CITY OF BERKELEY

DEPARTMENT OF PARKS RECREATION & WATERFRONT

PROJECT MANUAL

Strawberry Creek Park

SPECIFICATION NO. 20-11382-C

March, 2020

ADVERTISEMENT DATE: March 23, 2020

BID OPENING DATE: April 14, 2020

Approved by:
Scott Ferris
Director of Public Works

2180 Milvia Street, 3rd Floor, BERKELEY, CALIFORNIA 94704 (510) 981-6700
CITY OF BERKELEY

DEPARTMENT OF PUBLIC WORKS

PROJECT MANUAL

Strawberry Creek Park

at

1260 West Street, Berkeley, CA 94702

SPECIFICATION NO. 20-11382-C
March, 2020

Prepared By:

Isaac Carnegie, Associate Civil Engineer

Reviewed By:

Evelyn Chan, Supervising Civil Engineer

PARKS, RECREATION & WATERFRONT DIVISION
2180 MILVIA STREET, 2 FLOOR
BERKELEY, CALIFORNIA 94704

Project Manager
Isaac Carnegie, Associate Civil Engineer
Phone: 510-981-6432
Email: icarnegie@CityofBerkeley.info

2180 Milvia Street, Berkeley, California 94704 (510) 981-6700
# TABLE OF CONTENTS

## INTRODUCTORY INFORMATION

<table>
<thead>
<tr>
<th>Division</th>
<th>Section</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>00 0101</td>
<td></td>
<td>Title Page</td>
</tr>
<tr>
<td>00 0110</td>
<td></td>
<td>Table of Contents</td>
</tr>
<tr>
<td>00 0115</td>
<td></td>
<td>Drawing List</td>
</tr>
</tbody>
</table>

## BIDDING REQUIREMENTS

<table>
<thead>
<tr>
<th>Division</th>
<th>Section</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>00 1113</td>
<td></td>
<td>Notice Inviting Bids</td>
</tr>
<tr>
<td>00 2113</td>
<td></td>
<td>Instructions to Bidders</td>
</tr>
<tr>
<td>00 3132</td>
<td></td>
<td>Geotechnical Data and Existing Conditions</td>
</tr>
</tbody>
</table>

## BID FORMS AND BID SUBMITTALS

<table>
<thead>
<tr>
<th>Division</th>
<th>Section</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>00 4113</td>
<td></td>
<td>Bid Form</td>
</tr>
<tr>
<td>00 4313</td>
<td></td>
<td>Bond Accompanying Bid</td>
</tr>
<tr>
<td>00 4314</td>
<td></td>
<td>Bidder Registration and Experience Form</td>
</tr>
<tr>
<td>00 4330</td>
<td></td>
<td>Subcontractors List</td>
</tr>
<tr>
<td>00 4513</td>
<td></td>
<td>Statement of Qualifications</td>
</tr>
<tr>
<td>00 4519</td>
<td></td>
<td>Non-Collusion Affidavit</td>
</tr>
<tr>
<td>00 4546</td>
<td></td>
<td>Bidder Certifications</td>
</tr>
</tbody>
</table>

## CONTRACT FORMS

<table>
<thead>
<tr>
<th>Division</th>
<th>Section</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>00 5100</td>
<td></td>
<td>Notice of Intent to Award for Construction</td>
</tr>
<tr>
<td>00 5200</td>
<td></td>
<td>Agreement</td>
</tr>
<tr>
<td>00 5500</td>
<td></td>
<td>Notice to Proceed</td>
</tr>
<tr>
<td>00 6113.13</td>
<td></td>
<td>Construction Performance Bond</td>
</tr>
<tr>
<td>00 6113.16</td>
<td></td>
<td>Construction Labor and Material Payment Bond</td>
</tr>
<tr>
<td>00 6290</td>
<td></td>
<td>Escrow Agreement for Security Deposits in Lieu of Retention</td>
</tr>
<tr>
<td>00 6325</td>
<td></td>
<td>Substitution Request Form</td>
</tr>
<tr>
<td>00 6530</td>
<td></td>
<td>Release of Claims</td>
</tr>
<tr>
<td>00 6536</td>
<td></td>
<td>Guaranty</td>
</tr>
<tr>
<td>00 6580</td>
<td></td>
<td>City of Berkeley Contracting Policies</td>
</tr>
</tbody>
</table>

## CONDITIONS OF THE CONTRACT

<table>
<thead>
<tr>
<th>Division</th>
<th>Section</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>00 7200</td>
<td></td>
<td>General Conditions</td>
</tr>
<tr>
<td>00 7201</td>
<td></td>
<td>Supplemental General Conditions</td>
</tr>
<tr>
<td>00 7316</td>
<td></td>
<td>Supplementary Conditions – Insurance</td>
</tr>
<tr>
<td>00 7317</td>
<td></td>
<td>Supplementary Conditions – City of Berkeley Contracting Policies</td>
</tr>
<tr>
<td>00 7319</td>
<td></td>
<td>Supplementary Conditions – Health and Safety Requirements; Hazardous Materials</td>
</tr>
<tr>
<td>00 7380</td>
<td></td>
<td>Apprenticeship Program</td>
</tr>
<tr>
<td>00 9113</td>
<td></td>
<td>Addenda</td>
</tr>
</tbody>
</table>
Strawberry Creek Park
Play Area and Restroom Renovation Project

Specification No. 20-11382-C

Table of Contents

<table>
<thead>
<tr>
<th>Division</th>
<th>Section</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>01 1100</td>
<td>Summary of the Work</td>
</tr>
<tr>
<td></td>
<td>01 2000</td>
<td>Measurement and Payment</td>
</tr>
<tr>
<td></td>
<td>01 2600</td>
<td>Modification Procedures</td>
</tr>
<tr>
<td></td>
<td>01 3119</td>
<td>Project Meetings</td>
</tr>
<tr>
<td></td>
<td>01 3230</td>
<td>Progress Schedules and Submittals</td>
</tr>
<tr>
<td></td>
<td>01 3300</td>
<td>Submittals</td>
</tr>
<tr>
<td></td>
<td>01 4100</td>
<td>Regulatory Requirements</td>
</tr>
<tr>
<td></td>
<td>01 4200</td>
<td>References and Definitions</td>
</tr>
<tr>
<td></td>
<td>01 4500</td>
<td>Testing and Inspection</td>
</tr>
<tr>
<td></td>
<td>01 5200</td>
<td>Temporary Facilities</td>
</tr>
<tr>
<td></td>
<td>01 5526</td>
<td>Traffic Control</td>
</tr>
<tr>
<td></td>
<td>01 5700</td>
<td>Temporary Controls</td>
</tr>
<tr>
<td></td>
<td>01 7329</td>
<td>Cut-Patch</td>
</tr>
<tr>
<td></td>
<td>01 7413</td>
<td>Project Cleaning</td>
</tr>
<tr>
<td></td>
<td>01 7419</td>
<td>Construction Waste Management</td>
</tr>
<tr>
<td></td>
<td>01 7700</td>
<td>Contract Closeout</td>
</tr>
<tr>
<td></td>
<td>01 7800</td>
<td>Closeout Submittals</td>
</tr>
</tbody>
</table>

**GENERAL REQUIREMENTS**

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Division</th>
<th>Section</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 5639</td>
<td>Tree Protection</td>
<td></td>
</tr>
<tr>
<td>02 4100</td>
<td>Site Preparation</td>
<td></td>
</tr>
<tr>
<td>04 4100</td>
<td>Dry-Placed Stone</td>
<td></td>
</tr>
<tr>
<td>11 6813</td>
<td>Play Equipment and Surfacing</td>
<td></td>
</tr>
<tr>
<td>13 6000</td>
<td>Prefabricated Restroom</td>
<td></td>
</tr>
<tr>
<td>26 5200</td>
<td>Site Electrical</td>
<td></td>
</tr>
<tr>
<td>31 2000</td>
<td>Earthwork</td>
<td></td>
</tr>
<tr>
<td>32 1123</td>
<td>Aggregate Base</td>
<td></td>
</tr>
<tr>
<td>32 1216</td>
<td>Hot Mix Asphalt Paving</td>
<td></td>
</tr>
<tr>
<td>32 1540</td>
<td>Cement Stabilized DG Paving</td>
<td></td>
</tr>
<tr>
<td>32 1314</td>
<td>Site Concrete</td>
<td></td>
</tr>
<tr>
<td>32 1540</td>
<td>Cement Stabilized Decomposed Granite Paving</td>
<td></td>
</tr>
<tr>
<td>32 3300</td>
<td>Site Furnishings</td>
<td></td>
</tr>
<tr>
<td>32 9000</td>
<td>Planting</td>
<td></td>
</tr>
<tr>
<td>32 9113</td>
<td>Landscape Soil Preparation</td>
<td></td>
</tr>
<tr>
<td>33 4400</td>
<td>Site Storm Drainage and Domestic Water</td>
<td></td>
</tr>
</tbody>
</table>

**APPENDICES**

Appendix A – City of Berkeley Community Workforce Agreement

**END OF DOCUMENT**
# LIST OF DRAWINGS, TABLES AND SCHEDULES

## DRAWINGS

<table>
<thead>
<tr>
<th>Sheet Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General</strong></td>
<td></td>
</tr>
<tr>
<td>L0.0</td>
<td>Cover Sheet</td>
</tr>
<tr>
<td>L0.1</td>
<td>Topographic Survey</td>
</tr>
<tr>
<td>L0.2</td>
<td>Topographic Survey</td>
</tr>
<tr>
<td><strong>Landscape</strong></td>
<td></td>
</tr>
<tr>
<td>L1.1</td>
<td>Existing Conditions and Demolition Plan</td>
</tr>
<tr>
<td>L1.2</td>
<td>Site Construction Plan</td>
</tr>
<tr>
<td>L1.3</td>
<td>Layout Plan</td>
</tr>
<tr>
<td>L1.4</td>
<td>Grading and Drainage Plan</td>
</tr>
<tr>
<td>L2.1</td>
<td>Landscape Construction Details</td>
</tr>
<tr>
<td>L2.2</td>
<td>Landscape Construction Details</td>
</tr>
<tr>
<td>L2.3</td>
<td>Landscape Construction Details</td>
</tr>
<tr>
<td>L2.4</td>
<td>Landscape Construction Details</td>
</tr>
<tr>
<td>L4.1</td>
<td>Best Management Practices</td>
</tr>
<tr>
<td><strong>Restroom</strong></td>
<td></td>
</tr>
<tr>
<td>L3.1</td>
<td>Restroom Plan</td>
</tr>
<tr>
<td><strong>Electrical</strong></td>
<td></td>
</tr>
<tr>
<td>E1</td>
<td>Electrical Legend, Single Line Diagram and Details</td>
</tr>
<tr>
<td>E2</td>
<td>Electrical Site Plan</td>
</tr>
</tbody>
</table>

END OF DOCUMENT
DOCUMENT 00 1113

NOTICE INVITING BIDS

ARTICLE 1 - INVITATION TO BID

1.01 Notice Inviting Bids: City of Berkeley ("City") will receive sealed Bids at City of Berkeley, Purchasing Manager’s Office, located at the Martin Luther King Jr. Civic Center, 2180 Milvia Street, Third Floor, Berkeley, CA 94704, Telephone (510) 981-7320, until 2 pm, Tuesday, April 14, 2020 for the following public work:

SPECIFICATION NO. 20-11382-C
CITY OF BERKELEY
Strawberry Creek Park Play Area and Restroom Renovation Project
1260 West Street

1.02 Project Description: Removal and replacement of the 5-12 playground and restroom, and accessibility improvements, including ancillary work in accordance with the terms and conditions of the Contract Documents. Work shall be completed within 150 Calendar Days from the date when Contract Time commences to run.

1.03 Procurement of Bidding Documents:
Bidding Documents contain the full description of the Work. Bidders may obtain Bidding Documents by Monday, March 23rd, 2020 from City of Berkeley’s Public Works website under Current Construction Project Bid Opportunities:


For information pertaining to the Bidding Documents, please contact the Project Manager, Isaac Carnegie, by Email at icarnegie@CityofBerkeley.info or by Telephone at 510.981.6432.

1.04 Planholders List:
Bidders are responsible for notifying Isaac Carnegie, via email at icarnegie@CityofBerkeley.info to be included on the Planholders List. Please include the following in the email subject header: “Planholders list for Specification No. 20-11382-C for Strawberry Creek Park”. In the body of the email, please state the Name of the Company Representative, Company Name, Address, Telephone Number, Fax Number, and Email Address.

1.05 Instructions: Bidders shall refer to Document 00 2113 (Instructions to Bidders) for required documents and items to be submitted in a sealed envelope for deposit into the Bid Box, located at City of Berkeley, Purchasing Manager’s Office, Martin Luther King Jr. Civic Center, 2180 Milvia Street, Third Floor, Berkeley, CA 94704, Telephone (510) 981-7320 no later than the time and date set forth in Paragraph 1.01 above.

1.06 Pre-Bid Site Visit: City will not conduct a Mandatory Pre-Bid Conference and Site Visit at 1260 West Street, Berkeley, CA 94702. The location of work is currently open to the public during normal business or daylight hours. It is recommended that potential bidders visit the site independently to review site conditions prior to bid. Contractor is advised to adhere to the City’s recommended current safety precautions, Order to Shelter at Home, and comply with “Social Distancing Requirements”, noting that public works construction is essential infrastructure under Section 10.c. of the Order. Please refer to the following websites for the most current information:

1.07 Bid Preparation Cost: Bidders are solely responsible for the cost of preparing their Bids.

1.08 Reservation of Rights: City specifically reserves the right, in its sole discretion, to reject any or all Bids, to re-bid, or to waive inconsequential defects in bidding not involving time, price or quality of the work. City may reject any and all Bids and waive any minor irregularities in the Bids.

ARTICLE 2 - LEGAL REQUIREMENTS

2.01 Required Contractor's License(s): A California “A” contractor's license is required to bid this contract. Joint ventures must secure a joint venture license prior to award of this Contract. Special work may require a specialty contractor's license, held by Bidder or a listed subcontractor.

2.02 Bid Alternates: Bid alternates are identified in Document 00 4113 (Bid Form). The determination of lowest bid shall be based upon: Base contract bid price only.

2.03 Substitution of Securities: City will permit the successful bidder to substitute securities for any retention monies withheld to ensure performance of the contract, as set forth in Document 00 6290 Escrow Agreement For Security Deposits In Lieu Of Retention and incorporated herein in full by this reference, in accordance with Section 22300 of the California Public Contract Code.

2.04 Prevailing Wage Laws: The successful Bidder must comply with all prevailing wage laws applicable to the Project, and related requirements contained in the Contract Documents. Copies of the general prevailing rates of per diem wages for each craft, classification, or type of worker needed to execute the Contract, as determined by Director of the State of California Department of Industrial Relations, are on file at http://www.dir.ca.gov/oprl/pwd/ and are deemed included in the Bidding Documents. The successful Bidder shall post the applicable prevailing wage rates at the Site.

2.05 Community Workforce Agreement: This contract WILL be subject to the Community Workforce Agreement approved by the Berkeley City Council on June 23, 2015 (See Document 00 6580 – City of Berkeley Contracting Policies). The successful bidder and all subcontractors, at any tier, WILL be required to sign an Agreement to be Bound as a condition precedent to entering into any contract for this project.

2.06 First Source Construction Agreement: This contract WILL NOT be subject to the First Source Construction Agreement (See Document 00 6580 – City of Berkeley Contracting Policies).

2.07 This contract WILL NOT be subject to Supplementary Conditions for Federal Funding. Section 00 7201.

END OF SECTION
DOCUMENT 00 2113

INSTRUCTIONS TO BIDDERS

Bids are requested by City of Berkeley (“City”), for a general construction contract, or work described in general, as set forth in Document 00 1113 (Notice Inviting Bids), and the following additional terms.

ARTICLE 1 - PROCEDURES FOR SUBMISSION OF BIDS

1.01 Required Pre-Bid Conference and Site Visit

A. City WILL NOT conduct a Mandatory Pre-Bid Conference and Site Visit at 1260 West Street. The location of work is open to the public during normal business or daylight hours. It is recommended that potential bidders visit the site independently to review site conditions prior to bid. Contractor is advised to adhere to the City’s recommended current safety precautions, Order to Shelter at Home, and comply with “Social Distancing Requirements”, noting that public works construction is essential infrastructure under Section 10.c. of the Order. Please refer to the following websites for the most current information:

B. Questions regarding the site and the Bid Documents may be sent to the City’s Representative to clarify such matters as Bidders may request. The Site Visit may be the Bidders’ only opportunity to investigate conditions at the Site. Other Pre-Bid Site Visits may be scheduled at City’s sole discretion, depending on staff availability.

C. City will issue Minutes of the Pre-Bid Conference, if held, which shall constitute the sole and exclusive record and statement of the results of the Pre-Bid Conference. The Minutes issued by City are not Contract Documents.

1.02 Required Pre-Bid Investigations

A. Prior to submission of Bid, Bidder must conduct a careful examination of Bidding Documents and understand the nature, extent, and location of Work to be performed. Refer to Document 00 7200 (General Conditions) on required pre-bid investigations.

B. Bidders may examine any available existing conditions information (e.g., record documents, specifications, studies, drawings of previous work), as well as applicable environmental assessment information (if any) regarding the Project, which will be posted on the website location indicated in Document 00 1113 (Notice Inviting Bids), paragraph 1.03.

1.03 Bidder Questions and Answers

A. Bidders must direct all questions about the meaning or intent of Bidding Documents to City’s Project Manager in writing as indicated in Document 00 1113 (Notice Inviting Bids), paragraph 1.03. Interpretations or clarifications considered necessary by City in response to such questions will be issued by written Addenda posted to the City’s website.

B. The deadline for Bidder’s questions is Wednesday, April 8, 2020 at 5:00PM. Questions received after this deadline may not be answered.

C. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect, and Bidders shall not rely on oral statements.

1.04 Addenda

A. Addenda may also be issued to modify the Bidding Documents as deemed advisable by City. Addenda shall be acknowledged by number in Document 00 4113 (Bid Form) and shall be part of the Contract Documents. A complete listing of Addenda may be secured from City on the website as indicated in Document 00 1113 (Notice Inviting Bid), paragraph 1.03.
   1. It is the Contractor’s responsibility to check the City’s website for Addenda prior to submitting their bid.
ARTICLE 2 - RECEIPT OF BIDS

2.01 Date and Time
   A. Sealed Bids will be received by the City until the date and time indicated in Document 00 1113 (Notice Inviting Bids). All Bid envelopes will be time-stamped to reflect their submittal time. City shall reject all Bids received after the specified time and will return such Bids to Bidders unopened. Bidders must submit Bids in accordance with this Document 00 2113.

2.02 Two Envelope Bid Submission:
   A. City will receive Bids in opaque sealed 10 inch x 13 inch envelopes, containing the required items described herein.
   B. Bidders must submit Bids in two envelopes: “Envelope A – Bid Submittals” and “Envelope B – Statement of Qualifications.”
   C. Bidders should mark their Bid envelopes using the name, address, identifying information and specification number, indicated in Document 00 1113 (Notice Inviting Bids).

2.03 Required Contents of “Envelope A – Bid Submittals”
   A. Document 00 4113 (Bid Form). Bidders must submit Bids on Document 00 4113 (Bid Form) in accordance with the provisions of Document 00 4113. Bidders must complete all Bid items and supply all information required by Bid documents and specifications.
   B. Document 00 4313 (Bond Accompanying Bid). Bidders must submit Document 00 4313 (Bond Accompanying Bid) accompanied by a cashier’s check, certified check (certified without qualification and drawn on a solvent bank of the State of California or a National Bank doing business in the State of California) or completed form of Document 00 4313 of not less than 10% of the base Bid, payable to City and completed in accordance with the provisions of Document 00 4313.
   C. Document 00 4314 (Bidder Registration and Experience Form). Bidders must submit Document 00 4314 (Bid Registration and Experience Form), completed in accordance with the provisions of Document 00 4314.
   D. Document 00 4330 (Subcontractor List). Bidders must submit Document 00 4330 (Subcontractors List) completed in accordance with the provisions of Document 00 4330. The Subcontractors List must include the names of all subcontractors for those subcontractors who will perform any portion of work, including labor, rendering of service, or specially fabricating and installing a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in excess of one half of one percent (0.5%) of the total Bid amount. Any violation of this requirement may result in a Bid being deemed non-responsive and not being considered.
   E. Document 00 4519 (Non-Collusion Affidavit). Bidders must submit Document 00 4519 (Non-Collusion Affidavit) completed in accordance with the provisions of Document 00 4519.
   F. Document 00 4546 (Bidder Certifications). Bidders must submit Document 00 4546 (Bidder Certification) completed in accordance with the provisions of Document 00 4546.

2.04 Required Contents of “Envelope B – Statement of Qualifications”
   A. Document 00 4513 (Statement of Qualifications for Construction Work). Bidder must submit Document 00 4513 (Statement of Qualifications for Construction Work) in accordance with the provisions of Document 00 4513.

ARTICLE 3 - BID OPENING AND EVALUATION

3.01 Determination of Apparent Low Bidder
   A. City will open each Bidders’ Envelope A at the time and place indicated in Document 00 1113 (Notice Inviting Bids), initially evaluate them for responsiveness, and determine an Apparent Low Bidder as specified herein.
B. Apparent Low Bid will be determined solely on the total amount of all Bid items based on terms contained in Document 00 1113 (Notice Inviting Bids) and Document 00 4113 (Bid Form). All Bidders are required to submit Bids on all Bid items (including any alternates).

C. For the purposes of award, the apparent low Bidder will be the conforming responsible Bidder offering the lowest total amount for the Total Base Bid shown in the Bid Form. Once the low bidder is determined as herein described, the City reserves the right to award any combination of Additive Bid alternates, or not award any Additive Bid alternates, as it deems to be in the best interest of the City, regardless of whether the total bid of the particular combination selected is higher or lower than any other bidder for that same combination.

D. For the Apparent Low Bidder only, City will open Envelope B and evaluate the Apparent Low Bidder for responsiveness to the requirements of Document 00 4513 and for Responsibility.

E. If Apparent Low Bidder is determined to be non-responsive or non-responsible, then City may proceed to the next Apparent Low Bidder’s Bid pursuant to any procedures determined in its reasonable discretion, and proceed for all purposes as if this Apparent Low Bidder were the original Apparent Low Bidder.

3.02 Evaluation of Bids

A. Bids must be full, complete, clearly written and using the required forms. Bidders shall make any change in the Bid by crossing out the original entry, entering and initialing the new entry. Bidder’s failure to submit all required documents strictly as required entitles City to reject the Bid as non-responsive. All Bidders must submit Bids containing each of the fully executed documents supplied in this Project Manual.

B. In evaluating Bids, City will consider Bidders’ qualifications, whether or not the Bids comply with the prescribed requirements, unit prices, and other data, as may be requested in Document 00 4113 (Bid Form) or prior to the Notice of Award.

C. City may conduct reasonable investigations and reference checks of Bidder and other persons and organizations as City deems necessary to assist in the evaluation of any Bid and to establish Bidder’s responsibility, qualifications, financial ability and ability to perform the Work in accordance with the Contract Documents to City’s satisfaction within the prescribed time. Submission of a Bid constitutes Bidder’s consent to the foregoing.

D. City shall have the right to consider information provided by sources other than Bidder. City shall also have the right to communicate directly with Bidder’s surety regarding Bidder’s bonds.

E. Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between written words and figures will be resolved in favor of the words.

F. Bids shall be deemed to include the written responses of the Bidder to any questions or requests for information of City made as part of Bid evaluation process after submission of Bid.

3.03 Reservation of Rights

A. City reserves the right to reject any or all nonconforming, non-responsive, unbalanced, or conditional Bids, and to reject the Bid of any Bidder as non-responsive as a result of any error or omission in the Bid, or if City believes that it would not be in the best interest of Project to make an award to that Bidder, whether because the Bid is not responsive or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by City. For purposes of this paragraph, an “unbalanced Bid” is one having nominal prices for some Bid items and enhanced prices for other Bid items.

B. City may retain Bid securities and Bid bonds of other than the Apparent Low Bidder for a period of 90 Days after award or full execution of the Contract, whichever first occurs.

C. City may reject any or all Bids and waive any informalities or minor irregularities in the Bids. City also reserves the right, in its discretion, to reject any or all Bids and to re-Bid the Project.
ARTICLE 4 - MANDATORY BID PROTEST PROCEDURES

4.01 Submission of Written Bid Protest
A. Any Bid protest in connection with the construction contract or work described in general in Document 00 1113 (Notice Inviting Bids) must be submitted in writing to the Project Manager as indicated in Document 00 1113, paragraph 1.03 before 3:30 p.m. of the fifth Business Day following opening of the Bidders’ envelopes.
B. The initial protest document must contain a complete statement of the basis for the protest.
C. The protest must refer to the specific portion of the document that forms the basis for the protest.
D. The protest must include the name, address, and telephone number of the person representing the protesting party.
E. Only Bidders who the City otherwise determines are responsive and responsible are eligible to protest a Bid; protests from any other Bidder will not be considered. In order to determine whether a protesting Bidder is responsive and responsible, City may evaluate all information contained in any protesting Bidder’s Bid, and conduct the same investigation and evaluation as City is entitled to take regarding an Apparent Low Bidder.
F. The party filing the protest must concurrently transmit a copy of the initial protest document and any attached documentation to all other parties with a direct financial interest that may be adversely affected by the outcome of the protest. Such parties shall include all other Bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.

4.02 Exclusive Remedy
A. The procedure and time limits set forth in this paragraph are mandatory and are Bidder’s sole and exclusive remedy in the event of Bid protest. Bidder’s failure to comply with these procedures shall constitute a waiver of any right to further pursue the Bid protest, including filing a Government Code Claim or legal proceedings. A Bidder may not rely on a protest submitted by another Bidder, but must timely pursue its own protest.

ARTICLE 5 - AWARD AND EXECUTION OF CONTRACT

5.01 Notice of Intent to Award and Submittal of Executed Contract Documents
A. If Contract is to be awarded, it will be awarded to the lowest responsible responsive Bidder. City will issue Document 00 5100 Notice of Intent to Award. Such Award, if made, will be made within sixty (60) calendar days after the opening of the Bid Proposals.
B. Successful Bidder must execute and submit to City the “Required Contract Documents and Proof of Insurance” set forth below, by 5:00 p.m. of the 10th calendar Day following the Notice of Intent to Award.

5.02 Required Contract Documents and Proof of Insurance
A. Document 00 5200 (Agreement), fully executed by successful Bidder. Submit three originals, each bearing an original signature (in blue ink) and initials on each page.
B. Document 00 6113.13 (Construction Performance Bond), fully executed by successful Bidder and surety, in the amount set forth in Document 00 6113.13. Submit three originals.
C. Document 00 6113.16 (Construction Labor and Material Payment Bond), fully executed by successful Bidder and surety, in the amount set forth in Document 00 6113.16. Submit three originals.
D. Document 00 6536 (Guaranty), fully executed by successful Bidder. Submit four originals.
E. Insurance certificates and endorsements required by Document 00 7316 (Supplementary Conditions — Insurance and Indemnification); Submit one original set.
F. Document 006580 (City Contracting Policies), fully executed by successful bidder. Submit one original set.
5.03 Failure to Execute and Deliver Documents:
   A. If Bidder to whom Contract is awarded, within the period described in this Document 00 2113, 
      fails or neglects to execute and deliver all required Contract Documents and file all required 
      bonds, insurance certificates, and other documents, City may, in its sole discretion, rescind the 
      award, recover on Bidder’s surety bond, or deposit Bidder’s cashier’s check or certified check for 
      collection, and retain the proceeds thereof as liquidated damages for Bidder’s failure to enter into 
      the Contract Documents. Bidder agrees that calculating the damages City may suffer as a result 
      of Bidder’s failure to execute and deliver all required Contract Documents would be extremely 
      difficult and impractical and that the amount of Bidder’s required Bid security shall be the agreed 
      and presumed amount of City’s damages.
   B. Upon such failure to timely deliver all required Contract Documents as set forth herein, City may 
      determine the next Apparent Low Bidder and proceed accordingly. Such Award, if made, will be 
      made within sixty (60) calendar days after the opening of the Bid Proposals.

ARTICLE 6 - GENERAL CONDITIONS AND REQUIREMENTS

6.01 Modification of Commencement of Work:
   A. City expressly reserves the right to modify the date for the Commencement of Work under the 
      Contract and to independently perform and complete work related to Project. City accepts no 
      responsibility to Contractor for any delays attributed to its need to complete independent work at 
      the Site.
   B. City shall have the right to communicate directly with Apparent Low Bidder’s proposed 
      performance bond surety, to confirm the performance bond. City may elect to extend the time to 
      receive faithful performance and labor and material payment bonds.

6.02 Conformed Project Manual:
   A. Following Award of Contract, City may prepare a conformed Project Manual reflecting Addenda 
      issued during bidding, which will, failing objection, constitute the approved Project Manual.

6.03 Payment Bond:
   A. If the Project described in Document 00 1113 (Notice Inviting Bids) involves an expenditure in 
      excess of twenty-five thousand dollars ($25,000), the successful Bidder must file a payment bond 
      with and approved by City prior to entering upon the performance of the Work, in accordance with 
      Civil Code § 3247.

6.04 Wage Rates:
   A. The successful Bidder must comply with all prevailing wage laws applicable to the Project, and 
      related requirements contained in the Contract Documents. Copies of the general prevailing 
      rates of per diem wages for each craft, classification, or type of worker needed to execute the 
      Contract, as determined by Director of the State of California Department of Industrial Relations, 
      are on file at http://www.dir.ca.gov/oprl/pwd/ and are deemed included in the Bidding 
      Documents. The successful Bidder shall post the applicable prevailing wage rates at the Site.

6.05 Withdrawal of Bids:
   A. Bidders may withdraw their Bids at any time prior to the Bid opening time fixed in this Document 
      00 2113, only by written request for the withdrawal of Bid filed with City’s Purchasing Department, 
      at 2180 Milvia Street, 3rd Floor, Berkeley, CA 94704. Bidder or its duly authorized representative 
      shall execute request to withdraw Bid.

6.06 Ineligible Contractors and Subcontractors:
   A. No contractor or subcontractor may be listed on a bid proposal for a public works project unless 
      registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 
      [with limited exceptions from this requirement for bid purposes only under Labor Code section 
      1771.1(a)].
B. City shall not accept a Bid from a Bidder who is ineligible to bid or work on, or be awarded, a public works project pursuant to California Labor Code section 1777.1 or 1777.7. Bidders and the Contractor who is awarded the project contract shall not utilize, or allow work by, any subcontractor who is ineligible to bid or work on, or be awarded, a public works project pursuant to California Labor Code Section 1777.1 or 1777.7. (See California Public Contract Code Section 6109.) The California Division of Labor Standards Enforcement publishes a list of debarred contractors and subcontractors on the Internet at www.dir.ca.gov/DLSE/debar.html.

6.07 Substitutions:

A. Bidders must base their Bids on products and systems specified in Contract Documents or listed by name in Addenda. City will consider substitution requests only for “or equal items.” Bidders wanting to use “or equal” item(s) may submit Document 00 6325 (Substitution Request Form) no later than 35 calendar days after Notice of Award. As a limitation on Bidder’s privilege to request substitution of “or equal” items, City has found that certain items are designated as City standards and certain items are designated to match existing items in use on a particular public improvement either completed or in the course of completion or are available from one source. As to such items, City will not permit substitution. Such items are described in the Bidding Documents.

6.08 Definitions:

A. All abbreviations and definitions of terms used in this Document 00 2113 are set forth in Document 00 7200 (General Conditions) and Section 01 4200 (References and Definitions).

END OF SECTION
ARTICLE 1 - REPORTS AND INFORMATION ON EXISTING CONDITIONS

1.01 Inspection of Reports:
   A. City, its consultants, and prior contractors may have collected documents providing a general description of the Site and conditions of the Work. These documents may consist of geotechnical reports for and around the Site, contracts, contract specifications, tenant improvement contracts, as-built drawings, utility drawings, and information regarding Underground Facilities (collectively, “Existing Conditions Data”).
   B. Bidders may inspect Geotechnical and Existing Conditions Data. These documents are listed in Section 01 1100 (Summary) and are available for review at the address identified therein. Copies may be obtained for the cost of reproduction and handling upon Bidder’s payment for the costs.
   C. Existing Conditions Data is for information only and does not describe labor, materials or equipment furnished by Contractor, but rather, information regarding conditions of the work. Such Existing Conditions Data is not a Contract Document.

ARTICLE 2 - USE OF EXISTING CONDITIONS DATA

2.01 Above-Ground Existing Conditions:
   A. City makes no warranty or representation of existing aboveground conditions, as-built conditions, or other aboveground actual conditions verifiable by reasonable independent investigation. These conditions are verifiable by Bidder by the performance of its own independent investigation that Bidder must perform prior to bidding and Bidder must not rely on the information supplied by City regarding existing conditions.
   B. Bidder represents and agrees that in submitting its Bid, it is not relying on any information regarding above-ground existing conditions supplied by City.

2.02 Underground Facilities:
   A. Information supplied regarding existing Underground Facilities at or contiguous to the Site is based on information furnished to City by others (e.g., the builders of such Underground Facilities or others).
   B. City assumes responsibility for only the general accuracy, completeness or thoroughness of information regarding Underground Facilities that are owned by City. This express assumption of responsibility applies only if Bidder has conducted the independent investigation required of it under Document 00 7200 (General Conditions) and discrepancies were not apparent. Bidder is solely responsible for any interpretation or conclusion drawn from this information.
   C. City is not responsible for information regarding Underground Facilities owned by others.

2.03 Hazardous Materials Surveys:
   A. Bidders may rely on this data and information for general accuracy regarding the locations of potentially hazardous materials subject of the Work. City does not warrant and makes no representation regarding the completeness or thoroughness of any data or information regarding existing conditions or hazardous materials, including, but not limited to, quantities, characteristics, volumes, or associated structural features. Bidder represents and agrees that in submitting a Bid it is not relying on any such data, information or deductions.
   B. Data and information regarding the locations of hazardous materials are not part of Contract Documents.

2.04 Geotechnical Data:
   A. Bidder may rely upon the general accuracy of the “technical data” contained in the geotechnical reports and drawings identified above, but only insofar as it relates to subsurface conditions,
provided Bidder has conducted the independent investigation required of it and discrepancies were not apparent.

B. The term “technical data” shall include actual reported depths, reported quantities, reported soil types, reported soil conditions, and reported material, equipment, or structures that were encountered during subsurface exploration. The term “technical data” does not include, and Bidder may not rely upon, any other data, interpretations, opinions or information shown or indicated in such drawings or reports that otherwise relate to subsurface conditions or described structures. The term “technical data” shall not include the location of Underground Facilities.

C. Bidder may not rely on the completeness of reports and drawings for the purposes of bidding or construction. Bidder is solely responsible for any interpretation or conclusion drawn from any “technical data” or any other data, interpretations, opinions, or information contained in supplied geotechnical data.

D. Except as expressly set forth in this Document 00 3132, City does not warrant, and makes no representation regarding, the accuracy or thoroughness of any geotechnical data.

E. Bidder represents and agrees that in submitting its Bid, it is not relying on any geotechnical data supplied by City, except as specifically set forth herein.

ARTICLE 3 - INVESTIGATIONS

3.01 Required Investigations:
A. Before submitting a Bid, each Bidder shall be responsible to obtain such additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site or otherwise, which may affect cost, progress, performance or furnishing of Work or which relate to any aspect of the means, methods, techniques, sequences or procedures of construction to be employed by Bidder and safety precautions and programs incident thereto or which Bidder deems necessary to determine its Bid for performing and furnishing the Work in accordance with the time, price and other terms and conditions of Contract Documents.

B. Bidders shall advise City in writing during the Bid period of any questions, suppositions, inferences or deductions Bidders may have for City’s review and response.

C. City has provided time in the period prior to bidding for Bidder to perform these investigations.

3.02 Access to Site for Investigations:
A. During the Pre-Bid Site Visit(s), City will provide each Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies, as each Bidder deems necessary for submission of a Bid. The Bidder may request alternate dates and times to access the site. Such request must be made in writing at least ten (10) calendar days prior to bid. Bidders must fill all holes and clean up and restore the Site to its former conditions upon completion of such explorations, investigations, tests, and studies. Such investigations may be performed only under the provisions of Document 00 2113 (Instructions to Bidders) and Document 00 7200 (General Conditions) including, but not limited to, proof of insurance and obligation to indemnify against claims arising from such investigation work. Each Bidder shall supply all equipment required to perform any investigations as each Bidder deems necessary. City has the right to limit the number of pieces of machinery operating at one time due to safety concerns.

END OF SECTION
DOCUMENT 00 4113
BID FORM

TO CITY OF BERKELEY

THIS BID IS SUBMITTED BY:

____________________________________________________________________________________

(Firm/Company Name)

Re: Strawberry Creek Park at 1260 West Street, Berkeley, CA 94702, Specification No. 20-11382-C

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with City of Berkeley in the form included in the Contract Documents, Document 00 5200 (Agreement), to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Sum and within the Contract Time indicated in this Bid and in accordance with all other terms and conditions of the Contract Documents.

2. Bidder accepts all of the terms and conditions of the Contract Documents, Document 00 1113 (Notice Inviting Bids), and Document 00 2113 (Instructions to Bidders), including, without limitation, those dealing with the disposition of Bid Security. This Bid will remain subject to acceptance for 60 calendar days after the day of Bid opening, unless there is a bid protest, then 90 calendar days after the day of bid opening. Bidder will sign and submit Document 00 5200 (Agreement) and other documents required by Document 002113, paragraph 5.02 (Required Contract Documents and Proof of Insurance) within 20 calendar days after receipt of City's Notice of Intent to Award.

3. In submitting this Bid, Bidder represents that Bidder has examined all of the Contract Documents, performed all necessary Pre-Bid investigations as set forth in Document 00 5200 (Agreement) Article 6 (Contractor's Representation), received the Pre-Bid conference minutes (if any), and received the following Addenda:

<table>
<thead>
<tr>
<th>Addendum Number</th>
<th>ADDENDUM DATE</th>
<th>Signature of Bidder</th>
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4. Based on the foregoing, Bidder proposes and agrees to fully perform the Work within the time stated and in strict accordance with the Contract Documents for the following sums of money listed in the following Schedule of Bid Prices:

SCHEDULE OF BID PRICES

All Bid items, including lump sums and unit prices, must be filled in completely. Bid items are described in Section 01 1100 (Summary of Work). Quote in figures only, unless words are specifically requested.

Bid items shall include temporary facilities, bonds and insurance, submittals, overhead, supervision, and all labor, materials, services, and equipment necessary for the completion of all of the Work shown,
including connections to existing systems, in the attached plans, these specifications, and other Contract Documents, for a complete and operational project.

Bid Alternates, if any, shall include all labor, materials, services and equipment necessary for the completion of all of the Work shown in the attached plans, specifications, and other Contract Documents, except for that Work called for specifically in other Bid items and other Bid Alternates.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>PRICE ($)</th>
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<tbody>
<tr>
<td>1</td>
<td>Mobilization</td>
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<td>2</td>
<td>Erosion Control</td>
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<td>3</td>
<td>Site Preparation</td>
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<td>4</td>
<td>Modify Irrigation</td>
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<td>5</td>
<td>Tree Protection and Temporary Fencing</td>
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<td>6</td>
<td>Blocky Boulder Wall</td>
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<td>7</td>
<td>Boulder Edge</td>
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<td>8</td>
<td>Landscape Boulders</td>
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<td>9</td>
<td>Play Equipment</td>
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<td>10</td>
<td>Engineered Wood Fiber Surfacing</td>
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<td>11</td>
<td>Sand Surfacing</td>
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<tr>
<td>12</td>
<td>Restroom Building</td>
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<td>13</td>
<td>Site Electrical</td>
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<td>14</td>
<td>Earthwork</td>
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<tr>
<td>15</td>
<td>Hot Mix Asphalt Paving</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Site Concrete</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Cement Stabilized DG Paving</td>
<td></td>
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</tbody>
</table>
5. Subcontractors for work included in all Bid items are listed on Document 00 4330 (Subcontractors List) submitted herewith.

6. The undersigned Bidder understands that City reserves the right to reject this Bid, but that this Bid shall remain open and shall not be withdrawn for a period of sixty (60) calendar days from the date prescribed for its opening.

7. If written notice of the acceptance of this Bid, hereinafter referred to as Notice of Intent to Award, is mailed or delivered to the undersigned Bidder within the time described in Paragraph 2 of this Document 00 4113 or at any other time thereafter before it is withdrawn, the undersigned Bidder will execute and deliver the documents required by Document 00 2113 (Instructions to Bidders) within the times specified therein.

