, and specifically, but not limited to these requirements are complied with.
 - 1.11.15. District shall not be responsible or liable for any construction acceleration due to failure of District to grant time extensions under Contract Documents should requested adjustments in Contract Time not substantially comply with submission and justification

requirements of Contract for time extension requests.

- 1.11.16. In the event a Requested Time Adjustment Schedule and Time Impact Analysis are not submitted within ten (10) days after commencement of a delay it is mutually agreed that delay does not require a Contract Time extension.

1.12. RECOVERY SCHEDULE

- 1.12.1. When activities are behind Construction Schedule a supplementary Recovery Schedule shall be submitted.
- 1.12.2. Contractor shall prepare and submit to the District a Recovery Schedule at any time requested by the District, at no cost to the District.
- 1.12.3. Form and detail shall be sufficient to explain and display how activities will be rescheduled to regain compliance with Construction Schedule and to complete the Work by the Completion Date.
- 1.12.4. Maximum duration shall be one (1) month and shall coincide with payment period.
- 1.12.5. Ten (10) days prior to expiration of Recovery Schedule, Contractor shall have to show verification to determine if activities have regained compliance with Construction Schedule. Based upon this verification the following will occur:
 - 1.12.5.1. Supplemental Recovery Schedule will be submitted to address subsequent payment period
 - 1.12.5.2. Construction Schedule will be resumed.

1.13. UPDATING SCHEDULES

- 1.13.1. Review and update schedule at least ten (10) days prior to submitting an Application for Payment.
- 1.13.2. Maintain schedule to record actual prosecution and progress.
- 1.13.3. Identify approved Change Orders which affect schedule as separate new activities.
- 1.13.4. No other revisions shall be made to schedule unless authorized by District.
- 1.13.5. **Written Narrative Report:** Contractor shall include a written report to explain the Monthly Schedule Update. The narrative shall, at a minimum include the following headings with appropriate discussions of each topic:
 - 1.13.5.1. Activities or portions of activities completed during previous reporting period.
 - 1.13.5.2. Actual start dates for activities currently in progress.
 - 1.13.5.3. Deviations from critical path in days ahead or behind.
 - 1.13.5.4. List of major construction equipment used and any equipment idle.
 - 1.13.5.5. Number of personnel by craft engaged on Work during reporting period.
 - 1.13.5.6. Progress analysis describing problem areas.
 - 1.13.5.7. Current and anticipated delay factors and their impact.
 - 1.13.5.8. Proposed corrective actions and logic revisions for Recovery Schedule.
 - 1.13.5.9. Proposed modifications, additions, deletions and changes in logic of Construction Schedule.
 - 1.13.5.10. In updating the Schedule, Contractor shall not modify Activity ID numbers, schedule calculation rules/criteria, or the Activity Coding Structure required.
- 1.13.6. Schedule update will form basis upon which Tenant Improvement Payments will be made.
- 1.13.7. District will not be obligated to review or process Application for Payment until schedule and Progress Report have been submitted.

1.14. DISTRIBUTION

- 1.14.1. Following joint review and acceptance of updated schedules distribute copies to District, Architect, and all other concerned parties.
- 1.14.2. Instruct recipients to promptly report in writing any problem anticipated by projections shown in schedule.

2. PRODUCTS

2.1. SCHEDULING SOFTWARE

Contractor shall utilize District approved software for scheduling software and shall employ the Critical Path Method (CPM) in the development and maintenance of the Construction Schedule. The scheduling software shall be capable of being resource loaded with manpower, costs and materials. It shall also be capable of generating time-scaled logic diagrams, resource histograms and profiles, bar charts, layouts and reports with any and/or all activity detail.

2.2. ELECTRONIC DATA

Provide compact disk(s) that contain a back-up of the Proposed Baseline Schedule data on it. The electronic P6 files shall be saved in ".XER" type format.

SUBMITTALS

1. GENERAL

1.1. SUBMITTAL PROCEDURES – USE OF SOFTWARE

- 1.1.1. CONTRACTOR SHALL UTILIZE DISTRICT APPROVED SOFTWARE FOR THE SUBMITTAL PROCESS**
- 1.1.2.** Contractor shall transmit each submittal in conformance with requirements of this Document. For each submittal, Contractor shall:
 - 1.1.2.1.** Sequentially number the transmittal forms. Resubmitted submittals must have the original number with an alphabetic suffix;
 - 1.1.2.2.** Identify Project and Architect's project number, Contractor, Subcontractor or supplier; pertinent Drawing sheet and detail number(s), and specification Section number, as appropriate;
 - 1.1.2.3.** Apply Contractor's stamp, signed or initialed certifying that review, verification of Products required, field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the Work and Contract Documents. Submittals without Contractor's stamp and signature will be returned without review.
- 1.1.3.** Coordinate preparation and processing of submittals with performance of Work. Transmit each submittal sufficiently in advance of performance of Work to avoid delay.
 - 1.1.3.1.** Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
 - 1.1.3.2.** Coordinate transmittal of different types of submittals for related parts of Work so processing will not be delayed because of the need to review submittals concurrently for coordination.
 - 1.1.3.3.** Architect reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are received.
- 1.1.4.** Comply with Contract Documents for list of submittals and time requirements for scheduled performance of Work.
- 1.1.5.** No extension of Contract Time will be authorized because of failure to transmit submittals to the Architect sufficiently in advance of the Work to permit processing.
- 1.1.6.** Identify variations from Contract Documents and Product or system limitations which may be detrimental to successful performance of the completed Work.
- 1.1.7.** Provide space for Contractor and Architect review stamps.
- 1.1.8.** Revise and resubmit submittals as required, identify all changes made since previous submittal.
- 1.1.9.** Distribute copies of reviewed submittals to concerned parties. Instruct parties to promptly report any inability to comply with provisions.
- 1.1.10.** Submittals not requested will not be recognized or processed. Submittals not requested will be returned without review.

1.2. SHOP DRAWINGS

- 1.2.1.** Do not reproduce Contract Documents or copy standard information as the basis of shop drawings. Standard information prepared without specific reference to the Project is not a shop drawing.
- 1.2.2.** Do not use or allow others to use Shop Drawings which have been submitted and have been rejected.

1.3. ELECTRONIC SUBMITTAL PROCESS

- 1.3.1. Submittal Procedure for Large Format shop drawings.**
 - 1.3.1.1.** Contractor shall provide six (6) paper copies and of the large format Shop Drawings directly to the District and the Construction Manager (CM) and Contractor will provide an electronic transmittal (with a detailed description of the submittal including the subject, specification number and number of drawings) using the District approved software/program.

- 1.3.1.2. Contractor shall verify that the Submittal Schedule and all submittal log(s) are accurate and up to date.
- 1.3.1.3. The District and Architect will review and markup each Submittal and provide changes to Contractor for Contractor's incorporation into the Submittal.
- 1.3.1.4. This process will continue until the Contractor has provided a Submittal that is acceptable to the District and the Architect.
- 1.3.1.5. Once a Submittal is accepted, the District will provide a final accepted Submittal to the Contractor and the Contractor will closeout that one Submittal.
- 1.3.1.6. Contractor shall send one (1) copy of the completed record submittal of the large format documents to a vendor (Ford Graphics is suggested) and using the District approved software/program.

1.3.2. Product Data, Calculations and Small Format Drawings

- 1.3.2.1. Contractor shall upload/post one (1) electronic copy (from manufacturer's website or pre-scanned) of the product literature, data, calculations, and/or small format shop drawings using the District approved software/program with a Transmittal (with a detailed description of the submittal) directly to the CM.
- 1.3.2.2. The District and Architect will review and markup each Submittal and provide changes to Contractor for Contractor's incorporation into the Submittal.
- 1.3.2.3. This process will continue until the Contractor has provided a Submittal that is acceptable to the District and the Architect.
- 1.3.2.4. Once a Submittal is accepted, the District will provide a final accepted Submittal to the Contractor and the Contractor will closeout that one Submittal.
- 1.3.2.5. Contractor shall send one (1) copy of the completed record submittal of the large format documents to a vendor for scanning and posting using the District approved software/program.