8. Notice of Award or request for additional information may be addressed to the undersigned Bidder at the address set forth below.

9. The undersigned Bidder herewith encloses cash, a cashier’s check, or certified check of or on a responsible bank in the United States, or a corporate surety bond furnished by a surety authorized to do a surety business in the State of California, in form specified in Document 00 2113 (Instructions to Bidders), in the amount of ten percent (10%) of the Total Bid Price and made payable to City of Berkeley.
10. The undersigned Bidder agrees to commence Work under the Contract Documents on the date established in Document 00 7200 (General Conditions) and to complete all Work within the time specified in Document 00 5200 (Agreement).

11. The undersigned Bidder agrees that, in accordance with Document 00 7200 (General Conditions), liquidated damages for failure to complete all Work in the Contract within the time specified in Document 00 5200 (Agreement) shall be as set forth in Document 00 5200.

12. The names of all persons interested in the foregoing Bid as principals are:

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, give the legal name of corporation, state where incorporated, and names of president and secretary thereof; if a partnership, give name of the firm and names of all individual co-partners composing the firm; if Bidder or other interested person is an individual, give first and last names in full.

NAME OF BIDDER: __________________________________________

licensed in accordance with an act for the registration of Contractors, and with license number: __________________________ Expiration: ________________

__________________________________________ (Place of Incorporation, if Applicable)

(Principal)

__________________________________________

(Principal)

__________________________________________

(Principal)

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

__________________________________________ (Signature of Bidder)

NOTE: If Bidder is a corporation, set forth the legal name of the corporation together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation. If Bidder is a partnership, set forth the name of the firm together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership.

Business Address: _________________________________________

_________________________________________________________

_________________________________________________________

Contractor’s Representative(s): _____________________________ (Name/Title)

_________________________________________________________

(Name/Title)
Strawberry Creek Park
Play Area and Restroom Renovation Project

__________________________________________
(Name/Title)

Officers Authorized to Sign Contracts
__________________________________________
(Name/Title)
__________________________________________
(Name/Title)
__________________________________________
(Name/Title)

Telephone Number(s):
__________________________________________
(Area Code)  (Number)
__________________________________________
(Area Code)  (Number)

Fax Number(s):
__________________________________________
(Area Code)  (Number)
__________________________________________
(Area Code)  (Number)

Date of Bid:
__________________________________________

END OF SECTION
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DOCUMENT 00 4313
BOND ACCOMPANYING BID

KNOW ALL BY THESE PRESENTS:

That the undersigned

_____________________________________________________

(Name of Contractor)

as Principal and the undersigned as Surety are held and firmly bound unto City of Berkeley, as obligee, in the penal sum of

_____________________________________________________

(Dollar Amount in Words)

Dollars ($________) lawful money of the United States of America being at least ten percent (10%) of the aggregate amount of said Principal

_____________________________________________________

’s base Bid, for the payment of which, well and truly to be made, we bind ourselves, our successors, executors, administrators, and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal is submitting a Bid for

Specification No. 20-11382-C
Strawberry Creek Park
at 1260 West Street, Berkeley, CA 94702.

THE CONDITION OF THIS OBLIGATION IS SUCH that if the Bid submitted by the said Principal be accepted and the Contract be awarded to said Principal and said Principal shall within the required periods enter into the Contract so awarded and provide the required Construction Performance Bond, Construction Labor and Material Payment Bond, insurance certificates, Guarantee, and all other endorsements, forms, and documents required under Document 00 2113 (Instructions to Bidders), then this obligation shall be void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument this _____ day of ________________________, 20__.

(Month)

By

_____________________________________________________

Principal

By

_____________________________________________________

Surety

By

_____________________________________________________

Attorney in Fact

END OF SECTION
In order to register to undertake work for City of Berkeley, Bidder must:

1) Fill out this registration form completely; do not leave blanks.
2) Provide certificates of insurance or a letter evidencing coverage complying with Document 00 4513 (Statement of Qualifications).

INDEPENDENT CONTRACTOR REGISTRATION

Contractor’s License #: ________________________

Date: ____________________________ Fed I.D. #: ____________________________

Full Corporate Name of Company: ____________________________

Street Address: ______________________________________________________

_______________________________________________________________

Mailing Address: _____________________________________________________

_______________________________________________________________

Phone: ____________________________ Fax: ____________________________

Name of Principal Contact: ____________________________________________

Type of Business: _____ Sole Proprietor _____ Partnership

_____ Non-Profit 501(c)(3) _____ Corporation

_____ other (please explain: __________________________________________)

INSURANCE

Workers’ Compensation:

Carrier: ____________________________________________________________

Address: __________________________________________________________

Phone and Fax: _____________________________________________________

Policy Number: _____________________________________________________

General Liability:

Carrier: ____________________________________________________________

Address: __________________________________________________________

Phone and Fax: _____________________________________________________
Policy Number: __________________________________________________________
Policy Limits: $ __________________________________________________________
A.M. Best Rating: ________________________________________________________

**Automobile Liability:**
Carrier: __________________________________________________________________
Address: __________________________________________________________________
Phone and Fax: __________________________________________________________________
Policy Number: ____________________________
Policy Limits: $ ____________________________
A.M. Best Rating: ________________________________________________________

**All-risk Course of Construction (if applicable, as required by Document 00 7316 [Supplementary Conditions – Insurance]):**
Carrier: __________________________________________________________________
Address: __________________________________________________________________
Phone and Fax: __________________________________________________________________
Policy Number: ____________________________
Policy Limits: $ ____________________________
A.M. Best Rating: ________________________________________________________

**Professional Liability (if applicable, as required by Document 00 7316 [Supplementary Conditions – Insurance]):**
Carrier: __________________________________________________________________
Address: __________________________________________________________________
Phone and Fax: __________________________________________________________________
Policy Number: ____________________________
Policy Limits: $ ____________________________
A.M. Best Rating: ________________________________________________________
Pollution Legal Liability Insurance (if applicable, as required by Document 00 7316 [Supplementary Conditions – Insurance]):

Carrier: 

Address: 

Phone and Fax: 

Policy Number: 

Policy Limits: $ 

A.M. Best Rating: 

BIDDER CERTIFIES, UNDER PENALTY OF PERJURY, THAT THE FOREGOING INFORMATION IS CURRENT AND ACCURATE AND AUTHORIZES OWNER, AND ITS AGENTS AND REPRESENTATIVES TO OBTAIN A CREDIT REPORT AND/OR VERIFY ANY OF THE ABOVE INFORMATION.

SIGNATURE

DATE
SAFETY EXPERIENCE

The following statements as to the Bidder’s safety experience are submitted with the Bid, as part thereof, and the Bidder guarantees the truthfulness and accuracy of all information.

1. List Bidder’s interstate Experience Modification Rate for the last three years.

[20__] _____ [20__] _____ [20__] _____

2. Use Bidder’s last year’s Cal/OSHA 200 log to fill in the following number of injuries and illnesses:

   a. Number of lost workday cases
   b. Number of medical treatment cases
   c. Number of fatalities

3. Employee hours worked last year

4. State the name of Bidder’s safety engineer/manager:

   Attach a resume or outline of this individual’s safety and health qualifications and experience.

I CERTIFY, UNDER PENALTY OF PERJURY, THAT THE FOREGOING INFORMATION IS CURRENT AND ACCURATE AND I AUTHORIZE OWNER, AND ITS AGENTS AND REPRESENTATIVES TO OBTAIN A CREDIT REPORT AND/OR VERIFY ANY OF THE ABOVE INFORMATION.

BIDDER:

By: ________________________________________________
    Signature

Its: ________________________________________________
    Title

Date______________________________

END OF SECTION
Bidder submits the following information as to the subcontractors Bidder intends to employ if awarded the Contract.

<table>
<thead>
<tr>
<th>Full Name of Subcontractor (Sub.) and Address of Mill or Shop</th>
<th>Sub.'s License No.</th>
<th>Description of Work: Reference to Bid Items</th>
<th>Sub.'s Bid Amount</th>
<th>Sub.'s Depart. Of Industrial Relations No.</th>
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(Bidder to attach additional sheets if necessary)
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ARTICLE 1 – GENERAL INFORMATION

1.01 Minimum Bidder Qualifications.
   A. Bidders must be duly licensed in accordance with the California Business & Professions Code and have a history of work performance sufficient to meet the requirements of a responsible bidder in the California Public Contract Code Section 1104.
   B. Bidders must have three (3) years experience as a continuously operating entity engaged in the performance of similar work.
   C. Bidders must demonstrate successful experience with type of work of this Project, to include, within the past year, completed two (2) projects of a similar nature and complexity with a contract dollar amount of (i.) at least 75% of the amount of Bidder’s Bid or (ii.) 125% of such amount in the aggregate.

1.02 Measurement.
   A. Bidder’s compliance with the minimum qualification requirements will be measured by Bidder’s experience as an operating entity and also by the experience of the supervisory personnel who will have responsible charge of the various major components of the Work.
   B. If Bidder subcontracts portions of the Work, City, in its determination of whether the minimum qualification requirements have been met, may consider the qualifications of the Subcontractor’s supervisory personnel.
   C. The qualifications of the Key Personnel are to be submitted with the Statement of Qualifications (“SOQ”), by providing the information described in this Document 00 4513.

ARTICLE 2 – Required Contents of SOQ Submission

2.01 Transmittal Letter
   A. The Transmittal Letter shall name the proposed prime contractor, its legal structure (i.e., corporation, partnership, limited partnership, joint venture). If a joint venture or partnership is proposed, Bidder shall identify partner and/or member of the joint venture and their roles and responsibilities.

2.02 Submittals:
   A. Completed Questionnaire. Bidder shall include a completed Statement of Qualification Questionnaire in the form attached to this Document 00 4513 as Attachment “A”.
   B. License: Evidence of a valid contractor’s license and required licenses of all licensees of persons who are Key Personnel necessary to perform the Work.
   C. Litigation History. Description of litigation history for the past three years, including names of involved parties, nature of dispute, and disposition.

2.03 Additional Submittals:
   After bid opening, Contractor maybe required to supply the City with the following submittals upon request.
   A. Resumes of Proposed Key Personnel. Bidder shall provide a resume for each named Key Personnel of Bidder, to include as necessary: Years of experience; Education - degrees, schools and years obtained; Professional Registrations; Fluency in English (Yes/No); At least two client references, including contact names, addresses and telephone numbers, and description of projects of a similar nature worked on in the past five years.
   B. Audited or Reviewed Financial Statements. Include audited or reviewed financial statements for the three most recently completed fiscal years for Bidder and each member of any proposed
consorting or joint venture. Also include audited or reviewed financial statements for the three most recently completed fiscal years for any parent companies) of Bidder and each member of any proposed consortium or joint venture.

C. Surety Letter re: Capability to Provide Required Performance and Payment Bonds. Bidder shall include a letter from a surety duly licensed to do business in the State of California, having a financial rating from A.M. Best Company of A-, VIII or better, that the surety has agreed to provide Bidder with the required performance and payment bonds in accordance with the requirements set forth in Documents 00 6113.13 (Construction Performance Bond) and 00 6113.16 (Construction Labor and material Payment bond), each in the penal sum of the Contractor’s bid when submitted. Owner shall have the right to verify with the surety that the surety, based upon the Bid prices, will issue the required bonds under the conditions stated.

D. Insurer Letter re: Capability to Provide the Required Insurance. Bidder shall provide a letter from an insurance underwriter, having a financial rating reasonably acceptable to City, confirming that the insurer will provide Bidder the required coverages and amounts specified in the Contract Documents.

E. Description of Human and Physical Resources. Bidder shall identify, describe, and quantify for itself, the following technical information for the construction work: Description and location of manufacturing facilities, naming products and quantifying production capacity and current demand; Description of field organization(s), naming skills and equipment; Description of safety program quality control procedures, and safety experience.

2.04 Format.

A. The SOQ shall be clear and concise to enable management-oriented personnel to make a thorough evaluation and arrive at a sound determination as to whether the SOQ meet City's requirement. To this end, the SOQ should be so specific, detailed and complete as to demonstrate clearly and fully that the Bidder has a thorough understanding of and has demonstrated knowledge of the requirements to perform the Work (or applicable portion thereof).

B. Any explanation requested by a Bidder regarding the meaning or interpretation of this Document 00 4513 must be requested in writing and with sufficient time allowed for a reply to reach Bidder before the submission of its SOQ. Oral explanations or instructions will not be binding. Any information provided to any prospective Bidder concerning this Document 00 4513 will be furnished to all prospective Bidders as an Addendum to the Bidding Documents.

STATEMENT OF QUALIFICATION QUESTIONNAIRE FOLLOWS ON NEXT PAGE
ATTACHMENT “A” – STATEMENT OF QUALIFICATION QUESTIONNAIRE

Bidders shall complete the entire Statement of Qualification Questionnaire and submit it in accordance with Document 00 2113 (Instructions to Bidders) and Document 00 4513 (Statement of Qualifications). Failure to complete the questionnaire or inclusion of any false statement(s) shall be ground for immediate disqualification.

CONTACT INFORMATION

Company Name: ________________________________

Owner of Company: ________________________________

Contact Person: ________________________________

Address: ________________________________________

Phone: __________________________ Fax: __________________________

PART A: GENERAL INFORMATION

1. Does Bidder possess a valid and current California Contractor’s license for the work proposed? Yes ___ No ___

2. Does Bidder have a minimum of $2,000,000 liability insurance coverage? Yes ___ No ___

3. Has Bidder’s License been revoked at any time in the last five years? Yes ___ No ___

4. Has Bidder been “default terminated” by an Owner (other than for convenience), or has a Surety completed a contract for Bidder within the last five years? Yes ___ No ___

5. Has Bidder been convicted more than twice for failure to pay prevailing wages in the last three years? Yes ___ No ___

6. Will Bidder provide copies of its reviewed or audited financial statements and accompanying notes for the last three years, if requested? Yes ___ No ___

Bidder may be disqualified if any answer to questions 1, 2, or 6 is No. Bidder may be disqualified if any answer to questions 3, 4, or 5 is Yes.

PART B: SAFETY, PREVAILING WAGE, DISPUTES AND BONDS

(SAFETY)

1. Has Cal/OHSA, Federal OSHA, the EPA or any Air Quality Management Owner cited Bidder in the past five years? Yes ___ No ___ If yes, attach description of each citation.

2. How often does Bidder require documented safety meetings be held for:
   - Field Supervisor Weekly _____ Bi-Weekly _____ Monthly _____ Less Than Monthly _____
   - Employees Weekly _____ Bi-Weekly _____ Monthly _____ Less Than Monthly _____
   - New Hires Weekly _____ Bi-Weekly _____ Monthly _____ Less Than Monthly _____
   - Subcontractors Weekly _____ Bi-Weekly _____ Monthly _____ Less Than Monthly _____

3. How often does Bidder conduct documented safety inspections?
   - Quarterly _____ Semi-annually _____ Annually _____ Other _____
4. Does Bidder have home office safety representatives who visit/audit the job site?
   Quarterly _____   Semi-annually _____   Annually _____   Other _____

5. What is Bidder’s Interstate Experience Modification Rate? ____________. (A rating in excess of 1 may constitute grounds for disqualification as non-responsible).

(PREVAILING WAGE PROVISIONS)

6. Has Bidder been fined, penalized or otherwise found to have violated any prevailing wage or labor code provision? If yes, attach description of each occurrence.
   Yes _____ No _____

(LICENSE PROVISIONS)

7. Has Bidder changed names or license numbers in the past 5 years? If so, please state reason for change.
   Yes _____ No _____ Reason: __________________________________________________________

(DISPUTES)

8. Has Bidder had any claims, litigation, or disputes ending in mediation or arbitration, or termination for cause associated with any project in the past 5 years? If yes, attach description of each instance including details of total claim amount, settlement amount, and Owner’s name and phone number.
   Yes _____ No _____

(BONDING)

9. Bonding Capacity – Provide documentation from Bidder’s surety identifying the following:
   Name of bonding company/surety: _____________________________________________________
   Name of Surety Agent: ______________________________________________________________
   Surety Agent address: ______________________________________________________________
   Surety Agent phone number: _________________________________________________________
   Is surety a California-admitted surety? Yes _____ No _____
   Is surety listed in the current edition of the California Department of the Treasury’s Listing of approved sureties? Yes _____ No _____
   List surety’s A.M. Best Rating: ______________________________________________________
   What is Bidder’s total bonding capacity? ____________________________________________
   What percent does Bidder pay for bonds? ____________________________________________
PART C: EXPERIENCE OF PRIME CONTRACTOR

The nature of this Project requires prior similar experience for the firm and the Key Personnel assigned. Summarize similar project experience below and provide the detailed project information requested:

Prime Contractor. List three projects of similar size and scope to the Work of the Contract, completed in the past two (2) years, and indicate who were the superintendent, project manager and scheduler. NOTE: this listing will be used to assess compliance with the stated minimum qualifications in Paragraph 1.01B.

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Construction Cost ($)</th>
<th>Year Completed</th>
<th>Name of Project Superintendent</th>
<th>Name of Project Manager</th>
<th>Name of Project Scheduler</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

List Key Personnel that will be assigned to the Work of the current Project and their experience/training with the projects listed above:

Project Manager: ________________________________________________________________

Project Superintendent: __________________________________________________________

Project Scheduler: _______________________________________________________________
Recent Projects.

Provide information about three (3) of its most currently completed projects. Names and references must be current and verifiable. This listing will be used to assess compliance with the stated minimum qualifications in Paragraph 1.01B. If a separate sheet is used, it must contain all of the following information:

1. Project Name: ____________________________________________________________
   Location: ___________________________________________________________________
   Owner: _______________________________________________________________________
   Owner Contact (name and phone): _________________________________________________
   Architect/Engineer: _____________________________________________________________
   Architect/Engineer Contact (name and phone number): ________________________________
   Const. Mgr. or Project Mgr. (name and phone number): ________________________________
   Description of Project, Scope of Work Performed: ________________________________
   Total Construction Cost: _________________________________________________________
   Total Change Order Amount: ______________________________________________________
   Did Change Orders exceed 10% of original contract sum? ___________ If yes, please explain on separate sheet.
   Original Scheduled Date of Completion: ___________________________________________
   Time Extensions Granted (number of calendar days): _________________________________
   Actual Date of Completion: ______________________________________________________
   Number of Stop Notices filed by Subcontractors or Suppliers: ________________________

2. Project Name: ____________________________________________________________
   Location: ___________________________________________________________________
   Owner: _______________________________________________________________________
   Owner Contact (name and phone): _________________________________________________
   Architect/Engineer: _____________________________________________________________
   Architect/Engineer Contact (name and phone number): ________________________________
   Const. Mgr. or Project Mgr. (name and phone number): ________________________________
   Description of Project, Scope of Work Performed: ________________________________
PART D: FINANCIAL INFORMATION

1. Has Bidder ever reorganized under the protection of bankruptcy laws? Yes _____ No _____ If yes, please state when _________________

2. If Bidder has had the general liability carrier identified in Document 00 4314 (Bidder Registration and Safety Experience Form) for less than 5 years, please provide additional information below for balance of the last 5 years:

   Agency Name: ____________________________________________________________________
   Contact Name: ____________________________________________________________________
   Phone Number ____________________________________________________________________
   Carrier: ___________________________________ A.M. Best Rating: ________________________
   Carrier: ___________________________________ A.M. Best Rating: ________________________
   Carrier: ___________________________________ A.M. Best Rating: ________________________

3. Has Bidder ever had insurance terminated by a carrier? Yes _____ No _____
   If yes, explain on a separate signed sheet marked with correlating cross-reference to this paragraph of the questionnaire.

Bidder hereby declares under penalty of perjury that all the information provided in this questionnaire is true and correct.

________________________________________________
SIGNATURE

________________________________________________
TITLE

END OF SECTION
DOCUMENT 00 4519
NON-COLLUSION AFFIDAVIT

PUBLIC CONTRACT CODE §7106

NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

STATE OF CALIFORNIA                          )
COUNTY OF ____________________________________________) ss.

_________________________________________________________________, being first duly sworn,

(Name of Principal of Bidder)

 ____________________________, (Name of Bidder)

being first duly sworn,

(Name of Bidder)

(Name of Affiant)

being first duly sworn,

(Name of Bidder)

(Name of Affiant)

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

Executed under penalty of perjury under the laws of the State of California:

(Name of Bidder)

(Signature of Principal)

Subscribed and sworn before me ____________________________________________

This _____________ day of ____________________________, 201__

Notary Public of the State of ____________________________________________

In and for the County of ____________________________________________

My Commission expires ____________________________________________ (Seal)
NOTE: If Bidder is a partnership or a joint venture, this affidavit must be signed and sworn to by every member of the partnership or venture.

NOTE: If Bidder [including any partner or venturer of a partnership or joint venture] is a corporation, this affidavit must be signed by the Chairman, President, or Vice President and by the Secretary, Assistant Secretary, Chief Financial Officer, or Assistant Treasurer.

NOTE: If Bidder’s affidavit on this form is made outside the State of California, the official position of the person taking such affidavit shall be certified according to law.

END OF SECTION
The undersigned Bidder certifies to City as set forth in sections 1 through 5 below.

1. **STATEMENT OF CONVICTIONS**
   By my signature hereunder, I hereby swear, under penalty of perjury, that no more than one final, unappealable finding of contempt of court by a Federal Court has been issued against Bidder within the past two years because of failure to comply with an order of a Federal Court or to comply with an order of the National Labor Relations Board.

2. **CERTIFICATION OF WORKER’S COMPENSATION INSURANCE**
   By my signature hereunder, as the Contractor, I certify that I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work of this Contract.

3. **CERTIFICATION OF PREVAILING WAGE RATES AND RECORDS**
   By my signature hereunder, as the Contractor, I certify that I am aware of the provisions of Section 1773 of the California Labor Code, which requires the payment of prevailing wage on public projects. Also, that the Contractor and any subcontractors under the Contractor shall comply with California Labor Code §1776, regarding wage records, and with California Labor Code §1777.5, regarding the employment and training of apprentices. It is the Contractor’s responsibility to ensure compliance by any and all subcontractors performing work under this Contract.

4. **CERTIFICATION OF COMPLIANCE WITH PUBLIC WORKS CHAPTER OF LABOR CODE**
   By my signature hereunder, as the Contractor, I certify that I am aware of Sections 1777.1 and 1777.7 of the California Labor Code and Contractor and Subcontractors and am eligible to bid and work on public works projects.

5. **CERTIFICATION OF ADEQUACY OF CONTRACT AMOUNT**
   By my signature hereunder, as the Contractor, pursuant to Labor Code Section 2810(a), I certify that, if awarded the Contract based on the undersigned’s Bid, the Contract will include funds sufficient to allow the Contractor to comply with all applicable local, state, and federal laws or regulations governing the labor or services to be provided. I understand that Owner will be relying on this certification if it awards the Contract to the undersigned.

**BIDDER:**

______________________________  (Name of Bidder)

Date: _________________ [201]  By: ________________________________  (Signature)

Name: ________________________________  (Print Name)

Its: ________________________________  (Title)

**END OF SECTION**
NOTICE OF INTENT TO AWARD

Dated ____________________________

TO: ________________________________

ADDRESS: __________________________

CONTRACT NO.: ____________________________

CONTRACT FOR: City of Berkeley
Strawberry Creek Park Play Area and Restroom Renovation Project AT
1260 West Street, Berkeley, CA 94702

The Contract Sum of your contract is XXXX.XX Dollars ($XXXX.XX).

1. Five copies of the proposed Contract Documents listed below accompany this Notice of Award.

2. You must comply with the following conditions precedent by [5:00 p.m.] of the [20th Day] following the date of this Notice of Award, that is, by XXXXXX.
   a. Deliver to Owner four fully executed counterparts of Document 00 5200 (Agreement). Each copy of Document 00 5200 (Agreement) must bear your original signature on the signature page and your initials on each page.
   b. Deliver to Owner three originals of Document 00 6113.13 (Construction Performance Bond), executed by you and your surety.
   c. Deliver to Owner three originals of Document 00 6113.16 (Construction Labor and Material Payment Bond), executed by you and your surety.
   d. Deliver to Owner one original set of the insurance certificates with endorsements required under Document 00 7316 (Supplementary Conditions – Insurance).
   e. Deliver to Owner four original copies of Document 00 6536 (Guaranty), each executed by you.
   f. Deliver to Owner three original copies of all documents found in Document 00 6580 (City of Berkeley Contracting Policies) executed by you.

3. Failure to comply with these conditions within the time specified will entitle Owner to consider your Bid abandoned, to annul this Notice of Award, and to declare your Bid security forfeited.

4. Within 30 calendar days after you comply with the conditions in Paragraph 2 of this Document 00 5100, Owner will return to you one fully signed counterpart of Document 00 5200 (Agreement) with three copies of the Project Manual (including Specifications and Drawings) and five sets of full-size Drawings.

5. Before you may start any Work at the Site, you must attend a preconstruction conference. The preconstruction conference may be arranged through the City’s Project Manager in writing as indicated in Document 00 1113 (Notice Inviting Bids), paragraph 1.03. Questions regarding bonds and insurance may
be directed to the City’s Project Manager at the same number. All other inquiries regarding the Project should be directed to the City’s Project Manager.

6. Upon commencement of the Work, you and each of your Subcontractors shall certify and provide Owner copies of payroll records on forms provided by the Division of Labor Standards Enforcement, in accordance with California Labor Code §1776.

OWNER

BY: ____________________________________

(Title)

______________________________________

(Print Name)

ATTEST: ____________________________________

Secretary

______________________________________

(Print Name)

AUTHORIZED BY CITY RESOLUTION:

NO: ____________________________________

ADOPTED: ________________________________, 202__

[Copy of Resolution Attached]

END OF DOCUMENT
THIS AGREEMENT, dated this [date] day of [Month], [201__], by and between [Contractor Name] whose place of business is located at [Contractor Address] ("Contractor"), and City of Berkeley ("City"), acting under and by virtue of the authority vested in Owner by the laws of the State of California.

SPECIFICATION NUMBER 20-11382-C

Strawberry Creek Park Play Area and Restroom Renovation Project
at
1260 West Street, Berkeley, CA 94702

NOW, THEREFORE, in consideration of the mutual covenants hereinafter set forth, Contractor and City agree as follows:

ARTICLE 1 – SCOPE OF WORK OF THE CONTRACT

1.01 WORK OF THE CONTRACT
A. Contractor shall complete all Work specified in the Contract Documents, in accordance with the Specifications, Drawings, and all other terms and conditions of the Contract Documents (Work).

1.02 PRICE FOR COMPLETION OF THE WORK
A. City shall pay Contractor the following Contract Sum $XXXX.XX for completion of Work in accordance with Contract Documents as follows: [HERE INSERT LUMP SUM, UNIT PRICES, OR CONTRACTOR’S BID IN WORDS AND NUMBERS]
B. The Contract Sum includes all allowances (if any).

ARTICLE 2 – COMMENCEMENT AND COMPLETION OF WORK

2.01 COMMENCEMENT OF WORK
A. Contractor shall commence Work on the date established in the Notice to Proceed (Commencement Date).
B. City reserves the right to modify or alter the Commencement Date.

2.02 COMPLETION OF WORK
A. Contractor shall achieve Substantial Completion of the entire Work within 120 calendar days from the Commencement Date.
B. Contractor shall achieve Final Completion of the entire Work 150 calendar days from the Commencement Date.

ARTICLE 3 – PROJECT REPRESENTATIVES

3.01 CITY’S PROJECT MANAGER
A. City has designated Isaac Carnegie as its Project Manager to act as City’s Representative in all matters relating to the Contract Documents.
B. Project Manager shall have final authority over all matters pertaining to the Contract Documents and shall have sole authority to modify the Contract Documents on behalf of City, to accept work, and to make decisions or actions binding on City, and shall have sole signature authority on
behalf of City.
C. City may assign all or part of the Project Manager’s rights, responsibilities and duties to a Construction Manager, or other City Representative.

3.02 CONTRACTOR’S PROJECT MANAGER
A. Contractor has designated ______ as its Project Manager to act as Contractor’s Representative in all matters relating to the Contract Documents.

3.03 ARCHITECT/ENGINEER
A. Harris Design Landscape Architecture furnished the Plans and Specifications and shall have the rights assigned to Architect/Engineer in the Contract Documents.
B. Architect/Engineer has designated Bill Harris as its project manager, to act as its representative for receiving and making communications authorized under the Contract Documents.

ARTICLE 4 – LIQUIDATED DAMAGES FOR DELAY IN COMPLETION OF WORK
4.01 LIQUIDATED DAMAGE AMOUNTS
A. As liquidated damages for delay, Contractor shall pay City one thousand two hundred dollars ($1200.00) for each Day that expires after the time specified herein for Contractor to achieve Substantial Completion of the entire Work, until achieved.
B. As liquidated damages for delay, Contractor shall pay City one thousand two hundred dollars ($1200.00) for each Day that expires after the time specified herein for Contractor to achieve Final Completion of the entire Work, until achieved.

4.02 SCOPE OF LIQUIDATED DAMAGES
A. Measures of liquidated damages shall apply cumulatively.
B. Limitations and stipulations regarding liquidated damages are set forth in Document 00 7200 (General Conditions).

ARTICLE 5 – CONTRACT DOCUMENTS
5.01 Contract Documents consist of the following documents, including all changes, Addenda, and Modifications thereto:

<table>
<thead>
<tr>
<th>Document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00 5100</td>
<td>Notice of Award</td>
</tr>
<tr>
<td>00 5200</td>
<td>Agreement</td>
</tr>
<tr>
<td>00 5500</td>
<td>Notice to Proceed</td>
</tr>
<tr>
<td>00 6113.13</td>
<td>Construction Performance Bond</td>
</tr>
<tr>
<td>00 6113.16</td>
<td>Construction Labor and Material Payment Bond</td>
</tr>
<tr>
<td>00 6536</td>
<td>Guaranty</td>
</tr>
<tr>
<td>00 6530</td>
<td>Release of Claims</td>
</tr>
<tr>
<td>00 6325</td>
<td>Substitution Request Form</td>
</tr>
<tr>
<td>00 6290</td>
<td>Escrow Agreement for Security Deposits</td>
</tr>
<tr>
<td>00 6580</td>
<td>City of Berkeley Contracting Policies</td>
</tr>
<tr>
<td>00 7200</td>
<td>General Conditions</td>
</tr>
<tr>
<td>00 7201</td>
<td>Supplementary Conditions</td>
</tr>
<tr>
<td>00 7316</td>
<td>Supplementary Conditions – Insurance</td>
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<tr>
<td>00 7319</td>
<td>Supplemental Conditions – Hazardous Materials</td>
</tr>
<tr>
<td>00 7380</td>
<td>Apprenticeship Programs</td>
</tr>
<tr>
<td>00 9113</td>
<td>Addenda</td>
</tr>
<tr>
<td>Specifications</td>
<td>Divisions 1 – General Specifications</td>
</tr>
<tr>
<td>Specifications</td>
<td>Divisions 2 through 33 – Technical Specifications</td>
</tr>
</tbody>
</table>
5.02 There are no Contract Documents other than those listed above. The Contract Documents may only be amended, modified or supplemented as provided in Document 00 7200 (General Conditions).

ARTICLE 6 – CONTRACTOR’S REPRESENTATIONS

In order to induce City to enter into this Agreement, Contractor makes the following representations and warranties:

6.01 Contractor has visited the site and has examined thoroughly and understood the nature and extent of the Contract Documents, Work, Site, locality, actual conditions, as-built conditions, and all local conditions, and federal, state and local laws and regulations that in any manner may affect cost, progress, performance or furnishing of Work or which relate to any aspect of the means, methods, techniques, sequences or procedures of construction to be employed by Contractor and safety precautions and programs incident thereto.

6.02 Contractor has examined thoroughly and understood all reports of exploration and tests of subsurface conditions, as-built drawings, drawings or reports, available for Bidding purposes, of physical conditions, including Underground Facilities, identified in the Bid Documents, or which may appear in the Drawings, and accepts the determination set forth in these documents and Document 00 7200 General Conditions of the limited extent of the information contained in such reports and drawings upon which the Contractor may be entitled to rely. Contractor agrees that except for the information so identified, Contractor does not and shall not rely on any other information contained in such reports and drawings.

6.03 Contractor has conducted or obtained and has understood all such examinations, investigations, explorations, tests, reports and studies (in addition to or to supplement those referred to in Article 6.02 above) which pertain to the subsurface conditions, as-built conditions, Underground Facilities and all other physical conditions at or contiguous to the site or otherwise which may affect the cost, progress, performance or furnishing of Work, as Contractor considers necessary for the performance or furnishing of Work at the Contract Sum, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of the General Conditions; and no additional examinations, investigations, explorations, test, reports, studies or similar information or data are or will be required by Contractor for such purposes.

6.04 Contractor has correlated its knowledge and the results of all such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.

6.05 Contractor has given the Project Manager prompt written notice of all conflicts, errors, ambiguities or discrepancies that it has discovered in or among the Contract Documents and as-built and actual conditions and the written resolution thereof through Addenda issued by Project Manager is acceptable to Contractor.

ARTICLE 7 – MISCELLANEOUS

7.01 Terms and abbreviations used in this Agreement are defined in Document 00 7200 (General Conditions) and Section 01 4200 (References and Definitions) and will have the meaning indicated therein.

7.02 It is understood and agreed that in no instance are the persons signing this Agreement for or on behalf of City or acting as an employee, agent, or representative of City, liable on this Agreement.
or any of the Contract Documents, or upon any warranty of authority, or otherwise, and it is further understood and agreed that liability of City is limited and confined to such liability as authorized or imposed by the Contract Documents or applicable law.

7.03 In entering into a public works contract or a subcontract to supply goods, services or materials pursuant to a public works contract, 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 §16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time City tenders final payment to Contractor, without further acknowledgment by the parties.

7.04 Copies of the general prevailing rates of per diem wages for each craft, classification, or type of worker needed to execute the Contract, as determined by Director of the State of California Department of Industrial Relations, are deemed included in the Contract Documents and on file at Owner’s Office, and shall be made available to any interested party on request. Pursuant to California Labor Code §§ 1860 and 1861, in accordance with the provisions of Section 3700 of the Labor Code, every contractor will be required to secure the payment of compensation to his employees. Contractor represents that it is 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 Contractor shall comply with such provisions before commencing the performance of the Work of the Contract Documents.

7.05 No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

No contractor or subcontractor may be awarded a contract for public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

7.06 This Agreement and the Contract Documents shall be deemed to have been entered into in the County of Alameda, State of California, and governed in all respects by California law (excluding choice of law rules). The exclusive venue for all disputes or litigation hereunder shall be in the Superior Court for the County of Alameda.
IN WITNESS WHEREOF the parties have executed this Agreement in triplicate the day and year first above written.

CITY OF BERKELEY

By: ______________________________
   City Manager

______________________________
   (Print Name)

Attest:
CITY OF BERKELEY

______________________________
   City Clerk

______________________________
   (Print Name)

[INSERT CONTRACTOR NAME;]

By: ______________________________
   (Signature)

Its: _______________________________
   Title (If Corporation: Chairman, President or Vice President)

By: ______________________________
   (Signature)

Its: _______________________________
   Title (If Corporation: Secretary, Assistant Secretary, Chief Financial Officer or Assistant Treasurer)

Pre-approved as to form:
CITY ATTORNEY
8/2016

END OF DOCUMENT
DOCUMENT 00 5500

NOTICE TO PROCEED

Dated: ______________________, 201__

To: ________________________________________________

(Contractor)

Address: ____________________________________________

____________________________

CONTRACT FOR: City of Berkeley Strawberry Creek Park Play Area and Restroom
Renovation Project AT 1260 West Street, Berkeley, CA 94702

CONTRACT NO: XXXXXX

You are notified that the Contract Time under the above Contract will commence to run on

____________________________ 2020. On that date, you are to start performing your

obligations with respect to Work at the Site under the Contract Documents. In accordance with Article 2

of Document 00 5200 (Agreement), the dates of Substantial Completion and Final Completion for the

entire Work are _____________________________, 2020 and

____________________________ 2020, respectively.

Before you may start any Work at the Site, you must:

1. Submit certified Safety Program and related information
2. Submit copies of applicable permits
3. Submit approved fire protection plan, if applicable
4. Submit approved SWPPP, if applicable
5. Submit approved Traffic Control Plan, if applicable
6. [Other]

OWNER

By: ________________________________________________

Its: ________________________________________________
END OF DOCUMENT
DOCUMENT 00 6113.13

CONSTRUCTION PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS:

1.01 THAT WHEREAS, City of Berkeley ("City"), a public agency of the State of California, has awarded to [Contractor Name] as Principal, Specification Number 20-11382-C, dated the ______ day of __________, 20____ (the "Contract"), titled Strawberry Creek Park Play Area and Restroom Renovation Project in the amount of $$XXXX.XX, which Contract is by this reference made a part hereof, for the work of the following Contract:

Removal and Replacement of the 5-12 playground and restroom, and accessibility improvements

1.02 AND WHEREAS, Principal is required to furnish a bond in connection with the Contract, guaranteeing the faithful performance thereof;

1.03 NOW, THEREFORE, we, the undersigned Principal and (Name of Surety) _____________________________________________________________________________________________ as Surety are held and firmly bound unto City in the sum of 100% OF THE CONTRACT PRICE to be paid to City or its successors and assigns; for which payment, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

1.04 THE CONDITION OF THIS OBLIGATION IS SUCH, that if Principal, or its heirs, executors, administrators, successors, or assigns approved by City, shall promptly and faithfully perform the covenants, conditions, and agreements of the Contract during the original term and any extensions thereof as may be granted by City, with or without notice to Surety, and during the period of any guarantees or warranties required under the Contract, and shall also promptly and faithfully perform all the covenants, conditions, and agreements of any alteration of the Contract made as therein provided, notice of which alterations to Surety being hereby waived, on Principal's part to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify, defend, protect, and hold harmless City as stipulated in the Contract, then this obligation shall become and be null and void; otherwise it shall be and remain in full force and effect.

1.05 No extension of time, change, alteration, modification, or addition to the Contract, or of the work required thereunder, or work or actions by City to mitigate the damages resulting from any breach in performance by Contractor, shall release or exonerate Surety on this bond or in any way affect the obligation of this bond; and Surety does hereby waive notice of any such extension of time, change, alteration, modification, or addition.

1.06 Whenever Principal shall be and declared by City in default under the Contract, Surety shall promptly remedy the default, or shall promptly, and in no event later than thirty (30) calendar days from notice:

A. Undertake through its agents or independent contractors (but having qualifications and experience reasonably acceptable to City, to complete the Contract in accordance with its terms and conditions and to pay and perform all obligations of Principal under the Contract, including without limitation, all obligations with respect to warranties, guarantees, indemnities, and the payment of liquidated damages; or

B. Obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and, upon determination by City of the lowest responsible bidder, arrange for a contract between such bidder and City and make available as work progresses (even though there should be a default or a succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract Sum, and to pay and perform all obligations of Principal under the Contract, including, without limitation, all
obligations with respect to warranties, guarantees, and the payment of liquidated damages; but, in any event, Surety’s total obligations hereunder shall not exceed the amount set forth in the third paragraph hereof. The term “balance of the Contract Sum,” as used in this paragraph, shall mean the total amount payable by City to the Principal under the Contract and any amendments thereto, less the amount paid by City to Principal.

1.07 Surety’s obligations hereunder are independent of the obligations of any other surety for the performance of the Contract, and suit may be brought against Surety and such other sureties, jointly and severally, or against any one or more of them, or against less than all of them without impairing City’s rights against the others.

1.08 Surety may not use Contractor to complete the Contract absent City’s Consent. City shall have the right in its sole discretion to continue the work of the Contract, as necessary following a default and/or termination, as necessary to prevent risks of personal injury, property damage or delay to the Project.

1.09 No right of action shall accrue on this bond to or for the use of any person or corporation other than City or its successors or assigns.

1.10 Surety shall join in any proceedings brought under the Contract upon City’s demand, and shall be bound by any judgment.

1.11 Correspondence or claims relating to this bond shall be sent to Surety at the address set forth below.

IN WITNESS WHEREOF, we have hereunto set our hands this ________ day of ____________, 20____.

CONTRACTOR AS PRINCIPAL                                SURETY

Company: (Corp. Seal)                                    Company: (Corp. Seal)

Signature: ________________________________             Signature: ________________________________

Name and Title: ________________________________       Name and Title: ________________________________

Address: ________________________________________   Address: ________________________________________

______________________________________________     ________________________________________________

END OF DOCUMENT
CONSTRUCTION LABOR AND MATERIAL PAYMENT BOND

KNOW ALL PERSONS BY THESE PRESENTS:

1.01 THAT WHEREAS, City of Berkeley ("City") has awarded to [Contractor Name] as Principal, Specification No. 20-11382-C dated the ___ day of _____________, 20___ (the "Contract"), titled Strawberry Creek Park Play Area and Restroom Renovation Project in the amount of $XXXX.XX, which Contract is by this reference made a part hereof, for the work of the following Contract:

Removal and replacement of the 5-12 playground and restroom, and accessibility improvements.