1.3.3. Sample Submittal Procedure – (Product / Assembly Samples)

- 1.3.3.1. Contractor shall provide four (4) physical samples directly to the District and the CM and Contractor will provide an electronic transmittal (with a detailed description of the submittal including the subject, specification number and number of drawings) using the District approved software/program.
- 1.3.3.2. The District and Architect will review and markup each Submittal and provide changes to Contractor for Contractor's incorporation into the Submittal.
- 1.3.3.3. This process will continue until the Contractor has provided a Submittal that is acceptable to the District and the Architect.
- 1.3.3.4. Once a Submittal is accepted, the District will provide a final accepted Submittal to the Contractor and the Contractor will closeout that one Submittal.
- 1.3.3.5. Contractor shall send one (1) copy of the completed record submittal of the large format documents to a vendor (Ford Graphics is suggested) for using the District approved software/program.

1.4. PRODUCT DATA

In addition to the above requirements, mark each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information unique to this Project.

1.5. SAMPLES

- 1.5.1. In addition to the above requirements, submit samples to illustrate functional and aesthetic characteristics of the Product in accordance with this Document, with integral parts and attachment devices. Coordinate sample submittals for interfacing work.
- 1.5.2. Where specific colors or patterns are not indicated, provide materials and products specified in the full range of color, texture and pattern for selection by District. Range shall include standard stocked color/texture/pattern, standard color/texture/pattern not stocked, but available from manufacturer, and special color/ texture/pattern

available from manufacturer as advertised in product data and brochures. Unless otherwise indicated in individual specification sections, District may select from any range at no additional cost to District.

- 1.5.3. Include identification on each sample, with full Project information.
- 1.5.4. Submit the number of samples that Contractor requires, plus one that will be retained by Architect and one by District.
- 1.5.5. Reviewed samples which may be used in the Work are indicated in individual specification Sections.

1.6. MANUFACTURER'S INSTRUCTION

- 1.6.1. When specified in individual specification Sections, submit manufacturers' printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, in quantities specified for Product Data.
- 1.6.2. Identify conflicts between manufacturers' instructions and Contract Documents.

1.7. MANUFACTURER'S CERTIFICATES

- 1.7.1. When specified in individual specification Sections, submit manufacturers' certificate to Architect for review, in quantities specified for Product Data.
- 1.7.2. Indicate material or Product conforms to or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
- 1.7.3. Certificates may be recent or previous test results on material or Product, but must be acceptable to District.

1.8. MOCK-UP

- 1.8.1. Where indicated, provide mock-ups as required. Mock-ups shall be prepared per the specifications and shall accurately and reasonably represent the quality of construction the Contractor will provide. If the mock-up or portions thereof do not adequately represent the quality of the work specified, the Contractor shall modify it as needed.
- 1.8.2. Once completed to the District's satisfaction, the mock-up shall serve as the standard of quality for the work.
- 1.8.3. All mock-ups, at District's option, shall remain the property of the District. If not required by the District, Contractor shall remove and dispose of the mock-up.
- 1.8.4. Where indicated, on-site mock-ups, if accepted, may be integrated into the Work.

1.9. DEFERRED APPROVAL REQUIREMENTS

- 1.9.1. Installation of deferred approval items shall not be started until detailed plans, specifications, and engineering calculations have been accepted and signed by the Architect or Engineer in general responsible charge of design and signed by a California registered Architect or professional engineer who has been delegated responsibility covering the work shown on a particular plan or specification and approved by the Division of the State Architect (DSA). Deferred approval items for this Project are as indicated in the Contract Documents.
- 1.9.2. Deferred approval drawings and specifications become part of the approved documents for the Project when they are submitted to and approved by DSA.
- 1.9.3. Submit material using electronic submittal process as defined above.
- 1.9.4. Identify and specify all supports, fasteners, spacing, penetrations, etc., for each of the deferred approval items, including calculations for each and all fasteners.
- 1.9.5. Submit documents to Architect for review prior to requesting that the Architect forward it to the DSA.
- 1.9.6. Documents shall bear the stamp and signature of the Structural, Mechanical, or Electrical Engineer licensed in California who is responsible for that work.
- 1.9.7. Architect and its subconsultants will review the documents only for conformance with design concept. The Architect will then forward the Submittal to DSA for approval.
- 1.9.8. Contractor shall respond to review comments made by DSA and revise and resubmit submittal to the Architect for re-submittal to DSA for final approval.

REGULATORY REQUIREMENTS

1. GENERAL

1.1. DESCRIPTION

This section covers the general requirements for regulatory requirements pertaining to the Work and is supplementary to all other regulatory requirements mentioned or referenced elsewhere in the Contract Documents.

1.2. REQUIREMENTS OF REGULATORY AGENCIES

- 1.2.1. All statutes, ordinances, laws, rules, codes, regulations, standards, and the lawful orders of all public authorities having jurisdiction of the Work, are hereby incorporated into the Contract Documents as if repeated in full herein and are intended to be included in any reference to Code or Building Code, unless otherwise specified, including, without limitation, the references in the list below. Contractor shall make available at the Site copies of all the listed documents applicable to the Work as the District and/or Architect may request, including, without limitation, applicable portions of the California Code of Regulations (C.C.R.).
- 1.2.2. This Project shall be governed by applicable regulations, including, without limitation, the State of California's Administrative Regulations for the Division of the State Architect-Structural Safety (DSA/SS), Chapter 4, Part 1, Title 24, C.C.R., and the most current version on the date the Contract is executed and as it pertains to school construction including, without limitation:
 - 1.2.2.1. Test and testing laboratory pursuant to Section 4-335 (District shall pay for the testing laboratory).
 - 1.2.2.2. All special inspections pursuant to Section 4-333(d).
 - 1.2.2.3. Contractor shall submit verified reports pursuant to Section 4-336 & 4-343(c).
 - 1.2.2.4. Administration
 - 1.2.2.4.1. Duties of the Architect and Engineers shall be pursuant to Section and 4-341.
 - 1.2.2.4.2. Duties of Contractor shall be pursuant Section 4-343.
 - 1.2.2.4.3. Verified Reports shall be pursuant to Section 4-336.
 - 1.2.2.5. Contractor shall keep and make available a copy of Part 1 and 2 of the most current version of C.C.R., Title 24 at the Site during construction.
 - 1.2.2.6. Contractor shall notify the Division of State Architect (DSA) upon the start of construction pursuant to Section 4-331.
 - 1.2.2.7. Addenda and Change Orders shall be pursuant to Section 4-338.
- 1.2.3. Items of deferred approval shall be clearly marked on the first sheet of the Architect's and/or Engineer's approved Drawings. All items later submitted for approval shall be pursuant to Title 24 requirements to the DSA.
 - 1.2.3.1. Building Standards Administrative Code, C.C.R., Title 24, Part 1..
 - 1.2.3.2. California Building Code (CBC), C.C.R., Title 24, Part 2.; (Uniform Building code volumes 1-3 and California Amendments).
 - 1.2.3.3. California Electrical Code (CEC), C.C.R., Title 24, Part 3 ; (National Electrical Code and California Amendments).
 - 1.2.3.4. California Mechanical Code (CMC), C.C.R., Title 24, Part 4 ; (Uniform Mechanical Code and California Amendments).
 - 1.2.3.5. California Plumbing Code (CPC), C.C.R., Title 24, Part 5; (Uniform Plumbing Code and California Amendments).
 - 1.2.3.6. California Fire Code (CFC), C.C.R., Title 24, Part 9; (Fire Plumbing Code and California Amendments).
 - 1.2.3.7. California Referenced Standards Code, C.C.R., Title 24, Part 12.
 - 1.2.3.8. State Fire Marshal Regulations, C.C.R., Title 19, Public Safety.
 - 1.2.3.9. Partial List of Applicable NFPA Standards:
 - 1.2.3.9.1. NFPA 13 - Automatic Sprinkler System.

- 1.2.3.9.2. NFPA 14 - Standpipes Systems.
- 1.2.3.9.3. NFPA 17A - Wet Chemical System
- 1.2.3.9.4. NFPA 24 - Private Fire Mains.
- 1.2.3.9.5. (California Amended) NFPA 72 - National Fire Alarm Codes.
- 1.2.3.9.6. NFPA 253 - Critical Radiant Flux of Floor Covering System.
- 1.2.3.9.7. FPA 2001 - Clean Agent Fire Extinguishing Systems.
- 1.2.3.10. California Division of the State Architect Interpretation of Regulations Manual.