1.02 AND WHEREAS, Principal is required to furnish a bond in connection with the Contract to secure the payment of claims of laborers, mechanics, material suppliers, and other persons as provided by law;

1.03 NOW, THEREFORE, we, the undersigned Principal and (Name of Surety), as Surety, are held and firmly bound unto City in the sum of 100% OF THE CONTRACT PRICE ($________), for which payment well and truly to be made we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

1.04 THE CONDITION OF THIS OBLIGATION IS SUCH, that if Principal, or its executors, administrators, successors, or assigns approved by City, or its subcontractors shall fail to pay any of the persons named in California Civil Code §3181, or amounts due under the State of California Unemployment Insurance Code with respect to work or labor performed under the Contract, or for any amounts required to be deducted, withheld, and paid over to the State of California Employment Development Department from the wages of employees of Principal and subcontractors pursuant to Section 13020 of the State of California Unemployment Insurance Code with respect to such work and labor, that Surety will pay for the same in an amount not exceeding the sum specified in this bond, plus reasonable attorneys’ fees, otherwise the above obligation shall become and be null and void.

1.05 This bond shall inure to the benefit of any of the persons named in California Civil Code §3181, as to give a right of action to such persons or their assigns in any suit brought upon this bond. The intent of this bond is to comply with the California Mechanic’s Lien Law.

1.06 Surety, for value received, hereby expressly agrees that no extension of time, change, modification, alteration, or addition to the undertakings, covenants, terms, conditions, and agreements of the Contract, or to the work to be performed thereunder, shall in any way affect the obligation of this bond; and it does hereby waive notice of any such extension of time, change, modification, alteration, or addition to the undertakings, covenants, terms, conditions, and agreements of the Contract, or to the work to be performed thereunder.

1.07 Surety’s obligations hereunder are independent of the obligations of any other surety for the payment of claims of laborers, mechanics, material suppliers, and other persons in connection with Contract; and suit may be brought against Surety and such other sureties, jointly and severally, or against any one or more of them, or against less than all of them without impairing Owner’s rights against the other.
1.08 Correspondence or claims relating to this bond shall be sent to Surety at the address set forth below.

IN WITNESS WHEREOF, we have hereunto set our hands this ___ day of _________________, 20___.

CONTRACTOR AS PRINCIPAL

Company: (Corp. Seal)

__________________________  __________________________
Signature                  Signature

__________________________  __________________________
Name                       Name

__________________________  __________________________
Title                      Title

__________________________  __________________________
Street Address             Street Address

__________________________  __________________________
City, State, Zip Code       City, State, Zip Code

SURETY

Company: (Corp. Seal)

__________________________  __________________________
Signature                  Signature

__________________________  __________________________
Name                       Name

__________________________  __________________________
Title                      Title

__________________________  __________________________
Street Address             Street Address

__________________________  __________________________
City, State, Zip Code       City, State, Zip Code

END OF DOCUMENT
ESCAPROW AGREEMENT FOR SECURITY DEPOSIT IN LIEU OF RETENTION

California Public Contract Code §22300

THIS ESCROW AGREEMENT ("Escrow Agreement") is made and entered into this _____ day of _________________, 201__, by and between City of Berkeley ("City"), whose address is 2180 Milvia Street, Berkeley, California 94704, [Contractor Name] ("Contractor"), whose place of business is located at [Contractor Address] and __________________________________________ (Name), as escrow agent OR [ ] (Name of Bank) __________________________________________, a state or federally chartered bank in the State of California, whose place of business is located at ___________________________ (“Escrow Agent”).

For the consideration hereinafter set forth, City, Contractor and Escrow Agent agree as follows:

1. Pursuant to California Public Contract Code §22300, Contractor has the option to deposit securities with Escrow Agent as a substitute for retention earnings required to be withheld by City pursuant to Contract Number __________________ entered into between City and Contractor for Strawberry Creek Park Play Area and Restroom Renovation Project located at 1260 West Street, Berkeley, CA 94702 in the amount of $XXXX.XX dated ____________, 201__ (the “Contract”). Alternatively, on written request of Contractor, City shall make payments of the retention earnings directly to Escrow Agent. When Contractor deposits the securities as a substitute for Contract earnings, Escrow Agent shall notify City within ten calendar days of the deposit. The market value of the securities at the time of substitution shall be at least equal to the cash amount then required to be withheld as retention under terms of Contract between Owner and Contractor. Securities shall be held in name of ______________, and shall designate Contractor as the beneficial owner.

2. City shall make progress payments to Contractor for those funds which otherwise would be withheld from progress payments pursuant to Contract provisions, provided that Escrow Agent holds securities in form and amount specified in Paragraph 1 of this Document 00 6290.

3. When City makes payment(s) of retention earned directly to Escrow Agent, Escrow Agent shall hold said payment(s) for the benefit of Contractor until the time that the escrow created under this Escrow Agreement is terminated. Contractor may direct the investment of the payments into securities. All terms and conditions of this Escrow Agreement and the rights and responsibilities of the parties shall be equally applicable and binding when City pays Escrow Agent directly.

4. Contractor shall be responsible for paying all fees for the expenses incurred by Escrow Agent in administering the Escrow Account, and all expenses of City. Such expenses and payment terms shall be determined by Owner, Contractor, and Escrow Agent.

5. Interest earned on securities or money market accounts held in escrow and all interest earned on that interest shall be for sole account of Contractor and shall be subject to withdrawal by Contractor at any time and from time to time without notice to City.

6. Contractor shall have the right to withdraw all or any part of the principal in the Escrow Account only by written notice to Escrow Agent accompanied by written authorization from City to Escrow Agent that City consents to withdrawal of amount sought to be withdrawn by Contractor.

7. City shall have the right to draw upon the securities in event of default by Contractor. Upon seven (7) calendar days written notice to Escrow Agent from City of the default, Escrow Agent shall immediately convert the securities to cash and shall distribute the cash as instructed by City.

8. Upon receipt of written notification from City certifying that the Contract is final and complete, and that Contractor has complied with all requirements and procedures applicable to the Contract,
Escrow Agent shall release to Contractor all securities and interest on deposit less escrow fees and charges of the Escrow Account. The escrow shall be closed immediately upon disbursement of all moneys and securities on deposit and payments of fees and charges.

9. Escrow Agent shall rely on written notifications from City and Contractor pursuant to Paragraphs 5 through 8, inclusive, of this Document 00 6290 and City and Contractor shall hold Escrow Agent harmless from Escrow Agent’s release and disbursement of securities and interest as set forth.

10. Names of persons who are authorized to give written notice or to receive written notice on behalf of City and on behalf of Contractor in connection with the foregoing, and exemplars of their respective signatures are as follows:

ON BEHALF OF CITY:

Title
Name
Signature
Address
City/State/Zip Code

ON BEHALF OF CONTRACTOR:

Title
Name
Signature
Address
City/State/Zip Code

ON BEHALF OF ESCROW AGENT:

Title
Name
Signature
Address
City/State/Zip Code

IN WITNESS WHEREOF, the parties have executed this Escrow Agreement by their proper officers on the date first set forth above.

CITY

Title
Name
Signature

CONTRACTOR

Title
Name
Signature
At the time the Escrow Account is opened, City and Contractor shall deliver to Escrow Agent a fully executed counterpart of this Document 00 6290.

END OF DOCUMENT
SUBSTITUTION REQUEST FORM

To: [___________, Project Manager, City of Berkeley]
[(____) ____-____]

PROJECT:
City's Specification No. :

Contractor:

Substitution Request By:
Firm:

Transmittal Record

Attn: Firm: Date Sent: Date Rec'd: Date Due:
Contractor to City
Contractor to Architect
City / Architect to Consultant

Architect to City Representative
City Representative to Contractor

We hereby submit for your consideration the following product instead of the specified item for the Project:

<table>
<thead>
<tr>
<th>Section / Drawing</th>
<th>Article</th>
<th>Specified Item</th>
</tr>
</thead>
</table>

Proposed Substitution:

We have (a) attached manufacturer's literature, including complete technical data and laboratory test results, if applicable, (b) attached an explanation of why proposed substitution is a true equivalent to specified item, (c) included complete information on changes to Contract Documents that the proposed substitution will require for its proper installation, and (d) filled in the blanks below:
**Contractor to complete questions that follow and certifies to the accuracy of all answers:**

<table>
<thead>
<tr>
<th>A. Does the substitution affect dimensions shown on Drawings? Yes __ / No __. If No, please explain proposed mitigation and why substitution is equivalent to originally specified item:</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Will the undersigned pay for changes to the building design, including engineering and detailing costs caused by the requested substitution? Yes __ / No __. If No, please state reasons explain why substitution is equivalent to originally specified item:</td>
</tr>
<tr>
<td>C. What effect does the substitution have on other trades? No effect: __ / Some effect__. If substitution will affect other trades, please explain the effect and why substitution is equivalent to originally specified item:</td>
</tr>
<tr>
<td>D. Will substitution cause change to Project Schedule, or to critical delivery dates? Add? Shorten? If the substitution will add to schedule dates or affect critical activities, please explain why substitution is equivalent to originally specified item:</td>
</tr>
<tr>
<td>E. Please describe differences between proposed substitution and specified item? Please explain and identify any and all differences, and please explain why substitution is equivalent to originally specified item:</td>
</tr>
<tr>
<td>F. What is the Cost Differential to Contractor in original specified item and proposed substitution including all mark-ups? [If substitution requested during bid period, skip this question.]</td>
</tr>
<tr>
<td>G. Are Manufacturer's guarantees for the proposed item the same as for item specified? Yes <strong><strong>; No</strong></strong>. If No, please explain why substitution is equivalent to originally specified item:</td>
</tr>
</tbody>
</table>
H. Contractor accepts full responsibility for delays caused by redesign of other items of the Work necessitated by substitution? Yes ___ / No ___. If No, please state reasons and explain why substitution is equivalent to originally specified item:

I. Contractor states that the function, appearance and quality are equivalent or superior to the specified item? Yes ___ / No ___. If No, please explain why substitution is equivalent to originally specified item:

We certify that the function, appearance, and quality of the proposed substitution are equivalent or superior to those of the specified item, except as we may specifically state otherwise in this request.

Submitted by: ___________________________  Signature: ___________________________

Firm: ___________________________  Date: ___________________________

Address: ___________________________  Phone/ Fax: ___________________________

Remarks: ________________________________________________________________

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<thead>
<tr>
<th>Consultant Response:</th>
<th>City Representative Response:</th>
</tr>
</thead>
<tbody>
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<td>o Received Too Late</td>
<td>o Received Too Late</td>
</tr>
</tbody>
</table>

Remarks: ___________________________

By: ___________________________

Remarks: ___________________________

By: ___________________________

END OF DOCUMENT
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DOCUMENT 00 6530

AGREEMENT AND RELEASE OF ANY AND ALL CLAIMS
[Public Contract Code § 7100]

THIS AGREEMENT AND RELEASE OF ANY AND ALL CLAIMS (“Agreement and Release”), made and entered into this ________ day of ____________, 20____, by and between City of Berkeley (“City”), and [Contractor Name] (“Contractor”), whose place of business is at [Contractor Address].

RECITALS

A. City and Contractor entered into Contract Number XXXXXX (the “Contract”) for construction of City Strawberry Creek Park Play Area and Restroom Renovation Project located at 1260 West Street, Berkeley, CA 94702, California.

B. The Work under the Contract has been completed.

AGREEMENT

NOW THEREFORE, it is mutually agreed between City and Contractor as follows:

1. Contractor will not be assessed liquidated damages except as detailed below:

   Original Contract Sum  $ ____________________________
   Modified Contract Sum  $ ____________________________
   Payment to Date  $ ____________________________
   Liquidated Damages  $ ____________________________
   Payment Due Contractor  $ ____________________________

2. Subject to the provisions of this Agreement and Release, Owner will forthwith pay to Contractor the sum of [XXXX.XX Dollars ($$XXXX.XX)] under the Contract, less any amounts withheld under the Contract or represented by any Notice to Withhold Funds on file with City as of the date of such payment.

3. Contractor acknowledges and hereby agrees that there are no unresolved or outstanding claims in dispute against City arising from the Contract, except for the claims described in Paragraph 4 of this Document 00 6530. It is the intention of the parties in executing this Agreement and Release that this Agreement and Release shall be effective as a full, final and general release of all claims, demands, actions, causes of action, obligations, costs, expenses, damages, losses and liabilities of Contractor against City, and all if its agents, employees, consultants, inspectors, representatives, assignees and transferees, except for the Disputed Claims set forth in Paragraph 4 of this Document 00 6530. Nothing in this Agreement and Release shall limit or modify Contractor’s continuing obligations described in Paragraph 6 of this Document 00 6530.

4. The following claims submitted under Document 00 7200 (General Conditions), Article 12, are disputed (hereinafter, the “Disputed Claims”) and are specifically excluded from the operation of this Agreement and Release.

Agreement and Release of Any and All Claims 00 6530-1
5. Consistent with California Public Contract Code §7100, Contractor hereby agrees that, in consideration of the payment set forth in Paragraph 2 of this Document 00 6530, Contractor hereby releases and forever discharges City, and all of its agents, employees, consultants, inspectors, assignees and transferees from any and all liability, claims, demands, actions or causes of action of whatever kind or nature arising out of or in any way concerned with the Work under the Contract.

6. Guarantees and warranties for the Work, and any other continuing obligation of Contractor, shall remain in full force and effect as specified in the Contract Documents.

7. Contractor shall immediately defend, indemnify and hold harmless City, any of the City’s Representatives, Project Manager, and all of their agents, employees, consultants, inspectors, assignees and transferees, from any and all claims, demands, actions, causes of action, obligations, costs, expenses, damages, losses and liabilities that may be asserted against them by any of Contractor’s suppliers and/or Subcontractors of any tier and/or any suppliers to them for any and all labor, materials, supplies and equipment used, or contemplated to be used in the performance of the Contract, except for the Disputed Claims set forth in Paragraph 4 of this Document 00 6530.

8. Contractor hereby waives the provisions of California Civil Code §1542, which provide as follows:

A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS OR HER FAVOR AT THE TIME OF EXECUTING THE RELEASE, WHICH IF KNOWN BY HIM OR HER, MUST HAVE MATERIALLY AFFECTED HIS OR HER SETTLEMENT WITH THE DEBTOR.

9. The provisions of this Agreement and Release are contractual in nature and not mere recitals and shall be considered independent and severable, and if any such provision or any part thereof shall be at any time held invalid in whole or in part under any federal, state, county, municipal or other law, ruling, or regulation, then such provision, or part thereof shall remain in force and effect only to the extent permitted by law, and the remaining provisions of this Agreement and Release shall also remain in full force and effect, and shall be enforceable.

10. Contractor represents and warrants that it is the true and lawful owner of all claims and other matters released pursuant to this Agreement and Release, and that it has full right, title and authority to enter into this instrument. Each party represents and warrants that it has been represented by counsel of its own choosing in connection with this Agreement and Release.

11. All rights of City shall survive completion of the Work or termination of the Contract, and execution of this Agreement and Release.
** CAUTION: THIS IS A RELEASE - READ BEFORE EXECUTING **

**CITY**

By: ________________________________
    Signature

Name: ________________________________
    Print

Its: ________________________________
    Title

**ATTEST:**

______________________________
    Title

______________________________
    Print

[CONTRACTOR]

By: ________________________________
    Signature

Name: ________________________________
    Print

Its: ________________________________
    Title

[CONTRACTOR]

By: ________________________________
    Signature

Name: ________________________________
    Print

Its: ________________________________
    Title
Pre-approved as to form:
CITY ATTORNEY
8/2016

END OF DOCUMENT
GUARANTY

TO: The City of Berkeley ("City"), for construction of Strawberry Creek Park Play Area and Restroom Renovation Project located at 1260 West Street, Berkeley, CA 94702, California.

The undersigned guarantees all construction performed on this Project and also guarantees all material and equipment incorporated therein.

Contractor hereby grants to City for a period of one year following the date of Final Acceptance of the Work completed, or such longer period specified in the Contract Documents, its unconditional warranty of the quality and adequacy of all of the Work including, without limitation, all labor, materials and equipment provided by Contractor and its Subcontractors of all tiers in connection with the Work.

Neither final payment nor use nor occupancy of the Work performed by the Contractor shall constitute an acceptance of Work not done in accordance with this Guaranty or relieve Contractor of liability in respect to any express warranties or responsibilities for faulty materials or workmanship. Contractor shall remedy any defects in the Work and pay for any damage resulting therefrom, which shall appear within one year, or longer if specified, from the date of Final Acceptance of the Work completed.

If within one year after the date of Final Acceptance of the Work completed, or such longer period of time as may be prescribed by laws or regulations, or by the terms of Contract Documents, any Work is found to be Defective, Contractor shall promptly, without cost to City and in accordance with City’s written instructions, correct such Defective Work. Contractor shall remove any Defective Work rejected by City and replace it with Work that is not Defective, and satisfactorily correct or remove and replace any damage to other Work or the work of others resulting therefrom. If Contractor fails to promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk of loss or damage, City may have the Defective Work corrected or the rejected Work removed and replaced. Contractor shall pay for all claims, costs, losses and damages caused by or resulting from such removal and replacement. Where Contractor fails to correct Defective Work, or defects are discovered outside the correction period, City shall have all rights and remedies granted by law.

Inspection of the Work shall not relieve Contractor of any of its obligations under the Contract Documents. Even though equipment, materials, or Work required to be provided under the Contract Documents have been inspected, accepted, and estimated for payment, Contractor shall, at its own expense, replace or repair any such equipment, material, or Work found to be Defective or otherwise not to comply with the requirements of the Contract Documents up to the end of the guaranty period.

All abbreviations and definitions of terms used in this Agreement shall have the meanings set forth in the Contract Documents.

The foregoing Guaranty is in addition to any other warranties of Contractor contained in the Contract Documents, and not in lieu of, any and all other liability imposed on Contractor under the Contract Documents and at law with respect to Contractor’s duties, obligations, and performance under the Contract Documents. In the event of any conflict or inconsistency between the terms of this Guaranty and any warranty or obligation of the Contractor under the Contract Documents or at law, such inconsistency or conflict shall be resolved in favor of the higher level of obligation of the Contractor.

Date: ____________________________, 20__

Contractor’s name

By: ______________________________

Signature
Contractor shall comply with the City of Berkeley’s adopted employment policies applying to City construction projects as described in Document 00 7317. The following certifications/forms shall be submitted in accordance with Document 00 2113 Instructions to Bidders:

- Memorandum of Understanding
- Workforce Composition Form
- Agreement for Change in Subcontractors
- Nuclear Free Zone Disclosure Form
- Oppressive States Compliance Statement
- Hardwood Disclosure Form
- Community Workforce Agreement, Agreement to be Bound (for projects over $500,000)
- Certification Of Compliance With Equal Benefits Ordinance
- Taxpayer Identification Report
- Right to Audit Form
- Sanctuary City Compliance Certification
- Contractor’s License
- City of Berkeley Business License
CITY OF BERKELEY
MEMORANDUM OF UNDERSTANDING
(MOU)

1. The Contractor (and all Subcontractors) agree not to discriminate pursuant to City Ordinance No. 5876.

2. The Contractor agrees that he/she is also responsible for his/her Subcontractors' compliance with City of Berkeley Ordinance No. 5876.

3. For contracts over $100,000, the Contractor agrees to comply with Ordinance No. 5876 as applied to the First Source Program (see Section 8 of Ordinance 5876).

The Contractor agrees to submit periodic employment and wage reports to the City's Contract Compliance Officer upon reasonable request.

_________________________________________   ________________________________
Contractor                                      City of Berkeley Contracts Compliance Officer
                                                Or his/her designee

_________________________  __________________________
Date                                           Date
CITY OF BERKELEY
AGREEMENT FOR CHANGE IN SUB-CONTRACTORS

I agree to use the Subcontractor(s) listed in the signed contract with the City of Berkeley. If it should become necessary to change
Subcontractors, I will notify the Capital Projects Manager by completing the following information:

<table>
<thead>
<tr>
<th>Current Subcontractor(s)</th>
<th>Alternate Subcontractors</th>
<th>Reason for Change</th>
<th>Date</th>
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</table>

Signed by:          Verified by:

Prime Contractor   Subcontractor     City of Berkeley Contracts Compliance Officer
Or his/her designee

Date: __________    Date: __________    Date: __________
CITY OF BERKELEY
WORKFORCE COMPOSITION FORM FOR ALL CONSTRUCTION CONTRACTS

This form is to be completed and submitted prior to the Contract Compliance Conference. The Contractor and all Subcontractors who will do work valued at $3,000 or more are required to submit this form. Weekly payroll reports will be compared to this listing to monitor for compliance. A payroll printout or other listing of employees providing the same information will be accepted.

Name of Contractor/Subcontractor:

Project:

<table>
<thead>
<tr>
<th>Name</th>
<th>Race*</th>
<th>Sex**</th>
<th>Trade/Craft</th>
<th>Basic Hourly Rate</th>
<th>Hire Date</th>
<th>Employees to be used on this job</th>
</tr>
</thead>
</table>

* A=Asian or Pacific Islander
**M = Male
**F = Female
AI=American Indian
B=Afro American
C=Caucasian
H=Hispanic (Mexican, Puerto Rican, Spanish, Cuban, Chicano, Central or South American)

8/91

Signature: ___________________________ Date: ____________
Contractor/Subcontractor

Verified By: ___________________________ Date: ____________
City of Berkeley Contracts Compliance Officer or his/her designee

City of Berkeley Contracting Policies 00 6580-4
CITY OF BERKELEY
NUCLEAR FREE ZONE DISCLOSURE FORM

I (we) certify that:

1. I am (we are) fully cognizant of any and all contracts held, products made or otherwise handled by this business entity, and of any such that are anticipated to be entered into, produced or handled for the duration of its contract(s) with the City of Berkeley. (To this end, this disclosure form may be signed by more than one individual, if a description of which type of contracts each individual is cognizant is attached.)

2. I (we) understand that Section 12.90.070 of the Nuclear Free Berkeley Act (Berkeley Municipal Code Ch. 12.90; Ordinance No. 5784-N.S.) prohibits the City of Berkeley from contracting with any person or business that knowingly engages in work for nuclear weapons.

3. I (we) understand the meaning of the following terms as set forth in Berkeley Municipal Code section 12.90.130:

"Work for nuclear weapons" is any work the purpose of which is the development, testing, production, maintenance or storage of nuclear weapons or the components of nuclear weapons; or any secret or classified research or evaluation of nuclear weapons; or any operation, management or administration of such work.

"Nuclear weapon" is any device, the intended explosion of which results from the energy released by reactions involving atomic nuclei, either fission or fusion or both. This definition of nuclear weapons includes the means of transporting, guiding, propelling or triggering the weapon if and only if such means is destroyed or rendered useless in the normal propelling, triggering, or detonation of the weapon.

"Component of a nuclear weapon" is any device, radioactive or non-radioactive, the primary intended function of which is to contribute to the operation of a nuclear weapon (or be a part of a nuclear weapon).

4. Neither this business entity nor its parent nor any of its subsidiaries engages in work for nuclear weapons or anticipates entering into such work for the duration of its contract(s) with the City of Berkeley.

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

Signed: _______________________________ Date: ________________
Printed Name and Title(s): __________________________
Company: ________________________________
CITY OF BERKELEY
OPPRESSIVE STATES COMPLIANCE STATEMENT

The undersigned, an authorized agent of ___________________________ (hereafter "Contractor"), has had an opportunity to review the requirements of Berkeley City Council Resolution No. 59,853-N.S (hereafter "Resolution"). Contractor understands and agrees that the City may choose with whom it will maintain business relations and may refrain from contracting with those Business Entities which maintain business relationships with morally repugnant regimes. Contractor understands the meaning of the following terms used in the Resolution:

"Business Entity" means "any individual, firm, partnership, corporation, association, or any other commercial organization, including parent-entities and wholly-owned subsidiaries" (to the extent that their operations are related to the purpose of the contract with the City).

"Personal Services" means "the performance of any work or labor and shall also include acting as an independent contractor or providing any consulting advice or assistance, or otherwise acting as an agent pursuant to a contractual relationship."

"Oppressive State" means: 1) Tibet Autonomous Region and the Provinces of Ado, Kham, and U-Tsang.

Contractor understands that it is not eligible to receive or retain a City contract if at the time the contract is executed, or at any time during the term of the contract, it provides Personal Services to:

a. The governing regime in any Oppressive State.
b. Any business or corporation organized under the authority of the governing regime of any Oppressive State.
c. Any person for the express purpose of assisting in business operations or trading with any public or private entity located in any Oppressive State.

Contractor further understands and agrees that Contractor's failure to comply with the Resolution shall constitute a default of the contract and the City Manager may terminate the contract and bar Contractor from bidding on future contracts with the City for five (5) years from the effective date of the contract termination.

The undersigned is familiar with, or has made a reasonable effort to become familiar with, Contractor's business structure and the geographic extent of its operations. By executing this Statement, Contractor certifies that it complies with the requirements of the Resolution and that if any time during the term of the contract it ceases to comply, Contractor will promptly notify the City Manager in writing.

Based on the foregoing, the undersigned declares under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Printed Name: ___________________________ Title: ___________________________
Signed: ___________________________ Date: ___________________________

Business Entity: ___________________________

Contract description/Specification No.: Strawberry Creek Park Play Area and Restroom Renovation Project / 20-11382-C

I am unable to execute this Statement; however, Contractor is exempt under Section VII of the Resolution. I have attached a separate statement explaining the reason(s) Contractor cannot comply and the basis for any requested exemption.

Signed: ___________________________ Date: ___________________________
CITY OF BERKELEY
HARDWOOD DISCLOSURE FORM
For use by vendors on contracts utilizing lumber

1. I understand that on December 12, 1995, the City Council directed staff not to purchase lumber from companies that purchase or sell wood or paper products that come from tropical rainforests. I understand that wood species with tropical origins include, but are not limited to: Apitong, Banak, Bocote, Bubinga, Cocobolo, Cordia, Ebony, Goncalo alves, Greenheart, Iroko, Jelutang, Koa, Luauan, Mahogany, Meranti, Padauk, Purpleheart, Ramin, Rosewood, Satinwood, Teak, Virola, Wenge, and Zebrawood.

2. I am knowledgeable about the wood and paper products purchased and sold by this company.

3. This company does not currently purchase or sell wood or paper products having their origins in tropical rainforests. In addition, this company will not, for the duration of its contract with the City of Berkeley, purchase or sell wood or paper products having their origins in tropical rainforests.

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

Signed: ___________________________ Date: ______________

Printed Name & Title: ___________________________

Company: ___________________________

I am unable to sign this disclosure form for the following reason(s):

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________
AGREEMENT TO BE BOUND

The undersigned, as a Contractor or Subcontractor ("Contractor") on a City Project ("Project"), for and in consideration of the award to it of a contract to perform work on said Project, and in further consideration of the mutual promises made in the Project’s Community Workforce Agreement ("Agreement"), a copy which was received and is acknowledged, hereby:

1. Accepts and agrees to be bound by the terms and conditions of the Agreement, together with any and all amendments and supplements now existing or which are later made to said Agreement.

2. Certifies that it has no commitments or agreements which would preclude its full and complete compliance with the terms and conditions of said Agreement;

3. Agrees to secure from any Contractor (as defined in said Agreement) which is or becomes a subcontractor (or any tier) to it, and from any successors, a duly executed Agreement to be Bound in form identical to this document.

4. Contractor agrees that it shall be bound by all applicable trust agreements and plans for the provision of such fringe benefits as accrue to the direct benefit of the construction persons, including Health and Welfare, Pension, Training, Vacation, and/or other direct benefits provided pursuant to the appropriate craft agreement contained in Schedule “A” of Agreement.

Date: _________________________________

Company Name: _______________________________________________________________

Name of Prime Contractor or Higher Level Subcontractor: _____________________________

Name of Project: ______________________________________________________________________

Signature: _________________________________________

Print Name: ________________________________________

Title: _____________________________________________

Mailing Address: ____________________________________

Email Address: _____________________________________

Contractor’s License #: _______________________________

Motor Carrier Permit (CA) #: ___________________________
CITY OF BERKELEY
CERTIFICATION OF COMPLIANCE WITH EQUAL BENEFITS ORDINANCE

If you are a contractor, return this form to the originating department/project manager. If you are a vendor (supplier of goods), return this form to the Purchasing Division of the Finance Dept.

SECTION 1. CONTRACTOR/VENDOR INFORMATION

<table>
<thead>
<tr>
<th>Name:</th>
<th>Vendor No.:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td>City:</td>
</tr>
<tr>
<td>Contact Person:</td>
<td>State:</td>
</tr>
<tr>
<td>E-mail Address:</td>
<td>ZIP:</td>
</tr>
<tr>
<td>Telephone:</td>
<td>Fax No.:</td>
</tr>
</tbody>
</table>

SECTION 2. COMPLIANCE QUESTIONS

A. The EBO is inapplicable to this contract because the contractor/vendor has no employees.
   □ Yes □ No (If "Yes," proceed to Section 5; if "No", continue to the next question.)

B. Does your company provide (or make available at the employees’ expense) any employee benefits?
   □ Yes □ No
   If "Yes," continue to Question C.
   If "No," proceed to Section 5. (The EBO is not applicable to you.)

C. Does your company provide (or make available at the employees’ expense) any benefits to the spouse of an employee?
   □ Yes □ No

D. Does your company provide (or make available at the employees’ expense) any benefits to the domestic partner of an employee?
   □ Yes □ No
   If you answered "No" to both Questions C and D, proceed to Section 5. (The EBO is not applicable to this contract.)
   If you answered "Yes" to both Questions C and D, please continue to Question E.
   If you answered "Yes" to Question C and "No" to Question D, please continue to Section 3.

E. Are the benefits that are available to the spouse of an employee identical to the benefits that are available to the domestic partner of the employee?
   □ Yes □ No
   If you answered "Yes," proceed to Section 4. (You are in compliance with the EBO.)
   If you answered "No," continue to Section 3.

SECTION 3. PROVISIONAL COMPLIANCE

A. Contractor/vendor is not in compliance with the EBO now but will comply by the following date:

   □ By the first effective date after the first open enrollment process following the contract start date, not to exceed two years, if the Contractor submits evidence of taking reasonable measures to comply with the EBO; or

   □ At such time that administrative steps can be taken to incorporate nondiscrimination in benefits in the Contractor’s infrastructure, not to exceed three months; or

   □ Upon expiration of the contractor’s current collective bargaining agreement(s).

B. If you have taken all reasonable measures to comply with the EBO but are unable to do so, do you agree to provide employees with a cash equivalent?
   □ Yes □ No

* The cash equivalent is the amount of money your company pays for spousal benefits that are unavailable for domestic partners.

SECTION 4. REQUIRED DOCUMENTATION

At time of issuance of purchase order or contract award, you may be required by the City to provide documentation (copy of employee handbook, eligibility statement from your plans, insurance provider statements, etc.) to verify that you do not discriminate in the provision of benefits.
SECTION 5. CERTIFICATION

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that I am authorized to bind this entity contractually. By signing this certification, I further agree to comply with all additional obligations of the Equal Benefits Ordinance that are set forth in the Berkeley Municipal Code and in the terms of the contract or purchase order with the City.

Executed this ______day of ________________, in the year __________, at ____________________, ___________________.

(City) (State)

______________________________
Name (please print)

______________________________
Signature

______________________________
Title

______________________________
Federal ID or Social Security Number

FOR CITY OF BERKELEY USE ONLY

☐ Non-Compliant (The City may not do business with this contractor/vendor)

☐ One-Person Contractor/Vendor ☐ Full Compliance ☐ Reasonable Measures

☐ Provisional Compliance Category, Full Compliance by Date:

______________________________
Staff Name(Sign and Print):

______________________________
Date:

Form EBO-1 Revised 7/1/02 Page 2
TAXPAYER IDENTIFICATION REPORT

NAME/COMPANY’S NAME: ____________________________________________
__________________________________________________________________

MAILING ADDRESS: ______________________________________________
__________________________________________________________________

SOCIAL SECURITY NO.: ____________________________________________

OR

EMPLOYER IDENTIFICATION NO.: __________________________________

My Company is a Corporation [  ]
My Company is not a Corporation [  ]

I certify that the above information is true and correct:

__________________________________________________________________
(Signature) (Title)

The Tax Equity and Fiscal Responsibility Act of 1982 (Public Law 97-248) requires the above reporting
information be furnished to the City.

Persons who do not furnish their tax information numbers become subject to backup withholding by the
City at a rate of 20% from each disbursement made to the recipient.
CITY OF BERKELEY
RIGHT TO AUDIT FORM

The Contractor agrees that pursuant to Section 61 of the Berkeley City Charter, the City Auditor's office may conduct an audit of Contractor's financial, performance and compliance records maintained in connection with the operations and services performed under this contract.

In the event of such audit, Contractor agrees to provide the Auditor with reasonable access to Contractor's employees and make all such financial, performance and compliance records available to the Auditor's office. City agrees to provide Contractor an opportunity to discuss and respond to any findings before a final audit report is filed.

Contractor's signature _____________________________ Date: _________________

Print Name and Title: ____________________________________________________________________________

Company: ______________________________________________________________________________________
CITY OF BERKELEY
Sanctuary City Compliance Statement

The undersigned, an authorized agent of _______________________________________________________
(hereafter "Contractor"), has had an opportunity to review the requirements of Berkeley Code Chapter 13.105
(hereafter "Sanctuary City Contracting Ordinance" or “SCCO”). Contractor understands and agrees that the City
may choose with whom it will maintain business relations and may refrain from contracting with any person or
entity that provides Data Broker or Extreme Vetting services to the U.S. Immigration and Customs Enforcement
Division of the United States Department of Homeland Security (“ICE”). Contractor understands the meaning of
the following terms used in the SCCO:

"Data Broker” means either of the following:

i. The collection of information, including personal information about
   consumers, from a wide variety of sources for the purposes of reselling
   such information to their customers, which include both private-sector
   business and government agencies;

ii. The aggregation of data that was collected for another purpose from
   that for which it is ultimately used.

a. “Extreme Vetting” means data mining, threat modeling, predictive risk
   analysis, or other similar services." Extreme Vetting does not include:

i. The City’s computer-network health and performance tools;

ii. Cybersecurity capabilities, technologies and systems used by the City
   of Berkeley Department of Information Technology to predict, monitor
   for, prevent, and protect technology infrastructure and systems owned
   and operated by the City of Berkeley from potential cybersecurity
   events and cyber-forensic based investigations and prosecutions of
   illegal computer based activity.

Contractor understands that it is not eligible to receive or retain a City contract if at the time the contract is
executed, or at any time during the term of the contract, it provides Data Broker or Extreme Vetting services to ICE.

Contractor further understands and agrees that Contractor's failure to comply with the SCCO shall constitute a
material default of the contract and the City Manager may terminate the contract and bar Contractor from bidding on future contracts with the City for five (5) years from the effective date of the contract termination.

By executing this Statement, Contractor certifies that it complies with the requirements of the SCCO and that if any
time during the term of the contract it ceases to comply, Contractor will promptly notify the City Manager in
writing. Any person or entity who knowingly or willingly supplies false information in violation of the SCCO shall
be guilty of a misdemeanor and up to a $1,000 fine.

Based on the foregoing, the undersigned declares under penalty of perjury under the laws of the State of California
that the foregoing is true and correct. Executed this_______ day of_______, 20___, at _____________, California.

Printed Name: ______________________________ Title:

Signed: ______________________________ Date:

Business Entity:
END OF DOCUMENT
# DOCUMENT 007200

## GENERAL CONDITIONS

<table>
<thead>
<tr>
<th>Article</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ARTICLE 1 – INTERPRETATION OF CONTRACT DOCUMENTS</strong></td>
<td>1</td>
</tr>
<tr>
<td>1.01 Interpretation Of Documents</td>
<td>1</td>
</tr>
<tr>
<td>1.02 Order Of Precedence Of Documents</td>
<td>1</td>
</tr>
<tr>
<td><strong>ARTICLE 2 – PRE-BID INVESTIGATIONS</strong></td>
<td>1</td>
</tr>
<tr>
<td>2.01 Pre-Bid Investigations Required</td>
<td>1</td>
</tr>
<tr>
<td>2.02 Limited Reliance Permitted On City’s Existing Conditions Data</td>
<td>2</td>
</tr>
<tr>
<td>2.03 Pre-Bid Investigation Requirements For Excavation And Utilities Relocation Projects</td>
<td>2</td>
</tr>
<tr>
<td><strong>ARTICLE 3 – SUBCONTRACTORS</strong></td>
<td>3</td>
</tr>
<tr>
<td>3.01 Subcontractor Listing Law</td>
<td>3</td>
</tr>
<tr>
<td>3.02 Subcontracts</td>
<td>3</td>
</tr>
<tr>
<td><strong>ARTICLE 4 – DRAWINGS AND SPECIFICATIONS</strong></td>
<td>3</td>
</tr>
<tr>
<td>4.01 Intent Of Drawings And Specifications</td>
<td>3</td>
</tr>
<tr>
<td>4.02 Checking Of Drawings And Specifications</td>
<td>3</td>
</tr>
<tr>
<td>4.03 Interpretation Of Drawings And Specifications</td>
<td>4</td>
</tr>
<tr>
<td>4.04 Use Of Drawings And Specifications</td>
<td>4</td>
</tr>
<tr>
<td><strong>ARTICLE 5 – COMMENCEMENT OF THE WORK</strong></td>
<td>4</td>
</tr>
<tr>
<td>5.01 Submission Of Required Schedules</td>
<td>4</td>
</tr>
<tr>
<td>5.02 Commencement Date Of Contract Time</td>
<td>5</td>
</tr>
<tr>
<td><strong>ARTICLE 6 – CONTRACTOR’S ORGANIZATION AND EQUIPMENT</strong></td>
<td>5</td>
</tr>
<tr>
<td>6.01 Contractor’s Legal Address</td>
<td>5</td>
</tr>
<tr>
<td>6.02 Contractor’s Superintendents Or Forepersons</td>
<td>5</td>
</tr>
<tr>
<td>6.03 Proficiency In English</td>
<td>5</td>
</tr>
<tr>
<td>6.04 Contractor’s And Subcontractors’ Employees</td>
<td>5</td>
</tr>
<tr>
<td>6.05 Contractor’s Use Of The Site</td>
<td>5</td>
</tr>
<tr>
<td>6.06 Contractor’s Site Office</td>
<td>6</td>
</tr>
<tr>
<td><strong>ARTICLE 7 – City’S ADMINISTRATION OF WORK</strong></td>
<td>6</td>
</tr>
<tr>
<td>7.01 City’s Representative(s)</td>
<td>6</td>
</tr>
<tr>
<td>7.02 City’s Observation Of The Work</td>
<td>6</td>
</tr>
<tr>
<td>7.03 Architect/Engineer’s Observation Of Work</td>
<td>6</td>
</tr>
<tr>
<td>7.04 Owner’s And Architect/Engineer’s Exercise Of Contract Responsibilities</td>
<td>7</td>
</tr>
<tr>
<td>7.05 City’s Right Of Access To The Work</td>
<td>7</td>
</tr>
<tr>
<td>7.06 City’s Right Of Separate Construction</td>
<td>7</td>
</tr>
<tr>
<td><strong>ARTICLE 8 – CONTRACTOR’S PROSECUTION AND PROGRESS OF THE WORK</strong></td>
<td>7</td>
</tr>
<tr>
<td>8.01 Contractor To Supervise The Work</td>
<td>7</td>
</tr>
<tr>
<td>8.02 Contractor To Maintain Cost Data</td>
<td>8</td>
</tr>
<tr>
<td>8.03 Contractor To Supply Sufficient Workers And Materials</td>
<td>8</td>
</tr>
<tr>
<td>8.04 Contractor To Maintain Project Record Documents</td>
<td>9</td>
</tr>
<tr>
<td>8.05 Contractor To Not Disrupt City Operation</td>
<td>9</td>
</tr>
<tr>
<td>8.06 Contractor To Provide Temporary Facilities And Controls</td>
<td>9</td>
</tr>
<tr>
<td><strong>ARTICLE 9 – WARRANTY, GUARANTY, AND INSPECTION OF WORK</strong></td>
<td>9</td>
</tr>
<tr>
<td>9.01 Warranty And Guaranty</td>
<td>9</td>
</tr>
<tr>
<td>9.02 Inspection Of Work</td>
<td>10</td>
</tr>
<tr>
<td>9.03 Correction Of Defective Work</td>
<td>11</td>
</tr>
<tr>
<td>9.04 Acceptance And Correction Of Defective Work By City</td>
<td>12</td>
</tr>
<tr>
<td>9.05 Rights Upon Inspection, Correction Or Acceptance</td>
<td>12</td>
</tr>
<tr>
<td>9.06 Proof Of Compliance Of Contract Provisions</td>
<td>12</td>
</tr>
<tr>
<td>9.07 Correction Period And Project Warranty Period</td>
<td>13</td>
</tr>
<tr>
<td>9.08 No Waiver</td>
<td>13</td>
</tr>
</tbody>
</table>
ARTICLE 10 – MODIFICATIONS OF CONTRACT DOCUMENTS .......................................................... 13
  10.01 City’s Right To Direct Changed Work ........................................................................... 13
  10.02 Required Documentation For Changed Work ............................................................... 14
  10.03 Procedures And Pricing Of Changed Work ................................................................. 14
ARTICLE 11 – TIME ALLOWANCES ...................................................................................... 14
  11.01 Time Allowances ........................................................................................................ 14
  11.02 Excusable Delay And Inexcusable Delay Defined ....................................................... 14
  11.03 Notice Of Delay .......................................................................................................... 15
  11.04 Compensable Time Extensions ................................................................................... 15
  11.05 Non-Compensable Time Extensions .......................................................................... 15
  11.06 Adverse Weather ....................................................................................................... 15
  11.07 Liquidated Damages ................................................................................................. 16
ARTICLE 12 – CLAIMS BY CONTRACTOR ............................................................................ 16
  12.01 Obligation To File Claims for Disputed Work ............................................................. 16
  12.02 Form And Contents Of Claim .................................................................................... 17
  12.03 Administration During/After Claim Submission ........................................................ 17
  12.04 Compliance ................................................................................................................ 17
ARTICLE 13 – UNDERGROUND CONDITIONS .................................................................... 18
  13.01 Contractor To Locate Underground Facilities ............................................................ 18
  13.02 Contractor To Protect Underground Facilities ........................................................... 18
  13.03 Concealed Or Unknown Conditions ......................................................................... 19
  13.04 Notice Of Hazardous Waste Or Materials Conditions ............................................. 20
ARTICLE 14 – LEGAL AND MISCELLANEUS ........................................................................ 21
  14.01 Laws And Regulations .............................................................................................. 21
  14.02 Permits And Taxes ..................................................................................................... 21
  14.03 Communications And Information Distribution ........................................................ 21
  14.04 Suspension Of Work .................................................................................................. 22
  14.05 Termination Of Contract For Cause .......................................................................... 22
  14.06 Termination Of Contract For Convenience ............................................................... 22
  14.07 Contingent Assignment Of Subcontracts ................................................................ 23
  14.08 Remedies And Contract Integration ......................................................................... 23
  14.09 Interpretation ............................................................................................................. 24
  14.10 Patents ....................................................................................................................... 24
  14.11 Substitution For Patented And Specified Articles ..................................................... 24
  14.12 Interest Of Public Officers ......................................................................................... 25
  14.13 Limit Of Liability ........................................................................................................ 25
ARTICLE 15 – WORKING CONDITIONS AND PREVAILING WAGES ................................ 25
  15.01 Use Of Site/Sanitary Rules ........................................................................................ 25
  15.02 Protection Of Work, Persons, And Property ............................................................... 25
  15.03 Responsibility For Safety And Health ....................................................................... 26
  15.04 Emergencies ............................................................................................................. 26
  15.05 Use Of Roadways And Walkways ............................................................................. 26
  15.06 Nondiscrimination ..................................................................................................... 27
  15.07 Prevailing Wages And Working Hours .................................................................... 27
  15.08 Environmental Controls ........................................................................................... 28
  15.09 Shoring Safety Plan ................................................................................................... 28
GENERAL CONDITIONS

ARTICLE 1 – INTERPRETATION OF CONTRACT DOCUMENTS

1.01 Interpretation Of Documents
   A. Contract Documents are complementary; what is called for by one is as binding as if called for by all.
   B. Individual Contract Documents subdivide at first level into Articles, and then into paragraphs.