TESTING LABORATORY SERVICES

1. GENERAL

1.1. REFERENCES

- 1.1.1. ASTM D3740 - Practice for Evaluation of Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction.
- 1.1.2. ASTM E329 - Recommended Practice for Inspection and Testing Agencies for Concrete, Steel, and Bituminous Materials as Used in Construction.
- 1.1.3. CBC - California Building Code.
- 1.1.4. UBC - Uniform Building Code.
- 1.1.5. Title 24, Parts 1 and 2, of the California Code of Regulations. Contractor shall keep a copy of these available at the job Site for ready reference during construction
- 1.1.6. DSA - Division of the State Architect, Office of Regulation Services, Structural Safety Section. DSA shall be notified at or before the start of construction.

1.2. OBSERVATION AND SUPERVISION

- 1.2.1. The District and Construction Manager or their appointed representatives will review the Work and the Contractor shall provide facilities and access to the Work at all times as required to facilitate this review. Administration by the Architect and any consulting Structural Engineer will be in accordance with applicable regulations, including, without limitation, 24 C.C.R. §4-341.
- 1.2.2. One or more Project Inspector(s) approved by DSA and employed by or in contract with the District("Project Inspector"), will observe the Work in accordance with 24 C.C.R. §§4-333(b) and 4-342:
- 1.2.3. Project Inspector shall have access to the Work wherever it is in preparation or progress for ascertaining that the Work is in accordance with the Contract Documents and all applicable code sections. Contractor shall provide facilities and access as required and shall provide assistance for sampling or measuring materials.
 - 1.2.3.1. Project Inspector will notify District and Architect and inform Contractor of any observed failure of Work or material to conform to Contract Documents.
 - 1.2.3.2. The Project Inspector shall observe and monitor all testing and inspection activities required.
- 1.2.4. Contractor shall conform with all applicable laws as indicated in the Contract Documents, including, without limitation, to 24 C.C.R. §4-343. Contractor shall supervise and direct the Work and maintain a competent superintendent on the Project who is authorized to act in all matters pertaining to the Work. The Contractor shall inspect all materials, as they arrive, for compliance with the Contract Documents. Contractor shall reject defective Work or materials immediately upon delivery or failure of the Work or material to comply with the Contract Documents. The Contractor shall submit verified reports as indicated in the Contract Documents, including, without limitation, the Specifications and as required by 24 C.C.R. §4-336.

1.3. TESTS AND INSPECTIONS

- 1.3.1. Contractor shall be responsible for notifying District and Project Inspector of all required tests and inspections. Contractor shall notify District and Project Inspector forty-eight (48) hours in advance of performing any Work requiring testing or inspection.
- 1.3.2. Contractor shall provide access to Work to be tested and furnish incidental labor, equipment, and facilities to facilitate all inspections and tests.
- 1.3.3. District will pay for first inspections and tests required by the Title 24 and other inspections or tests that District and/or Architect may direct to have made, including, but not limited to, the following principal items:
 - 1.3.3.1. Tests and observations for earthwork and pavings.
 - 1.3.3.2. Tests for concrete mix designs, including tests of trial batches.
 - 1.3.3.3. Tests and inspections for structural steel work.
 - 1.3.3.4. Field tests for framing lumber moisture content.

- 1.3.3.5. Additional tests directed by District that establish that materials and installation comply with the Contract Documents.
 - 1.3.3.6. Test and observation of welding and expansion anchors.
 - 1.3.3.7. Factory observation of components and assembly of modular prefabrication structures and buildings.
 - 1.3.4. District may at its discretion, pay and then back charge Contractor for:
 - 1.3.4.1. Retests or reinspections, if required, and tests or inspection required due to Contractor error or lack of required identifications of material.
 - 1.3.4.2. Uncovering of work in accordance with Contract Documents.
 - 1.3.4.3. Testing done on weekends, holidays, and overtime will be chargeable to Contractor for the overtime portion.
 - 1.3.4.4. Testing done off site.
 - 1.3.5. Testing and inspection reports and certifications:
 - 1.3.5.1. If initially received by Contractor, Contractor shall provide to each of the following a copy of the agency or laboratory report of each test or inspection or certification: District; Construction Manager, if any; Architect; Consulting Engineer, if any; Other Engineers on the Project, as appropriate; and; Project Inspector.
 - 1.3.5.2. When the test or inspection is one required by the Title 24, a copy of the report shall also be provided to the DSA.
- 1.4. **SELECTION AND PAYMENT**
 - 1.4.1. District's hiring of Testing Laboratory shall in no way relieve Contractor of its obligation to perform work in accordance with requirements of Contract Documents.
- 1.5. **CONTRACTOR RESPONSIBILITIES**
 - 1.5.1. Submit proposed items for testing as required herein and/or as further required in the Contract Documents to Architect for review in accordance with applicable specifications.
 - 1.5.2. Cooperate with Laboratory personnel, and provide access to the Work and to manufacturer's facilities.
 - 1.5.3. Notify Architect, District, and Testing Laboratory 48 hours prior to expected time for operations requiring inspection and testing services.
 - 1.5.4. When tests or inspections cannot be performed after such notice, reimburse District for Laboratory personnel and travel expenses incurred due to the Contractor's negligence.
 - 1.5.5. Contractor shall notify District a sufficient time in advance of the manufacture of material to be supplied by Contractor pursuant to the Contract Documents, which must by terms of the Contract be tested, in order that the District may arrange for the testing of same at the source of supply.
 - 1.5.5.1. Any material shipped by the Contractor from the source of supply prior to having satisfactorily passed such testing and inspection or prior to the receipt of notice that such testing and inspection will not be required shall not be incorporated in the Work.
 - 1.5.6. Contract and pay for services of District's Testing Laboratory to perform additional inspections, sampling and testing required when initial tests indicate Contractor's work and/or materials does not comply with Contract Documents.
- 1.6. **PROJECT INSPECTOR'S ACCESS TO SITE**
 - 1.6.1. A Project Inspector employed by the District in accordance with the requirement of State of California Code of Regulations, Title 24, Part 1 will be assigned to the Work. Project Inspector's duties are specifically defined in 24. C.C.R. §4-342, and as indicated in the General Construction Provisions (Exhibit D to the Facilities Lease).
 - 1.6.2. District and Construction Manager shall at all times have access for the purpose of inspection to all parts of the Work and to the shops wherein the Work is in preparation, and Contractor shall at all times maintain proper facilities and provide safe access for such inspection.

- 1.6.3. The Work in all stages of progress shall be subject to the personal continuous observation of the Inspector. Inspector shall have free access to any or all parts of the Work at any time. Contractor shall furnish the Inspector reasonable facilities for obtaining such information as may be necessary to keep Inspector fully informed respecting the progress and manner of the Work and the character of the materials. Inspection of the Work shall not relieve the Contractor from any obligation set forth in the Contract Documents.
- 1.6.4. The Inspector is not authorized to change, revoke, alter, enlarge or decrease in any way any requirement of the Contract Documents, drawings, specifications or subsequent change orders.
- 1.6.5. Whenever there is insufficient evidence of compliance with any of the provisions of Title 24 or evidence that any material or construction does not conform to the requirements of Title 24, the Division of the State Architect may require tests as proof of compliance. Test methods shall be as specified herein or by other recognized and accepted test methods determined by the Division of the State Architect. All tests shall be performed by a testing laboratory accepted by the Division of the State Architect.

TEMPORARY FACILITIES AND CONTROLS

1. GENERAL

1.1. LOGISTICS PLAN

Contractor shall provide to the District for prior approval the Contractor's mobilization and logistics plan for the Site which shall include, at a minimum, the provisions herein.

1.2. TEMPORARY UTILITIES

1.2.1. Electric Power and Lighting

1.2.1.1. Contractor will furnish and pay for power during the course of the work to the extent power is not in the building(s) or on the Site. Contractor shall be responsible for providing temporary facilities required on the Site to point of intended use.

1.2.1.2. Contractor shall furnish, wire for, install, and maintain temporary electrical lights wherever it is necessary to provide illumination for the proper performance and/or observation of the Work: a minimum of 20 foot-candles for rough work and 50 foot-candles for finish work.