1.02 Order Of Precedence Of Documents
   A. In the case of discrepancy or ambiguity in the Contract Documents, the following order of precedence shall prevail:
      1. Modifications in inverse chronological order (i.e., most recent first), and in the same order as specific portions they are modifying;
      2. Agreement Forms (Document 00 5200), and terms and conditions referenced therein;
      3. Supplementary General Conditions (Document 00 7201 et seq), if included;
      4. General Conditions (Document 00 7200);
      5. Division 1 Specifications, if included;
      6. Drawings and Technical Specifications (Division 2 and above);
      7. Written numbers over figures, unless obviously incorrect;
      8. Figured dimensions over scaled dimensions;
      9. Large-scale Drawings over small-scale Drawings.
   B. Any conflict between Drawings and Technical Specifications (Division 2 and above) will be resolved in favor of the document of the latest date (i.e., the most recent document), and if the dates are the same or not determinable, then in favor of Specifications.
   C. Any conflict between a bill or list of materials shown in the Contract Documents and the actual quantities required to complete Work required by Contract Documents, will be resolved in favor of the actual quantities.
   D. All Technical Specifications included in the Project manual shall be included within the Contract Documents unless identified otherwise.

ARTICLE 2 – PRE-BID INVESTIGATIONS

2.01 Pre-Bid Investigations Required
   A. Prior to and as a condition of submitting a Bid and executing Document 00 5200 (Agreement), Contractor shall make reasonable efforts to investigate fully the Work of the Contract. Contractor shall visit the Site, examine thoroughly and understand fully the nature and extent of the Contract Documents, Work, Site, locality, actual conditions and as-built conditions.
   B. Contractor’s investigation shall include, without limitation, requesting and thoroughly examining of all reports of exploration and tests of subsurface conditions, as-built drawings, drawings, product specification(s) or reports, made available by City for contracting purposes or during Contractor’s pre-bid investigations, of existing above ground and (to the extent applicable) below ground conditions (together, “Existing Conditions Data”), including, as applicable, Underground Facilities, geotechnical data, as-built data, utility surveys, record documents of all types, hazardous materials surveys, or similar materials which may appear or be referenced in the Project Manual or the in the Contract Documents, and all local conditions, and federal, state and local laws and regulations that in any manner may affect cost, progress, performance or furnishing of Work or which relate to any aspect of the means, methods, techniques, sequences or procedures of construction to be employed by Contractor and safety precautions and programs incident thereto.
   C. Contractor’s investigations shall consider fully the fact that Existing Conditions Data is in many cases based on information furnished to City by others (e.g., the prior owner or builders), and that due to their age or their chain of custody since preparation, may not meet current industry standards for accuracy. Contractor shall also: (i.) provide City with prompt written notice of all
conflicts, errors, ambiguities, or discrepancies of any type, that it discovered in or among the 
Contract Documents and the Existing Conditions Data, and (ii.) subject to City’s approval, 
conduct any such additional or supplementary examinations, investigations, explorations, tests, 
studies and data compilations, concerning conditions (surface, subsurface, and Underground 
Facilities) at or contiguous to the Site or otherwise, which Contractor may deem necessary in 
order to perform and furnish the Work in accordance with the terms and conditions of Contract 
Documents.

D. During performance of the Contract, Contractor will be charged with knowledge of all information 
that it should have learned in performing these pre-bid investigations and other obligations, and 
shall not be entitled to Change Orders (time or compensation) due to any information, error, 
inconsistency, omission, or conditions that Contractor should have known as a part of this Work. 
Contractor shall be responsible for the resultant losses, including, without limitation, the cost of 
correcting Defective Work.

2.02 Limited Reliance Permitted On City’s Existing Conditions Data

A. Regarding aboveground and as-built conditions shown on the Contract Documents or supplied by 
City, such information has been compiled in good faith, however, City does not expressly or 
impliedly warrant or represent that such information is correctly shown or indicated, or otherwise 
complete for construction purposes. Contractor must independently verify such information as 
part of its pre-bid investigations, and where conditions are not reasonably verifiable or 
discrepancies are indentified, bring such matters to City’s attention through written question 
issued during the bid period. In executing Document 00 5200 (Agreement), Contractor shall rely 
on the results of its own independent investigation and shall not rely on City-supplied information 
regarding aboveground conditions and as-built conditions, and Contractor shall accept full 
responsibility for its verification work sufficient to complete the Work as intended.

B. Regarding subsurface conditions other than Underground Facilities shown on the Contract 
Documents or otherwise supplied by City, Contractor may rely only upon the general accuracy of 
actual reported depths, actual reported character of materials, actual reported soil types, actual 
reported water conditions, or actual obstructions shown or indicated in the Contract Documents. 
City is not responsible for the completeness of any subsurface condition information, Contractor’s 
conclusions or opinions drawn from any subsurface condition information, or subsurface 
conditions that are not specifically shown. (For example, City is not responsible for soil conditions 
in areas contiguous to areas where a subsurface condition is shown.)

2.03 Pre-Bid Investigation Requirements For Excavation And Utilities Relocation Projects

A. As part of its pre-bid investigations for Projects involving excavation and/or relocation of existing 
utilities, Contractor shall make reasonable efforts to verify information regarding Underground 
Facilities, including but not limited to, requesting additional information or verification of 
information as necessary.

B. Because of the nature and location of City and the Project, the existence of Underground 
Facilities is deemed inherent in the Work of the Contract, as is the fact that Underground 
Facilities are not always accurately shown or completely shown on as-built records, both as to 
their depth and location. Contractor shall, therefore, take care to note the existence and potential 
existence of Underground Facilities, in particular, above and below grade structures, drainage 
lines, storm drains, sewers, water, gas, electrical, chemical, hot water, and other similar items 
and utilities. Contractor shall carefully consider all supplied information, request additional 
information Contractor may deem necessary, and visually inspect the Site for above ground 
indications of Underground Facilities (such as, for example not by way of limitation, the existence 
of existing service laterals, appurtenances or other types of utilities, indicated by the presence of 
an underground transmission main or other visible facilities, such as buildings, new asphalt, 
meters and junction boxes, on or adjacent to the Site). Contractor shall also consider local 
underground conditions and typical practices for Underground Facilities, either through its own 
direct knowledge or through its subcontractors, and fully consider this knowledge in assessing the 
existing information and the reasonableness of its reliance.
ARTICLE 3 – SUBCONTRACTORS

3.01 Subcontractor Listing Law
A. Contractor shall comply with the Subcontractor Listing law, California Public Contract Code §§4101 et seq. Contractor shall not substitute any other person or firm in place of any Subcontractor listed in the Bid except as may be allowed by law.
B. Subcontractors shall not assign or transfer their subcontracts or permit them to be performed by any other contractor without City’s written approval. At City’s request, Contractor shall provide City with a complete copy of all executed subcontracts or final commercial agreements with Subcontractors and/or suppliers.

3.02 Subcontracts
A. Subcontract agreements shall preserve and protect the rights of City under the Contract Documents so that subcontracting will not prejudice such rights. To the extent of the Work to be performed by a Subcontractor, Contractor shall require the Subcontractor’s written agreement (1) to be bound to the terms of Contract Documents and (2) to assume vis-à-vis Contractor all the obligations and responsibilities that Contractor assumes toward City under the Contract Documents. (These agreements include for example, and not by way of limitation, all warranties, claims procedures and rules governing submittals of all types to which Contractor is subject under the Contract Documents.)
B. Contractor shall provide for the assignment to City of all rights any Subcontractor (of any tier) may have against any manufacturer, supplier, or distributor for breach of warranties and guarantees relating to the Work performed by the Subcontractor under the Contract Documents. Subcontracts shall provide and acknowledge City as an intended third-party beneficiary of each subcontract and supply contract (of any tier).

ARTICLE 4 – DRAWINGS AND SPECIFICATIONS

4.01 Intent Of Drawings And Specifications
A. Contractor shall interpret words or phrases used to describe Work (including services), materials, or equipment that have well-known technical or construction industry or trade meaning in accordance with that meaning. Drawings’ intent specifically includes the intent to depict construction that complies with all applicable laws, codes and standards.
B. As part of the “Work,” Contractor shall provide all labor, materials, equipment, machinery, tools, facilities, services, employee training and testing, hoisting facilities, Shop Drawings, storage, testing, security, transportation, disposal, the securing of all necessary or required field dimensions, the cutting or patching of existing materials, notices, permits, documents, reports, agreements and any other items required or necessary to timely and fully complete Work described and the results intended by Contract Documents and, in particular, Drawings and Specifications. Divisions and Specification Sections and the identification on any Drawings shall not control Contractor in dividing Work among Subcontractors or suppliers or delineating the Work to be performed by any specific trade.
C. Contractor shall perform reasonably implied parts of Work as “incidental work” although absent from Drawings and Specifications. Incidental work includes any work not shown on Drawings or described in Specifications that is necessary or normally or customarily required as a part of the Work shown on Drawings or described in Specifications. Incidental work includes any work necessary or required to make each installation satisfactory, legally operable, functional, and consistent with the intent of Drawings and Specifications or the requirements of Contract Documents. Contractor shall perform incidental work without extra cost to City. Incidental work shall be treated as if fully described in Specifications and shown on Drawings, and the expense of incidental work shall be included in price Bid and Contract Sum.

4.02 Checking Of Drawings And Specifications
A. Before undertaking each part of Work, Contractor shall carefully study and compare Contract Documents and check and verify pertinent figures shown in the Contract Documents and all
applicable field measurements. Contractor shall be responsible for any errors that might have been avoided by such comparison. Figures shown on Drawings shall be followed; Contractor shall not scale measurements. Contractor shall promptly report to City, in writing, any conflict, error, ambiguity or discrepancy that Contractor may discover. Contractor shall obtain a written interpretation or clarification from City before proceeding with any Work affected thereby. Contractor shall provide City with a follow-up correspondence every ten calendar days until it receives a satisfactory interpretation or clarification.

4.03 Interpretation Of Drawings And Specifications

A. A typical or representative detail on Drawings shall constitute the standard for workmanship and material throughout corresponding parts of Work. Where necessary, and where reasonably inferable from Drawings, Contractor shall adapt such representative detail for application to such corresponding parts of Work. The details of such adaptation shall be subject to prior approval by City. Repetitive features shown in outline on Drawings shall be in exact accordance with corresponding features completely shown.

B. Should any discrepancy appear or any misunderstanding arise as to the import of anything contained in Drawings and Specifications, or should Contractor have any questions or requests relating to Drawings or Specifications, Contractor shall refer the matter to City, in writing, with a copy to the Architect/Engineer. City will issue with reasonable promptness written responses, clarifications or interpretations as City may determine necessary, which shall be consistent with the intent of and be reasonably inferable from Contract Documents. Such written clarifications or interpretations shall be binding upon Contractor. If Contractor believes that a written response, clarification or interpretation justifies an adjustment in the Contract Sum or Contract Time, Contractor shall give City prompt written notice. If the parties are unable to agree to the amount or extent of the adjustment, if any, then Contractor shall perform the Work in conformance with City’s response, clarification, or interpretation and may make a written claim for the adjustment as provided in Article 12.

C. The following general specifications shall apply wherever in the Specifications, or in any directions given by City in accordance with or supplementing Specifications, it is provided that Contractor shall furnish materials or manufactured articles or shall do Work for which no detailed specifications are shown. Materials or manufactured articles shall be of the best grade, in quality and workmanship, obtainable in the market from firms of established good reputation. If not ordinarily carried in stock, the materials or manufactured articles shall conform to industry standards for first class materials or articles of the kind required, with due consideration of the use to which they are to be put. Work shall conform to the usual standards or codes, such as those cited herein, for first class work of the kind required. Contractor shall specify in writing to City the materials to be used or Work to be performed under this Paragraph ten Business Days prior to furnishing such materials or performing such Work.

4.04 Use Of Drawings And Specifications.

A. Drawings, Specifications and other Contract Documents were prepared for use for Work of Contract Documents only. No part of Contract Documents shall be used for any other construction or for any other purpose except with the written consent of City. Any unauthorized use of Contract Documents is prohibited and at the sole liability of the user.

ARTICLE 5 – COMMENCEMENT OF THE WORK

5.01 Submission Of Required Schedules

A. Contractor shall submit to City in draft for review and discussion at the Preconstruction Conference, and in final prior to the first payment application, the following schedules:
1. Schedule of Values
2. Progress Schedule, and

B. No progress payment shall be due or owing to Contractor until such schedules are submitted to and acceptable to City and/or Architect/Engineer as meeting the requirements of the Contract
Documents. In City’s sole discretion, City may elect to instead withhold a portion of any progress payment for unacceptable compliance with contract requirements for such schedules.

C. City’s acceptance of Contractor’s schedules will not create any duty of care or impose on City any responsibility for the sequencing, scheduling or progress of Work nor will it interfere with or relieve Contractor from Contractor’s full responsibility therefore.

5.02 Commencement Date Of Contract Time

A. The Contract Time will commence to run on the 60th Day after the issuance of the Notice of Award or, if a Notice to Proceed is given, on the date indicated in the Notice to Proceed.

B. City may give a Notice to Proceed at any time within 60 calendar days after the Notice of Award. Contractor shall not do any Work at the Site prior to the date on which the Contract Time commences to run.

ARTICLE 6 – CONTRACTOR’S ORGANIZATION AND EQUIPMENT

6.01 Contractor’s Legal Address

A. Address and facsimile number given in Contractor’s Bid are hereby designated as Contractor’s legal address and facsimile number. Contractor may change its legal address and facsimile number by notice in writing, delivered to City, which in conspicuous language advises City of a change in legal address or facsimile number, and which City accepts in writing. Delivery to Contractor’s legal address or depositing in any post office or post office box regularly maintained by the United States Postal Service, in a wrapper with postage affixed, directed to Contractor at legal address, or of any drawings, notice, letter or other communication, shall be deemed legal and sufficient service thereof upon Contractor. Facsimile to Contractor’s designated facsimile number of any letter, memorandum, or other communication on standard or legal sized paper, with proof of facsimile transmission, shall be deemed legal and sufficient service thereof upon Contractor.

6.02 Contractor’s Superintendents Or Forepersons

A. Contractor shall at all times be represented on Site by one or more superintendents or forepersons authorized and competent to receive and carry out any instructions that City may give, and shall be liable for faithful observance of instructions delivered to Contractor or to authorized representative or representatives on Site.

6.03 Proficiency In English

A. Supervisors, security guards, safety personnel and employees who have unescorted access to the Site shall possess proficiency in the English language in order to understand, receive and carry out oral and written communications or instructions relating to their job functions, including safety and security requirements.

6.04 Contractor’s And Subcontractors’ Employees

A. Contractor shall employ, and shall permit its Subcontractors to employ, only competent and skillful personnel to do Work. If City notifies Contractor that any of its employees, or any of its Subcontractors’ employees on Work is incompetent, unfaithful, disorderly or profane, or fails to observe customary standards of conduct or refuses to carry out any provision of the Contract Documents, or uses threatening or abusive language to any person on Work representing City, or violates sanitary rules, or is otherwise unsatisfactory, and if City requests that such person be discharged from Work, then Contractor or its Subcontractor shall immediately discharge such person from Work and the discharged person shall not be re-employed on the Work except with consent of City.

6.05 Contractor’s Use Of The Site

A. Contractor shall not make any arrangements with any person to permit occupancy or use of any land, structure or building within the limits of the Work, for any purpose whatsoever, either with or without compensation, in conflict with any agreement between City and any owner, former owner
or tenant of such land, structure or buildings. Contractor may not occupy City-owned property outside the limit of the Work as indicated on the Drawings unless it obtains prior approval from City.

6.06 Contractor’s Site Office
A. Unless expressly provided otherwise in the Contract Documents, Contractor shall provide a site office staffed by a resident project manager or job superintendent.

ARTICLE 7 – CITY’S ADMINISTRATION OF WORK

7.01 City’s Representative(s)
A. City’s Representative(s) will have limited authority to act on behalf of City as set forth in the Contract Documents.
B. Except as otherwise provided in these Contract Documents or subsequently identified in writing by City, City will issue all communications to Contractor through City’s Representative, and Contractor shall issue all communications to City through City’s Representative in a written document delivered to City.
C. Should any direct communications between Contractor and City’s consultants, architects or engineers not identified in Article 2 of Document 00 5200 (Agreement) occur during field visits or by telephone, Contractor shall immediately confirm them in a written document copied to City.

7.02 City’s Observation Of The Work
A. Work shall be performed under City’s general observation and administration. Contractor shall comply with City’s directions and instructions in accordance with the terms of Contract Documents, but nothing contained in these General Conditions shall be taken to relieve Contractor of any obligations or liabilities under the Contract Documents. City’s failure to review or, upon review, failure to object to any aspect of Work reviewed, shall not be deemed a waiver or approval of any non-conforming aspect of Work.
B. Subject to those rights specifically reserved in the Contract Documents, City will not supervise, or direct, or have control over, or be responsible for, Contractor’s means, methods, techniques, sequences or procedures of construction, or the safety precautions and programs incident thereto, or Contractor’s failure to comply with laws and regulations applicable to the furnishing or performance of Work. City will not be responsible for Contractor’s failure to perform or furnish the Work in accordance with Contract Documents.

7.03 Architect/Engineer’s Observation Of Work
A. City may engage an Architect/Engineer, an independent consultant or Project Manager (collectively for purposes of this Paragraph, “Project Manager/Architect”) to assist in administering the Work. If so engaged, Project Manager/Architect will advise and consult with City, but will have authority to act on behalf of City only to extent provided in the Contract Documents or as set forth in writing by City. Project Manager/Architect will not be responsible for and will not have control or charge of construction means, methods, techniques, sequences or procedures of construction, or for safety precautions and programs in connection with Work. Project Manager/Architect will not be responsible for or have control over the acts or omissions of Contractor, Subcontractors or their agents or employees, or any other persons performing Work.
B. Project Manager/Architect may review Contractor’s Submittals, such as Shop Drawings, Product Data, and Samples, but only for conformance with design concept of Work and with information given in the Contract Documents.
C. Project Manager/Architect may visit the Site at intervals appropriate to stage of construction to become familiar generally with the progress and quality of Work and to determine in general if Work is proceeding in accordance with Contract Documents. Based on its observations, Project Manager/Architect may recommend to City that it disapproves or rejects Work that Project Manager/Architect believes to be Defective or will not produce a complete Project that conforms to Contract Documents or will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated by Contract Documents. City will also have authority
to require special inspection or testing of Work, whether or not the Work is fabricated, installed or completed.

D. Project Manager/Architect may conduct inspections to recommend to City the dates that Contractor has achieved Substantial Completion and Final Acceptance, and will receive and forward to City for review written warranties and related documents required by Contract Documents.

7.04 Owner’s And Architect/Engineer’s Exercise Of Contract Responsibilities

A. City, Project Manager, Architect/Engineer and all City’s representatives, in performing their duties and responsibilities under the Contract Documents, accept no duties, responsibilities or duty of care, nor may the same be implied or inferred, towards Contractor, any Subcontractor, sub-Subcontractor or supplier, except those set forth expressly in the Contract Documents.

7.05 City’s Right Of Access To The Work

A. During performance of Work, City and its agents, consultants, and employees may at any time enter upon Work, shops or studios where any part of the Work may be in preparation, or factories where any materials for use in Work are being or are to be manufactured, and Contractor shall provide proper and safe facilities for this purpose, and shall make arrangements with manufacturers to facilitate inspection of their processes and products to such extent as City’s interests may require. Other contractors performing work for City may also enter upon Work for all purposes required by their respective contracts. Subject to the rights reserved in the Contract Documents, Contractor shall have sole care, custody, and control of the Site and its Work areas.

7.06 City’s Right Of Separate Construction

A. City may perform with its own forces, construction or operations related to the Project, or the Site during Contractor’s operations. City may also award separate contracts in connection with other portions of the Project or other construction or operations, on the Site or areas contiguous to the Site, under conditions similar to these Contract Documents, or may have utility owners perform other work.

B. Contractor shall adjust its schedule and fully coordinate with and shall afford all other contractors, utility districts and City (if City is performing work with its own forces), proper and safe access to the Site, and reasonable opportunity for the installation and storage of their materials. Contractor shall ensure that the execution of its Work properly connects and coordinates with others’ work, do all cutting, fitting and patching of the Work that may be required to make its several parts come together properly and integrate with such other work, and shall cooperate with them to facilitate the progress of the Work.

C. To the extent that any part of Contractor’s Work is to interface with work performed or installed by other contractors or utility owners, Contractor shall inspect and measure the in-place work. Contractor shall promptly report to City in writing any defect in in-place work that will impede or increase the cost of Contractor’s interface unless corrected.

ARTICLE 8 – CONTRACTOR’S PROSECUTION AND PROGRESS OF THE WORK

8.01 Contractor To Supervise The Work

A. Subject to those rights specifically reserved in the Contract Documents, Contractor shall supervise, direct, have control over, and be responsible for, Contractor’s means, methods, techniques, sequences or procedures of construction, safety precautions and programs incident thereto, and compliance with laws and regulations applicable to the furnishing or performance of Work.

B. Contractor shall keep on the Site at all times during Work progress a competent resident Superintendent, who shall not be replaced without City’s express written consent. The Superintendent shall be Contractor’s representative at the Site and shall have complete authority to act on behalf of Contractor. All communications to and from the Superintendent shall be as binding as if given to or by Contractor.

C. Contractor shall supervise, inspect, and direct Work competently and efficiently, devoting the
attention and applying such personal skills and expertise as may be required and necessary to perform Work in accordance with Contract Documents. Contractor shall be solely responsible for and have control and charge of construction means, methods, techniques, sequences and procedures, safety precautions and programs in connection with the Work. Contractor shall be responsible to see that the completed Work complies accurately with Contract Documents.

D. Contractor is fully responsible for Contractor’s own acts and omissions. Contractor is responsible for all acts and omissions of its Subcontractors, suppliers, and other persons and organizations performing or furnishing any of the Work, labor, materials, or equipment under a direct or indirect contract with Contractor.

E. Contractor shall conduct monthly Contractor Safety Committee meetings, and weekly toolbox safety talks.

8.02 Contractor To Maintain Cost Data

A. Contractor shall maintain full and correct information as to the number of workers employed in connection with each subdivision of Work, the classification and rate of pay of each worker in form of certified payrolls, the cost to Contractor of each class of materials, tools and appliances used by Contractor in Work, and the amount of each class of materials used in each subdivision of Work. Contractor shall provide City with monthly summaries of this information. If Contractor maintains or is capable of generating summaries or reports comparing actual Project costs with Bid estimates or budgets, Contractor shall provide City with a copy of such report upon City’s request.

B. Contractor shall maintain daily job reports recording all significant activity on the job, including the number of workers on Site, Work activities, problems encountered and delays. Contractor shall provide City with copies for each Day Contractor works on the Project, to be delivered to City either the same Day or the following morning before starting work at the Site. Contractor shall take pre-construction and monthly progress photographs of all areas of the Work. Contractor shall maintain copies of all correspondence with Subcontractors and records of meetings with Subcontractors.

C. City shall have the right to audit and copy Contractor’s books and records of any type, nature or description relating to the Project (including but not limited to financial records reflecting in any way costs claimed on the Project), and to inspect the Site, including Contractor’s trailer, or other job Site office, and this requirement shall be contained in the subcontracts of Subcontractors working on Site. By way of example, City shall have the right to inspect and obtain copies of all Contract Documents, planning and design documents, Bid proposal and negotiation documents, cost records and job cost variance reports, design modification proposals, value engineering or other cost reduction proposals, revisions made to the original design, job progress reports, photographs, and as-built drawings maintained by Contractor. City and any other applicable governmental entity shall have the right to inspect all information and documents maintained hereunder at any time during the Project and for a period of five years following Final Completion, in accordance with the provisions of Section 8546.7 of the California Government Code. This right of inspection shall not relieve Contractor of its duties and obligations under the Contract Documents. This right of inspection shall be specifically enforceable in a court of law, either independently or in conjunction with enforcement of any other rights in the Contract Documents.

8.03 Contractor To Supply Sufficient Workers And Materials

A. Unless otherwise required by City under the terms of Contract Documents, Contractor shall at all times keep on the Site materials and employ qualified workers sufficient to prosecute Work at a rate and in a sequence and manner necessary to complete Work within the Contract Time. This obligation shall remain in full force and effect notwithstanding disputes or claims of any type.

B. At any time during progress of Work should Contractor directly or indirectly (through Subcontractors) refuse, neglect, or be unable to supply sufficient materials or employ qualified workers to prosecute the Work as required, then City may require Contractor to accelerate the Work and/or furnish additional qualified workers or materials as City may consider necessary, at no cost to City. If Contractor does not comply with the notice within three Business Days of date of service thereof, City shall have the right (but not a duty) to provide materials and qualified
workers to finish the Work or any affected portion of Work, as City may elect. City may, at its
discretion, exclude Contractor from the Site, or portions of the Site or separate work elements
during the time period that City exercises this right. City will deduct from moneys due or which
may thereafter become due under the Contract Documents, the sums necessary to meet
expenses thereby incurred and paid to persons supplying materials and doing Work. City will
deduct from funds or appropriations set aside for purposes of Contract Documents the amount of
such payments and charge them to Contractor as if paid to Contractor. Contractor shall remain
liable for resulting delay, including liquidated damages and indemnification of City from claims of
others.

C. Exercise by City of the rights conferred upon City in this subparagraph is entirely discretionary on
the part of City. City shall have no duty or obligation to exercise the rights referred to in this
subparagraph and its failure to exercise such rights shall not be deemed an approval of existing
Work progress or a waiver or limitation of City’s right to exercise such rights in other concurrent or
future similar circumstances. (The rights conferred upon City under this subparagraph are, like all
other such rights, cumulative to City’s other rights under any provision of the Contract
Documents.)

8.04 Contractor To Maintain Project Record Documents

A. Contractor shall maintain in a safe place at the Site one record copy of all Drawings,
Specifications, Addenda, Contract Modifications, Change Orders, Work Directives, Force Account
orders, and written interpretations and clarifications in good order and annotated to show all as-
built changes made during construction. These Project Record Documents, together with all
approved Samples and a counterpart of all approved Shop Drawings, shall be maintained and
available to City for reference. Upon completion of the Work, Contractor shall deliver to City, the
Project Record Documents, Samples and Shop Drawings and as-built drawings.

B. Throughout Contractor’s performance of the Work of the Project, Contractor shall maintain
construction records to include: shop drawings; product data/material data sheets; samples;
submittal; purchases; materials; equipment; inspections; applicable handbooks; applicable codes
and standards; maintenance and operating manuals and instructions; RFI Log; Submittal Log;
other related documents and revisions which arise out of the Construction Contracts. Contractor
shall maintain records of principal building layout lines, elevations for the bottom of footings, floor
levels, and key site elevations (certified by a qualified surveyor or professional engineer).
Contractor shall make all records available to City. At the completion of the Project, Contractor
shall deliver all such records to the City to have a complete set of record as-built drawings.

8.05 Contractor To Not Disrupt City Operation

A. Contractor shall schedule and execute all Work in a manner that does not interfere with or disrupt
City operations, including but not limited to, parking, utilities (electricity, gas, water), noise, access
by employees and administration, access by vendors, physicians, patients and any other person
or entity using City facilities or doing business with City. Contractor shall produce and supply
coordination plans and requests to City, following City procedures, for all necessary interference
of construction with City, which City will reasonably cooperate with.

8.06 Contractor To Provide Temporary Facilities And Controls

A. Unless expressly provided otherwise in the Contract Documents, Contractor shall provide all
temporary utilities (including without limitation electricity, water, natural gas), lighting, heating,
cooling and ventilating devices, telephone, sanitary facilities, barriers, fences and enclosures, tree
and plant protection, fire protection, pollution, erosion, Storm Water Pollution Prevention controls,
noise and traffic control, and any other necessary services required for construction, testing or
completion of the Work.

ARTICLE 9 – WARRANTY, GUARANTY, AND INSPECTION OF WORK

9.01 Warranty And Guaranty

A. General Representations and Warranties: Contractor represents and warrants that it is and will
be at all times fully qualified and capable of performing every Phase of the Work and to complete Work in accordance with the terms of Contract Documents. Contractor warrants that all construction services shall be performed in accordance with generally accepted professional standards of good and sound construction practices and all requirements of Contract Documents. Contractor warrants that Work, including but not limited to each item of materials and equipment incorporated therein, shall be new, of suitable grade of its respective kind for its intended use, and free from defects in design, engineering, materials, construction and workmanship. Contractor warrants that Work shall conform in all respects with all applicable requirements of federal, state and local laws, applicable construction codes and standards, licenses, and permits, Drawings and Specifications and all descriptions set forth therein, and all other requirements of Contract Documents. Contractor shall not be responsible, however, for the negligence of others in the specification of specific equipment, materials, design parameters and means or methods of construction where that is specifically shown and expressly required by Contract Documents.

B. Extended Guarantees: Any guarantee exceeding one year provided by the supplier or manufacturer of any equipment or materials used in the Project shall be extended for such term. Contractor expressly agrees to act as co-guarantor of such equipment and materials and shall supply City with all warranty and guarantee documents relative to equipment and materials incorporated in the Project and guaranteed by their suppliers or manufacturers.

C. Environmental and Toxics Warranty: The covenants, warranties and representations contained in this Paragraph are effective continuously during Contractor’s Work on the Project and following cessation of labor for any reason including, but not limited to, Project completion. Contractor covenants, warrants and represents to City that:

1. To Contractor’s knowledge after due inquiry, no lead or Asbestos-containing materials were installed or discovered in the Project at any time during Contractor’s construction thereof. If any lead or Asbestos-containing materials were discovered, Contractor made immediate written disclosure to City.

2. To Contractor’s knowledge after due inquiry, no electrical transformers, light fixtures with ballasts or other equipment containing PCBs are or were located on the Project at any time during Contractor’s construction thereof.

3. To Contractor’s knowledge after due inquiry, no storage tanks for gasoline or any other toxic substance are or were located on the Project at any time during Contractor’s construction thereof. If any such materials were discovered, Contractor made immediate written disclosure to City.

4. Contractor’s operations concerning the Project are and were not in violation of any applicable environmental federal, state, or local statute, law or regulation dealing with hazardous materials substances or toxic substances and no notice from any governmental body has been served upon Contractor claiming any violation of any such law, ordinance, code or regulation, or requiring or calling attention to the need for any Work, repairs, construction, alteration, or installation on or in connection with the Project in order to comply with any such laws, ordinances, codes, or regulations, with which Contractor has not complied. If there are any such notices with which Contractor has complied, Contractor shall provide City with copies thereof.

9.02 Inspection Of Work

A. Work and materials, and manufacture and preparation of materials, from beginning of construction until Final Completion and acceptance of Work, shall be subject to inspection and rejection by City, its agents, representatives or independent contractors retained by City to perform inspection services, or governmental agencies with jurisdictional interests. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor’s Site safety procedures and program so that they may comply therewith as applicable. Upon request or where specified, City shall be afforded access for inspection at the source of supply, manufacture or assembly of any item of material or equipment, with reasonable accommodations supplied for making such inspections.

B. Contractor shall furnish, in such quantities and sizes as may be required for proper examination and tests, Samples or test specimens of all materials to be used or offered for use in connection
with Work. Contractor shall prepare Samples or test specimens at its expense and furnish them to City. Contractor shall submit all Samples in ample time to enable City to make any necessary tests, examinations, or analyses before the time it is desired to incorporate the material into the Work.

C. Contractor shall give City timely notice of readiness of Work for all required inspections, tests or approvals, and shall cooperate with inspection and testing personnel to facilitate required inspections or tests.

D. If applicable laws or regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests or approvals, and furnish City with the required certificates of inspection, or approval. City will pay the cost of initial testing and Contractor shall pay all costs in connection with any follow-up or additional testing. Contractor shall also be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests or approvals required for the acceptance of materials or equipment to be incorporated in the Work, or of materials, mix designs, or equipment submitted for approval prior to Contractor’s purchase thereof for incorporation in the Work.

E. If Contractor covers any Work, or the work of others, prior to any required inspection, test or approval without written approval of City, Contractor shall uncover the Work at City’s request. Contractor shall bear the expense of uncovering Work and replacing Work. In any case where Contractor covers Work contrary to City’s request, Contractor shall uncover Work for City’s observation or inspection at City’s request. Contractor shall bear the cost of uncovering Work.

F. Whenever required by City, Contractor shall furnish tools, labor and materials necessary to make examination of Work that may be completed or in progress, even to extent of uncovering or taking down portions of finished Work. Should Work be found unsatisfactory, cost of making examination and of reconstruction shall be borne by Contractor. If Work is found to be satisfactory, City, in manner herein prescribed for paying for alterations, Modifications, and extra Work, except as otherwise herein specified, will pay for examination.

G. Inspection of the Work by or on behalf of City, or City’s failure to do so, shall not under any circumstances be deemed a waiver or approval of any non-conforming aspect of the Work. Contractor shall have an absolute duty, in the absence of a written Change Order signed by City, to perform Work in conformance with the Contract Documents and to immediately correct Defective Work immediately upon Contractor’s knowledge.

H. Any inspection, evaluation, or test performed by or on behalf of City relating to the Work is solely for the benefit of City, and shall not be relied upon by Contractor. Contractor shall not be relieved of the obligation to perform Work in accordance with the Contract Documents, nor relieved of any guaranty, warranty, or other obligation, as a result of any inspections, evaluations, or tests performed by City, whether or not such inspections, evaluations, or tests are permitted or required under the Contract Documents. Contractor shall be solely responsible for testing and inspecting Work already performed to determine whether such Work is in proper condition to receive later Work.

9.03 Correction Of Defective Work

A. City may direct Contractor to correct any Defective Work or remove it from the Site and replace it with Work that is not Defective and satisfactorily correct or remove and replace any damage to other Work or the work of others resulting from the correction or removal. Contractor shall be responsible for any and all claims, costs, losses and damages caused by or resulting from such correction or removal. A Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work and the Contract Sum. If the parties are unable to agree to the amount of an appropriate decrease in the Contract Sum, City may decide the proper amount or, in its discretion may elect to leave the Contract Sum unchanged and deduct from monies due Contractor, all such claims, costs, losses and damages caused by or resulting from the correction or removal. If Contractor disagrees with City’s calculations, it may make a claim as provided in Article 12 of this Document 00 7200. City’s rights under this Paragraph shall be in addition to any other rights it may have under the Contract Documents or by law.
B. If Contractor fails to supply sufficient skilled workers, suitable materials or equipment, or to furnish or perform the Work in such a way that the completed Work will conform to Contract Documents, City may order Contractor to replace any such Defective Work, or stop any portion of Work to permit City (at Contractor's expense) to replace such Defective Work. These City rights are entirely discretionary on the part of City, and shall not give rise to any duty on the part of City to exercise the rights for the benefit of Contractor or any other party.

9.04 Acceptance And Correction Of Defective Work By City

A. City may in its sole discretion elect to accept Defective Work. Contractor shall pay all claims, costs, losses and damages attributable to City's evaluation of and determination to accept such Defective Work. If City accepts any Defective Work prior to final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work and the Contract Sum. If the parties are unable to agree to the amount of an appropriate decrease in the Contract Sum, City may deduct from monies due Contractor, all claims, costs, losses, damages, expenses and liabilities attributable to the Defective Work. If Contractor disagrees with City's calculations, Contractor may make a claim as provided in Article 12 of this Document 00 7200. If City accepts any Defective Work after final payment, Contractor shall pay to City, an appropriate amount as determined by City.

B. City may correct and remedy deficiency if, after five calendar days' written notice to Contractor, Contractor fails to correct Defective Work or to remove and replace rejected Work; or provide a plan for correction of Defective Work acceptable to City; or perform Work in accordance with Contract Documents. In connection with such corrective and remedial action, City may exclude Contractor from all or part of the Site; take possession of all or part of Work and suspend Contractor's Work related thereto; take possession of all or part of Contractor's tools, appliances, construction equipment and machinery at the Site; and incorporate in Work any materials and equipment stored at the Site or for which City has paid Contractor but which are stored elsewhere. Contractor shall allow City, its representatives, agents, employees, and other contractors and Project Manager/Architect's consultants' access to the Site to enable City to exercise the rights and remedies under this Paragraph. Contractor shall be responsible for all claims, costs, losses, damages, expenses and liabilities incurred or sustained by City in exercising such rights and remedies. A Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to Work and the Contract Sum. If the parties are unable to agree to the amount of an appropriate decrease in the Contract Sum, City may deduct from moneys due Contractor, all claims, costs, losses and damages caused by or resulting from the correction or removal. If Contractor disagrees with City's calculations, Contractor may make a claim as provided in Article 12.