1.2.1.3. Contractor shall be responsible for maintaining existing lighting levels in the Project vicinity should temporary outages or service interruptions occur.

1.2.2. Heat and Ventilation

1.2.2.1. Contractor shall provide temporary heat to maintain environmental conditions to facilitate progress of the Work, to meet specified minimum conditions for the installation and curing of materials, and to protect materials and finishes from damage due to improper temperature and humidity conditions. Portable heaters shall be standard units complete with controls.

1.2.2.2. Contractor shall provide forced ventilation and dehumidification, as required, of enclosed areas for proper installation and curing of materials, to disperse humidity, and to prevent accumulations of dust, fumes, vapors, and gases.

1.2.2.3. Contractor shall pay the costs of installation, maintenance, operation, and removal of temporary heat and ventilation, including costs for fuel consumed, required for the performance of the Work.

1.2.3. Water

1.2.3.1. Contractor will furnish and pay for water during the course of the work. Contractor shall be responsible for providing temporary facilities required.

1.2.3.2. Contractor shall make potable water available for human consumption.

1.2.4. Sanitary Facilities

1.2.4.1. Contractor shall provide sanitary temporary facilities in no fewer numbers than required by law and such additional facilities as may be directed by the Inspector for the use of all workers. The facilities shall be maintained in a sanitary condition at all times and shall be left at the Site until removal is directed by the Project Inspector or Contractor completes all Work.

1.2.4.2. Use of toilet facilities in the Work shall not be permitted except by consent of the Project Inspector and District.

1.2.5. Telephone and Internet Service

1.2.5.1. Contractor shall arrange with local telephone and internet service company(ies) for service for the performance of the Work. Contractor shall, at a minimum, provide in all District field offices, one line for telephone, one line for fax machine, and one line for internet access. The Phone equipment must include speakerphone, intercom, conference call, flash, redial, call hold and voice mail. Internet speed spec should be 25/25 mbps or faster and WiFi speed specification shall utilize 802.11AC IEE standard or better.

1.2.5.2. Contractor shall pay the costs for internet, telephone, and fax lines installation, maintenance, service, and removal; for Construction Site Office, Construction Manager's Office and Inspector's Office.

1.2.6. Fire Protection:

- 1.2.6.1. Contractor shall provide and maintain fire extinguishers and other equipment for fire protection. Such equipment shall be designated for use for fire protection only and shall comply with all requirements of the California Fire, State Fire Marshall and/or its designee.
- 1.2.6.2. Where on-site welding and burning of steel is unavoidable, Contractor shall provide protection for adjacent surfaces.

1.2.7. Custodial Service and Trash Removal:

Contractor shall provide custodial service and trash removal on a timely basis, not less than weekly for all Site Offices, restroom(s), and the Site.

1.2.8. Temporary Facilities:

- 1.2.8.1. Contractor shall coordinate floor plan and location of electrical, telephone, data outlets with District prior to ordering and delivering the trailer.
- 1.2.8.2. Contractor shall provide the following minimum facilities, trailers, offices, and services, fully furnished for the exclusive use by the District including desks, chairs, plan tables, etc.:
 - 1.2.8.2.1. One (1) office trailer with two (2) separate offices with windows and lockable doors
 - 1.2.8.2.2. One (1) bathroom
 - 1.2.8.2.3. One (1) conference room with a table and adequate seating for twelve (12)
- 1.2.8.3. Contractor will provide furnishings in the following quantities, to be set in rooms and position as directed by the District upon delivery:
 - 1.2.8.3.1. **1 per office** rolling mid-back task chairs, with arms
 - 1.2.8.3.2. **1 per office space:** double pedestal metal desks, 29" x 72" x 36", HON or equal
 - 1.2.8.3.3. **1 per office space and in meeting conference area:** metal bookcases, three shelf, 41"x34"x12"
 - 1.2.8.3.4. 1 resin folding table 29"x30"x72"
 - 1.2.8.3.5. 8 padded meeting chairs, Global or equal
 - 1.2.8.3.6. **1 per office:** four drawer, legal size lateral files, HON 500 series or equal
 - 1.2.8.3.7. Provide and install 2 "Plan-Hold" wall-mounted 42" wide plan racks with 36 individual plan holders each
 - 1.2.8.3.8. Provide and install 1 large white board in one conference room, 48" 72"
 - 1.2.8.3.9. Provide and install 1 large tack board in one conference room 48" x 72"
 - 1.2.8.3.10. Provide Canon all-in-one copier, printer, fax and printer, model Image Class MF733CDW or equal, with maintenance plan

1.3. CONSTRUCTION AIDS

1.3.1. Plant and Equipment:

- 1.3.1.1. Contractor shall furnish, operate, and maintain a complete plant for fabricating, handling, conveying, installing, and erecting materials and equipment; and for conveyances for transporting workmen. Include elevators, hoists, debris chutes, and other equipment, tools, and appliances necessary for performance of the Work.
- 1.3.1.2. Contractor shall maintain plant and equipment in safe and efficient operating condition. Damages due to defective plant and equipment, and uses made thereof, shall be repaired by Contractor at no expense to the District.
- 1.3.2. No District tools or equipment shall be used by Contractor for the performance of the Work.

1.4. BARRIERS AND ENCLOSURES

- 1.4.1. Contractor shall obtain District's written permission for locations and types of temporary barriers and enclosures, including fire-rated materials proposed for use, prior to their installation.
- 1.4.2. Contractor shall provide a six (6) foot high, chain link perimeter fence with post driven into the ground and fabric screen as a temporary barrier around construction area. Contractor shall provide and maintain temporary enclosures to prevent public entry and to protect persons using other buildings and portions of the Site and/or Premises. Contractor shall remove temporary fence, barriers and enclosure upon Completion of the Work.
- 1.4.3. Contractor shall provide site access to existing facilities for persons using other buildings and portions of the Site, the public, and for deliveries and other services and activities.

1.5. SECURITY

- 1.5.1. Contractor shall secure all construction equipment, machinery and vehicles, park and store only within fenced area, and render inoperable during non-work hours. Contractor is responsible for insuring that no construction materials, tools, equipment, machinery or vehicles can be used for unauthorized entry or other damage or interference to activities and security of existing facilities adjacent to and in the vicinity of the Project Site(s).
- 1.5.2. Contractor shall provide a security guard located on the Project Site(s) during non-working hours.

1.6. TEMPORARY CONTROLS

1.6.1. Noise Control

- 1.6.1.1. Contractor acknowledges that adjacent facilities may remain in operation during all or a portion of the Work, and it shall take all reasonable precautions to minimize noise as required by applicable laws and the Contract Documents.
- 1.6.1.2. Notice of proposed noisy operations, including without limitation, operation of pneumatic demolition tools, concrete saws, and other equipment, shall be submitted to District a minimum of forty-eight (48) hours in advance of their performance.

1.6.2. Noise and Vibration

- 1.6.2.1. Equipment and impact tools shall have intake and exhaust mufflers.
- 1.6.2.2. Contractor shall cooperate with District to minimize and/or cease the use of noisy and vibratory equipment if that equipment becomes objectionable by its longevity.

1.6.3. Dust and Dirt

- 1.6.3.1. Contractor shall conduct demolition and construction operations to minimize the generation of dust and dirt, and prevent dust and dirt from interfering with the progress of the Work and from accumulating in the Work and adjacent areas including, without limitation, occupied facilities, and off-site adjacent properties.
- 1.6.3.2. Contractor shall periodically water exterior demolition and construction areas to minimize the generation of dust and dirt.
- 1.6.3.3. Contractor shall ensure that all hauling equipment and trucks carrying loads of soil and debris shall have their loads sprayed with water or covered with tarpaulins, and as otherwise required by local and state ordinance.
- 1.6.3.4. Contractor shall prevent dust and dirt from accumulating on walks, roadways, parking areas, and planting, and from washing into sewer and storm drain lines.

1.6.4. Water

Contractor shall not permit surface and subsurface water, and other liquids, to accumulate in or about the vicinity of the Premises. Should accumulation develop, Contractor shall control the water or other liquid, and suitably dispose of it by means of temporary pumps, piping, drainage lines, troughs, ditches, dams, or other methods.