9.05 Rights Upon Inspection, Correction Or Acceptance

A. Contractor shall not be allowed an extension of Contract Time because of any delay in the performance of Work attributable to the exercise by City of its rights and remedies under this Article. Where City exercises its rights under this Article, it retains and may still exercise all other rights it has by law or under the Contract Documents including, but not limited to, the right to terminate Contractor's right to proceed with the Work under the Contract Documents for cause and/or make a claim or back charge where a Change Order cannot be agreed upon.

B. Inspection by City or its authorized agents or representatives shall not relieve Contractor of its obligation to have furnished material and workmanship in accordance with Contract Documents. Payment for Work completed through periodic progress payments, final payment or otherwise shall not operate to waive City's right to require full compliance with Contract Documents and shall in no way be deemed as acceptance of any defective Work paid therefor. Contractor's obligation to complete the Work in accordance with Contract Documents shall be absolute, unless City agrees otherwise in writing.


A. In order that City may determine whether Contractor has complied or is complying with requirements of Contract Documents not readily enforceable through inspection and tests of
Work and materials, Contractor shall at any time, when requested, submit to City properly authenticated documents or other satisfactory proofs of compliance with all applicable requirements.

B. Before commencing any portion of Work, Contractor shall inform City in writing as to time and place at which Contractor wishes to commence Work, and nature of Work to be done, in order that proper provision for inspection of Work may occur, and to assure measurements necessary for record and payment. Information shall be given to City a reasonable time in advance of time at which Contractor proposes to begin Work, so that City may complete necessary preliminary work without inconvenience or delay to Contractor.

9.07 Correction Period And Project Warranty Period:

A. If within one year after the date of Final Acceptance, or such longer period of time as may be prescribed by laws, regulations or by the terms of Contract Documents or any extended warranty or guaranty, any Work (completed or incomplete) is found to be Defective, Contractor shall promptly without cost to City and in accordance with City’s written instructions, correct such Defective Work. Contractor shall remove any Defective Work rejected by City and replace it with Work that is not Defective, and satisfactorily correct or remove and replace any damage to other Work or the work of others resulting therefrom. If Contractor fails to promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk of loss or damage, City may have the Defective Work corrected or the rejected Work removed and replaced. Contractor shall pay for all claims, costs, losses and damages caused by or resulting from such removal and replacement. Where Contractor fails to correct Defective Work, or defects are discovered outside the correction period, City shall have all rights and remedies granted by law.

B. In special circumstances where a part of the Work is occupied or a particular item of equipment is placed in continuous service before Final Acceptance of all the Work, the correction period for that part of Work or that item may start to run from an earlier date if so provided by Change Order.

C. Where Defective Work or rejected Work (and damage to other Work resulting therefrom) has been corrected, removed, or replaced under this provision after the commencement of the correction period, the correction period hereunder with respect to such Work shall be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

9.08 No Waiver

A. Neither recordation of Final Acceptance nor final certificate for payment nor provision of the Contract nor partial or entire use or occupancy of premises by City shall constitute acceptance of Work not done in accordance with Contract Documents nor relieve Contractor of liability in respect to express warranties or responsibility for faulty materials or workmanship.

B. If, after installation, operation, or use of materials or equipment to be provided under Contract proves to be unsatisfactory to City, City shall have right to operate and use materials or equipment until said materials and equipment can, without damage to City, be taken out of service for correction or replacement. Period of use of Defective materials or equipment pending correction or replacement shall in no way decrease guarantee period required for acceptable corrected or replaced items of materials or equipment.

C. Nothing in the Contract Documents shall be construed to limit, relieve, or release Contractor’s, Subcontractors’, and equipment suppliers’ liability to City for damages sustained as result of latent defects in materials or equipment caused by negligence of Contractor, its agents, suppliers, employees, or Subcontractors.

ARTICLE 10 – MODIFICATIONS OF CONTRACT DOCUMENTS

10.01 City’s Right To Direct Changed Work.

A. City may, without notice to the sureties and without invalidating the Contract, make changes in the Work (“Changed Work”), including without limitation: alterations, deviations, additions to, or
deletions from Contract Documents; increase or decrease the quantity of any item or portion of the Work; expand, reduce or otherwise change the Contract Time; delete any item or portion of the Work; and require extra Work. Contractor shall perform such Work under applicable provisions of the Contract Documents, unless specifically provided otherwise at the time the change is ordered. In the case of any ordered extra Work, City reserves the right to furnish all or portions of associated labor, material, and equipment, which Contractor shall accept and use without payment for costs, markup, profit, or otherwise for such City-furnished labor, materials, and equipment.

B. If Changed Work is of such a nature as to increase or decrease the time or cost of any part of Work, price fixed in Contract shall be increased or decreased by amount as the Contractor and City may agree upon as reasonable and proper allowance for increase or decrease in cost of Work using the cost guidelines set forth in this Article, and absent such agreement, then as City may direct (with Contractor retaining its rights under Article 12 herein).

10.02 Required Documentation For Changed Work
A. Changes affecting the Contract Time or Contract Sum of the Work shall be set forth in a written Change Order or Change Directive that shall specify:
   1. The Work performed in connection with the change to be made;
   2. The amount of the adjustment of the Contract Sum, if any, and the basis for compensation for the Work ordered; and
   3. The extent of the adjustment in the Contract Time, if any.
B. A Change Order or Change Directive will become effective when signed by City, notwithstanding that Contractor has not signed it. A Change Order will become effective without Contractor’s signature, provided City indicates same thereon (by indicating it as a “unilateral change order”).
C. All changes in any plans and specifications approved by any authority with jurisdiction may also require addenda or change orders approved by that authority.
D. Where City requests, a performance bond rider covering the changed Work must be executed and delivered to City before proceeding with the changed Work or shortly in time thereafter.

10.03 Procedures And Pricing Of Changed Work
A. Procedures for changed work and pricing of changed work, claims and all forms of extra compensation, are set forth in Section 01 2600 (Modification Procedures).

ARTICLE 11 – TIME ALLOWANCES

11.01 Time Allowances
A. Time is of the essence. Contract Time may only be changed by Change Order, and all time limits stated in the Contract Documents are to mean that time is of the essence.

11.02 Excusable Delay And Inexcusable Delay Defined.
A. **Excusable Delay.** Subject to the provisions on Notice of Delay below, Contract Time may be adjusted in an amount equal to the time lost due to:
   1. Changes in the Work ordered by City (“Changes”);
   2. Acts or neglect by City, Architect, any City Representative, utility owners or other contractors performing other work, not permitted or provided for in the Contract Documents, provided that Contractor has performed its responsibilities under the Contract Documents (including but not limited to pre-bid investigations) (“Acts or Neglect”); or
   3. Fires, floods, epidemics, abnormal weather conditions beyond the parameters otherwise set forth in this Article, earthquakes, civil or labor disturbances, or acts of God (together, “force majeure events”), provided damages resulting therefrom are not the result of Contractor’s failure to protect the Work as required by Contract Documents (“Force Majeure”).
B. **Inexcusable Delay.** Contract Time shall not be extended for any period of time where Contractor (and/or any Subcontractor) is delayed or prevented from completing any part of the Work due to a
cause that is within Contractor's risk or responsibility under the Contract Documents. Delays attributable to or within the control of a Subcontractor, or its subcontractors, or supplier, are deemed delays within the control of Contractor.

C. **Float.** Float shall be treated as a Project resource. Contractor shall not be entitled to a time extension for impacts that consume float, but do not impact the critical path.

### 11.03 Notice Of Delay

A. Within seven calendar days of the beginning of any delay (excepting adverse weather delays), Contractor shall notify City in writing, by submitting a notice of delay that shall describe the anticipated delays resulting from the delay event in question. If Contractor requests an extension of time, Contractor shall submit a Time Impact Evaluation (TIE) within ten calendar days of the notice of delay. City will determine all claims and adjustments in the Contract Time. No claim for an adjustment in the Contract Time will be valid and such claim will be waived if not submitted in accordance with the requirements of this subparagraph. In cases of substantial compliance with the seven-day notice requirement here (but not to exceed twenty-one calendar days from the beginning of the delay event), City may in its sole discretion recognize a claim for delay accompanied with the proper TIE, provided Contractor also shows good faith and a manifest lack of prejudice to City from the late notice.

### 11.04 Compensable Time Extensions

A. Subject to other applicable provisions of the Contract Documents, Contractor may be entitled to adjustment in Contract Sum in addition to Contract Time for:
   1. Excusable delay caused solely by Changes in the Work ordered by City, as provided above, and/or
   2. Excusable delay caused solely by Acts or Neglect by City or other person, as provided above.

### 11.05 Non-Compensable Time Extensions

A. Subject to other applicable provisions of the Contract Documents, Contractor may be entitled to adjustment in Contract Time only, without adjustment in Contract Sum, for
   1. Periods of excusable delay caused solely by weather or Force Majeure events as provided above in this Article, or
   2. Periods of concurrent delay, where delay results from two or more causes, one of which is compensable (resulting from Changes or Acts or Neglect as set forth above in this Article), and the other of which is non-compensable or unexcusable, such as: acts or neglect of Contractor, Subcontractors or others for whom Contractor is responsible; other acts, omissions and conditions which would not entitle Contractor to adjustment in Contract Time; adverse weather; and/or actions of Force Majeure as provided above in this Article.

### 11.06 Adverse Weather

A. Adverse weather delays may be allowed only if the number of workdays of adverse weather exceeds the parameters listed or referenced immediately below in this subparagraph and Contractor proves that adverse weather actually caused delays to work on the critical path. Contractor shall give written notice of intent to claim an adverse weather day within one Day of the adverse weather day occurring.

B. Claims for extension of time for rain delay will not be granted unless the number of calendar days work is prevented by rain exceeds 110% of the average number of rain days expected for the period of the Contract Time, based on the records of the National Oceanic & Atmospheric Administration (NOAA) weather station closest to the Project Site, as measured and reported by NOAA. (For example, for California, Oregon and Washington, these figures are contained in the “>=0.10 inch” column at the applicable weather station’s “General Climate Summary Table” for “Precipitation” at http://www.wrcc.dri.edu/Climsum.html), pro-rated in the individual month Contractor starts and finishes Work. Delays due to adverse weather conditions will not be allowed for weather conditions that fall within these parameters.
C. In order to qualify as an adverse weather delay with respect to the foregoing parameters, (i.) daily rainfall must exceed .1 inch, and/or (ii.) daily snowfall must exceed 1.0 inch or more, at the NOAA station located closest to the Project site, as measured and reported by NOAA. Notwithstanding these allowances, Contractor shall at all times employ all available mitigation measures to enable Work to continue, Contractor shall take reasonable steps to mitigate potential weather delays, such as dewatering the Site, lime treatment, and covering Work and material that could be affected adversely by weather. Failure to do so shall be cause for City to not grant a time extension due to adverse weather, where Contractor could have avoided or mitigated the potential delay by exercising reasonable care.

D. Contractor shall include the foregoing precipitation parameters as a monthly activity in its progress schedule. As Work on the critical path is affected by precipitation, Contractor shall notify City and request that the days be moved to the affected activities. Any adverse weather days remaining shall be considered Project float available to either City or Contractor.

E. Adverse weather delay for precipitation shall be recognized for the actual period of time Contractor proves it was delayed by precipitation exceeding the specified parameters. For example, and not by way of limitation, if precipitation exceeding the specified parameters does not in fact delay Contractor’s progress on the critical path, then no time extension shall be recognized; and conversely, if Contractor proves to City’s satisfaction that precipitation exceeding the specified parameters causes delay to Contractor for a period longer than the number of precipitation days incurred (e.g., if it rains or snows during grading work), then Contractor shall be entitled to a time extension equal to the actual period of such delay.

F. During unfavorable weather, wet ground, or other unsuitable construction conditions, Contractor shall employ best practices to protect the Work, manage the construction site and rainwater during inclement weather. Persons performing the Work shall examine surfaces to receive their Work and shall report in writing to Contractor, with copy to City representative and the Architect conditions detrimental to the Work. Failure to examine and report discrepancies makes the Contractor responsible, at no increase in Contract Sum, for corrections City may require. Commencement of Work constitutes acceptance of surface.

11.07 Liquidated Damages

A. Time is of the essence. Execution of Contract Documents by Contractor shall constitute its acknowledgement that City will actually sustain damages in the form of Contract administration expenses (such as Project management and consultant expenses) in the amount fixed in the Contract Documents for each and every Day during which completion of Work required is delayed beyond expiration of time fixed for completion plus extensions of time allowed pursuant to provisions hereof.

B. Contractor and City agree that because of the nature of the Project, it would be impractical or extremely difficult to fix the amount of such actual damages incurred by City because of a delay in completion of all or any part of the Work. Contractor and City agree that specified measures of liquidated damages shall be presumed to be the amount of such damages actually sustained by City, and that because of the nature of the Project, it would be impracticable or extremely difficult to fix the actual damages.

C. Liquidated damages for delay shall cover administrative, overhead, interest on bonds, and general loss of public use damages suffered by City as a result of delay. Liquidated damages shall not cover the cost of completion of the Work, damages resulting from Defective Work, lost revenues or costs of substitute facilities, or damages suffered by others who then seek to recover their damages from City (for example, delay claims of other contractors, subcontractors, tenants, or other third-parties), and defense costs thereof. City may deduct from any money due or to become due to Contractor subsequent to time for completion of entire Work and extensions of time allowed pursuant to provisions hereof, a sum representing then-accrued liquidated damages.

ARTICLE 12 – CLAIMS BY CONTRACTOR

12.01 Obligation to File Claims for Disputed Work

A. Should it appear to Contractor that the Work to be performed or any of the matters relative to the
Contract Documents are not satisfactorily detailed or explained therein, or should any questions arise as to the meaning or intent of the Contract Documents, or should any dispute arise regarding the true value of any work performed, work omitted, extra work that the Contractor may be required to perform, time extensions, payment to the Contractor during performance of this Contract, performance of the Contract, and/or compliance with Contract procedures, or should Contractor otherwise seek extra time or compensation FOR ANY REASON WHATSOEVER, then Contractor shall first follow procedures set forth in the Contract (including but not limited to other Articles of this Document 00 7200 and Section 01 2600.) If a dispute remains, then Contractor shall give written notice to City that expressly invokes this Article 12. City shall decide the issue in writing within 15 calendar days; and City’s written decision shall be final and conclusive. If Contractor disagrees with City’s decision, or if Contractor contends that City failed to provide a decision timely, then Contractor’s SOLE AND EXCLUSIVE REMEDY is to promptly file a written claim setting forth Contractor’s position as required herein.

12.02 Form And Contents Of Claim
A. Contractor’s written claim must identify itself as a “Claim” under this Article 12 and must include the following: (1) a narrative of pertinent events; (2) citation to contract provisions; (3) theory of entitlement; (4) complete pricing of all cost impacts; (5) a time impact analysis of all time delays that shows actual time impact on the critical path; (6) documentation supporting items 1 through 5; a verification under penalty of perjury of the claim’s accuracy. The Claim shall be submitted to City within thirty (30) calendar days of receiving City’s written decision, or the date Contractor contends such decision was due, and shall be priced like a change order according to Section 01 2600, and must be updated monthly as to cost and entitlement if a continuing claim. Routine contract materials, for example, correspondence, RFI, Change Order requests, or payment requests shall not constitute a claim. Contractor shall bear all costs incurred in the preparation and submission of a claim.

12.03 Administration During/After Claim Submission
A. City may render a final determination based on the Claim or may in its discretion conduct an administrative hearing on Contractor’s claim, in which case Contractor shall appear, participate, answer questions and inquiries, and present any further evidence or analysis requested by City prior to rendering a final determination. Should City take no action on the Claim within 45 calendar days of submission, it shall be deemed denied.
B. Notwithstanding and pending the resolution of any claim or dispute, Contractor shall diligently prosecute the disputed work to final completion in accordance with City’s determination.
C. After their submission, claims less than $375,000 shall also be subject to the Local Agency Disputes Act.

12.04 Compliance
A. The provisions of this Article 12 constitute a non-judicial claim settlement procedure that, pursuant to Section 930.2 of the California Government Code, shall constitute a condition precedent to submission of a valid Government Code Claim under the California Government Code. Contractor shall bear all costs incurred in the preparation, submission and administration of a claim. Any claims presented in accordance with the Government Code must affirmatively indicate Contractor’s prior compliance with the claims procedure herein and the previous dispositions under Paragraph 12.3 above of the claims asserted. Pursuant to Government Code Section 930.2, the one-year period in Government Code section 911.2 shall be reduced to 150 calendar days from either accrual of the cause of action, substantial completion or termination of the contract, whichever occurs first; in all other respects, the Government Code shall apply unchanged.
B. Failure to submit and administer claims as required in Article 12 shall waive Contractor’s right to claim on any specific issues not included in a timely submitted claim. Claim(s) or issue(s) not raised in a timely protest and timely claim submitted under this Article 12 may not be asserted in any subsequent litigation, Government Code Claim, or legal action.
C. City shall not be deemed to waive any provision under this Article 12, if at City’s sole discretion, a
claim is administered in a manner not in accord with this Article 12. Waivers or modifications of this Article 12 may only be made by a signed change order approved as to form by legal counsel for both City and Contractor; oral or implied modifications shall be ineffective.

ARTICLE 13 – UNDERGROUND CONDITIONS

13.01 Contractor To Locate Underground Facilities.

A. During construction, Contractor shall comply with Government Code Sections 4216 to 4216.9, and in particular Section 4216.2 which provides, in part: “Except in an emergency, every person planning to conduct any excavation shall contact the appropriate regional notification center at least two working days, but no more than 14 calendar days, prior to commencing that excavation, if the excavation will be conducted in an area which is known, or reasonably should be known, to contain subsurface installations other than the underground facilities owned or operated by the excavator, and, if practical, the excavator shall delineate with white paint or other suitable markings the area to be excavated. The regional notification center shall provide an inquiry identification number to the person who contacts the center and shall notify any member, if known, who has a subsurface installation in the area of the proposed excavation.”

B. Contractor shall contact USA, and schedule the Work to allow ample time for the center to notify its members and, if necessary, for any member to field locate and mark its facilities. Contractor is charged with knowledge of all subsurface conditions reflected in USA records. Prior to commencing excavation or trenching work, Contractor shall provide City with copies of all USA records secured by Contractor. Contractor shall advise City of any conflict between information provided in Document 00 3132 (Geotechnical Data and Existing Conditions), the Drawings and that provided by USA records. Contractor’s excavation shall be subject to and comply with the Contract Documents.

C. Contractor shall also investigate the existence of existing service laterals, appurtenances or other types of utilities, indicated by the presence of an underground transmission main or other visible facilities, such as buildings, new asphalt, meters and junction boxes, on or adjacent to the Site, even if not shown or indicated in Document 00 3132 (Geotechnical Data and Existing Conditions), the Drawings or that provided by USA records. Contractor shall immediately secure all such available information and notify City and the utility owner, in writing, of its discovery.

13.02 Contractor To Protect Underground Facilities.

A. At all times during construction, all operating Underground Facilities shall remain in operation, unless the Contract Documents expressly indicate otherwise. Contractor shall maintain such Underground Facilities in service where appropriate; shall repair any damage to them caused by the Work; and shall incorporate them into the Work, including reasonable adjustments to the design location (including minor relocations) of the existing or new installations. Contractor shall take immediate action to restore any in service installations damaged by Contractor’s operations.

B. Prior to performing Work at the Site, Contractor shall lay out the locations of Underground Facilities that are to remain in service and other significant known underground installations indicated by the Underground Facilities Data. Contractor shall further locate, by carefully excavating with small equipment, potholing and principally by hand, all such utilities or installations that are to remain and that are subject to damage. If additional utilities whose locations are unknown are discovered, Contractor shall immediately report to City for disposition of the same. Additional compensation or extension of time on account of utilities not shown or otherwise brought to Contractor’s attention, including reasonable action taken to protect or repair damage, shall be determined as provided in this Document 00 7200.

C. If during construction, an Underground Facility is uncovered or revealed at or contiguous to the Site which was not shown or indicated in the materials supplied by City for bidding or in information on file at USA or otherwise reasonably available to Contractor, then Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby (and in no event later than seven calendar days), and prior to performing any Work in connection therewith (except in an emergency), identify the owner of such Underground Facility and give written notice to that owner and to City. During such time, Contractor shall be responsible for the
D. The cost of all of the following will be included in the Contract Sum and Contractor shall have full responsibility for (a) reviewing and checking all available information and data including, but not limited to, information made available for bidding and information on file at USA; (b) locating all Underground Facilities shown or indicated in the Contract Documents, available information, or indicated by visual observation including, but not limited to, and by way of example only, engaging qualified locating services and all necessary backhoeing and potholing; (c) coordination of the Work with the owners of such Underground Facilities during construction; and (d) the safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.

E. Consistent with California Government Code §4215, as between City and Contractor, City will be responsible for the timely removal, relocation, or protection of existing main or trunk line utility facilities located on the Site only if such utilities are not identified in the Contract Documents or information made available for bidding. City will compensate for the cost of locating and repairing damage not due to Contractor’s failure to exercise reasonable care, removing and relocating such main or trunk line utility facilities not indicated in the Contract Documents or information made available for bidding with reasonable accuracy, and equipment on the Project necessarily idled during such Work. Contractor shall not be assessed liquidated damages for delay in completion of the Project, when such delay was caused by the failure of City or the utility to provide for removal or relocation of such utility facilities.

13.03 Concealed Or Unknown Conditions

A. If either of the following conditions is encountered at Site when digging trenches or other excavations that extend deeper than four feet below the surface, Contractor shall give a written Notice of Differing Site Conditions to City promptly before conditions are disturbed, except in an emergency as set forth in this Document 00 7200, and in no event later than seven calendar days after first observance of:

1. Subsurface or Latent physical conditions which differ materially from those indicated in the Contract Documents; or

2. Unknown physical conditions of an unusual nature or which differ materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents.

B. In response to Contractor’s Notice of Differing Site Conditions under this Paragraph, City will investigate the identified conditions, and if they differ materially and cause increase or decrease in Contractor’s cost of, or time required for, performance of any part of the Work, City will negotiate the appropriate change order following the procedures set forth in the Contract Documents. If City determines that physical conditions at the Site are not Latent or are not materially different from those indicated in Contract Documents or that no change in terms of the Contract Documents is justified, City will so notify Contractor in writing, stating reasons (with Contractor retaining its rights under Article 12 of this Document 00 7200.)

C. Contractor shall not be entitled to any adjustment in the Contract Sum or Contract Time regarding claimed Latent or materially different Site conditions (whether above or below grade) if Contractor knew or should have known of the existence of such conditions at the time Contractor submitted its Bid, failed to give proper notice, or relied upon information, conclusions, opinions or deductions of the kind that the Contract Documents preclude reliance upon.

D. Regarding Underground Facilities, Contractor shall be allowed an increase in the Contract Sum or an extension of the Contract Time, or both, to the extent that they are attributable to the existence of any Underground Facility that is owned and was built by City only where the Underground Facility:

1. Was not shown or indicated in the Contract Documents or in the information supplied for bidding purposes or in information on file at USA; and

2. Contractor did not know of it; and

3. Contractor could not reasonably have been expected to be aware of it or to have anticipated it from the information available. (For example, if surface conditions such as
pavement repairs, valve covers, or other markings, indicate the presence of an Underground Facility, then an increase in the Contract Sum or an extension of the Contract Time will not be due, even if the Underground Facility was not indicated in the Contract Documents, in the information supplied to Contractor for bidding purposes, in information on file at USA, or otherwise reasonably available to Contractor.)

E. Contractor shall bear the risk that Underground Facilities not owned or built by City may differ in nature or locations shown in information made available by City for bidding purposes, in information on file at USA, or otherwise reasonably available to Contractor. Underground Facilities are inherent in construction involving digging of trenches or other excavations on City’s Project, and Contractor is to apply its skill and industry to verify the information available.

F. Contractor’s compensation for claimed Latent or materially different Site conditions shall be limited to the actual, reasonable, incremental increase in cost of that portion of the Work, resulting from the claimed Latent or materially different Site conditions. Such calculation shall take into account the estimated value of that portion of the Work and the actual value of that portion of the Work, using for guidance Contractor’s or its subcontractor’s bid amount and actual amounts incurred for that portion of the Work and the reasonable expectation (if any) of differing or difficult site conditions in the Work area based on the available records and locale of the Work. For example, if Contractor excavates in an area unexpected, then such costs would be recoverable entirely; while if Contractor extends an existing excavation, then such costs would be recoverable if the resulting excavation costs in that work area exceeded the reasonable expectations therefore.

13.04 Notice Of Hazardous Waste Or Materials Conditions

A. Contractor shall give a written Notice of Hazardous Materials Condition to City promptly, before any of the following conditions are disturbed (except in an emergency as set forth in this Document 00 7200), and in no event later than 24 hours after first observance of any:

1. Material that Contractor believes may be hazardous waste or hazardous material, as defined in Section 25117 of the Health and Safety Code (including, without limitation, Asbestos, lead, PCBs, petroleum and related hydrocarbons, and radioactive material) that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law (“hazardous material”); or

2. Other material that may present an imminent substantial danger to persons or property exposed thereto in connection with Work at the Site (“other materials”).

B. Except as otherwise provided in the Contract Documents or as provided by applicable law, Contractor shall not be required to give any notice for the disturbance or observation of any such hazardous materials or other materials where such matter is disturbed or observed as part of the scope of Work under the Contract Documents (such as hazardous waste or hazardous material investigation, remediation or disposal activities which are identified as the subject of Work under the Contract Documents), where Contractor complies with all requirements in the Contract Documents and applicable law respecting such materials.

C. Contractor’s Notice of Hazardous Materials Condition shall indicate whether the hazardous materials or other materials were shown or indicated in the Contract Documents to be within the scope of Work, and whether the hazardous materials or other materials were brought to the Site by Contractor, its Subcontractors, suppliers, or anyone else for whom Contractor is responsible.

D. Contractor shall not be entitled to any adjustment in the Contract Sum or Contract Time regarding claimed hazardous waste or materials if:

1. Contractor knew of the existence of such hazardous materials or other materials at the time Contractor submitted its Bid; or

2. Contractor should have known of the existence of such hazardous material or other materials as a result of its having the responsibility to obtain additional or supplementary examinations, investigation, explorations, tests, studies, and data concerning the conditions at or contiguous to the Site prior to submitting its Bid; or

E. If City determines that conditions involve hazardous materials or other materials and that a
change in Contract Document terms is justified, City will issue either a Request for Proposal or Construction Change Directive under the procedures described in the Contract Documents. If City determines that conditions do not involve hazardous materials or other materials or that no change in Contract Document terms is justified, City will notify Contractor in writing, stating the reasons for its determination.

F. In addition to the parties’ other rights under this Document 00 7200, if Contractor does not agree to resume Work based on a reasonable belief that it is unsafe, or does not agree to resume Work under special conditions, City may order the disputed portion of Work deleted from the Work, or performed by others, or City may invoke its right to terminate Contractor’s right to proceed under the Contract Documents in whole or in part, for convenience or for cause as the facts may warrant.

G. If Contractor does not agree with any City determination of any adjustment in the Contract Sum or Contract Time under this Article, Contractor may make a claim as provided in Article 12 of this Document 00 7200.

ARTICLE 14 – LEGAL AND MISCELLANEOUS

14.01 Laws And Regulations
A. Contractor shall keep fully informed of and shall comply with all laws, ordinances, regulations and orders of any properly constituted authority affecting the Contract Documents, Work and persons connected with Work, and shall protect and indemnify City and its officers, employees, consultants and agents against any claim or liability, including attorney’s fees, arising from or based on violation of law, ordinance, regulation or order, whether by Contractor or by Subcontractors, employees or agents. Authorized persons may at any time enter upon any part of Work to ascertain compliance of all applicable laws, ordinances, regulations and orders.

14.02 Permits And Taxes
A. Contractor shall procure all permits and licenses applicable to the Work (including environmental matters to the extent applicable); pay all charges and fees, including fees for street opening permits; comply with, implement and acknowledge effectiveness of all permits; initiate and cooperate in securing all required notifications or approvals therefore; and give all notices necessary and incident to due and lawful prosecution of Work, unless otherwise provided herein. City will pay applicable building permits, sanitation and water fees for the completed construction, except as otherwise provided in the Contract Documents. Contractor shall pay all sales and/or use taxes levied on materials, supplies, or equipment purchased and used on or incorporated into Work, and all other taxes properly assessed against equipment or other property used in connection with Work, without any increase in the Contract Sum. Contractor shall make necessary arrangements with proper authorities having jurisdiction over roads, streets, pipelines, navigable waterways, railroads, and other works in advance of operations, even where City may have already obtained permits for the Work.

14.03 Communications And Information Distribution
A. All communications recognized under the Contract Documents shall be in writing, in the form of a serialized document, by type of communication. For example, RFI’s shall be serialized beginning with RFI No. 1; payment applications shall be serialized beginning with Payment Application No. 1, submittals shall be serialized per specification section and transmitted with transmittal sheets beginning with Transmittal No. 1; and correspondence shall be serialized beginning with letter No. 1. Contractor may propose other record management and identification systems or protocols, intended to facilitate orderly transmittal of project information, storage and retrieval of such information, which City will review consistent with these stated objectives, and accept or reject in its sole discretion.
B. Documents Requiring Signatures. All documents requiring signatures for approval prior to implementing action, as stipulated in other portions of Contract Documents, shall require a manually signed, serialized letter delivered to the other party at its address for notice otherwise specified in the Contract Documents, either personally or by mail.
C. Electronic data transfer of such correspondence will serve to expedite preliminary concurrence of information, only. Receipt of “hard copy” signature on forms is required prior to implementing action or work as the conditions may require. For example, change orders and authorizations for extra cost, require signatures. A party may acknowledge receipt of PDF copies of required correspondence by e-mail, but in the absence of such acknowledgment, mail or personal delivery is required.

D. All emails shall be copied to City’s and Contractor’s Project Representative. City reserves the right to preclude e-mail communication, in whole or in part, as Project needs may require. Communication between City and Contractor shall not be via Twitter, Facebook, or other types of instant text message systems. Any such communications shall be inadmissible for any purpose related to this Contract.

14.04 Suspension Of Work

A. City may, without cause, order Contractor in writing to suspend, delay or interrupt Work in whole or in part for such period of time as City may determine. An adjustment shall be made for increases in cost of performance of Work of the Contract Documents caused by any such suspension, delay or interruption, calculated using the measures set forth in Section 01 2600 (Modification Procedures). No adjustment shall be made to extent that performance is, was or would have been so suspended, delayed or interrupted by another cause for which Contractor is responsible.

14.05 Termination Of Contract For Cause

A. The Contractor shall be in default of the Contract Documents and City may terminate the Contractor's right to proceed under the Contract Documents, for cause, in whole or in part, should the Contractor commit a material breach of the Contract Documents and not cure such breach within ten (10) calendar days of the date of notice from City to the Contractor demanding such cure; or, if such breach is curable but not curable within such ten (10) day period, within such period of time as is reasonably necessary to accomplish such cure. (In order for the Contractor to avail itself of a time period in excess of 10 calendar days, the Contractor must provide City within the ten (10) day period with a written plan acceptable to City that demonstrates actual resources, personnel and a schedule to promptly to cure said breach, and then diligently commence and continue such cure according to the written plan).

B. In the event of termination by City for cause as provided herein, the Contractor shall deliver to City possession of the Work in its then condition, including but not limited to, all designs, engineering, Project records, cost data of all types, plans and specifications and contracts with vendors and subcontractors, all other documentation associated with the Project, and all construction supplies and aids dedicated solely to performing the Work which, in the normal course of construction, would be consumed or only have salvage value at the end of the construction period. The Contractor shall remain fully liable for the failure of any Work completed and materials and equipment provided through the date of such termination to comply with the provisions of the Contract Documents. The provisions of this Section shall not be interpreted to diminish any right which City may have to claim and recover damages for any breach of the Contract Documents or otherwise, but rather, the Contractor shall compensate City for all loss, cost, damage, expense, and/or liability suffered by City as a result of such termination and/or failure to comply with the Contract Documents.

C. In the event a termination for cause is later determined to have been made wrongfully or without cause, then the termination shall be treated as a termination for convenience, and the Contractor shall have no greater rights than it would have had following a termination for convenience. Any Contractor claim arising out of a termination for cause shall be made in accord with Article 12 herein. No other loss, cost, damage, expense or liability may be claimed, requested or recovered by the Contractor.

14.06 Termination Of Contract For Convenience

A. City may terminate performance of the Work under the Contract Documents in accordance with this clause in whole, or from time to time in part, whenever City shall determine that termination is
in City’s best interest. Termination shall be effected by City delivering to the Contractor notice of termination specifying the extent to which performance of the Work under the Contract Documents is terminated, and the effective date of the termination.

B. Contractor shall comply strictly with City’s direction regarding the effective date of the termination, the extent of the termination, and shall stop work on the date and to the extent specified.

C. Contractor shall be entitled to a total payment on account of the Contract work so terminated measured by (i.) the actual cost to Contractor of Work actually performed, up to the date of the termination, with profit and overhead limited to twelve percent (12%) of actual cost of work performed, up to but not exceeding the actual contract value of the work completed as measured by the Schedule of Values and Progress Schedule, (ii.) offset by payments made and other contract credits. In connection with any such calculation, however, City shall retain all rights under the Contract Documents, including but not limited to claims, indemnities, or setoffs.

D. Under no circumstances may Contractor recover legal costs of any nature, nor may Contract recover costs incurred after the date of the termination.

14.07 Contingent Assignment Of Subcontracts

A. Contractor hereby assigns to City each Subcontract for a portion of the Work, provided that:

1. The assignment is effective only after City’s termination of Contractor’s right to proceed under the Contract Documents (or portion thereof relating to that Subcontract) as set forth herein.

2. The assignment is effective only for the Subcontracts which City expressly accepts by notifying the Subcontractor in writing;

3. The assignment is subject to the prior rights, if any, of the Surety, obligated by Document 00 6113.13 (Construction Performance Bond) provided under the Contract Documents, where the Surety exercises its rights to complete the Contract;

4. After the effectiveness of an assignment, Contractor shall, at its sole cost and expense (except as otherwise provided in this Document 00 7200), sign all instruments and take all actions reasonably requested by City to evidence and confirm the effectiveness of the assignment in City; and

5. Nothing in this Paragraph shall modify or limit any of Contractor’s obligations to City arising from acts or omissions occurring before the effectiveness of any Subcontract assignment, including but not limited to all defense, indemnity and hold-harmless obligations arising from or related to the assigned Subcontract.

14.08 Remedies And Contract Integration

A. Subject to Contract Documents provisions regarding Contractor claims, claim review, and claim resolution, and subject to the limitations therein, the exclusive jurisdiction and venue for resolving all claims, counter claims, disputes and other matters in question between City and Contractor arising out of or relating to Contract Documents, any breach thereof or the Project shall be the applicable court of competent jurisdiction located in the State and County where the Project is located. All City remedies provided in the Contract Documents shall be taken and construed as cumulative and not exclusive; that is, in addition to each and every other remedy herein provided; and in all instances City shall have any and all other equitable and legal rights and remedies which it would have according to law.

B. The Contract Documents, any Contract Modifications and Change Orders, shall represent the entire and integrated agreement between City and Contractor regarding the subject matters hereof and thereof and shall constitute the exclusive statement of the terms of the parties’ agreement. The Contract Documents, and any Contract Modifications and Change Orders, shall supersede any and all prior negotiations, representations or agreements, written or oral, express or implied, that relate in any way to the subject matter of the Contract Documents or written Modifications. City and Contractor represent and agree that, except as otherwise expressly provided in the Contract Documents, they are entering into the Contract Documents and any subsequent written Modification in sole reliance upon the information set forth or referenced in the Contract Documents or Contract Modifications; the parties are not and will not rely on any other
information, which shall be inadmissible in any proceeding to enforce these documents.

C. Either party’s waiver of any breach or failure to enforce any of the terms, covenants, conditions or other provisions of the Contract Documents at any time shall not in any way affect, limit, modify or waive that party’s right thereafter to enforce or compel strict compliance with every term, covenant, condition or other provision hereof, any course of dealing or custom of the trade or oral representations notwithstanding.

D. Neither acceptance of the whole or any part of Work by City nor any verbal statements on behalf of City or its authorized agents or representatives shall operate as a waiver or modification of any provision of the Contract Documents, or of any power reserved to City herein nor any right to damages provided in the Contract Documents.

14.09 Interpretation.

A. Should any part, term or provision of this Agreement or any of the Contract Documents, or any document required herein or therein to be executed or delivered, be declared invalid, void or unenforceable, all remaining parts, terms and provisions shall remain in full force and effect and shall in no way be invalidated, impaired or affected thereby. If the provisions of any law causing such invalidity, illegality or unenforceability may be waived, they are hereby waived to the end that this Agreement and the Contract Documents may be deemed valid and binding agreements, enforceable in accordance with their terms to the greatest extent permitted by applicable law. In the event any provision not otherwise included in the Contract Documents is required to be included by any applicable law, that provision is deemed included herein by this reference (or, if such provision is required to be included in any particular portion of the Contract Documents, that provision is deemed included in that portion).

B. Contract Documents shall not be construed to create a contractual relationship of any kind between (1) Project Manager or any City’s representative and Contractor; (2) City and/or its Representatives and a Subcontractor, sub-Subcontractor, or supplier of any Project labor, materials, or equipment; or (3) between any persons or entities other than City and Contractor.

14.10 Patents

A. Fees or claims for any patented invention, article or arrangement that may be used upon or in any manner connected with performance of the Work or any part thereof shall be included in the Bid price for doing the Work. Contractor shall defend, indemnify and hold harmless City and each of its officers, employees, consultants and agents, including, but not limited to, the Board and each City’s Representative, from all damages, claims for damages, costs or expenses in law or equity, including attorney’s fees, arising from or relating to any claim that any article supplied or to be supplied under the Contract Documents infringes on the patent rights, copyright, trade name, trademark, service mark, trade secret or other intellectual property right of any person or persons or that the person or entity supplying the article does not have a lawful right to sell the same. Such costs or expenses for which Contractor agrees to indemnify and hold harmless the above indemnities include but are not limited to any and all license fees, whether such fees are agreed by any indemnitee or ordered by a court or administrative body of any competent jurisdiction.

14.11 Substitution For Patented And Specified Articles

A. Except as noted specifically in the instructions to Bidders or in Contract Documents, whenever in Specifications, material or process is designated by patent or proprietary name or by name of manufacturer, such designation shall be deemed to be used for purpose of facilitating description of material and process desired, and shall be deemed to be followed by the words “or Approved Equal” and Contractor may offer any substitute material or process that Contractor considers “equal” in every respect to that so designated and if material or process offered by Contractor is, in opinion of City, Equal in every respect to that so designated, its use will be approved. However, Contractor may utilize this right only by timely submitting Document 00 6325 (Substitution Request Form) as provided in Document 00 2113 (Instructions to Bidders). A substitution will be approved only if it is a true “or equal” item in every aspect of its design and quality, including but not limited to its dimensions, weights, service requirements, durability, functioning, impact on contiguous construction elements, overall schedule and design.
14.12 Interest Of Public Officers

A. No representative, officer, or employee of City no member of the governing body of the locality in which the Project is situated, no member of the locality in which City was activated, and no other public official of such locality or localities who exercises any functions or responsibilities with respect to the Project, during the tenure of the official or for one year thereafter, shall, as principal, agent, attorney or otherwise, be directly or indirectly interested, in the Contract Documents or the proceeds thereof.

14.13 Limit Of Liability

A. CITY, AND EACH OF ITS OFFICERS, BOARD MEMBERS, EMPLOYEES, CONSULTANTS AND AGENTS INCLUDING, BUT NOT LIMITED TO, PROJECT MANAGER AND EACH OTHER CITY REPRESENTATIVE, SHALL HAVE NO LIABILITY TO CONTRACTOR FOR SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, EXCEPT TO THE LIMITED EXTENT THAT THESE CONTRACT DOCUMENTS OR APPLICABLE PUBLIC CONTRACTING STATUTES MAY SPECIFY THEIR RECOVERY.

ARTICLE 15 – WORKING CONDITIONS AND PREVAILING WAGES

15.01 Use Of Site/Sanitary Rules

A. All portions of the Work shall be maintained at all times in neat, clean and sanitary condition. Contractor shall furnish toilets for use of Contractor’s and Subcontractors’ employees on the Site where needed, and their use shall be strictly enforced. All toilets shall be properly secluded from public observation, and shall be located, constructed and maintained subject to City’s approval.

B. Contractor shall confine construction equipment, the storage of materials and equipment and the operations of workers to the Site and land areas identified in and permitted by Contract Documents and other land and areas permitted by applicable laws and regulations, rights of way, permits and easements or as designated by City, and shall not unreasonably encumber the premises with construction equipment or other materials or equipment. Contractor shall assume full responsibility for any damage to any such land or area, any improvement located thereon, or to City or occupant thereof resulting from the performance of Work.

C. During the progress of the Work, Contractor shall keep the Site and the Project free from accumulations of waste materials, rubbish and other debris resulting from the Work. At the completion of the Work, Contractor shall clean the site, remove all waste materials, rubbish and debris from and about the Site as well as all tools, appliances, construction equipment and machinery and surplus materials. Contractor shall leave the premises clean and ready for occupancy by City at Substantial Completion of Work. Contractor shall restore to original condition all property not designated for alteration by Contract Documents.

D. Contractor shall not load nor permit any part of any structure or pavement to be loaded in any manner that will endanger the structure or pavement, nor shall Contractor subject any part of Work or adjacent property to stresses or pressures that will endanger it. Contractor shall conduct all necessary existing conditions investigation regarding structural, mechanical, electrical or any other system existing, shall perform Work consistent with such existing conditions, and shall have full responsibility for insufficiencies or damage resulting from insufficiencies of existing systems, equipment or structures to accommodate performing the Work.

15.02 Protection Of Work, Persons, And Property

A. Contractor shall be responsible for initiating, maintaining and supervising all safety and site security precautions and programs in connection with Work, and shall develop and implement a site security and safety plan throughout construction. Contractor shall comply with all safety requirements specified in any safety program established by City, or required by state, federal or local laws and ordinances. Contractor shall be responsible for all theft or damage to Work, property or structures, and all injuries to persons, either on the Site or constituting the Work (e.g., materials in transit), arising from the performance of Work of the Contract Documents from a cause.
B. Contractor shall comply with all applicable laws and regulations of any public body having jurisdiction for safety of persons or property or to protect them from damage, injury or loss; and shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify owners of adjacent property and of Underground Facilities and utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation and replacement of their property.

C. Contractor shall remedy all damage, injury or loss to any property referred to above in this Article, caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, supplier, or any other person or organization directly or indirectly employed by any of them to perform or furnish any Work or anyone for whose acts any of them may be liable. Contractor's duties and responsibility for safety and for protection of Work shall continue until such time as all the Work is completed and Final Acceptance of the Work. City and its agents do not assume any responsibility for collecting any indemnity from any person or persons causing damage to Contractor's Work.

D. Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

E. City may, at its option, retain such moneys due under the Contract Documents as City deems necessary until any and all suits or claims against Contractor for injury to persons or property shall be settled and City receives satisfactory evidence to that effect.

F. Work within the right-of-way lines of the city and/or City and/or State shall be done in accordance with the standards and specifications of the controlling agency. Permit for such work shall be obtained and paid for by the Contractor before executing the work within such right-of-ways.

15.03 Responsibility For Safety And Health

A. Contractor shall ensure that its and each tier of Subcontractors' employees, agents and invitees comply with applicable health and safety laws while at the Site. These laws include the Occupational Safety and Health Act of 1970 and rules and regulations issued pursuant thereto, and City's safety regulations as amended from time to time. Contractor shall comply with all City directions regarding protective clothing and gear.

B. Contractor shall be fully responsible for the safety of its and its Subcontractors' employees, agents and invitees on the Site. Contractor shall notify City, in writing, of the existence of hazardous conditions, property or equipment at the Site that are not under Contractor's control. Contractor shall be responsible for taking all the necessary precautions against injury to persons or damage to the property of Contractor, Subcontractors or persons from recognized hazards until the responsible party corrects the hazard.

C. Contractor shall confine all persons acting on its or its Subcontractors' behalf to that portion of the Site where Work under the Contract Documents is to be performed, City-designated routes for ingress and egress thereto, and any other City-designated area. Except those routes for ingress and egress over which Contractor has no right of control, within such areas, Contractor shall provide safe means of access to all places at which persons may at any time have occasion to be present.

15.04 Emergencies

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

15.05 Use Of Roadways And Walkways

A. Contractor shall not unnecessarily interfere with use of any roadway, walkway or other facility for
vehicular or pedestrian traffic. Before beginning any interference and only with City’s prior concurrence, Contractor may provide detour or temporary bridge for traffic to pass around or over the interference, which Contractor shall maintain in satisfactory condition as long as interference continues. Unless otherwise provided in the Contract Documents, Contractor shall bear the cost of these temporary facilities.

15.06 Nondiscrimination

A. No person or entity shall discriminate in the employment of persons upon public works because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sexual preference, or gender of such persons, except as provided in Section 12940 of the California Government Code. Every contractor for public works violating the provisions of Section 1735 of the California Labor Code is subject to all the penalties imposed for a violation of Chapter 1, Part 7, Division 2 of the California Labor Code.

15.07 Prevailing Wages And Working Hours

A. Contractor shall pay to persons performing labor in and about Work provided for in the Contract Documents an amount equal to or more than the general prevailing rate of per diem wages for (1) work of a similar character in the locality in which the Work is performed and (2) legal holiday and overtime work in said locality. The per diem wages shall be an amount equal to or more than the stipulated rates contained in a schedule that has been ascertained and determined by the Director of the State Department of Industrial Relations and City to be the general prevailing rate of per diem wages for each craft or type of workman or mechanic needed to execute this Contract. Contractor shall also cause a copy of this determination of the prevailing rate of per diem wages to be posted at each Site.

B. Contractor shall forfeit, as a penalty to City, Fifty Dollars ($50.00) for each laborer, workman, or mechanic employed in performing labor in and about the Work provided for in the Contract Documents for each Day, or portion thereof, that such laborer, workman or mechanic is paid less than the said stipulated rates for any Work done under the Contract Documents by him or her or by any Subcontractor under him or her, in violation of Articles 1 and 2 of Chapter 1 of Part 7 of Division II of the California Labor Code. The sums and amounts which shall be forfeited pursuant to this Paragraph and the terms of the California Labor Code shall be withheld and retained from payments due to Contractor under the Contract Documents, pursuant to this Document 00 7200 and the California Labor Code, but no sum shall be so withheld, retained or forfeited except from the final payment without a full investigation by either the State Department of Industrial Relations or by City. The Labor Commissioner pursuant to California Labor Code §1775 shall determine the final amount of forfeiture.

C. Contractor shall insert in every subcontract or other arrangement which Contractor may make for performance of Work or labor on Work provided for in the Contract, provision that Subcontractor shall pay persons performing labor or rendering service under subcontract or other arrangement not less than the general prevailing rate of per diem wages for work of a similar character in the locality in which the Work is performed, and not less than the general prevailing rate of per diem wages for holiday and overtime work fixed in the California Labor Code.

D. Contractor stipulates that it shall comply with all applicable wage and hour laws, including without limitation, California Labor Code §§ 1776 and 1810-1815. Failure to so comply shall constitute a default under this Contract.

E. Contractor and its Subcontractors shall be responsible for compliance with Labor Code §§ 1810-1815.

1. Eight hours of labor performed in execution of the Contract constitutes a legal day’s work. The time of service of any workman employed on the Project is limited and restricted to 8 hours during any one calendar day, and 40 hours during any one calendar week.

2. Contractor and its Subcontractors shall keep an accurate record showing the name of and actual hours worked each calendar day and each calendar week by each worker employed by him or her in connection with the Project. The record shall be kept open at all reasonable hours to the inspection City and to the Division of Labor Standards Enforcement.
3. Contractor or its Subcontractors shall, as a penalty to City, forfeit twenty-five dollars ($25) for each worker employed in the execution of the Contract Documents by the respective Contractor or Subcontractor for each calendar day during which the worker is required or permitted to work more than 8 hours in any one calendar day and 40 hours in any one calendar week in violation of the provisions of Labor Code §§ 1810-1815.

4. Work performed on the Project by employees of Contractor or its Subcontractors in excess of 8 hours per day, and 40 hours during any one week, shall be permitted upon compensation for all hours worked in excess of 8 hours per day at not less than 1 1/2 times the basic rate of pay.

F. Contractor and its Subcontractors shall be responsible for compliance with Labor Code Section 1776.

1. Contractor and Subcontractors must keep accurate payroll records, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by him or her in connection with the Work of the Contract Documents. Each payroll record shall contain or be verified by a written declaration as required by Labor Code Section 1776.

2. The payroll records enumerated above must be certified and shall be available for inspection at all reasonable hours at the principal office of the Contractor as required by Labor Code Section 1776.
   a. Contractor shall inform City of the location of records enumerated above, including the street address, city and county, and shall, within five working days, provide a notice of a change of location and address.
   b. Contractor or Subcontractor has 10 calendar days in which to comply subsequent to receipt of a written notice requesting the records enumerated above. In the event that the Contractor or Subcontractor fails to comply with the ten-day period, he or she shall, as a penalty to City on whose behalf the contract is made or awarded, forfeit $25.00 for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement, these penalties shall be withheld from progress payments then due. Contractor is not subject to a penalty assessment pursuant to this Paragraph due to the failure of a Subcontractor to comply with this Paragraph.

3. Contractor shall also deliver certified payrolls to City with each Application for Payment as set forth above in this Document 00 7200 (General Conditions).

15.08 Environmental Controls

A. Contractor shall comply with all rules, regulations, ordinances, and statutes that apply to any Work performed under the Contract Documents including, without limitation, any toxic, water, stormwater management and soil pollution controls and air pollution controls specified in California Government Code §11017. Contractor shall be responsible for insuring that Contractor’s Employees, Subcontractors, and the public are protected from exposure to airborne hazards or contaminated water, soil, or other toxic materials used during or generated by activities on the Site or associated with the Project.

15.09 Shoring Safety Plan

A. Any conflict between this Paragraph and Division 2 of the Specifications shall be resolved in favor of the most stringent requirement.

B. At least five calendar days in advance of any excavation five feet or more in depth, Contractor shall submit to City a detailed plan showing the shoring, bracing and sloping design (including calculations) and other provisions to be made for worker protection from the hazard of caving ground during the excavation, as required by California Labor Code §6705. A civil or structural engineer registered in California shall prepare and sign any plan that varies from the shoring system standards established by the State Construction Safety Orders.
C. During the course of Work, Contractor shall be responsible for determining where sloping, shoring, and/or bracing is necessary and the adequacy of the design, installation, and maintenance of all shoring and bracing for all excavation, including any excavation less than five feet in depth. Contractor will be solely responsible for any damage or injuries that may result from excavating or trenching. City’s acceptance of any drawings showing the shoring or bracing design or Work schedule shall not relieve Contractor of its responsibilities under this Paragraph.

D. Appoint a qualified supervisory employee who shall be responsible to determine the sloping or shoring system to be used depending on local soil type, water table, stratification, depth, etc.
DOCUMENT  00 7201

SUPPLEMENTAL GENERAL CONDITIONS

[OPTIONAL]

END OF SECTION
ARTICLE 1 – INSURANCE

1.01 At or before the date specified in Document 00 2113 (Instructions to Bidders), Contractor shall furnish to City of Berkeley (“City”) satisfactory proof that Contractor has taken out for the entire period covered by the Contract the following classes of insurance in the form and with limits and deductibles specified below, unless otherwise specified in Contract Documents:

A. Comprehensive General Liability Insurance covering claims for personal injury, bodily injury and property damage arising out of the Work and in a form providing coverage not less than that of a Standard Commercial General Liability Insurance policy (“Occurrence Form”). Such insurance shall provide for all operations and include independent contractors, products liability, completed operations for one year after Final Completion and acceptance of the final payment for the Work, contractual liability, and coverage for explosion, collapse, and underground hazards. The limits of such insurance shall not be coverage of less than $2,000,000 each occurrence, $2,000,000 general aggregate limit, and $2,000,000 aggregate for products and completed operations, with defense costs payable in addition to policy limits. The policies shall be endorsed to provide Broad Form Property Damage Coverage.

B. Comprehensive Automobile Liability Insurance covering all owned, non-owned, and hired vehicles. Such insurance shall provide coverage not less than the standard Comprehensive Automobile Liability policy with limits not less than $2,000,000 each occurrence Bodily Injury, and $2,000,000 each occurrence Property Damage.

C. All-Risk Course of Construction Insurance including damage to property owned by City, Contractor or third parties caused by fire. Insurance shall be in the amount of 100 percent of the completed value of the Work to be performed under this Contract. Deductible shall not exceed $10,000. Each loss shall be borne by Contractor.

D. Workers’ Compensation Insurance for all persons whom the Contractor may employ in carrying out Work contemplated under Contract Documents, in accordance with the Act of Legislature of State of California, known as “Workers’ Compensation Insurance and Safety Act,” approved May 26, 1913, and all acts amendatory or supplemental thereto, in the statutory amount. Workers’ Compensation Insurance is $1,000,000 each accident, with defense cost payable in addition to policy limits.

All policies of insurance shall be placed with insurers acceptable to City. The insurance underwriter(s) for all insurance policies except Workers’ Compensation shall have an A. M. Best Company rating of A-, VIII or better, unless otherwise specified in Contract Documents. Required minimum amounts of insurance may be increased should conditions of Work, in opinion of City, warrant such increase. Contractor shall increase required insurance amounts upon direction by City.

1.02 All policies of insurance shall be placed with insurers acceptable to City. The insurance underwriter(s) for all insurance policies except Workers’ Compensation shall have an A. M. Best Company rating of A-, VIII or better, unless otherwise specified in Contract Documents. Required minimum amounts of insurance may be increased should conditions of Work, in opinion of City, warrant such increase. Contractor shall increase required insurance amounts upon direction by City.

1.03 Required Endorsements: The policies required under Document 00 7200 (General Conditions) and this Document 00 7316 shall be endorsed as follows:

A. City of Berkeley, its officers, agents, volunteers, consultants, and employees shall be named as additional insureds, but only with respect to liability arising out of the activities of the named insured, and there shall be a waiver of subrogation as to each named and additional insured.

B. Each such policy shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limit of the insurance company’s liability required hereunder. Should any of the policies identified herein contain a “cross-suits” exclusion, such exclusion must not apply to any additional insureds.

C. Written notice of cancellation or of any limits reduction change in said policy shall be mailed to the City thirty (30) calendar days in advance of the effective date thereof, and ten (10) calendar days
Supplementary Conditions – Insurance and Indemnification

written notice to the same in advance of payment of any insurance claims under such policies to any person, firm or entity.

D. Insurance shall be primary insurance and no other insurance or self-insured retention carried or held by any named or additional insureds shall be called upon to contribute to a loss covered by insurance for the named insured.

1.04 Written notice of cancellation, non-renewal, or reduction in coverage of any policy shall be mailed to City (Attention: Project Manager and the Construction Manager) at the address listed in Document 00 5200 (Agreement), 30 calendar days in advance of the effective date of the cancellation, non-renewal, or reduction in coverage. Written notice of cancellation for non-payment shall be mailed within 10 calendar days of cancellation.

1.05 Certificates of insurance and endorsements shall have clearly typed thereon City Specification Number, and Title of Project of Contract Documents. Contractor shall maintain insurance in full force and effect during entire period of performance of Contract Documents.

1.06 Contractor shall keep insurance in force during warranty and guarantee periods, except that Contractor may discontinue All-Risk Course of Construction Insurance after Final Payment. At time of making application for extension of time, and during all periods exceeding the Contract Time resulting from any cause, Contractor shall submit evidence that insurance policies will be in effect during requested additional period of time. Upon City’s request, Contractor shall submit to City, within 30 calendar days, copies of the actual insurance policies or renewals or replacements.

1.07 Contractor shall pay all insurance premiums, including any charges for required waivers of subrogation or the endorsement of additional insureds. If Contractor fails to maintain insurance, City may take out comparable insurance, and deduct and retain amount of premium from any sums due Contractor under Contract Documents.

1.08 If injury occurs to any employee of Contractor, Subcontractor or sub-subcontractor for which the employee, or the employee’s dependents in the event of employee’s death, is entitled to compensation from City under provisions of the Workers’ Compensation Insurance and Safety Act, as amended, or for which compensation is claimed from City, City may retain out of sums due Contractor under Contract Documents, amount sufficient to cover such compensation, as fixed by the Act, as amended, until such compensation is paid, or until it is determined that no compensation is due. If City is compelled to pay compensation, City may, in its discretion, either deduct and retain from the Contract Sum the amount so paid, or require Contractor to reimburse City.

1.09 Nothing herein shall be construed as limiting in any way the extent to which Contractor or any Subcontractor may be held responsible for payment of damages resulting from their operations.

1.10 All Subcontractors shall maintain the same insurance required to be maintained by Contractor with respect to their portions of the Work unless otherwise indicated in Contract Documents, and Contractor shall cause the Subcontractors to furnish proof thereof to City within ten calendar days of City’s request.

1.11 The following provisions apply to any licensed professional engaged by Contractor to perform portions of the Work (“Professional”).

A. Each Professional shall maintain the following insurance, unless otherwise specified in Contract Documents:

B. Professional Liability Insurance, insuring against professional errors and omissions arising from Professional’s Work on the Project, in an amount not less than $2,000,000 combined single limit for each occurrence. If Professional cannot provide an occurrence policy, Professional shall provide insurance covering claims made as a result of performance of Work on this Project and shall maintain such insurance in effect for not less than two years following Final Completion of the Project.

C. Professional shall satisfy all other provisions of this Document 00 7316 relating to that insurance, including without limitation providing required insurance certificates (containing the required
ARTICLE 2 – RESPONSIBILITY OF CONTRACTOR AND INDEMNIFICATION

2.01 City and each of its officers, employees, consultants and agents including, but not limited to, the Board, Project Manager and Construction Manager and each City’s Representative, shall not be liable or accountable in any manner for loss or damage that may happen to any part of the Work; loss or damage to materials or other things used or employed in performing the Work; injury, sickness, disease, or death of any person; or damage to property resulting from any cause whatsoever except their sole negligence, willful misconduct or active negligence, attributable to performance or character of the Work, and Contractor releases all of the foregoing persons and entities from any and all such claims.

2.02 To the furthest extent permitted by law (including without limitation California Civil Code §2782), Contractor shall assume defense of, and indemnify and hold harmless, City and each of its officers, employees, consultants and agents, including but not limited to the Board, Project Manager and Construction Manager and each City’s Representative, from claims, suits, actions, losses and liability of every kind, nature and description, including but not limited to claims and fines of regulatory agencies and attorney’s fees and consultant’s fees, directly or indirectly arising out of, connected with or resulting from performance of the Work, failure to perform the Work, or condition of the Work which is caused in whole or part by any act or omission of Contractor, Subcontractors, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, resulting from any cause whatsoever except their sole negligence, willful misconduct or active negligence.

2.03 With respect to third-party claims against Contractor, Contractor waives any and all rights to any type of express or implied indemnity against City and each of its officers, employees, consultants and agents including, but not limited to City, the Board, Project Manager and Construction Manager and each City’s Representative. City shall provide timely notice to Contractor of any third-party claim relating to the Contract Documents, in accordance with Section 9201 of the California Public Contract Code.

2.04 Approval or purchase of any insurance contracts or policies shall in no way relieve from liability nor limit the liability of Contractor, its Subcontractors of any tier, or the officers or agents of any of them.

2.05 To the furthest extent permitted by law (including, without limitation, Civil Code §2782), the indemnities, releases of liability and limitations of liability, claims procedures, and limitations of remedy expressed throughout Contract Documents shall apply even in the event of breach of Contract, negligence (active or passive), fault or strict liability of the party(ies) indemnified, released, or limited in liability, and shall survive the termination, rescission, breach, abandonment, or completion of the Work or the terms of the Contract Documents. If Contractor fails to perform any of these defense or indemnity obligations, City may in its discretion back charge Contractor for City’s costs and damages resulting therefrom and withhold such sums from progress payments or other Contract moneys which may become due.

2.06 The indemnities in the Contract Documents shall not apply to any indemnified party to the extent of its sole negligence or willful misconduct; nor shall they apply to City or other indemnified party to the extent of its active negligence.
ARTICLE 1 – GENERAL

1.01 DESCRIPTION
A. This document includes requirements which supplement the sections of the General Conditions.

1.02 PROHIBITED DISCRIMINATION. The following paragraphs shall be added to the General Conditions as a new Article 16.A, and, with the additions set forth in paragraphs 1.03 through 1.08, below, shall constitute a new Section 16 of Document 00 7200, General Conditions, entitled “16: City of Berkeley Contracting Policies”.

“16. A PROHIBITED DISCRIMINATION: During prosecution of the Work to be done under the Contract, Contractor shall comply with the provisions of Berkeley Municipal Code (“B.M.C.”) Chapter 13.26, including, but not limited to, the following:

1. Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, ancestry, national origin, age (over 40), sex, pregnancy, marital status, disability, sexual orientation or AIDS.

2. Contractor shall permit the City access to records of employment, employment advertisements, application forms, EEO-1 forms, affirmative action plans and any other documents which, in the opinion of the City, are necessary to monitor compliance with this non-discrimination provision. In addition, Contractor shall submit forms supplied by the City to monitor this non-discrimination provision.”

1.03 CONFLICTS OF INTEREST PROHIBITED. The following paragraphs shall be added to Document 00 7200, General Conditions, as a new Section:

“16. B CONFLICTS OF INTEREST PROHIBITED:

1. In accordance with Government Code section 1090, Berkeley City Charter section 36 and B.M.C. Chapter 3.64, neither Contractor nor any employee, officer, director, partner or member of Contractor or immediate family member of any of the preceding, shall have served as an elected officer, an employee, or a City board, committee or commission member, who has directly or indirectly influenced the making of the Agreement.

2. In accordance with Government Code section 1090 and the Political Reform Act, Government Code section 87100 et seq., no person who is a director, officer, partner, trustee, employee or consultant of the Contractor, or immediate family member of any of the preceding, shall make or participate in a decision made by the City or a City board, commission or committee, if it is reasonably foreseeable that the decision will have a material effect on any source of income, investment or interest in real property of that person or Contractor.

a. Interpretation of this section shall be governed by the definitions and provisions used in the Political Reform Act, Government Code section 87100 et seq., its implementing regulations, manuals and codes, Government Code section 1090, Berkeley City Charter section 36 and B.M.C. Chapter 3.64.”
1.04 NUCLEAR FREE BERKELEY ORDINANCE. The following paragraphs shall be added to Document 00 7200, General Conditions, as a new Section:

“16. C NUCLEAR FREE BERKELEY ORDINANCE:

1. Contractor agrees to comply with B.M.C. Chapter 12.90, the Nuclear Free Berkeley Act, as amended from time to time.”

1.05 CONTRACTUAL RELATIONS WITH PROHIBITED ENTITIES. The following paragraphs shall be added to Document 00 7200, General Conditions, as a new Section:

“16. D CONTRACTUAL RELATIONS WITH PROHIBITED ENTITIES

1. OPPRESSIVE STATES

a. In accordance with Resolution No. 59,853-N.S. (Appendix 00812-A), Contractor certifies that it has no contractual relations with, and agrees during the term of this agreement to forego contractual relations to provide personal services to, the following entities:

1. The governing regime in any Oppressive State.
2. Any business or corporation organized under the authority of the governing regime of any Oppressive State.
3. Any individual, firm, partnership, corporation, association, or any other commercial organization, and including parent-entities and wholly-owned subsidiaries (to the extent that their operations are related to the purpose of its contract with the City), for the express purpose of assisting in business operations or trading with any public or private entity located in any Oppressive State.

b. Appendix A to Resolution No. 59,853-N.S. designates the following as Oppressive States for the purposes of this Contract:

1. Tibet Autonomous Region and the provinces of Ado, Kham, and U-Tsang.

c. Contractor’s failure to comply with this section shall constitute a default of this Contract and City may terminate the Contractor’s right to proceed with the Work pursuant to Document 00 7200, General Conditions, Article 14.05.

1. In the event that the City terminates Contractor due to a default under this provision, City may deem Contractor a non-responsible bidder for five (5) years from the date this Contract is terminated.”

1.06 REQUIRED AND PROHIBITED WORK MATERIALS. The following paragraphs are added to Document 00 7200, General Conditions, as a new Section:

“16. E REQUIRED AND PROHIBITED WORK MATERIALS

1. RECYCLED PAPER

a. If Contractor is required by this Agreement to prepare a written report or study, Contractor shall use recycled paper for said report or study when such paper is available at a cost of not more than ten percent more than the cost of virgin
paper, and when such paper is available at the time it is needed. For the purposes of this Agreement, recycled paper is paper that contains at least 50% recycled product. If recycled paper is not available, Contractor shall use white paper. Written reports or studies prepared under this Agreement shall be printed on both sides of the page whenever practical.

TROPICAL HARDWOODS

a. Contractor shall comply with the terms of Resolution No. 58,291-N.S. (Appendix 00812-B) prohibiting the use of any tropical hardwood or wood product, including, but not limited to, those enumerated in Resolution No. 58,291-N.S. Contractor must submit, with its bid, a statement Tropical Hardwood Disclosure form.

b. Except as expressly permitted by the application of Sections 3.B and 4.B. of Resolution No. 58,291-N.S., Contractor shall not provide any items to the City in performance of this contract which are tropical hardwoods or tropical wood products.

c. Contractor’s failure to comply with this section shall constitute a default of this Agreement and Contractor agrees that City may take any of the following actions:

1. terminate the Contractor’s right to proceed with the Work pursuant to Document 00 7200, General Conditions, Article 14.05;

2. withhold funds due the Contractor under any contract with the City;

3. order revision of the Contract Documents based upon a material breach of Contract Documents provisions or pertaining to representations made in bidding, execution or performance of the Contract Documents;

4. disqualify the Contractor from eligibility for providing commodities or services to the City for a period not to exceed five (5) years, with a right to review and reconsideration by the City after two (2) years upon a showing of corrective action, indicating violations are not likely to recur.

d. Notwithstanding Article 4 of the Agreement, Contractor acknowledges and agrees that its failure to comply with this requirement justifies the imposition of liquidated damages in an amount equal to Contractor’s net profit, or five percent (5%) of the total contract amount, whichever is greater.

1. Liquidated damages under this provision shall be payable to the City upon demand and may be set off against any monies due to the Contractor from any contract with the City.

3. VIRGIN REDWOOD

a. Contractor agrees to comply with the City Council’s October 29, 1996, directive not to purchase virgin redwood for the prosecution of the work to be done under this Contract and in its place purchase and use:

1. Redwood that has been previously used or;

2. Certified, sustainable-harvested redwood as the preferred alternative to virgin and non-certified redwood, and not pressure-treated lumber of other species as an alternative to redwood.”
4. TREATED WOOD
   a. Contractor shall comply with the terms of Resolution No. 61,724-N.S. (Appendix 00812-E) prohibiting the use of Pentachlorophenol, arsenic and creosote treated wood. No such wood shall be used by the contractor in this or any other City project without the express written consent of the City Council.

1.07 COMMUNITY WORKFORCE AGREEMENT. The following paragraph shall be added to Document 00700 (General Conditions) as a new Section if the contract exceeds $500,000.

   “16.F COMMUNITY WORKFORCE AGREEMENT

   1. Contractor and any subcontractor at any tier shall comply with the City’s Community Workforce Agreement set forth in the Appendix 00812 C.
      a. Under the Community Workforce Agreement, Contractor must sign and comply with the Agreement to be Bound prior to execution of the Contract.
      b. Subcontractors at any tier must also sign and comply with an Agreement to be Bound prior to execution of their respective subcontracts.
      c. The signing of an Agreement to be Bound is a condition precedent to entering into any contract for this project.”

1.08 EQUAL BENEFITS ORDINANCE. The following paragraph shall be added to Document 00700 (General Conditions) as a new Section:

   “16.G EQUAL BENEFITS ORDINANCE:

   1. Contractor hereby agrees to comply with the provisions of the Berkeley Equal Benefits Ordinance, B.M.C. Chapter 13.29 (Appendix 00812-D). If Contractor is currently subject to the Berkeley Equal Benefits Ordinance, as indicated by the Equal Benefits Certification form, as contained in Document 00680, Contractor will be required to provide all eligible employees with City mandated equal benefits, as defined in B.M.C. Chapter 13.29, during the term of this contract, as well as comply with the terms enumerated herein.

   2. If Contractor is currently or becomes subject to the Berkeley Equal Benefits Ordinance, Contractor agrees to provide the City with all records the City deems necessary to determine compliance with this provision. These records are expressly subject to the auditing terms described in Document 00 7200, General Conditions, Article 8.02.

   3. If Contractor fails to comply with the requirements of this Article, City shall have the rights and remedies described in this Section, in addition to any rights and remedies provided by law or equity.
      3. Contractor’s failure to comply with this Article shall constitute a material breach of the Contract, upon which City may terminate the Contractor’s right to proceed with the Work pursuant to Document 00 7200, General Conditions, Article 14.05. In the event the City terminates the Contractor’s right to proceed with the Work due to a default by Contractor under this Article, the City may deem Contractor a non-responsible bidder for not more than five (5) years from the date this Contract is terminated. In addition, at City’s sole discretion, Contractor may be responsible for liquidated damages in the amount of $50.00 per employee per day for each and every instance of
violation of this Section. It is mutually understood and agreed that Contractor’s failure to provide its employees with equal benefits will result in damages being sustained by City; that the nature and amount of these damages will be extremely difficult and impractical to fix; that the liquidated damages set forth herein is the nearest and most exact measure of damages for such breach that can be fixed at this time; and that the liquidated damage amount is not intended as a penalty or forfeiture for Contractor’s breach. City may deduct any assessed liquidated damages from any payments otherwise due Contractor.

1.09 SANCTUARY CITY CONTRACTING: The following paragraph shall be added to Document 00700 (General Conditions) as a new Section:

"16. H SANCTUARY CITY ORDINANCE:
1. Contractor hereby agrees to comply with the provisions of the Sanctuary City Contracting Ordinance, B.M.C. Chapter 13.105. In accordance with this Chapter, Contractor agrees not to provide the U.S. Immigration and Customs Enforcement Division of the United States Department of Homeland Security with any Data Broker or Extreme Vetting Services as defined herein:

a. “Data Broker” means either of the following:

ii. The collection of information, including personal information about consumers, from a wide variety of sources for the purposes of reselling such information to their customers, which include both private-sector business and government agencies;

iii. The aggregation of data that was collected for another purpose from that for which it is ultimately used.

b. “Extreme Vetting” means data mining, threat modeling, predictive risk analysis, or other similar services. Extreme Vetting does not include:

i. The City’s computer-network health and performance tools;

ii. Cybersecurity capabilities, technologies and systems used by the City of Berkeley Department of Information Technology to predict, monitor for, prevent, and protect technology infrastructure and systems owned and operated by the City of Berkeley from potential cybersecurity events and cyber-forensic based investigations and prosecutions of illegal computer based activity."
SCHEDULE OF APPENDENCES
TO
MODIFICATIONS TO GENERAL CONDITIONS

Schedule of Exhibits: (the following Exhibits are on file at the Berkeley City Clerk’s office and will be made available on request to any interested party)

A. City Council Resolution No. 59,853-N.S. (Re: Oppressive States).
B. City Council Resolution No. 58,291-N.S. (Re: Tropical Hardwoods).
C. City Council Resolution No. 61,724-N.S. (Re: Treated Wood).
D. Berkeley Municipal Code, Chapter 13.29, Equal Benefits Ordinance
E. Community Workforce Agreement and Agreement to be Bound for contract exceeding $500,000.
F. Sanctuary City Contracting Ordinance, B.M.C. Chapter 13.105.

END OF DOCUMENT
DOCUMENT      00 7319

SUPPLEMENTARY CONDITIONS – HEALTH AND SAFETY REQUIREMENTS;
HAZARDOUS MATERIALS

ARTICLE 1 – GENERAL

1.01 Summary
A. This document includes requirements as they apply to location, removal, remediation and
disposal of hazardous materials and hazardous waste.

1.02 HAZARDOUS MATERIALS SURVEY
A. Reference Section 01 1100, Part 1.15 for a list of available documents, including any Hazardous
Materials Surveys, if available.
B. Data regarding the locations of hazardous materials was obtained only for use of City and its
consultants, contractors, and tenants for planning and design and are not part of Contract
Documents.
C. Bidders may rely on this data and information for general accuracy regarding the locations of
potentially hazardous materials subject of the Work. City does not warrant and makes no
representation regarding the completeness or thoroughness of any data or information regarding
existing conditions or hazardous materials, including, but not limited to, quantities, characteristics,
Volumes, or associated structural features. Bidder represents and agrees that in submitting a Bid
it is not relying on any such data, information or deductions.
D. Before submitting a Bid, each Bidder shall be responsible to obtain such additional or
supplementary examinations, investigations, explorations, tests, studies and data concerning
conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site or
otherwise, which may affect cost, progress, performance or furnishing of Work or which relate to
any aspect of the means, methods, techniques, sequences or procedures of construction to be
employed by Bidder and safety precautions and programs incident thereto or which Bidder deems
necessary to determine its Bid for performing and furnishing the Work in accordance with the
time, price and other terms and conditions of Contract Documents.
E. Bidders shall advise City in writing during the Bid period of any questions, suppositions,
inferences or deductions Bidders may have for City’s review and response. City has provided
time in the period prior to bidding for Bidder to perform these investigations.
F. During the Pre-Bid Site Visit(s), City will provide each Bidder access to the Site to conduct such
examinations, investigations, explorations, tests, and studies, as each Bidder deems necessary
for submission of a Bid. Bidders must fill all holes and clean up and restore the Site to its former
conditions upon completion of such explorations, investigations, tests, and studies. Such
investigations may be performed only under the provisions of Document 00 2113 (Instructions to
Bidders) and Document 00 7200 (General Conditions) including, but not limited to, proof of
insurance and obligation to indemnify against claims arising from such investigation work. Each
Bidder shall supply all equipment required to perform any investigations as each Bidder deems
necessary. City has the right to limit the number of pieces of machinery operating at one time
due to safety concerns.

1.03 Precedence of Documents
A. Should any provision or requirement of any Contract Document conflict with another provision or
requirement in the Contract Documents on subject matters of hazardous waste abatement, clean
up, disposal, or required safety standards or methods, then the most stringent provision or
requirement shall control.

1.04 Means and Methods of Construction
A. Nothing contained in these Contract Documents or inferable therefrom shall be deemed or
construed (1) to make Contractor the agent, servant or employee of City, or (2) to create any partnership, joint venture or other association between City and Contractor.

1.05 Control of the Work

A. City shall exercise administration of the Contract. The City may employ a consultant to assist. City reserves the right to assign or delegate to this consultant, or any other consultant ("Consultant") any or all of the responsibilities of the Architect/Engineer under the Contract Documents, or alternatively, to act as City's representative.

B. Contractor shall cooperate with Consultant as directed by City. Consultant's duties may include observing the Contractor's health and safety program and practices, observing the abatement construction activities, observing the contractor's abatement work practices for compliance with the Contract Documents, observing the extent of material removed from each job site, reviewing payment requests, reviewing reports required by governmental or quasi-governmental agencies or the Contract Documents, and providing clearance tests after abatement is completed. No action, omission to act, approval, or failure to advise Contractor as to any matter by Consultant shall in any way relieve the Contractor from its responsibility for the performance of the Work in strict accordance with the Contract Documents and applicable Law.

1.06 Warranty, Guarantee and Inspection of Work.

A. Contractor represents and warrants that it, its employees and its subcontractors and their employees, shall at all times have the required levels of familiarity with the Site and the Work, training and ability to comply fully with all applicable Law and contract requirements for safe and expeditious performance of the Work, including whatever training is or may be required regarding the activities to be performed (including, but not limited to, all training required to adequately address the actual or potential dangers of contract performance).

B. Contractor represents and warrants that it, its employees and its subcontractors and their employees, shall at all times have and maintain in good standing any and all certifications and licenses required by applicable federal, state and other governmental and quasi-governmental requirements applicable to the Work.

C. Contractor represents and warrants that it has studied carefully all requirements of the specifications regarding procedures for demolition, hazardous waste abatement, or safety practices, specified in this contract, and prior submitting its bid, has either (a) verified to its satisfaction that the specified procedures are adequate and sufficient to achieve the results intended by the Contract Documents, or (b) by way of approved "or equal" request or request for clarification and written Addenda, secured changes to the specified procedures sufficient to achieve the results intended by the Contract Documents. Contractor accepts the risk that any specified procedure will result in a completed project in full compliance with the contract requirements.

D. City reserves the right, in its sole discretion, to conduct air monitoring, earth monitoring, work monitoring, and any other tests (in addition to testing required under the agreement or applicable law), to monitor contract requirements of safe and statutory compliant work methods and (where applicable) safe re-entry level air standards under State and Federal law upon completion of the job, and compliance of the work with periodic and final inspection of public and quasi-public entities having jurisdiction.

E. Contractor acknowledges that City also has the right to perform, or cause to be performed, various activities and tests including, but not limited to, pre-abatement, during abatement and post-abatement air monitoring, provided that City shall have no obligation to perform said activities and tests, and that a portion of said activities and tests may take place prior to the completion of the Work by Contractor. In the event City elects to perform these activities and tests, Contractor shall afford City ample access to the Site and all areas of the Work as may be necessary for the performance of these activities and tests. Contractor will include the potential impact of these activities for tests by City in the Contract Sum and the Scheduled Completion Date. Contractor shall not be entitled to increases in the contract sum or any damages for delay in the event City elects to perform these activities and tests, provided any delays resulting therefrom are reasonable under the circumstances involved. Notwithstanding City's rights
granted by this paragraph, Contractor shall retain its own industrial hygiene consultant and shall have primary responsibility for collecting samples and perform all applicable, relevant or appropriate activities and tests including, but not limited to, pre-abatement, during abatement and post-abatement air monitoring, required or suggested by the Contract Documents, the Law, or both, and City reserves the right to request documentation of all such activities and tests performed by Contractor relating to the Work.

1.07  RECORDS
A. Contractor shall obtain and maintain and shall furnish to City on completion of the Work, or at any other time requested by City, all necessary permits, licenses, approvals, authorizations, notifications, training certificates, respirator certificates, reports, correspondence, test results, air monitoring certificates, forms, medical records, medical certificates, notes and photographs of work conditions, approved shipping and disposal facility receipts, manifests, and all other documentation required by the Contract Documents or applicable Law, or both.
B. Contractor shall provide City with copies of each such document as it is generated and shall, as a condition to final payment, provide City with a complete set of such documents (bound, organized and indexed) at the conclusion of the Work. Contractor shall keep and maintain in retrievable files true and correct copies of all such documents for a period of not less than thirty (30) years after final completion of the Work. City shall have the right to inspect or photocopy these records and, if Contractor should cease business operations, then it shall furnish these records to City.

1.08  Compliance with laws
A. Contractor represents that it is familiar with shall comply with all laws applicable to the Work or completed Work including, but not limited to, all federal, state and local laws, statutes standards, rules, regulations and ordinances applicable to the Work (collectively, the "Law") relating to:
1. the protection of the public health, welfare and environment;
2. storage, handling or use of asbestos, PCB, lead, petroleum based products or other hazardous materials;
3. the generation, processing, treatment, storage, transport, disposal, destruction or other management of asbestos, PCB, lead, petroleum or hazardous waste materials or other waste materials of any kind; or,
4. the protection of environmentally sensitive areas such as wetlands.
B. Contractor has the sole responsibility for determining current waste storage, handling, transportation and disposal regulations for the jobsite and for each waste disposal facility. Contractor must comply fully at its sole cost and expense with these regulations and any applicable Law. City, may, but is not obligated to, require submittals with this information for it to review consistent with the Contract Documents.
C. Contractor shall develop and implement a system acceptable to City to track hazardous waste from the site to disposals, including appropriate "Hazardous Waste Manifests" on the EPA form, so that City may track the volume of waste it put in each landfill and receive from each landfill a certificate of receipt.
D. Contractor shall provide City with the name and address of each waste disposal facility prior to any disposal, and City shall have the express right to reject any proposed disposal facility. Contractor shall not use any disposal facility to which City has objected. Contractor shall document actual disposal or destruction of waste at a designated facility by completing a disposal certificate or certificate of destruction forwarding the original to the general contractor.