1.6.5. Pollution

- 1.6.5.1. No burning of refuse, debris, or other materials shall be permitted on or in the vicinity of the Premises.
- 1.6.5.2. Contractor shall comply with applicable regulatory requirements and anti-pollution ordinances during the conduct of the Work including, without limitation, demolition, construction, and disposal operations.

1.6.6. Lighting

If portable lights are used after dark, all light must be located so as not to direct light into neighboring property.

1.7. JOB SIGN(S)

1.7.1. General:

- 1.7.1.1. Contractor shall provide and maintain and locate a Project identification sign with the design, text, and colors designated by District and/or the Architect. Sign shall be protected in place and maintained by the Contractor.
- 1.7.1.2. Signs other than the specified Project sign and or signs required by law, for safety, or for egress, shall not be permitted, unless otherwise approved in advance by the District.

1.7.2. Materials:

- 1.7.2.1. Structure and Framing: Structurally sound, new or used wood or metal; wood shall be nominal 3/4-inch exterior grade plywood.
- 1.7.2.2. Sign Surface: Minimum 3/4-inch exterior grade plywood.
- 1.7.2.3. Sign shall be mounted on 4"x4" wooden posts embedded at least thirty six (36) inches into the soil or placed in concrete.
- 1.7.2.4. Paint: Exterior quality, of type and colors selected by the District and/or the Architect.

1.7.3. Fabrication:

- 1.7.3.1. Contractor shall fabricate to provide smooth, even surface for painting.
- 1.7.3.2. Size: 4'-0" x 8'-0", unless otherwise indicated.
- 1.7.3.3. Contractor shall paint exposed surfaces of supports, framing, and surface material with exterior grade paint: one coat of primer and one coat of finish paint.
- 1.7.3.4. Text and Graphics: As indicated.

1.8. PUBLICITY RELEASES

Contractor shall not release any information, story, photograph, plan, or drawing relating information about the Project to anyone, including press and other public communications medium, including, without limitation, on website(s). Contractor shall not bring anyone onto the Project Site(s) during or after construction for the purpose of publicity or marketing without prior written permission of the District.

SITE STANDARDS

1. GENERAL

1.1. REQUIREMENTS OF THE DISTRICT

1.1.1. Drug-Free Schools and Safety Requirements:

- 1.1.1.1. No drugs, alcohol, smoking or the use of tobacco products are allowed at any time in any buildings, Contractor-owned vehicles or vehicles owned by others while on District property. No students, staff, visitors, or contractors are to use drugs on these sites.
- 1.1.1.2. Contractor shall post: "Non-Smoking Area" in a highly visible location on Site. Contractor may designate a smoking area outside of District property within the public right-of-way, provided that this area remains quiet and unobtrusive to adjacent neighbors. This smoking area must be kept clean at all times.
- 1.1.1.3. Contractor shall ensure that no alcohol, firearms, weapons, or controlled substances enter or are used at the Site. Contractor shall immediately remove from the Site and terminate the employment of any employee(s) found in violation of this provision.

1.1.2. Language: Unacceptable and/or loud language will not be tolerated, "Cat calls" or other derogatory language toward students or public will not be allowed.

1.1.3. Disturbing the Peace (Noise and Lighting):

- 1.1.3.1. Contractor shall observe the noise ordinance of the Site at all times including, without limitation, all applicable local, city, and/or state laws, ordinances, and/or regulations regarding noise and allowable noise levels.
- 1.1.3.2. District reserves the right to prohibit the use of radios at the Site, except for handheld communication radios.
- 1.1.3.3. If portable lights are used after dark, the lights must be located so as not to direct light into neighboring properties.

1.1.4. Traffic:

- 1.1.4.1. Driving on the Premises shall be limited to periods when students and public are not present. If driving or deliveries must be made during the school hours, two (2) or more ground guides shall lead the vehicle across the area of travel. In no case shall driving take place across playgrounds or other pedestrian paths during recess, lunch, and/or class period changes. The speed limit on-the Premises shall be five (5) miles per hour (maximum) or less if conditions require. Contractor shall not have any deliveries to the Project during the hour before school begins at the Site and during the half hour after school ends at the Site without prior written permission from the Construction Manager or the District.
- 1.1.4.2. All paths of travel for deliveries, including without limitation, material, equipment, and supply deliveries, shall be reviewed and approved by District in advance.
- 1.1.4.3. District shall designate a construction entry to the Site. If Contractor requests, District determines it is required, and to the extent possible, District shall designate a staging area so as not to interfere with the normal functioning of school facilities. Location of gates and fencing shall be approved in advance with District and at Contractor's expense.
- 1.1.4.4. Parking areas shall be reviewed and approved by District in advance. No parking is to occur under the drip line of trees or in areas that could otherwise be damaged.
- 1.1.4.5. All of the above shall be observed and complied with by the Contractor and all workers on the Site. Failure to follow these directives could result in individual(s) being suspended or removed from the work force at the discretion of the District. The same rules and regulations shall apply equally to delivery

personnel, inspectors, consultants, and other visitors to the Site.

Form Agreement

TEMPORARY TREE AND PLANT PROTECTION

WHERE SUBSTANTIAL TREE PROTECTION WILL BE REQUIRED ON THE SITE, OBTAIN AN ARBORIST TO REVIEW THIS DOCUMENT PRIOR TO CONSTRUCTION.

1. GENERAL

1.1. SUMMARY

This Document includes the protection and trimming of existing trees that interfere with, or are affected by, execution of the Work, whether temporary or permanent construction.

1.2. DEFINITIONS

Tree Protection Zone: Area surrounding individual trees or groups of trees to remain during construction, and defined by the drip line of individual trees or the perimeter drip line of groups of trees, unless otherwise indicated.

1.3. SUBMITTALS

- 1.3.1. Product Data: For each type of product indicated.
- 1.3.2. Tree Pruning Schedule: Written schedule from arborist detailing scope and extent of pruning of trees to remain that interfere with or are affected by construction.
- 1.3.3. Qualification Data: For tree service firm and arborist.
- 1.3.4. Certification: From arborist, certifying that trees indicated to remain have been protected during construction according to recognized standards and that trees were promptly and properly treated and repaired when damaged.
- 1.3.5. Maintenance Recommendations: From arborist, for care and protection of trees affected by construction during and after completing the Work.

1.4. QUALITY ASSURANCE

- 1.4.1. Tree Service Firm Qualifications: An experienced tree service firm that has successfully completed tree protection and trimming work similar to that required for this Project and that will assign an experienced, qualified arborist to Project Site(s) during execution of tree protection and trimming.
- 1.4.2. Arborist Qualifications: An arborist certified by ISA (International Society of Arboriculture) or licensed in the jurisdiction where Project is located.
- 1.4.3. Tree Pruning Standard: Comply with ANSI A300 (Part 1), "Tree, Shrub, and Other Woody Plant Maintenance--Standard Practices (Pruning)."
 - 1.4.3.1. Before tree protection and trimming operations begin, meet with District to review tree protection and trimming procedures and responsibilities.

2. PRODUCTS

2.1. MATERIALS

- 2.1.1. Drainage Fill: Selected crushed stone, or crushed or uncrushed gravel, washed, ASTM D 448, Size 24, with 90 to 100 percent passing a 2-1/2-inch (63-mm) sieve and not more than 10 percent passing a 3/4-inch (19-mm) sieve.
- 2.1.2. Topsoil: Natural or cultivated surface-soil layer containing organic matter and sand, silt, and clay particles; friable, pervious, and black or a darker shade of brown, gray, or red than underlying subsoil; reasonably free of subsoil, clay lumps, gravel, and other objects more than 1 inch (25 mm) in diameter; and free of weeds, roots, and toxic and other nonsoil materials.
 - 2.1.2.1. Obtain topsoil only from well-drained sites where topsoil is 4 inches (100 mm) deep or more; do not obtain from bogs or marshes.
- 2.1.3. Filter Fabric: Manufacturer's standard, nonwoven, pervious, geotextile fabric of polypropylene, nylon, or polyester fibers.
- 2.1.4. Chain-Link Fence: Metallic-coated steel chain-link fence fabric of 0.120-inch- (3-mm-) diameter wire; a minimum of 48 inches (1200 mm) high; with 1.9-inch- (48-mm-) diameter line posts; 2-3/8-inch- (60-mm-) diameter terminal and corner posts; 1-5/8-inch- (41-mm-) diameter top rail; and 0.177-inch- (4.5-mm-) diameter bottom tension wire; with tie wires, hog ring ties, and other accessories for a complete fence system.