1.09  Permits
A. Before performing any of the Work, and at such other times as may be required by applicable Law, Contractor shall deliver all requisite notices and obtain the approval of all governmental and quasi-governmental authorities having jurisdiction over the Work. Contractor shall submit evidence satisfactory to City that it and any disposal facility (1) have obtained all required permits, approvals and the like in a timely manner both prior to commencement of the Work and thereafter as and when required by applicable Law, and (2) are in compliance with all such permits,
approvals and the like. For example, before commencing any work in connection with the Work involving asbestos-containing materials or PCB subject to regulation, Contractor agrees to provide the required notice of intent to renovate or demolish to the appropriate state or federal agency having jurisdiction, by certified mail, return receipt requested, or by some other method of transmittal for which a return receipt is obtained, and to send a copy of that notice to City. Contractor shall not conduct any Work involving asbestos-containing materials or PCB unless Contractor has first confirmed that the appropriate agency having jurisdiction is in receipt of the required notification. All permits, licenses, bonds required by governmental or quasi-governmental authorities, fees, deposits, tap fees, offsite easements and asbestos and PCB disposal facilities necessary for the prosecution of the Work shall be procured and paid for by Contractor. Contractor shall give all notices and comply with the Law bearing on the conduct of the Work as drawn and specified. If Contractor observes or reasonably should have observed that Plans and Specifications and other Contract Documents are at variance therewith, it shall be responsible for promptly notifying City in writing of such fact. If Contractor performs any Work contrary to the Law without such notice to City, it shall bear all costs arising therefrom.

B. In the case of any permits or notices held in City's name or of necessity to be made in City's name, City shall cooperate with Contractor in securing the permit or giving the notice, but the Contractor shall prepare for City's review and execution upon approval, all necessary applications, notices and other materials.

1.10 Indemnification and Termination

A. To the extent permitted by law, the indemnities and limitations of liability expressed throughout the Contract Documents apply with equal force and effect to any claims or liabilities imposed or existing by virtue of the removal, abatement and disposal of hazardous waste. This includes liabilities connected to the selection and use of a waste disposal facility, personal injury, property damage, loss of use of property, damage to the environment or natural resources, or "disposal" and "release" of materials associated with the Work (as defined in 42 U.S.C. 9601 et seq).

B. Notwithstanding anything in Document 00 7200 to the contrary, City shall have an absolute right to terminate the Contractor's right to proceed with the Work for cause immediately, without ten calendar days notice and without an opportunity to cure, should Contractor knowingly or recklessly commit a material breach of the terms of the Contract Documents or the Law, on any matter involving the exposure of persons or property to hazardous waste. However, if the breach of contract exposing persons or property to hazardous waste is due solely to an ordinary, unintentional and non-reckless failure to exercise reasonable care, then the procedures in Document 00 7200, Article 14.05, shall apply without modification.

1.11 Protection of Work, Persons and Property

A. Contractor shall perform safe, expeditious and orderly work in accordance with the best practices and the highest standards in the hazardous waste abatement, removal and disposal industry, the Law (as herein defined), and the Contract Documents, including, but not limited to, all responsibilities relating to the preparation and return of waste shipment records, all requirements of the Law, delivering of all requisite notices, and obtaining all necessary governmental and quasi governmental approvals.
ARTICLE 1 – COMPLIANCE REQUIRED

1.01 Contractor and Subcontractors shall comply with the requirements of California Labor Code §§1776, 1777.5, and 1777.6 concerning the employment of apprentices by Contractor or Subcontractors. Willful failure to comply may result in penalties, including loss of the right to Bid on or receive public works contracts.

ARTICLE 2 – CERTIFICATION OF APPROVAL

2.01 California Labor Code §1777.5, as amended, requires a Contractor or Subcontractor employing tradespersons in any apprenticeable occupation to apply to the joint apprenticeship committee nearest the site of a public works project and which administers the apprenticeship program in that trade for a certification of approval. The certificate shall also fix the ratio of apprentices to journeypersons that will be used in performance of the Contract. The ratio of work performed by apprentices to journeypersons in such cases shall not be less than one hour of apprentices work for every five hours of labor performed by journeypersons (the minimum ratio for the land surveyor classification shall not be less than one apprentice for each five journeypersons), except:

A. When unemployment for the previous three month period in the area exceeds an average of 15 percent;
B. When the number of apprentices in training in the area exceeds a ratio of one to five;
C. When a trade can show that it is replacing at least 1/30 of its membership through apprenticeship training on an annual basis state-wide or locally; or
D. Assignment of an apprentice to any work performed under a public works contract would create a condition which would jeopardize his or her life or the life, safety, or property of fellow employees or the public at large or if the specific task to which the apprentice is to be assigned is of such a nature that training cannot be provided by a journeyperson.

ARTICLE 3 – FUND CONTRIBUTIONS

3.01 Contractor is required to make contributions to funds established for administration of apprenticeship programs if Contractor employs registered apprentices or journeypersons in any apprenticeable trade on such contracts and if other contractors on the public works site are making such contributions.

ARTICLE 4 – APPRENTICESHIP STANDARDS

4.01 Information relative to apprenticeship standards, wage schedules, and other requirements may be obtained from the Director of the California Department of Industrial Relations, or from the Division of Apprenticeship Standards and its branch offices.

END OF DOCUMENT
DOCUMENT 00 9113
ADDENDA

SPECIFICATION NO. 20-11382-C
CITY OF BERKELEY

STRAWBERRY CREEK PARK PLAY AREA AND RESTROOM RENOVATION PROJECT
1260 WEST STREET, BERKELEY, CA 94702

[DOCUMENT TO BE COMPLETED AS ADDENDA DURING BID PERIOD]

[If a conformed copy is created, delete bracketed line above and replace with the following:]

The following Addenda were issued, modifying the Project Manual:

Addendum No. 1, issued on [date]
Addendum No. 2, issued on [date]
[continue as appropriate]

(Addenda have been incorporated into the conformed Project Manual.)

END OF DOCUMENT
DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 1100

SUMMARY OF WORK

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes Summary of Work and Work Restrictions including:
   1. Work Covered By Contract Documents
   2. Bid Item, Allowances and Alternates
   4. Maintenance
   5. Work Under Other Contracts
   6. Future Work
   7. Work Sequence
   8. Work Days and Hours
   9. Shutdown for Discovery of Cultural Resources
   10. Cooperation of Contractor and Coordination with Other Work
   11. Partial Occupancy/Utilization Requirements
   12. Contractor Use of Site
   13. Air Quality Standards
   14. Construction Staking, Monument Protection and Replacement
   15. Geotechnical Data and Existing Conditions
   16. Protection of Existing Structures and Underground Facilities
   17. Permits
   18. Actual Damages for Permit Violations
   19. Reference Standards
   20. Products Ordered in Advance
   21. City-Furnished Products

1.02 WORK COVERED BY CONTRACT DOCUMENTS

A. Work comprises of the construction of City’s Strawberry Creek Park located at 1260 West Street, Berkeley, CA 94702. The Work includes, without limitation, removal and replacement of the 5-12 playground and restroom, and accessibility improvements. Contract Documents fully describe the Work.

B. The Work of this Contract comprises construction of all the Work indicated, described in the Specifications, or otherwise required by the Contract Documents. Unless provided otherwise in the Contract Documents, all risk of loss to Work covered by Contract Documents shall rest with Contractor until Final Acceptance of the Work. Cost of maintenance of systems and equipment prior to Final Acceptance will be considered as included in prices Bid and no direct or additional payment will be made therefore.

C. For all Bid items, furnish and install all Work, including connections to existing systems, indicated and described in Specifications and all other Contract Documents. Work and requirements applicable to each individual Bid item, or unit of Work, shall be deemed incorporated into the description of each Bid item (whether Lump Sum or Unit Price). Any Bid item may be deleted from the Work and Contract Sum, in total or in part, prior to or after award of Contract without compensation in any form or adjustment of other Bid items or prices therefore.

D. Allowance Work shall be done as Change Orders and as specified in Section 01 2600 (Modification Procedures). Identify Allowance Items (See Document 00 4113 [Bid Form]) work on
the Progress Schedules and on Applications for Payment. The Amount given on Document 00 4113 (Bid Form) under each Allowance Item is the sum of money set aside for each Allowance Item. These amounts shall be included in the Contract Sum on the Bid Form. If the cost of Work done under any Allowance Item is less than the amount given on the Bid Form under that Allowance Item, the Contract Sum shall be reduced by the difference between the amount given in the Bid Form and the cost of Work actually done.

1.03 BID ITEMS, ALLOWANCES AND ALTERNATES
   A. Descriptions of Lump Sum Items (listed by Bid item numbers):
      1. Mobilization – Work includes labor, equipment and materials to move the site as needed in order to commence work.
      2. Erosion Control – Work includes the purchase, delivery, installation and maintenance of BMP’s.
      3. Site Preparation – Work includes labor, materials and equipment needed for the demolition and removal of asphalt paving, existing play equipment, sand surfacing, drainage materials, rubber safety surfacing, retaining walls, posts and footing, concrete, restrooms, clear and grubbing, tree removal and other features as denoted in the plans.
      4. Modify Irrigation – Work includes labor, materials and equipment needed for the modification of the existing irrigation system at all areas of conflict.
      5. Tree Protection and Temporary Fencing - Work includes the purchase, delivery and installation of temporary site fencing and tree protection.
      7. Boulder Edge – Work includes the purchase, delivery and installation of boulder edge.
      8. Landscape Boulders – Work includes the purchase, delivery and installation of landscape boulders.
      9. Play Equipment – Work includes the purchase, delivery, installation and inspection of play equipment, mounting/footings and other equipment as denoted in the plans.
     12. Restroom Building – Work includes the purchase, delivery, installation, and certification of the pre-fabricated restroom including all appliances and equipment, substructure, and stub outs for utilities as denoted on the plans.
     13. Site Electrical – Work includes labor, materials and equipment needed for the modification and installation of the electrical service to provide power for the restroom building.
     14. Earthwork – Work includes labor, materials and equipment needed for the excavation, filling, moisture conditioning, off-haul and disposal of excess excavated material, if any, grading, and subgrade compaction for construction of pavements, cuts and fills, and site structures.
     15. Hot Mix Asphalt Paving – Work includes labor, materials and equipment needed for the placement of asphalt paving and base installation subsequent.
     16. Site Concrete – Work includes labor, materials and equipment needed for the placement of site concrete including walls, concrete paving, and base installation subsequent.
     17. Cement Stabilized DG Paving – Working includes labor, materials and equipment needed
for the placement of cement stabilized DG.

18. Site Furniture – Work includes the purchase, delivery and installation of bicycle racks, transfer stations, tables, benches, wood fiber surfacing, sand surfacing, boulders and related equipment and site furnishings.

19. Mulch – Work includes the labor, materials and equipment for the installation of mulch.

20. Tree – Work includes the purchase, delivery and installation of trees and establishment of rooting.

21. Sod – Work includes the labor, materials and equipment for the installation of sod and establishment of rooting.

22. Landscape Soil Preparation – Work includes the labor, equipment and materials for the organic amendments, plant pits, backfill, plant tablets and finish grading.

23. Junction Box – Work includes the purchase, delivery and installation of junction boxes for site storm drainage.

24. Sand Area Drain – Work includes the purchase, delivery and installation of sand area drain for site storm drainage.

25. Solid Drain – Work includes the purchase, delivery and installation of solid drain for site storm drainage.

26. Perforated Pipe – Work includes the purchase, delivery and installation of perforated pipe for site storm drainage.

B. Descriptions of Unit Price Items and Basis of Measurement for Payment (listed by Bid item numbers): N/A

C. Allowances: N/A

1. Scope of Allowances: N/A

D. Bid Alternates: N/A

1.04 CONTRACT DOCUMENT ORGANIZATION

A. The Drawings illustrate locations, arrangements, dimensions, and details to determine the general character of the Work. Parts not detailed shall be subject to the Architect’s approval. Where reasonably inferable that a Drawing illustrates only part of a given work on a number of items, the remainder shall be deemed repetitious and so construed. Drawings of greater scale take precedence over Drawings of lesser scale. Do not scale documents.

B. Drawings indicate general arrangement and location of such items as piping, conduit, apparatus, and equipment. Drawings and Specifications are for guidance of the Contractor and exact locations, distances, and levels will be governed by building site and actual building conditions. The Contractor shall make minor changes, as directed, to arrangements or locations shown in order to meet Structural or Architectural conditions.

C. Specifications describe performances and qualities required of materials and of methods. Items listed under each Section of the Specifications are not necessarily all inclusive. The Contractor shall be responsible for the complete work.

D. For convenience, Specifications are separated into topical divisions of work, each of which is further related to topical divisions under which it occurs. Such separation shall not be construed as an attempt by the Architect to establish limits of any agreements between the Contractor and his/her subcontractors.

E. Portions of these Specifications are of abbreviated, simplified type and may include incomplete sentences.
1. Omissions of words or phrases such as “the Contractor shall”, “in conformity with”, “shall be”, “as noted on the Drawings”, “in accordance with the details”, “a”, “the”, “all”, “any”, and “each” are intentional. Omitted words or phrases shall be supplied by inference.

2. Terms such as “approved”, “or approved equal”, “as directed”, “as required”, “as provided”, “acceptable”, and “satisfactory” mean by or to the Architect or the City.

3. Furnish: The term furnish means supply and deliver to the Project Site, ready for unloading, unpacking, assembly, installation, and similar operations.

4. Install: The term install describes operations at the Project Site, including the actual unloading, unpacking, assembly, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar ions.

5. Provide: The term provide means to furnish and install, complete and ready for the intended use.

F. Reference Standards

1. For products specified by association or trade standards, comply with requirements of the standard except where more rigid requirements are specified or are required by applicable codes.

2. The date of the standard is that in effect as of bid date except where specific date is specified.

1.05 MAINTENANCE

A. Cost of maintenance of systems and equipment prior to Final Acceptance will be considered as included in prices bid and no direct or additional payment will be made therefor.

1.06 WORK UNDER OTHER CONTRACTS

A. None expected

1.07 FUTURE WORK

A. None expected

1.08 WORK SEQUENCE

A. Construct Work in stages and at times to accommodate City operation requirements during the construction period; coordinate construction schedule and operations with City.

B. Special operational constraints include the following:

1. Material submittals shall be submitted within 10 days of Notice to Proceed, or at least 30 days prior to when the material is needed at the job site.

2. The following items have an anticipated lead time, the contractor shall plan accordingly to submit material submittals for review and approval by the City in advance of the work and when the material is needed on site.

   a) Play equipment and benches
   b) Restroom
   c) Other furnishings

1.09 WORK DAYS AND HOURS

A. Work Days and hours: Monday-Friday inclusive, 7:30 a.m.-5:00 p.m. local time.

B. Work at the Site on weekends or holidays is not permitted, unless Contractor requests otherwise from City in writing at least 48 hours in advance and City approves in its sole discretion.

1.10 SHUTDOWN FOR DISCOVERY OF CULTURAL RESOURCES

A. If discovery is made of items of historical archaeological or paleontological interest, immediately
cease all Work in the area of discovery. Archaeological indicators may include, but are not limited to, dwelling sites, locally darkened soils, stone implements or other artifacts, fragments of glass or ceramics, animal bones, human bones, and fossils. After cessation of excavation, immediately contact City. Do not resume Work until authorization is received from City. When resumed, excavation or other activities shall be as directed by City.

1.11 COOPERATION OF CONTRACTOR AND COORDINATION WITH OTHER WORK

A. Coordinate with City and any City forces, or other contractors and forces, as required by Document 00 7200 (General Conditions).

B. Contractor shall employ a full-time coordinator to constantly review Contract Documents, submittals, changes, and prepare overlay drawings as necessary to avoid conflicts, errors, omissions and untimely construction.

1.12 PARTIAL OCCUPANCY/UTILIZATION REQUIREMENTS

A. Allow City to take possession of and use any completed or partially completed portion of the Work during the progress of the Work as soon as is possible without interference to the Work.

B. Possession, use of Work, and placement and installation of equipment by City shall not in any way evidence the completion of the Work or any part of it.

C. Contractor shall not be held responsible for damage to the occupied part of the Work resulting from City occupancy.

D. Make available, in areas occupied, on a 24 hour per day and 7 day per week basis if required, any utility services, heating, and cooling in condition to be put in operation at the time of occupancy.

1. Responsibility for operation and maintenance of said equipment shall remain with Contractor.

2. Make, and City shall certify, an itemized list of each piece of equipment so operated with the date operation commences.

3. Itemized list noted above shall be basis for commencement of warranty period for equipment.

4. City shall pay for utility cost arising out of occupancy by City during construction.

E. Use and occupancy by City prior to acceptance of Work does not relieve Contractor of its responsibility to maintain insurance and bonds required under the Contract until entire Work is completed and accepted by City.

F. Prior to date of Final Acceptance of the Work by City, all necessary repairs or renewals in Work or part thereof so used, not due to ordinary wear and tear, but due to Defective materials or workmanship or to operations of Contractor, shall be made at expense of Contractor, as required in Document 00 7200 (General Conditions).

G. Use by City of Work or part thereof as contemplated by this Section 01 1100 shall in no case be construed as constituting acceptance of Work or any part thereof. Such use shall neither relieve Contractor of any responsibilities under Contract, nor act as waiver by City of any of the conditions thereof.

H. City may specify in the Contract Documents that portions of the Work, including electrical and mechanical systems or separate structures, shall be substantially completed on dates described in this Section 01 1100, if any, prior to Substantial Completion of all of the Work. Notify City in writing when Contractor considers any such part of the Work ready for its intended use and Substantially Complete and request City to issue a Certificate of Substantial Completion for that part of the Work.

1.13 CONTRACTOR USE OF SITE
A. Access is available to the Site from **West Street and Allston Way**. Contractor shall maintain a construction fence around the site and insert Contractor’s own lock in series with the City’s lock and ensure that the entrance is locked at the end of each work day and at other times as may be necessary to control unauthorized entry.

B. Confine operations at Site to areas permitted by Contract Documents, permits, ordinances, and laws. Do not unreasonably encumber Site with materials or equipment.

C. Assume full responsibility for protection and safekeeping of products stored on premises. Move any stored products that interfere with operations of City or other contractor.

D. Coordinate parking, storage, staging, and Work areas with City. City will review and approve the proposed storage area for Contractor’s equipment and materials. Do not store construction materials in the dripline of any tree.

E. Prior to commencement of Work or excavation, Contractor and City shall jointly survey the area adjacent to the Project area making permanent note and record of such existing damage such as cracks, sags or other similar damage. This record shall serve as a basis for determination of subsequent damage to structures, conditions or other existing improvements due to Contractor’s operations. All parties making the survey shall sign the official record of existing damage. Cracks, sags or damage of any nature to the adjacent Project area, not noted in the original survey but subsequently noted, shall be reported immediately to City.

F. The Contractor shall follow all city ordinances in force during the duration of this Contract.

G. It is essential that the Contractor perform the Work with as little interference and disturbance as possible to the surrounding neighborhood.

H. When suspect materials, outside the scope of Work, are encountered during the Work or restoration process, the Contractor shall immediately contact the Project Manager for evaluation and approval of the methods for dealing with the material.

**1.14 AIR QUALITY STANDARDS**

A. Ensure that idling time for all heavy equipment is minimized to reduce on-Site emissions.

B. Maintain equipment in good mechanical condition.

C. Cover trucks hauling dirt.

D. Limit dust emissions during periods of high winds (greater than 15 miles per hour).

E. Replace ground cover in disturbed areas as soon as possible.

F. Enclose, cover, water, or apply soil binders to exposed stockpiles.

G. Remove earth tracked onto neighboring paved roads at least once daily.

H. Limit equipment speed to 10 miles per hour in unpaved areas.

**1.15 CONSTRUCTION STAKING, MONUMENT PROTECTION AND REPLACEMENT**

A. Notify City at least three (3) Business Days prior to the need for initial staking. City will provide engineering surveys, City benchmarks, corner records, reference points, and/or monument cards that in City’s judgment are necessary to establish site elevations for the Contractor to establish construction stakes in order to enable Contractor to proceed with the Work.

B. If Contractor finds any additional information is necessary, notify City in writing 2 Business Days in advance. City shall have no liability for any inadequacy unless Contractor notifies City and City fails to cure within 3 Business Days of such notice.

C. Contractor shall be responsible for laying out the Work and provide all construction staking. Contractor shall replace or repair construction stakes at own expense.

D. Contractor shall perform brush clearing and traffic control, as necessary, in City’s sole judgment.
E. The Contractor shall protect and preserve all existing survey monuments, benchmarks, reference points, property monuments and stakes.

F. Whenever Contractor knows or reasonably should know that any Work activity is likely to damage or destroy any survey monuments, benchmarks, reference points, property monuments, or construction stakes, or require relocation because of necessary changes in grades or locations, provide at least 3 Business Days advance notice to City. Survey monuments, benchmarks, reference points and property monuments shall not be disturbed until authorized by the City.

G. Whenever the Contractor disturbs or removes any survey monuments, benchmarks, reference points, or property monuments, the Contractor shall replace the monument in accordance with City Standard Plan 8090 or City Standard Plan 8091, as applicable. Standard Plans are available upon request. Monument casings (boxes and lids) shall be provided by the Contractor, and dome brass markers shall be supplied by the City.

H. In the event that any non-referenced monuments become in danger of being disturbed due to construction, the Contractor shall cease the threatening activity and notify the City immediately. Response to endangered monuments is a priority call, and each monument shall be referenced in accordance with the City of Berkeley Monument Reference Guidelines, available upon request. In no case may an unreferenced monument be damaged during construction.

I. Should any monument not designated for replacement sustain damage during construction, the Contractor shall bear the expense for rebuilding it as well as for the survey work the City survey crew or its survey consultant must perform in the process. In any instance where the City deems a damaged monument to be irreplaceable, the contractor shall be fined $20,000 per monument.

J. Monument replacement must be done in a neat, workman-like manner. Pavement cuts shall be accurate, with vertical cuts to exact dimensions as shown on the Standard Plans. Monument boxes and lids shall be placed at the proper finished grade and as detailed by Standard Plan 8090 or Standard Plan 8091. Existing monument lids shall be salvaged by the Contractor and delivered to the City.

K. Each replacement monument shall be constructed such that the center of the dome brass marker is set within 0.04 foot of the referenced position. The new dome brass marker shall not receive final punching prior to seven (7) calendar days after completion of the monument construction.

L. In any event, notify City whenever any survey monuments, benchmarks, reference points, or property monuments are lost or destroyed or require relocation because of necessary changes in grades or locations.

M. If the City has elected to reference known monuments around or within the project site, a copy of the corner records for the referenced monuments shall be provided to the Contractor prior to the start of construction. For each monument that has been disturbed or removed, the replacement monument location(s) will be established by the City’s survey crew or its survey consultant after final pavement is completed and upon request by the Contractor.

N. All City of Berkeley Monuments located within the project area must be referenced, prior to work commencing, by a licensed land surveyor as required by Section 8771 of the Business and Professions Code. Corner Records of this work must be submitted for filing to both the County Surveyor of Alameda County, and the City of Berkeley, Public Works Department, Engineering Division, Survey Section.

O. Illegible survey requests or requests without proper notification (at least 3 Business Days in advance), may result in delayed response. No extension of Contract Time will be allowed due to such delays.

1.16 GEOTECHNICAL DATA AND EXISTING CONDITIONS

A. Available Documentation: In accordance with, and subject to, the provisions of Document 00 3132 (Geotechnical Data and Existing Conditions), the following documentation is available for review. This information is not part of the Contract Documents.
1. **PROTECTION OF EXISTING STRUCTURES AND UNDERGROUND FACILITIES**

   A. The Drawings may indicate existing above- and below-grade structures, drainage lines, storm drains, sewers, water lines, gas lines, electrical lines, hot water lines, and other similar items and Underground Facilities that are known to City. At least (2) two Business Days, or as otherwise noted, prior to commencement of excavation, notify the owners of the following Underground Facilities:

   1. **Water lines**: EBMUD
   2. **Sewer lines**: Berkeley Public Works Department
   3. **Telephone Conduit**: Telephone Provider
   4. **Cable**: Cable Provider
   5. **Electrical Lines**: PG&E

   B. Where overhead service to a structure, known to receive service, does not exist, then underground service shall be assumed to exist.

   C. Attention is also directed to the existence of overhead power and telephone lines.

   D. Perform pot-holing by hand within 24 inches (in any direction) of the Underground Facilities. This may be done on an area-by-area basis, but shall be accomplished at least 7 calendar days in advance of the date of construction within such area.

   E. No attempt has been made to locate utilities on private property such as sprinkler irrigation systems or electrical conduits on the project site or adjacent property. Contractor is responsible for contacting all property owners as necessary, and locating and marking utilities in the vicinity of the work prior to construction.

   F. In addition to reporting, if a utility is damaged, Contractor must take appropriate action as provided in Document 00 7200 (General Conditions).

   G. Additional compensation or extension of time on account of utilities not indicated or otherwise brought to Contractor’s attention including reasonable action taken to protect or repair damage shall be determined as provided in Document 00 7200 (General Conditions).

1.18 **PERMITS**

   A. Permits, agreements, or written authorizations that are known by City to apply to this Project are listed below:

   1. **Storm Water Pollution Prevention**
   2. **Cal/OSHA Permit**. Obtain, as applicable, permit(s) as required by Cal/OSHA for the following:
   3. **Berkeley Building Permit – B2020-0152/B2020-0153**

      a. Construction of trenches or excavations that are five feet or more in depth and into which a person is required to descend.
      b. Construction or demolition of any building, structure, or scaffolding for falsework more than three stories high, or the equivalent height (36 feet).
c. Erection or dismantling of vertical shoring systems more than three stories high, or the equivalent height (36 feet).

4. The local Cal/OSHA district office is located at:

   CAL/OSHA Headquarters
   1515 Clay Street, Suite 1901
   Oakland, CA 94612
   (510) 286-7037

B. All other permits that may be required, such as electrical, mechanical, fire prevention, irrigation, grading, slope protection, tree cutting, etc., have not been applied for and shall be obtained by Contractor. Applicable permit fees will be reimbursed to the extent specified in Document 00 7200 (General Conditions).

1.19 ACTUAL DAMAGES FOR PERMIT VIOLATIONS

A. In addition to damages which are impracticable or extremely difficult to determine, for which liquidated damages will be assessed as described in Document 00 5200 (Agreement) and Document 00 7200 (General Conditions), City may incur actual damages, including fines imposed by any regulatory agency, from use in violation of legal or regulatory requirements where the violations result from Contractor’s activities. Continuous operation in compliance with legal or regulatory requirements is essential to avoid discharges that would violate applicable regulations. Violations or threatened violations may subject City to fines and/or other costs or civil liabilities.

B. Contractor shall be liable for and shall pay City the amount of any actual losses in addition to liquidated damages or other remedies provided by the Contract Documents.

C. The amount of liquidated damages provided in Document 00 5200 (Agreement) and Document 00 7200 (General Conditions) is not intended to include, nor does the amount include, any damages incurred by City for reasons other than those listed in that paragraph. Any money due or to become due to Contractor may be retained by City to cover both the liquidated and the actual damages described above and, should such money not be sufficient to cover such damages, City shall have the right to recover the balance from Contractor or its sureties.

PART 2 - PRODUCTS

2.01 REFERENCE STANDARDS

A. For products specified by association or trade standards, comply with requirements of standard, except where more rigid requirements are specified or are required by applicable codes.

2.02 PRODUCTS ORDERED IN ADVANCE

A. As provided in Document 00 7200 (General Conditions) and Section 01 2000 (Measurement and Payment), and subject to all other provisions of the Contract Documents, City will pay for the following materials and equipment prior to incorporation into the Work:

   1. None

2.03 CITY-FURNISHED PRODUCTS

A. City-Furnished Products:

   1. None

B. City’s Responsibilities:

   1. Arrange for and deliver City-reviewed Shop Drawings, Product Data, and Samples, to Contractor.

   2. Arrange and pay for delivery to Site.
3. On delivery, inspect products jointly with Contractor.
4. Submit claims for transportation damage and replace damaged, Defective, or deficient items.
5. Arrange for manufacturers’ warranties, inspections, and service.

C. Contractor's Responsibilities:
1. Review City-reviewed Shop Drawings, Product Data, and Samples.
2. Receive and unload products at Site; inspect for completeness or damage jointly with City.
3. Handle, store, install, and finish products.
4. Repair or replace items damaged after receipt.
5. Install into Project per Contract Documents.

PART 3 - EXECUTION – NOT USED

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DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 2000

MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.01 SUMMARY
A. Section includes description of requirements and procedures for determining amount of Work performed and for obtaining payment for Work performed.

1.02 REFERENCES
A. California Public Contract Code
B. Code of Civil Procedures
C. Government Code

1.03 COMPOSITION AND SCOPE OF CONTRACT SUM
A. Scope of Contract Sum
   1. The Contract Sum for performance of the Work under Contract Documents, or under any Bid item, allowance, or Alternate, shall include full compensation for all Work required under the Contract Documents, including without limitation, all labor, materials, taxes, transport, handling, storage, supervision, administration, and all other items necessary for the satisfactory completion of the Work, whether or not expressly specified or indicated, incidental work and unexpected expenses, and all terms, conditions, requirements and limitations set forth in the Contract Documents.
   2. Contract Sum may be expressed as lump sum, unit price, GMP, allowance, or combination thereof.

B. Unit Price items
   1. Quantity of Work to be paid for under any item for which a unit price is fixed in Contract Documents shall be determined by City based on, so far as practicable, actual number of units satisfactorily completed, as determined by City and certified by Contractor, within prescribed or ordered limits, and no payment will be made for Work unsatisfactorily performed or done outside of limits.
   2. Unit Prices shall apply to Work covered by unit prices so long as actual quantities performed on the Project are not less than 75 percent or greater than 125 percent of the estimated quantities bid or otherwise stated in the Contract Documents. If actual quantities exceed these parameters, then the unit price shall be adjusted by an amount to reflect the Contractor’s incremental cost differential resulting from increased or decreased economies of scale.

C. Lump Sum Items
   1. When estimated quantity for specific portion of Work is not indicated and/or Work is designated as lump sum, payment will be on a lump sum basis for Work satisfactorily completed in accordance with Contract Documents.
   2. Payment for lump sum Work, or items of Work subject to a lump sum (e.g. without limitation, change order work), shall be made on the basis of satisfactory completion of such Work or work item, earned in progressive stages in accordance with the Contract Documents, up to but not exceeding the Contractor’s percentage completion of the Work or item.
3. Lump sum items shall be paid based upon the approved Schedule of Values, which shall be used to measure progressive payments based upon satisfactory progress towards completion of the item.

D. Allowance Items

1. Allowances: Allowance Work will be authorized by City in writing, following change order procedures to determine cost, supporting documentation and authorization to proceed. Unused allowance amounts at Contract completion shall reduce the Contract price accordingly.

1.04 PAYMENT PROCEDURES

A. Schedule of Values:

1. Within ten calendar days from issuance of Notice of Award and prior to the Contractor’s first Application for Payment, Contractor shall submit a detailed breakdown of its Bid by scheduled Work items and/or activities, including coordination responsibilities and Project Record Documents responsibilities. Where more than one Subcontractor comprises the work of a Work item or activity, the Schedule of Values shall show a separate line item for each subcontract. Contractor shall furnish such breakdown of the total Contract Sum by assigning dollar values (cost estimates) to each applicable Progress Schedule network activity, which cumulative sum equals the total Contract Sum. This breakdown shall be referred to as the Schedule of Values.

2. Contractor’s overhead, profit, insurance, cost of bonds (except to the extent expressly identified in a Bid item) and/or other financing, as well as “general conditions costs,” (e.g., Site cleanup and maintenance, temporary roads and access, off-Site access roads, temporary power and lighting, security, and the like), shall be prorated through all activities so that the sum of all the Schedule of Values line items equals Contractor’s total Contract Sum, less any allowances designated by City. Scheduling, record documents and quality assurance control shall be separate line items.

3. City will review the breakdown in conjunction with the Progress Schedule to ensure that the dollar amounts of this Schedule of Values are, in fact, reasonable cost allocations for the Work items listed. Upon favorable review by City, City will accept this Schedule of Values for use. City shall be the sole judge of fair market cost allocations.

4. City will reject any attempt to increase the cost of early activities, i.e., “front loading,” resulting in a complete reallocation of moneys until such “front loading” is corrected. Repeated attempts at “front loading” may result in suspension or termination of the Work for default, or refusal to process progress payments until such time as the Schedule of Values is acceptable to City.

B. Contractor’s Requests for Progress Payments

1. If requested by Contractor, progress payments will be made monthly, under the following conditions:

2. On or before the 25th Day of each month, Contractor shall submit to City five copies of an Application for Payment for the cost of the Work put in place during the period from the last Day of the previous month to the end of the current month, along with one copy of an updated Progress Schedule. Such Applications for Payment shall be for the expected total value of activities completed or partially completed, based upon Schedule of Values prices (or Bid item prices if unit price) of all labor and materials incorporated in the Work up until midnight of the last Day of that one month period, less the aggregate of previous payments. Accumulated retainage shall be shown as separate item in payment summary. City and Contractor will reconcile any differences in the field, based on the reconciled monthly report sheets. If Contractor is late submitting its Application for Payment, that Application may be processed at any time during the succeeding one-month period, resulting in processing of Contractor’s
Application for Payment being delayed for more than a Day for Day basis.

3. Except as otherwise provided in a labor compliance program applicable to the Work (if any) or as otherwise required by City, concurrently with each Application for Payment, Contractor shall submit to the City the Contractor’s and its Subcontractors’ certified payroll records required to be maintained pursuant to Labor Code Section 1776 for all labor performed during pay periods ending during the period covered by the Application for Payment.

4. No progress payment will be processed prior to City receiving all requested, acceptable schedule update information and certified payrolls, and in City’s sole and absolute discretion, City may deny the entire Application for Payment for noncompliance.

5. Each Application for Payment shall list each Change Order and Construction Change Directive (“CCD”) executed prior to date of submission, including the Change Order/CCD Number, and a description of the Work activities, consistent with the descriptions of original Work activities. Contractor shall submit a monthly Change Order/CCD status log to City.

6. If City requires substantiating data, Contractor shall submit information requested by City, with cover letter identifying Project, Application for Payment number and date, and detailed list of enclosures. Contractor shall submit one copy of substantiating data and cover letter for each copy of Application for Payment submitted.

7. If Contractor fails or refuses to participate in monthly Work reconciliations or other construction progress evaluation with City, Contractor shall not receive current payment until Contractor has participated fully in providing construction progress information and schedule update information to City.

C. City’s Review of Progress Payment Applications

1. City will review Contractor’s Application for Payment following receipt and during the Progress Schedule and Billing Meeting. If adjustments need to be made to percent of completion of each activity, City will make appropriate notations and return to Contractor. Contractor shall revise and resubmit. All parties shall update percentage of completion values in the same manner, i.e., express value of an accumulated percentage of completion to date.

2. If City determines that portions of the Application for Payment are not proper or not due under the Contract Documents, then City may approve the other portions of the Application for Payment, and in the case of disputed items or Defective Work not remedied, may withhold up to 150 percent of the disputed amount from the progress payment.

3. Pursuant to California Public Contract Code §20104.50, if City fails to make any progress payment within 30 calendar days after receipt of an undisputed and properly submitted Application for Payment from Contractor, City shall pay interest to the Contractor equivalent to the legal rates set forth in subdivision (a) of Section 685.010 of the California Code of Civil Procedure. The 30-Day period shall be reduced by the number of calendar days by which City exceeds the seven-Day return requirement set forth herein.

4. As soon as practicable after approval of each Application for Payment for progress payments, City will pay to Contractor in manner provided by law, an amount equal to 95 percent of the amounts otherwise due as provided in the Contract Documents, or a lesser amount if so provided in Contract Documents and by law, provided that payments may at any time be withheld if, in judgment of City, Work is not proceeding in accordance with Contract, or Contractor is not complying with requirements of Contract, or to comply with stop notices or to offset liquidated damages accruing or expected. In City’s sole discretion, if Contractor has failed to comply with either its Progress Schedule update or project record documents requirements, City may retain an
additional 5% of any earned amounts until such requirements are satisfied.

5. Before any progress payment or final payment is due or made, Contractor shall submit satisfactory evidence that Contractor is not delinquent in payments to employees, Subcontractors, suppliers, or creditors for labor and materials incorporated into Work. This specifically includes, without limitation, conditional lien release forms for the current progress payment and unconditional release forms for past progress payments. This also includes copies of certified payroll from contractor and subcontractors for the current payment period.

D. Payment for Material and Equipment Not Yet Incorporated Into the Work

1. No payment shall be made for materials or equipment not yet incorporated into the Work, except as specified elsewhere in the Contract Documents or as may be agreed to by City in its sole discretion. Where Contractor requests payment on the basis of materials and equipment not incorporated in the Work, Contractor must satisfy the following conditions:

2. The materials and/or equipment shall be delivered and suitably stored at the Site or at another local location agreed to in writing, for example, a mutually acceptable bonded and insured warehouse.

3. Full title to the materials and/or equipment shall vest in City at the time of delivery to the Site, warehouse or other storage location. Obtain a negotiable warehouse receipt, endorsed over to City for materials and/or equipment stored in an off-site warehouse. No payment will be made until such endorsed receipts are delivered to City.

4. Stockpiled materials and/or equipment shall be available for City inspection, but City shall have no obligation to inspect them and its inspection or failure to inspect shall not relieve Contractor of any obligations under the Contract Documents. Materials and/or equipment shall be segregated and labeled or tagged to identify these specific Contract Documents.

5. After delivery of materials and/or equipment, if any inherent or acquired defects are discovered, defective materials and/or equipment shall be removed and replaced with suitable materials and/or equipment at Contractor’s expense.

6. At Contractor’s expense, insure the materials and/or equipment against theft, fire, flood, vandalism, and malicious mischief, as well as any other coverages required under the Contract Documents.

7. Contractor’s Application for Payment shall be accompanied by a bill of sale, invoice or other documentation warranting that City has received the materials and equipment free and clear of all liens and evidence that the materials and equipment are covered by appropriate property insurance and other arrangements to protect City interest therein, all of which must be satisfactory to City. This documentation shall include, but not be limited to, conditional releases of mechanics’ liens and stop notices from all those providing materials and equipment as to which the Application for Payment relates, as well as unconditional releases of the same from the same as to the previous Application for Payment for which they have not already been provided. Amounts previously paid for materials and equipment prior to incorporation into the Work shall be deducted from amounts otherwise due Contractor as they are incorporated.

1.05 FINAL PAYMENT

A. Final Payment

1. As soon as practicable after all required Work is completed in accordance with Contract Documents, including punchlist, testing, record documents and Contractor maintenance after Final Acceptance, Contractor shall submit its Application for Final Payment.

2. Provided Contractor has met all conditions required for Final payment, City will pay to
Contractor, in manner provided by law, unpaid balance of Contract Sum of Work (including, without limitation, retentions), or whole Contract Sum of Work if no progress payment has been made, determined in accordance with terms of Contract Documents, less sums as may be lawfully retained under any provisions of Contract Documents or by law.

B. Final Accounting

1. Prior progress payments and change orders shall be subject to audit and correction in the final payment.

2. Contractor and each assignee under an assignment in effect at time of final payment shall execute and deliver at time of final payment, and as a condition precedent to final payment, Document 00 6530 (Agreement and Release of Claims).

1.06 SUBSTITUTION OF SECURITIES

A. Public Contract Code Section 22300. In accordance with the provisions of Public Contract Code Section 22300, substitution of securities for any moneys withheld under Contract Documents to ensure performance is permitted under following conditions:

1. At request and expense of Contractor, securities listed in Section 16430 of the Government Code, bank or savings and loan certificates of deposit, interest bearing demand deposit accounts, standby letters of credit, or any other security mutually agreed to by Contractor and City which are equivalent to the amount withheld under retention provisions of Contract shall be deposited with Controller or with a state or federally chartered bank in California, as the escrow agent, who shall then pay such moneys to Contractor. Upon satisfactory completion of Contract, securities shall be returned to Contractor.

2. Alternatively, Contractor may request and City shall make payment of retentions earned directly to the escrow agent at the expense of Contractor. At the expense of Contractor, Contractor may direct the investment of the payments into securities and receive the interest earned on the investments upon the same terms provided for securities deposited by Contractor. Upon satisfactory completion of the work of the Contract Documents, Contractor shall receive from escrow agent all securities, interest, and payments received by the escrow agent from City. Contractor shall then pay to each Subcontractor, not later than 10 calendar days after receipt of the payment, the respective amount of interest earned, net of costs attributed to retention withheld from each Subcontractor, on the amount of retention withheld to insure the performance of Contractor.

3. Contractor shall be beneficial owner of securities substituted for moneys withheld and shall receive any interest thereon.

4. Contractor may enter into an escrow agreement, form included in Contract Documents, as authorized under Public Contract Code Section 22300, specifying amount of securities to be deposited, terms and conditions of conversion to cash in case of default of Contractor, and termination of escrow upon completion of Contract Documents.