- 2.1.5. Select mulch as recommended by arborist or landscape architect.
- 2.1.6. Organic Mulch: Use shredded hardwood, ground or shredded bark, or wood and bark chips, all free of deleterious materials.

3. EXECUTION

3.1. PREPARATION

- 3.1.1. Temporary Fencing: Install temporary fencing around tree protection zones to protect remaining trees and vegetation from construction damage. Maintain temporary fence and remove when construction is complete.
- 3.1.2. Install chain-link fence according to ASTM F 567 and manufacturer's written instructions.
- 3.1.3. Protect tree root systems from damage caused by runoff or spillage of noxious materials while mixing, placing, or storing construction materials. Protect root systems from ponding, eroding, or excessive wetting caused by dewatering operations.
- 3.1.4. Mulch areas inside tree protection zones and other areas indicated.
 - 3.1.4.1. Select mulch as recommended by arborist or landscape architect.
 - 3.1.4.2. Apply 2-inch (50-mm) to 3-inch (75-mm) average thickness of organic mulch. Do not place mulch within 6 inches (150 mm) of tree trunks.
- 3.1.5. Do not store construction materials, debris, or excavated material inside tree protection zones. Do not permit vehicles or foot traffic within tree protection zones; prevent soil compaction over root systems.
- 3.1.6. Maintain tree protection zones free of weeds and trash.
- 3.1.7. Do not allow fires within tree protection zones.

3.2. EXCAVATION

- 3.2.1. Install shoring or other protective support systems to minimize sloping or benching of excavations where construction or utility excavation is near trees to be protected.
- 3.2.2. Do not excavate within tree protection zones, unless otherwise indicated.
- 3.2.3. Where excavation for new construction is required within tree protection zones, hand clear and excavate to minimize damage to root systems. Use narrow-tine spading forks and comb soil to expose roots.
 - 3.2.3.1. Do not allow exposed roots to dry out before placing permanent backfill. Provide temporary earth cover or pack with peat moss and wrap with burlap. Water and maintain in a moist condition. Temporarily support and protect roots from damage until they are permanently relocated and covered with soil.
- 3.2.4. Where utility trenches are required within tree protection zones, tunnel under or around roots by drilling, auger boring, pipe jacking, or digging by hand.
 - 3.2.4.1. Root Pruning: Do not cut main lateral roots or taproots; cut only smaller roots that interfere with installation of utilities. Cut roots with sharp pruning instruments; do not break or chop.

3.3. REGRADING

- 3.3.1. Grade Lowering: Where new finish grade is indicated below existing grade around trees, slope grade beyond tree protection zones. Maintain existing grades within tree protection zones.
- 3.3.2. Grade Lowering: Where new finish grade is indicated below existing grade around trees, slope grade away from trees as recommended by arborist, unless otherwise indicated.
 - 3.3.2.1. Root Pruning: Prune tree roots exposed during grade lowering. Do not cut main lateral roots or taproots; cut only smaller roots. Cut roots with sharp pruning instruments; do not break or chop.
- 3.3.3. Minor Fill: Where existing grade is 6 inches (150 mm) or less below elevation of finish grade, fill with topsoil. Place topsoil in a single uncompacted layer and hand grade to required finish elevations.
- 3.3.4. Moderate Fill: Where existing grade is more than 6 inches (150 mm) but less than 12 inches (300 mm) below elevation of finish grade, place drainage fill, filter fabric, and

topsoil on existing grade as follows:

- 3.3.4.1. Carefully place drainage fill against tree trunk approximately 2 inches (50 mm) above elevation of finish grade and extend not less than 18 inches (450 mm) from tree trunk on all sides. For balance of area within drip-line perimeter, place drainage fill up to 6 inches (150 mm) below elevation of grade.
- 3.3.4.2. Place filter fabric with edges overlapping 6 inches (150 mm) minimum.
- 3.3.4.3. Place fill layer of topsoil to finish grade. Do not compact drainage fill or topsoil. Hand grade to required finish elevations.

3.4. TREE PRUNING

- 3.4.1. Prune trees to remain that are affected by temporary and permanent construction.
- 3.4.2. Prune trees to remain to compensate for root loss caused by damaging or cutting root system. Provide subsequent maintenance during Contract period as recommended by arborist.
- 3.4.3. Pruning Standards: Prune trees according to ANSI A300 (Part 1), as recommended by arborist report.
- 3.4.4. Adjust pruning requirements per arborist's recommendations.
- 3.4.5. Cut branches with sharp pruning instruments; do not break or chop.
- 3.4.6. Modify below to specific project requirements.
- 3.4.7. Chip removed tree branches and dispose of or spread over areas identified by District.

3.5. TREE REPAIR AND REPLACEMENT

- 3.5.1. Promptly repair trees damaged by construction operations within 24 hours. Treat damaged trunks, limbs, and roots according to arborist's written instructions.
- 3.5.2. Remove and replace trees indicated to remain that die or are damaged during construction operations or that are incapable of restoring to normal growth pattern.
 - 3.5.2.1. Provide new trees of 6-inch (150-mm) caliper size and of a when damaged trees more than 6 inches (150 mm) in caliper size, measured 12 inches (300 mm) above grade, are required to be replaced. Plant and maintain new trees as specified in Contract Documents.
- 3.5.3. Where recommended by arborist report, aerate surface soil, compacted during construction, 10 feet (3 m) beyond drip line and no closer than 36 inches (900 mm) to tree trunk. Drill 2-inch (50-mm) diameter holes a minimum of 12 inches (300 mm) deep at 24 inches (600 mm) o.c. Backfill holes with an equal mix of augered soil and sand.

3.6. DISPOSAL OF WASTE MATERIALS

- 3.6.1. Burning is not permitted.
- 3.6.2. Disposal: Remove excess excavated material and displaced trees from Site.

STORM WATER POLLUTION PREVENTION PLAN – CONSTRUCTION

PURSUANT TO THE PROVISIONS OF EXHIBIT D AND THE CONTRACT DOCUMENTS, CONTRACTOR SHALL PERFORM THE WORK OF THE PROJECT RELATED TO BEING THE DISTRICT'S QUALIFIED SWPPP (STORM WATER POLLUTION PREVENTION PLAN) PRACTITIONER ("QSP"). THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING PROVISIONS AND THE SWPPP. IF THE SWPPP CONTAINS OTHER MORE DETAILED OR CONFLICTING PROVISIONS AND/OR REQUIRES THE CONTRACTOR TO TAKE OTHER ACTIONS OR ACTIVITIES, THE CONTRACTOR MUST COMPLY WITH THE SWPPP.

1. INTRODUCTION

- 1.1. In order to enroll in the construction storm water permit and before construction activities begin, the District will file certain submittals referred to as Permit Registration Documents (PRDS) with the Regional Water Quality Control Board.

2. GENERAL

The Clean Water Act and Porter Cologne Water Quality Act prohibit the discharge of any water containing pollutants from certain construction sites unless a National Pollutant Discharge Elimination System permit is first obtained and followed. The National Pollutant Discharge Elimination System General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Construction Storm Water Permit) Order No. 2009-0009-DWQ as amended by Order No. 2010-0014-DWQ (NPDES No. CAS000002) issued by the California State Water Resources Control Board (State Water Board) authorizes the discharge of storm water and certain non-storm water from construction sites if certain conditions and measures are taken. The District has determined that the construction of this Project requires enrollment in the Construction Storm Water Permit.

3. SUBMITTALS

3.1. GENERAL

All submittals shall be made in a form conducive for the District to electronically upload the approved submittals to the Storm water Multi-Application Reporting and Tracking System (SMARTS).

3.2. RAIN EVENT ACTION PLAN (REAP)

- 3.2.1. A Rain Event Action Plan (REAP) is a written document, specific for each rain event. A REAP should be designed that when implemented it protects all exposed portions of the site within 48 hours of any likely. The General Permit requires Risk Level 2 and 3 dischargers to develop and implement a REAP designed to protect all exposed portions of their sites within 48 hours prior to any likely precipitation event. The REAP requirement is designed to ensure that the discharger has adequate materials, staff, and time to implement erosion and sediment control measures that are intended to reduce the amount of sediment and other pollutants generated from the active site. A REAP must be developed when there is likely a forecast of 50% or greater probability of precipitation in the project area. (The National Oceanic and Atmospheric Administration (NOAA) defines a chance of precipitation as a probability of precipitation of 30% to 50% chance of producing precipitation in the project area.¹⁴ NOAA defines the probability of precipitation (PoP) as the likelihood of occurrence (expressed as a percent) of a measurable amount (0.01 inch or more) of liquid precipitation (or the water equivalent of frozen precipitation) during a specified period of time at any given point in the forecast area.) Forecasts are normally issued for 12- hour time periods.

- 3.2.2. If the District's QSD determines that the site is a Risk Level 2 or 3 the Contractor's QSP shall prepare the REAP for the Work in compliance with the General Permit and the SWPPP.

3.3. RECORDS

All electronic and hardcopy records required by the Construction Storm Water Permit shall be submitted to the District within seven (7) days of Completion of the Project.

4. PERMIT REGISTRATION DOCUMENTS

Prior to any activities on Site that disturb the Site's surface, the Permit Registration Documents (PRDs) required by the Construction Storm Water Permit must be filed with the Regional Water Quality Control Board. The District shall file the PRDs with the Regional Water Quality Control Board to activate coverage under the Construction

Storm Water Permit.

5. IMPLEMENTATION REQUIREMENTS

- 5.1. Contractor shall not conduct any activities that may affect the Site's construction runoff water quality until the District provides Contractor with the Waste Discharger Identification Number (WDID) assigned to this Project by the State Water Board.
- 5.2. Contractor shall keep a copy of the approved SWPPP at the job site. The SWPPP shall be made available when requested by a representative of the Regional Water Quality Control Board, State Water Resources Control Board, United States Environmental Protection Agency, or the local storm water management agency. Requests from the public shall be directed to the District for response.
- 5.3. Contractor shall designate in writing to the District a Qualified SWPPP Practitioner (QSP) who shall be responsible for implementing the SWPPP, REAP (if applicable), ATS (if applicable), conducting non-storm water and storm water visual observations, and for ensuring that all best management practices (BMPs) required by the SWPPP and General Permit are properly implemented and maintained.
- 5.4. All measures required by the SWPPP shall be implemented concurrent with the commencement of construction. Pollution practices and devices shall be followed or installed as early in the construction schedule as possible with frequent upgrading of devices as construction progresses.
- 5.5. Contractor shall ensure that all measures are properly maintained and repaired to protect the water quality of discharges.

6. INSPECTION, SAMPLING, ANALYSIS, AND RECORD KEEPING REQUIREMENTS

The Contractor's QSP shall conduct all required visual observations, sampling, analysis, reporting, and record keeping required by the SWPPP and the Construction Storm Water Permit.

7. REPORTING REQUIREMENTS

Contractor shall prepare and provide all the reports, which include, but are not limited to the Annual Report and any NEL Violation Reports or NAL Exceedance Reports, all of which are required by the SWPPP and the Construction Storm Water Permit.

8. ANNUAL REPORT

By August 1 of each year (defined as July 1 to June 30) that had at least one continuous three (3) month period coverage under the General Permit, Contractor shall complete and submit to the District an Annual Report, as required by the General Permit. If the Project is complete prior to August 1, Contractor shall submit the report prior to acceptance of the Project.

9. COMPLETION OF WORK

- 9.1. Clean-up shall be performed as each portion of the work progresses. All refuse, excess material, and possible pollutants shall be disposed of in a legal manner off-site and all temporary and permanent SWPPP devices shall be in place and maintained in good condition.
- 9.2. At Completion of Work, Contractor shall inspect installed SWPPP devices, and present the currently implemented SWPPP with all backup records to the District.

10. NOTICE OF TERMINATION (NOT)

A Notice of Termination (NOT) must be submitted by the Contractor to the District for electronic submittal by the Legally Responsible Person via SMARTS to terminate coverage under the General Permit. The NOT must include a final Site Map and representative photographs of the Project Site(s) that demonstrate final stabilization has been achieved. The NOT shall be submitted to the District on or before the Contractor submits its final application for payment. If the Regional Water Board rejects the NOT for any reason, the Contractor shall revise the NOT as many times as necessary to get the Regional Water Board's approval. The Regional Water Board will consider a construction site complete when the conditions of the General Permit, Section II.D have been met.

11. QUALITY ASSURANCE

- 11.1. Before performing any of the obligations indicated herein, the Contractor's QSP shall meet the training and certification requirements in the Construction Storm Water Permit.
- 11.2. Contractor shall perform the Work in strict compliance with the approved SWPPP, REAP, ATS, and the Construction Storm Water Permit.
- 11.3. Contractor shall conduct at least a one-hour training session on the requirements of the SWPPP for each employee before an employee conducts any construction on the Site. Contractor shall

maintain documentation of this employee training at the site for review by the District or any regulatory agency.

12. **PERFORMANCE REQUIREMENTS**

- 12.1. The Storm Water Pollution Prevention Plan is a minimum requirement. Revisions and modifications to the SWPPP are acceptable only if they maintain levels of protection equal to or greater than originally specified.
- 12.2. Read and be thoroughly familiar with all of the requirements of the SWPPP.
- 12.3. Inspect and monitor all work and storage areas for compliance with the SWPPP prior to any anticipated rain.
- 12.4. Complete any and all corrective measures as may be directed by the regulatory agency.
- 12.5. **Penalties:** Contractor shall pay any fees and any penalties that may be imposed by the regulatory agency for non-compliance with SWPPP during the course of Work.
- 12.6. **Costs:** Contractor to pay all costs associated with the implementation of the requirements of the SWPPP in order to maintain compliance with the Permit. This includes installation of all Housekeeping BMPs, General Site and Material Management BMPs, Inspection requirements, maintenance requirements, and all other requirements specified in the SWPPP.

13. **MATERIALS**

All temporary and permanent storm water pollution prevention facilities, equipment, and materials as required by or as necessary to comply with the SWPPP as described in the BMP Handbook.

MATERIALS AND EQUIPMENT

1. GENERAL

1.1. MATERIAL AND EQUIPMENT

- 1.1.1. Only items approved by the District and/or Architect shall be used.
- 1.1.2. Contractor shall submit lists of Products and other Product information in accordance with the Contract Documents, including, without limitation, the provisions regarding the submittals.

1.2. MATERIAL AND EQUIPMENT COLORS

- 1.2.1. The Contractor shall comply with all schedule(s) of colors provided by the District and/or Architect.
- 1.2.2. No individual color selections will be made until after approval of all pertinent materials and equipment and after receipt of appropriate samples in accordance with the Contract Documents, including, without limitation, the provisions regarding the submittals.
- 1.2.3. Contractor shall request priority in writing for any item requiring advance ordering to maintain the approved Construction Schedule.

1.3. DELIVERY, STORAGE, AND HANDLING

- 1.3.1. Contractor shall deliver manufactured materials in original packages, containers, or bundles (with seals unbroken), bearing name or identification mark of manufacturer.
- 1.3.2. Contractor shall deliver fabrications in as large assemblies as practicable; where specified as shop-primed or shop-finished, package or crate as required to preserve such priming or finish intact and free from abrasion.
- 1.3.3. Contractor shall store materials in such a manner as necessary to properly protect them from damage. Materials or equipment damaged by handling, weather, dirt, or from any other cause will not be accepted.
- 1.3.4. Except for items that the District has approved, in writing, for Contractor to store off-site, all materials are not be acceptable that have been warehoused for long periods of time, stored or transported in improper environment, improperly packaged, inadequately labeled, poorly protected, excessively shipped, deviated from normal distribution pattern, or reassembled.
- 1.3.5. Contractor shall store material so as to cause no obstructions of sidewalks, roadways, and underground services. Contractor shall protect material and equipment furnished pursuant to the Contract Documents.
- 1.3.6. Contractor may store materials on Site with prior written approval by the District, all material shall remain under Contractor's control and Contractor shall remain liable for any damage to the materials. Should the Project Site(s) not have storage area available, the Contractor shall provide for off-site storage at no cost to District.
- 1.3.7. When any room in Project is used as a shop or storeroom, the Contractor shall be responsible for any repairs, patching, or cleaning necessary due to that use. Location of storage space shall be subject to prior written approval by District.

2. PRODUCTS

2.1. MANUFACTURERS

- 2.1.1. Manufacturers listed in various sections of Contract Documents are names of those manufacturers that are believed to be capable of supplying one or more of items specified therein.
- 2.1.2. The listing of a manufacturer does not imply that every product of that manufacturer is acceptable as meeting the requirements of the Contract Documents.

2.2. FACILITIES AND EQUIPMENT

Contractor shall provide, install, maintain, and operate a complete and adequate facility for handling, the execution, disposal, and distribution of material and equipment as required for proper and timely performance of Work.

2.3. MATERIAL REFERENCE STANDARDS

Where material is specified solely by reference to "standard specifications" and if requested by District, Contractor shall submit for review data on actual material proposed to be incorporated into Work, listing name and address of vendor, manufacturer, or producer, and trade or brand names of those materials, and data substantiating compliance with standard specifications.

3. EXECUTION

3.1. WORKMANSHIP

- 3.1.1. Where not more specifically described in any other Contract Documents, workmanship shall conform to methods and operations of best standards and accepted practices of trade or trades involved and shall include items of fabrication, construction, or installation regularly furnished or required for completion (including finish and for successful operation, as intended).
- 3.1.2. Work shall be executed by tradespersons skilled in their respective field of work. When completed, parts shall have been durably and substantially built and present a neat appearance.

3.2. COORDINATION

- 3.2.1. Contractor shall coordinate installation of materials and equipment so as to not interfere with installation of other work. Adjustment or rework because of Contractor's failure to coordinate will be at no additional cost to District.
- 3.2.2. Contractor shall examine in-place materials and equipment for readiness, completeness, fitness to be concealed or to receive Work, and compliance with Contract Documents. Concealing or covering work constitutes acceptance of additional cost which will result should in-place materials and equipment be found unsuitable for receiving other work or otherwise deviating from the requirements of the Contract Documents.

3.3. COMPLETENESS

Contractor shall provide all portions of the Work, unless clearly stated otherwise, installed complete and operational with all elements, accessories, anchorages, utility connections, etc., in manner to assure well-balanced performance, in accordance with manufacturer's recommendations and in accordance with Contract Documents. For example, electric water coolers require water, electricity, and drain services; roof drains require drain system; sinks fit within countertop, etc. Terms such as "installed complete," "operable condition," "for use intended," "connected to all utilities," "terminate with proper cap," "adequately anchored," "patch and refinish," "to match similar," should be assumed to apply in all cases, except where completeness of functional or operable condition is specifically stated as not required.

3.4. APPROVED INSTALLER OR APPLICATOR

Contractor shall ensure that all installations are only performed by a manufacturer's approved installer or applicator.

3.5. MANUFACTURER'S RECOMMENDATIONS

All installations shall be in accordance with manufacturer's published recommendations and specific written directions of manufacturer's representative. Should Contract Documents differ from recommendations of manufacturer or directions of manufacturer's representative, Contractor shall analyze differences, make recommendations to the District and the Architect in writing, and shall not proceed until interpretation or clarification has been issued by the District and/or the Architect.

DELIVERY, STORAGE AND HANDLING

1. GENERAL

1.1. PRODUCTS

- 1.1.1. Products are as defined in the General Construction Provisions (Exhibit D to the Facilities Lease).
- 1.1.2. Contractor shall not use and/or reuse materials and/or equipment removed from existing Premises, except as specifically permitted by the Contract Documents.
- 1.1.3. Contractor shall provide interchangeable components of the same manufacturer, for similar components.

1.2. TRANSPORTATION AND HANDLING

- 1.2.1. Contractor shall transport and handle Products in accordance with manufacturer's instructions.
- 1.2.2. Contractor shall promptly inspect shipments to confirm that Products comply with Contract requirements, are of correct quantity, and are undamaged.
- 1.2.3. Contractor shall provide equipment and personnel to properly handle Products to prevent soiling, disfigurement, or damage.

1.3. STORAGE AND PROTECTION

- 1.3.1. Contractor shall store and protect Products in accordance with manufacturer's instructions, with seals and labels intact and legible. Contractor shall store sensitive Products in weather-tight, climate controlled enclosures.
- 1.3.2. Contractor shall place fabricated Products that are stored outside, on above-ground sloped supports.
- 1.3.3. Contractor shall provide off-site storage and protection for Products when Site does not permit on-site storage or protection.
- 1.3.4. Contractor shall cover Products subject to deterioration with impervious sheet covering and provide ventilation to avoid condensation.
- 1.3.5. Contractor shall store loose granular materials on solid flat surfaces in a well-drained area and prevent mixing with foreign matter.
- 1.3.6. Contractor shall provide equipment and personnel to store Products by methods to prevent soiling, disfigurement, or damage.
- 1.3.7. Contractor shall arrange storage of Products to permit access for inspection and periodically inspect to assure Products are undamaged and are maintained under specified conditions.

CONTRACT CLOSEOUT AND FINAL CLEANING

1. GENERAL

1.1. CLOSEOUT PROCEDURES

Contractor shall comply with all closeout provisions as indicated in the General Construction Provisions (Exhibit D to the Facilities Lease).

1.2. FINAL CLEANING

- 1.2.1. Contractor shall execute final cleaning prior to final inspection.
- 1.2.2. Contractor shall clean interior and exterior glass and surfaces exposed to view; remove temporary labels, tape, stains, and foreign substances, polish transparent and glossy surfaces, wax and polish new vinyl floor surfaces, vacuum carpeted and soft surfaces.
- 1.2.3. Contractor shall clean equipment and fixtures to a sanitary condition.
- 1.2.4. Contractor shall replace filters of operating equipment.
- 1.2.5. Contractor shall clean debris from roofs, gutters, down spouts, and drainage systems.
- 1.2.6. Contractor shall clean Site, sweep paved areas, and rake clean landscaped surfaces.
- 1.2.7. Contractor shall remove waste and surplus materials, rubbish, and construction facilities from the Site.

1.3. ADJUSTING

Contractor shall adjust operating products and equipment to ensure smooth and unhindered operation.

1.4. RECORD DOCUMENTS AND SHOP DRAWINGS

Contractor shall legibly mark each item to record actual construction, including:

- 1.4.1. Measured depths of foundation in relation to finish floor datum.
- 1.4.2. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permit surface improvements.
- 1.4.3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.
- 1.4.4. Field changes of dimension and detail.
- 1.4.5. Details not on original Contract Drawings
- 1.4.6. Changes made by modification(s).
- 1.4.7. References to related Shop Drawings and modifications.
- 1.4.8. Contractor will provide one set of Record Drawings to District in an electronic format and one set on paper.
- 1.4.9. Contractor shall submit all required documents to District and/or Architect prior to or with its final Application for Payment.

1.5. INSTRUCTION OF DISTRICT PERSONNEL

- 1.5.1. Before final inspection, at agreed upon times, Contractor shall instruct District's designated personnel in operation, adjustment, and maintenance of products, equipment, and systems.
- 1.5.2. For equipment requiring seasonal operation, Contractor shall perform instructions for other seasons within six (6) months.
- 1.5.3. Contractor shall use operation and maintenance manuals as basis for instruction. Contractor shall review contents of manual with personnel in detail to explain all aspects of operation and maintenance.
- 1.5.4. Contractor shall prepare and insert additional data in Operation and Maintenance Manual when need for such data becomes apparent during instruction.
- 1.5.5. Contractor shall use operation and maintenance manuals as basis for instruction. Contractor shall review contents of manual with personnel in detail to explain all aspects of operation and maintenance.
- 1.5.6. Contractor shall be available for up to two (2) four-hour sessions of additional training of District personnel at any time within the first year of operation of the Site.

1.6. SPARE PARTS AND MAINTENANCE MATERIALS

- 1.6.1. Contractor shall provide products, spare parts, maintenance, and extra materials in