5. Public Contract Code Section 22300, in effect on Bid Day, is hereby incorporated in full by this reference and shall supersede anything inconsistent therewith.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION
DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 2600

MODIFICATION PROCEDURES

PART 1 - GENERAL

1.01 SUMMARY
A. Section includes requirements that supplement the paragraphs of Document 00 7200 (General Conditions).
B. Description of procedures for modifying the Contract Documents and determining costs for changes in contract amounts.

1.02 PROCEDURES FOR CONTRACTOR INITIATED CHANGE ORDER
A. Contractor-Initiated Change Proposal Request (CPR) and Procedures:
1. Contractor may initiate changes by submitting a Change Proposal Request ("CPR").
2. Whenever Contractor elects or is entitled to submit a CPR, Contractor shall prepare and submit to City for consideration a CPR using the form included in this Project Manual. All CPRs must contain a complete breakdown of costs of credits, deducts and extras; itemizing materials, labor, taxes, Markup and any requested changes to Contract Time. All Subcontractor Work shall be so indicated. Individual entries on the CPR form shall include applicable Schedule of Values code, with all amounts determined as provided herein. After receipt of a CPR with a detailed breakdown, City will act promptly thereon.
3. If City accepts a CPR, City will prepare a Change Order for City and Contractor signatures.
4. If CPR is not acceptable to City because it does not agree with Contractor's proposed cost and/or time, City will provide comments thereto. Contractor will then, within seven (7) calendar days (except as otherwise provided herein), submit a revised CPR.
5. When necessity to proceed with a change does not allow City sufficient time to conduct a proper check of a CPR (or revised CPR), City may issue a Change Directive (CD) as provided below.
B. Contractor-Initiated Request for Information (RFI) Procedures, Requirements and Limitations:
1. Contractor may submit RFI’s for clarifications in City-prepared Contract Documents, which may result in the Contractor submitting a CPR.
2. Whenever Contractor requires information regarding the Project or City-prepared Contract Documents, or receives a request for such information from a Subcontractor, Contractor may prepare and deliver an RFI to City. Contractor shall use RFI format provided on approval by City. Contractor shall reference each RFI to an activity on the Progress Schedule and shall note time criticality of the RFI, indicating time within which a response is required. Contractor's failure to reference RFI to an activity on the Progress Schedule and note time criticality on the RFI shall constitute Contractor's waiver of any claim for time delay or interruption to the Work resulting from any delay in responding to the RFI.
3. Contractor shall be responsible for its costs to implement and administer RFIs throughout
the Contract duration. Regardless of the number of RFIs submitted, Contractor shall not be entitled to additional compensation for the effort required to submit the RFIs. Contractor shall be responsible for City's administrative costs for answering RFIs where the answer could reasonably be found by reviewing the Contract Documents, as determined by City; at City discretion, such costs may be deducted from progress payments or final payment.

4. City will respond within ten (10) calendar days from receipt of RFI with a written response to Contractor. Contractor shall distribute response to all appropriate Subcontractors.

5. If Contractor is satisfied with the response and does not request a change in Contract Sum or Contract Time, then the response shall be executed without a change.

6. If Contractor believes the response is incomplete, Contractor shall issue another RFI (with the same RFI number with the letter "A" indicating it is a follow-up RFI) to City clarifying original RFI. Additionally, City may return RFI requesting additional information should original RFI be inadequate in describing condition.

C. Time Requirements:

1. If Contractor believes that a City response to an RFI, submittal or other City direction, results in change in Contract Sum or Contract Time, Contractor shall notify City with the issuance of a preliminary CPR within ten calendar days after receiving City's response or direction, and in no event after starting the disputed work or later than the time allowed under Article 12 of Document 00 7200 (General Conditions). If Contractor also requests a time extension, or has issued a notice of delay or otherwise requests a time extension with a CPR, then Contractor shall submit a Time Impact Evaluation (TIE) required herein concurrently with the CPR and in no event later than ten calendar days after providing the notice of delay.

2. If Contractor requires more time to accurately identify the required changes to the Contract Sum or Contract Time, Contractor may submit an updated and final CPR and TIE within 14 calendar days of submitting the preliminary CPR.

3. If City agrees with Contractor's CPR and/or TIE, then City will prepare a Change Order for City and Contractor signatures. If City disagrees with Contractor, then Contractor may give notice of potential claim as provided in Article 12 of Document 00 7200 (General Conditions), and proceed thereunder.

4. Contractor must submit CPRs, notices of potential claim or Claims within the required time periods. Any failure to do so waives Contractor's right to submit a CPR or file a Claim.

D. Cost Estimate Information:

1. Contractor and subcontractors shall, upon City’s request, permit inspection of the original unaltered cost estimates, subcontract agreements, purchase orders relating to the change, and documents substantiating all costs associated with its CPR or Claims arising from changes in the Work.

1.03 PROCEDURES FOR CITY INITIATED CHANGE ORDERS

A. City Initiated Change Directives (CD):

1. City may, by Change Directive (“CD”) or initially by Instruction Bulletin or by following the procedures for disputed work herein, order changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions, with or without adjustment to Contract Sum or Contract Time.

2. If at any time City believes in good faith that a timely Change Order will not be agreed upon using the foregoing procedures, or at any other time, City may issue a CD with its recommended cost and/or time adjustment (if any). Upon receipt of CD, Contractor shall promptly proceed with the change of Work involved and respond to City within ten
(10) calendar days.

3. Contractor’s response must be any one of following:
   a. Return CD signed, thereby accepting City response, including adjustment to time and cost (if any).
   b. Submit a (revised if applicable) Cost Proposal with supporting documentation (if applicable, reference original Cost Proposal number followed by letter A, B, etc. for each revision), if City so requests.
   c. Give notice of intent to submit a claim as described in Article 12 of Document 00 7200 (General Conditions), and submit its claim as provided therein.

4. If CPR or the CD provides for an adjustment to any Contract Sum, the adjustment shall be based on one of the following methods:
   a. Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation.
   b. Contractor to proceed on cost reimbursable (force account) basis while negotiating towards a firm price.
   c. Cost to be determined in a manner agreed.

5. Change Directive signed by Contractor indicates the agreement of Contractor therewith, including adjustment in Contract Sum or the method for determining them. Such agreement shall be effective immediately and shall be finalized as a Change Order. Where City authorizes CD work on a time and materials basis up to a maximum amount, then Contractor shall promptly advise City upon reaching 75% of such maximum amount, otherwise Contractor shall accept fully the risk of completing the CD work without exceeding such maximum amount.

6. If Contractor does not respond promptly or disagrees with the method for adjustment (or non-adjustment) in the Contract Sum, the method and the adjustment shall be determined by City on the basis of the Contract Documents and the reasonable expenditures and savings of those performing the Work attributable to the change. If the parties still do not agree on the proper adjustment due to a Change Directive, Contractor may file a Claim per Article 12 of Document 00 7200 (General Conditions) and/or City may direct the changed work through a unilateral change order. Contractor shall keep and present an itemized accounting in a manner consistent with the SOV, together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this paragraph shall be limited to those provided herein.

7. Pending final determination of cost to City, Contractor may include amounts not in dispute in its Applications for Payment. The amount of credit to be allowed by Contractor to City for a deletion or change which results in a net decrease in the Contract Sum shall be actual net cost as confirmed by City. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for Markup shall be figured on the basis of net increase, if any, with respect to that change.

B. City Initiated Change Order (CO) or Request for Proposal (RFP):

   1. City may initiate changes in the Work or Contract Time by issuing a Request for Proposal (“RFP”) or Change Order (“CO”) to Contractor.
   2. City may issue an RFP to Contractor. Any RFP will detail all proposed changes in the Work and request a quotation of changes in Contract Sum and Contract Time from Contractor.
   3. In response to an RFP, Contractor shall furnish a Change Proposal Request (CPR) within twenty-one (21) Business Days of City’s RFP. Upon approval of CPR, City may issue a Change Directive directing Contractor to proceed with extra Work.
4. If the parties agree on price and time for the work, the City will issue a Contact Change Order. If the parties do not agree on the price or time for a CPR, City may either issue a CD or decide the issue per Article 12 of Document 00 7200 (General Conditions). Contractor shall perform the changed Work notwithstanding any claims or disagreements of any nature.

1.04 PROCEDURES THAT APPLY TO CONTRACTOR- AND CITY-INITIATED CHANGE ORDERS

A. Adjustment of Schedules to Reflect Change Orders or CDs:

1. Contractor shall revise Schedule of Values and Application for Payment forms to record each authorized Change Order or CD as a separate line item and adjust the Contract Sum as shown thereon prior to the next monthly pay period.

2. Contractor shall revise the Progress Schedules prior to the next monthly pay period, to reflect CO or CD.

3. Contractor shall enter changes in Project Record Documents prior to the next monthly pay period.

B. Required Documentation for Adjustments to Contract Amounts:

1. For all changes and cost adjustments requested, Contractor shall provide documentation of change in Contract Amounts asserted, with sufficient data to allow evaluation of the proposal.

2. In all requests for compensation, cost proposals, estimates, claims and any other calculation of costs made under the Contract Documents, Contractor shall breakout and quantify costs of labor, equipment and materials identified herein, for Contractor and subcontractors of any tier.

3. Contractor shall, on request, provide additional data to support computations for:
   a. Quantities of products, materials, labor and equipment.
   b. Taxes, insurance, and bonds.
   c. Justification for any change in Contract Time and new Progress Schedule showing revision due, if any.
   d. Credit for deletions from Contract, similarly documented.

4. Contractor shall support each claim or computation for additional cost, with additional information including:
   a. Origin and date of claim or request for additional compensation.
   b. Dates and times Work was performed and by whom.
   c. Time records and wage rates paid.
   d. Invoices and receipts for products, materials, equipment and subcontracts, similarly documented.
   e. Credit for deletions from Contract, similarly documented.

C. Responses and Disputes:

1. For all responses for which the Contract Documents do not provide a specific time period, recipients shall respond within a reasonable time.

2. For all disputes arising from the procedures herein, Contractor shall follow Article 12 of Document 00 7200 (General Conditions).

1.05 COST DETERMINATION FOR CHANGES IN CONTRACT AMOUNTS

A. Calculation of Total Cost of Extra Work:

1. Total cost of changed Work, extra Work or of Work omitted shall be the sum of three components defined immediately below as: Component 1 (Direct Cost(s)); Component 2 (Markup); and, Component 3 (bonds, insurance, taxes)
2. Component 1: Direct Cost(s) of labor, equipment and materials, is calculated based upon actually incurred (or omitted) labor costs, material costs and equipment rental costs, as defined herein;

3. Component 2: Markup on such actually incurred Direct Costs, is applied in the percentages identified below; and

4. Component 3: Actual additional costs for any additionally required insurance, bonds, and/or taxes, defined herein, is calculated without Markup.

1.06 MEASUREMENT OF DIRECT COST OF CONSTRUCTION (COST COMPONENT NO. 1)

A. Composition of Component 1 (Direct Cost of Construction):

1. Component 1 has four subcomponents, also referred to as “LEMS”:
   a. Labor (Component 1A)
   b. Equipment (Component 1B)
   c. Materials (Component 1C)
   d. Subcontractors (Component 1D)

B. Measurement of Cost of Labor (Component 1A):

1. Cost of Labor shall be calculated as: Cost of labor for workers (including forepersons when authorized by City) used in actual and direct performance of the subject work, whether employer is Contractor, Subcontractor or other forces, in the sum of the following:
   a. Actual Wages: Actual wages paid shall include any employer payments to or on behalf of workers for health and welfare, pension, vacation, and similar purposes.
   b. Labor surcharge: Payments imposed by local, county, state, and federal laws and ordinances, and other payments made to, or on behalf of, workers, other than actual wages as defined, such as worker’s compensation insurance. Such labor surcharge shall not exceed generally accepted standards in the State for labor rates in effect on date upon which extra Work is accomplished.
   c. Cost of labor shall include no other costs, fees or charges.

2. Labor cost for operators of equipment owned and operated by Contractor or any Subcontractor, shall be no more than rates of such labor established by collective bargaining agreements for type of worker and location of Work, whether or not owner-operator (i.e., Contractor or Subcontractor) is actually covered by such an agreement.

3. Cost of labor shall be recorded and documented in certified payroll records, maintained in the form customary and/or required in the State, delivered to City weekly.

C. Measurement of Cost of Equipment (Component 1B):

1. Measurement of Component 1B (Cost of Equipment). Cost of Equipment shall be calculated as: Cost of Equipment used in actual and direct performance of the subject work, whether by Contractor, Subcontractor or other forces. Cost of Equipment shall be calculated as herein described.

2. For rented equipment, cost will be based on actual rental invoices, appropriate for the use and duration of the work. Equipment used on extra Work shall be of proper size and type. If, however, equipment of unwarranted size or type and cost is used, cost of use of equipment shall be calculated at rental rate for equipment of proper size and type, as determined by City.

3. Equipment rental cost for Contractor or Subcontractor-owned equipment, shall be determined by reference to, and not in excess of, the generally accepted standards in the State for equipment rental rates in effect on date upon which extra Work is accomplished. If there is no applicable rate for an item of equipment, then payment shall be made for Contractor- or Subcontractor-owned equipment at rental rate listed in
4. In all cases, rental rates paid shall be deemed to cover cost of fuel, oil, lubrication, supplies, small tools, necessary attachments, repairs and maintenance of any kind, depreciation, storage, insurance, and all incidentals.

5. Unless otherwise specified, manufacturer’s ratings, and manufacturer-approved modifications, shall be used to classify equipment for determination of applicable rental rates. Individual pieces of equipment or tools not listed in said publication and having a replacement value of $100 or less, whether or not consumed by use, shall be considered to be small tools and no payment will be made therefore as payment is included in payment for labor. Rental time will not be allowed while equipment is inoperative due to breakdowns.

6. For equipment on Site, rental time to be paid for equipment shall be time equipment is in operation on extra Work being performed or on standby as approved by City. The following shall be used in computing rental time of equipment:
   a. When hourly rates are listed, less than 30 minutes of operation shall be considered to be ½ hour of operation.
   b. When daily rates are listed, less than four hours of operation shall be considered to be ½ Day of operation.
   c. Rates shall correspond to actual rates paid by Contractor, i.e., if Contractor pays lower weekly or monthly rates, then same shall be charged to City.

7. For equipment that must be brought to Site to be used exclusively on extra Work, cost of transporting equipment to Site and its return to its original location shall be determined as follows:
   a. City will pay for costs of loading and unloading equipment.
   b. Cost of transporting equipment in low bed trailers shall not exceed hourly rates charged by established haulers.
   c. Cost of transporting equipment shall not exceed applicable minimum established rates of California Public Utilities Commission or appropriate State Dept. of Transportation.
   d. City will not make any payment for transporting and loading and unloading equipment if equipment is used on Work in any other way than upon extra Work.
   e. Rental period may begin at time equipment is unloaded at Site of extra Work and terminate at end of the performance of the extra Work or Day on which City directs Contractor to discontinue use of equipment, whichever first occurs. Excluding Saturdays, Sundays, and City legal holidays, unless equipment is used to perform extra Work on such Days, rental time to be paid per Day shall be four hours for zero hours of operation, six hours for four hours of operation and eight hours for eight hours of operation, time being prorated between these parameters. Hours to be paid for equipment that is operated less than eight hours due to breakdowns, shall not exceed eight less number of hours equipment is inoperative due to breakdowns.

8. Employee vehicles are not part of Component 1A, rather, are included within Component 2 (Markup).

9. Equipment costs shall include no other costs, fees or charges.

D. Measurement of Cost of Material (Component 1C):
   1. Cost of Material shall be calculated as herein described. Cost of such materials will be cost to purchaser (Contractor, Subcontractor or other forces) from supplier thereof, except as the following are applicable:
   2. If cash or trade discount by actual supplier is offered or available to purchaser, it shall be credited to City notwithstanding fact that such discount may not have been taken.
   3. For materials salvaged upon completion of Work, salvage value of materials shall be
deducted from cost, less discounts, of materials.

4. If cost of a material is, in opinion of City, excessive, then cost of material shall be deemed to be lowest current wholesale price at which material is available in quantities concerned delivered to Site, less any discounts as provided in this Paragraph.

5. Material costs shall include no other costs, fees or charges.

E. Measurement of Cost of Subcontractors (Component 1D):

1. Where reimbursed or calculated per the terms of the Contract Documents, change order or Change Directive, cost of Subcontractors shall be calculated as amounts earned by Subcontractors procured in compliance with the Contract Documents and approved by the City, provided such subcontractor earned amounts meet the following requirements:
   a. Such amounts are earned under the terms of the Subcontracts and the Work complies with the terms of the Contract Documents;
   b. Such amounts are properly requested, documented and permitted under the terms of the subcontract(s) and the Contract Documents.
   c. Total cost to City of Direct Costs of Construction (labor, equipment, materials), Markup, and costs of bonds, insurance and taxes, conform to contract limitations (i.e., totals paid by City do not exceed the 20% Markup limitation.).

1.07 MEASUREMENT AND PAYMENT OF MARK UP (COST COMPONENT 2)

A. Markup Percentages for Changed Work (Component 2):

1. Markup on Direct Cost of labor and materials for extra Work shall be 15%. Markup on Direct Cost of equipment for extra Work shall be 15%.

2. When extra Work is performed by Subcontractors, regardless of the number of tiers, total Markup on “Component 1” Direct Costs shall not exceed 20%. Contractor and its Subcontractors shall divide the 20% as they may agree.

3. Under no circumstances shall the total Markup on any extra Work exceed twenty (20) percent, stated as a percent of the Direct Cost of labor, equipment and materials. This limitation shall apply regardless of the actual number of subcontract tiers.

4. On proposals covering both increases and decreases in Contract Sum, Markup shall be allowed on the net increase only as determined above. When the net difference is a deletion, no percentage for Markup shall be allowed, but rather an appropriate percentage deduction shall be issued in the amount of the net difference.

B. Measurement and Payment of Mark Up (Component 2):

1. Mark Up (Component 2) provides complete compensation to Contractor for:
   a. All Contractor profit;
   b. All Contractor home-office overhead;
   c. All Contractor assumption of risk assigned to Contractor under the Contract Documents;
   d. Subject to the qualifications below regarding self-performed work, all General Conditions and General Requirements.

2. Profit. Compensation for profit included within Component 2 (Mark Up), includes without limitation: Fees of all types, nature and description; and Profit and margins of all types, nature and description.

3. Home Office Expenses. Compensation for home office expenses included within Component 2 (Mark Up), includes without limitation: Salaries and other compensation of any type of Contractor’s personnel (management, administrative and clerical), and all direct and indirect operating, travel, payroll, safety, storage, quality control, maintenance and overhead costs of any nature whatsoever, incurred by Contractor at any location other than the Project specific site office, including without limitation, Contractor’s principal or branch offices; insurance premiums other than those for
4. Assumption of Risk. Compensation for Contractor’s assumption of risk under the Contract Documents, included within Component 2 (Mark Up), includes without limitation loss, cost, damage, expense or liability resulting directly or indirectly from any of the following causes (“unallowable costs”), for Contractor and subcontractors of any tier: noncompliance with the Contract Documents, fault or negligence, defective or non-conforming Work, by Contractor or any Subcontractor or Vendor of any tier or anyone directly or indirectly employed by any of them, or for whose acts or omissions any of them are responsible or liable at law or under the Contract Documents; cost overruns of any type; costs in excess of any lump sum, not to exceed amount or GMP; costs resulting from bid or “buy out” errors, unallocated scope, or incomplete transfer of scope or contract terms to subcontractors; any costs incurred by Contractor relating to a Change in the Work without a Change Order or Change Directive in accordance with the Contract Documents; costs for work or materials for which no price is fixed in the Contract Documents, unless it is expressly specified that such work or material is to be paid for as extra work.

5. General Conditions and Division 1 General Requirements. Compensation for Contractor’s General Conditions and General Requirements Costs included within Component 2 (Mark Up), includes compensation to Contractor for: Contractor’s direct costs, without overhead or profit, for salaries and related forms of compensation and employer’s costs for labor and personnel costs, of Contractor’s employees and subconsultant’s employees (if any), while and only to the extent they are performing Work at the Project Site. Personnel and Work compensated by this Component include without limitation: All required Project management responsibilities; all on-site services; monthly reporting and scheduling; routine field inspection of Work; general superintendent; general administration and preparation of cost proposals, schedule analysis, change orders and other supporting documentation as necessary; salaries of project superintendent, project engineers, project managers, safety manager, other manager, timekeeper, and secretaries; all cost estimates and updates thereto; development, validation and updates to the project schedule; surveying; estimating. Compensation for Contractor’s General Requirements Costs included within Component 2 (Mark Up), compensates Contractor for its “General Requirements” Costs, including without limitation: all scheduling hardware, software, licenses, equipment, materials and supplies; purchase, lease or rental, build out, procurement, supporting equipment and maintenance of temporary on-Site facilities, Project field and office trailers and other temporary facilities, office equipment and supporting utilities; platforms, fencing, cleanup and jobsite security; temporary roads, parking areas, temporary security or safety fencing and barricades, etc.; all Contractor’s motor vehicles used by any Contractor’s personnel, and all costs thereof; all health and safety requirements, required by law or City procedures; all surveying; all protection of Work; handling and disposal fees; final cleanup; repair or maintenance; other incidental Work; all items, activities and function similar to any of those described above; all travel, entertainment, lodging, board and the like.

6. Personnel compensated by the Markup Component do not include workers of foreman level or below in the case of self-performed work; rather, such personnel shall be treated as a Direct Cost of Construction. Costs compensated by the Markup component do not include temporary measures specifically required by the changed work, not otherwise required or ongoing in the prosecution of the Work, that commence specifically to support the changed work and conclude with the completion of the changed work. Such costs shall be treated as Direct Costs of Construction. Examples of General Requirements costs that this component may not cover are the following:
temporary barricades or fencing of specific areas required specifically for the changed work; cranes required specifically for the changed work; extra security required specifically for the changed work.

**1.08 MEASUREMENT AND PAYMENT OF BONDS INSURANCE TAXES (COMPONENT 3)**

A. Measurement of Bonds, Insurance, Taxes (Component 3):

1. Component 3 (Bonds, Insurance, Taxes) consists of the cost of bonds, insurance and taxes, also referred to as **“BIT”**. All State sales and use taxes, applicable County and applicable City sales taxes, shall be included. Federal and Excise tax shall not be included.

2. There is no mark up on BIT.

**1.09 EFFECT OF PAYMENT**

A. Change Order Compensation is All Inclusive.

1. Except as provided expressly below regarding changes that extend the Contract Time, payment of calculated cost of extra work constitutes full and complete compensation for costs or expense arising from the extra Work, and is intended to be all inclusive.

2. Payment for Direct Cost of Construction (Component 1 or LEMS) is intended to be all-inclusive. Any costs or risks not delineated within cost of labor, equipment or materials herein, shall be deemed to be within the costs and risks encompassed by the applicable Markups and unallowable in any separate amount.

3. Payment of Markup (Component 2) is intended to be all-inclusive. Contractor waives claims for any further or different payment of cost and risk items delineated herein, other than the allowable percentage markup on costs set forth in the Contract Documents; such separate, further or different cost or risk items shall be unallowable, waived and liquidated within the allowable percentage markup.

4. Contractor shall recover no other costs or markups on extra work of any type, nature or description.

B. Exception for Changes Extending the Contract Time.

1. Where a change in the Work extends the Contract Time, Contractor may request and recover additional, actual direct costs, provided Contractor can demonstrate such additional costs are (i.) actually incurred performing the Work, (ii.) not compensated by the Markup allowed, and (iii) directly result from the extended Contract Time. Contractor shall make such request and provide such documentation following all required procedures, documentation and time requirements in the Contract Documents, and subject to all contract limitations of liability. Contractor may not seek or recover such costs using formulas (e.g., Eichleay).

C. Limits of Liability / Accord and Satisfaction.

1. The foregoing limits of compensation apply in all cases of claims for changed Work, whether calculating Change Proposal Requests, Change Orders or CDs, or calculating claims and/or damages of all types, and applies even in the event of fault, negligence, strict liability, or tort claims of all kinds, including strict liability or negligence. Contractor may recover no other costs arising out of or connected with the performance of extra Work, of any nature.

2. Under no circumstances may Contractor claim or recover special, incidental or consequential damages against City, its representatives or agents, whether arising from breach of contract, negligence, strict liability or other tort or legal theory, unless specifically and expressly authorized in the Contract Documents.

3. No change in Work shall be considered a waiver of any other condition of Contract Documents. No claim shall be made for anticipated profit, for loss of profit, for
4. Accord and Satisfaction: Every Change Order and accepted CD shall constitute a full accord and satisfaction, and release, of all Contractor (and if applicable, Subcontractor) claims for additional time, money or other relief arising from or relating to the subject matter of the change including, without limitation, impacts of all types, cumulative impacts, inefficiency, overtime, delay and any other type of claim. Contractor may elect to reserve its rights to disputed claims arising from or relating to the changed Work at the time it signs a Change Order or approves a CD, but must do so expressly in a writing delivered concurrently with the executed Change Order or approved CD, and must also submit a Claim for the reserved disputed items pursuant to Article 12 of Document 00 7200 (General Conditions) no later than thirty (30) calendar days after Contractor’s first written notice of its intent to reserve rights. Execution of any Change Order or CD shall constitute Contractor’s representation of its agreement with this provision.

1.10 MISCELLANEOUS REQUIREMENTS

A. City-Furnished Materials.

1. City reserves right to furnish materials as it deems advisable, and Contractor shall have no claims for costs and Markup on such materials.

B. Records And Certification.

1. All charges shall be recorded daily and summarized in Change Proposal Request form attached hereto. Contractor or authorized representative shall complete and sign form each day. Contractor shall also provide with the form: the names and classifications of workers and hours worked by each; an itemization of all materials used; and a list by size type and identification number of equipment and hours operated.

2. City shall have the right to audit all records in possession of Contractor relating to activities covered by Contractor’s claims for modification of Contract, including CD Work. This right shall be specifically enforceable, and any failure of Contractor to voluntarily comply shall be deemed an irrevocable waiver and release of all claims then pending that were or could have been subject to Article 12 of Document 00 7200 (General Conditions).

C.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION

[COST PROPOSAL FORM FOLLOWS ON NEXT PAGE]
Owner: Strawberry Creek Park  
Contract Number: _______  

To: City of Berkeley  
Attention: Isaac Carnegie  
1947 Center Street, 5th Floor  
Berkeley, CA 94704  
Phone: (510) 981-6400  
Fax: (510) 981-6390

From: [Insert Contractor’s Name/Address]

This Cost Proposal is in response to the above-referenced _______ [insert RFP, etc. as applicable].  
Brief description of change(s): __________________________________________________________________________

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<tr>
<th>ITEM DESCRIPTION</th>
<th>PRIME CONTRACTOR</th>
<th>SUB 1</th>
<th>SUB 2</th>
<th>SUB 3</th>
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<td>Overhead &amp; Profit to Contractor for Subcontractor’s Work 5 percent</td>
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REQUESTED CHANGE IN CONTRACT TIME (CALENDAR DAYS)  
(Time Impact Evaluation Enclosed)

By Contractor:          Signature:         Date:

Modification Procedures  01 2600-11
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DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 3119

PROJECT MEETINGS

PART 1 - GENERAL

1.01 HEADING 3
A. Summary
1. Section includes description of required project meetings.

1.02 PRECONSTRUCTION CONFERENCE
A. Preconstruction Conference. City will call for and administer Preconstruction Conference at time and place to be announced (usually the week prior to start of Work at the Site). Contractor, all major Subcontractors, and major suppliers shall attend Preconstruction Conference. Agenda may include, but not be limited to, the following items:
1. Schedules
2. Personnel and vehicle permit procedures
3. Use of premises
4. Location of the Contractor’s on-Site facilities & Temporary Utilities
5. Security
6. Housekeeping
7. Submittal and RFI procedures
8. Inspection and testing procedures, on-Site and off-Site
9. Utility shutdown procedures
10. Control and reference point survey procedures
11. Injury and Illness Prevention Program
12. Contractor’s Initial Progress Schedule
13. Contractor’s Schedule of Values
14. Contractor’s Schedule of Submittals
15. Jurisdictional agency requirements
16. Project Communication Procedures
17. Modification Procedures
18. Site Access by City and Consultants
19. As-Built/Record Documents
20. Permits & Fees
21. Coordination: (Work Performed for City under separate contract). (As Appropriate)
22. City will distribute copies of minutes to attendees. Attendees shall have 7 calendar days to submit comments or additions to minutes. Minutes will constitute final memorialization of results of Preconstruction Conference.

1.03 WEEKLY PROJECT MEETINGS
A. City will schedule and administer weekly progress meetings throughout duration of Work. Progress meetings will be held weekly unless otherwise directed by City. Meetings shall be held at City’s Offices unless otherwise specified in Contract Documents.
1. City’s Representative will prepare agenda and distribute it 4 calendar days in advance of meeting to Contractor.
2. Participants with agenda items shall present them.
3. The Architect/Engineer and other responsible entities shall attend meetings unless
otherwise specified in Contract Documents or provided by City.

4. City shall record and distribute the meeting minutes. Minutes shall be distributed by the City to the Contractor within 3 business days after the meeting. Contractor shall distribute the minutes to those affected by decisions made at meeting. Attendees shall have five business days to submit comments or additions to the minutes. Minutes shall constitute final memorialization of results of meeting.

5. Progress meetings shall be attended by Contractor’s job superintendent, major Subcontractors and suppliers, City, and others as appropriate to agenda topics for each meeting.

6. Agenda may contain the following items, as appropriate:
   a. Review, revise as necessary, and approve previous meeting minutes
   b. Review of Work progress since last meeting
   c. Status of Construction Work Schedule, delivery schedules, adjustments
   d. Submittal, RFI, and Change Order status
   e. Review of the Contractor’s safety program activities and results, including report on all serious injury and/or damage accidents
   f. Other items affecting progress of Work

1.04 PROGRESS SCHEDULE AND BILLING MEETINGS

   A. A meeting will be held on approximately the 20th of each month to review the schedule update submittal and progress payment application.

   B. At this meeting, at a minimum, the following items will be reviewed:
      1. Percent complete of each activity;
      2. Time impact evaluations for Change Orders and Time Extension Request;
      3. Actual and anticipated activity sequence changes;
      4. Actual and anticipated duration changes; and
      5. Actual and anticipated Contractor delays.
      6. Waste Management Tracking/Tags
      7. As-Built/Record Documents

   C. These meetings are considered a critical component of overall monthly schedule update submittal and Contractor shall have appropriate personnel attend. At a minimum, Contractor’s General Superintendent and Scheduler shall attend these meetings.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION
DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 3230

PROGRESS SCHEDULES AND SUBMITTALS

PART 1 - GENERAL

1.01 SUMMARY
A. Section includes description of requirements and procedures for submitting progress schedules and submittals.

1.02 CONTRACTOR TO SUBMIT PROGRESS SCHEDULES
A. Contractor shall submit original (baseline) progress schedule two weeks prior to the first Application for Payment.
B. Baseline Progress Schedule shall show Contractor's construction and procurement activities, including but not limited to, equipment procurement and delivery (Contractor and City supplied), activities with Subcontractors and suppliers, major submittal reviews, commissioning of systems, use of major equipment on site, and necessary interface with City and third parties required to complete the Work in a timely manner and in accordance with Contract Time.

1.03 SCHEDULE REQUIREMENTS.
A. Unless City agrees in writing otherwise, progress schedule shall be on Microsoft Project, Primavera P6, Suretrack, or equivalent software, as City may specify, which Contractor shall prepare and supply to City, with all datapoint entries completed for start dates, necessary work activities, durations (not longer than 21 calendar days) and logic ties.
B. Contractor’s progress schedule may be in the form of a CPM (arrow) diagram or, if City agrees in writing, a bar chart or a Gantt chart. The hard copies of the schedule supplied to City shall indicate the critical path of the Work (in red) and shall show a logical progression of the Work through completion within Contract Time.
C. Unless City agrees in writing otherwise, progress schedule shall also show early and late start and finish dates and total available float (float to the successor activity’s late start date) for each activity. City has no obligation to accept an early completion schedule.

1.04 MONTHLY UPDATES
A. Contractor’s progress schedule shall be updated monthly to reflect actual progress. The schedule shall be subject to City’s review and acceptance for use in monitoring Contractor’s Work and evaluating Applications for Payment.
B. Contractor shall supply City with an electronic copy of the updated progress schedule with each monthly payment application. Contractor shall provide City with three-week look ahead schedules weekly, showing in detail and activities and resources scheduled for the immediate two week period.

1.05 RECOVERY SCHEDULE
A. City may request a recovery schedule should Contractor fall 21 or more calendar days behind any schedule Milestone, which schedule shall show Contractor’s plan and resources committed to retain Contract completion dates.
B. The recovery schedule shall show the intended critical path. If City requests, Contractor shall also:
   1. Secure and demonstrate appropriate Subcontractor and supplier consent to the recovery
2. Submit a narrative explaining trade flow and construction flow changes and man-hour loading assumptions for major Work activities and/or Subcontractors.

1.06 TIME IMPACT EVALUATION ("TIE") FOR CHANGE ORDERS, TIME EXTENSIONS AND DELAYS:

A. When Contractor requests a time extension for any reason, Contractor shall submit a TIE that includes both a written narrative and a schedule diagram depicting how the changed Work or other impact affects other schedule activities. The schedule diagram shall show how Contractor proposes to incorporate the changed Work or other impact in the schedule and how it impacts the current Schedule update critical path or otherwise. Contractor is also responsible for requesting time extensions based on the TIE’s impact on the critical path. The diagram shall be tied to the main sequence of scheduled activities to enable City to evaluate the impact of changed Work to the scheduled critical path.

B. Contractor is responsible for all costs associated with the preparation of TIE’s, and the process of incorporating TIE’s into the current schedule update. Provide City with four copies of each TIE.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION
DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 3300

SUBMITTALS

PART 1 - GENERAL

1.01 SUMMARY
A. Section includes description of requirements and procedures for submittals.

1.02 SCHEDULE OF SUBMITTALS
A. Contractor shall prepare for City’s review and acceptance prior to commencement of work on the Site, for purposes of contract administration, a schedule of submittals (also referred to as a submittal register) required to complete the Work, prepared by Contractor and accepted by City for contract administration. Schedule of submittals shall include, for each submittal: the specification or drawing reference requiring the submittal, if applicable; the material, item, or process for which the submittal is required; the submittal number and identifying title of the submittal; the Contractor's anticipated submission date and the approval need date.

B. Contractor shall update monthly the schedule of submittals to reflect actual submission and acceptance dates for submittals. Review by City of schedule of submittals does not excuse Contractor of obligation to supply, schedule and coordinate all submittals required by the Contract Documents.

1.03 CONTRACTOR TO SUBMIT SHOP DRAWINGS, PRODUCT DATA AND SUBMITTALS.
A. Contractor shall review for compliance with Contract Documents, approve and submit to City Shop Drawings, Product Data, Samples and similar submittals required by Contract Documents.

B. Contractor shall schedule and submit concurrently submittals covering component items forming a system or items that are interrelated. Contractor shall include certifications to be submitted with the pertinent drawings at the same time.

C. Contractor shall coordinate scheduling, sequencing, preparing and processing of all submittals with performance of work so that work will not be delayed by submittal processing.

D. Submittals shall specifically identify any Work depicted that does not conform to the Contract Documents.

1.04 CITY REVIEW OF SHOP DRAWINGS, PRODUCT DATA AND SUBMITTALS.
A. After review by City of each Submittal, material will be returned to Contractor with actions defined as follows:

1. NO EXCEPTIONS TAKEN - Accepted subject to its compatibility with general design concept of the Work, future Submittals and additional partial Submittals for any portions of the Work not covered in this Submittal. Does not constitute acceptance or deletion of specified or required items not shown on the Submittal.

2. MAKE CORRECTIONS NOTED (NO RESUBMISSIONS REQUIRED) - Same as item 1 above, except that minor corrections as noted shall be made by Contractor.

3. REVISE AS NOTED AND RESUBMIT - Rejected because of major inconsistencies or errors that shall be resolved or corrected by Contractor prior to subsequent review by City.

4. REJECTED - RESUBMIT - Submitted material does not conform to Drawings and/or Specifications in major respect, i.e.: wrong size, model, capacity, or material.
B. Favorable review will not constitute acceptance by City of any responsibility for the accuracy, coordination, or completeness of the Submittals. Accuracy, coordination, and completeness of Submittals shall be sole responsibility of Contractor, including responsibility to back-check comments, corrections, and modifications from City’s review before fabrication. Contractor, Subcontractors, or suppliers may prepare Submittals, but Contractor shall ascertain that Submittals meet requirements of Contract Documents, while conforming to structural space and access conditions at point of installation. City’s review will be only to assess if the items covered by the Submittals will, after installation or incorporation in the Work, conform to the information given in the Contract Documents and be compatible with the design concept of the completed Project as indicated by the Contract Documents. Favorable review of Submittal, method of Work, or information regarding materials and equipment Contractor proposes to furnish shall not relieve Contractor of responsibility for errors therein and shall not be regarded as assumption of risks or liability by City, or any officer or employee thereof, and Contractor shall have no claim under Contract Documents on account of failure or partial failure or inefficiency or insufficiency of any plan or method of Work or material and equipment so accepted. Favorable review shall be considered to mean merely that City has no objection to Contractor using, upon Contractor’s own full responsibility, plan or method of Work proposed, or furnishing materials and equipment proposed.

C. Unless otherwise specified, City’s review will not extend to the means, methods, techniques, sequences, or procedures of construction or to safety precautions or programs incident thereto. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.

D. Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples or similar submittals until the respective submittal has been favorably reviewed by the City; otherwise, any such Work is at Contractor’s sole risk.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION
DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 4100

REGULATORY REQUIREMENTS

PART 1 - GENERAL

1.01 SUMMARY
A. Section includes:
   1. Regulatory requirements applicable to Contract Documents
   2. Required provisions under Local Agency Disputes Act
   3. Required references under federal law

1.02 GENERAL
A. Compliance with Laws
   1. Conform to all applicable codes, laws, ordinances, rules and regulations, which shall have full force and effect as though printed in full in these Specifications. Codes, laws, ordinances, rules, regulations and ordinances (Regulatory Requirements) are not furnished to Contractor, because Contractor is assumed to be familiar with these requirements.
   2. Any listing of Regulatory Requirements for hazardous waste abatement Work in the Contract Documents is supplied to Contractor as a courtesy and shall not limit Contractor’s responsibility for complying with all applicable Regulatory Requirements having application to the Work. Where conflict among the Regulatory Requirements or with these Specifications occurs, the most stringent requirements shall be used.
   3. Specific reference in the Specifications to codes and regulations or requirements of regulatory agencies shall mean the latest printed edition of each adopted by the regulatory agency in effect at the time of the opening of Bids, except as may be otherwise specifically stated in the Contract Documents.

B. Precedence
   1. Where specified requirements differ from Regulatory Requirements, the more stringent requirements shall take precedence. Where Drawings or Specifications require or describe products or execution of better quality, higher standard or greater size than required by Regulatory Requirements, then Drawings and Specifications shall take precedence so long as such increase is legal. Where no requirements are identified on Drawings or in Specifications, comply with all Regulatory Requirements of governing authorities having jurisdiction.
   2. Should any conditions develop not covered by the Contract Documents wherein the finished Work will not comply with current codes, a Change Order detailing and specifying the required Work shall be submitted to and approved by City before proceeding with the Work.

1.03 REGULATORY REQUIREMENTS
A. Applicable Codes
   1. Codes that apply to Contract Documents include all Codes applicable to construction, including, but not limited to, the following:
a. California Building Code (2016 Edition or latest applicable code) as amended by applicable local ordinances for all construction work.
b. California Electrical Code (2016 Edition or latest applicable code) as amended by applicable local ordinances for all construction work.
c. California Plumbing Code (2016 Edition or latest applicable code) as amended by applicable local ordinances for plumbing, sewage disposal and health requirements.
d. California Mechanical Code (2016 Edition or latest applicable code) as amended by applicable local ordinances for all construction work.
e. California Energy Code (2016 Edition or latest applicable code) as amended by applicable local ordinances for all construction work.
f. California Green Building Standard Code (2016 Edition or latest applicable code) as amended by applicable local ordinances for all construction work.
g. International Fire Code (2016 Edition or latest applicable code) as amended by applicable local ordinances for all construction work.
h. California Administrative Code Titles 15, 19 and 24 (with California amendments), and Americans with Disabilities Act (ADA) accessibility guidelines, whichever is more stringent.
i. All State laws and City and County Ordinances, rules of the State or City or County Health Departments, rules of the National Board of Fire Underwriters and National Fire Protection Associations, and local power company regulations for mechanical and electrical work.

B. Applicable Laws, Statutes, Ordinances, Rules, And Regulations

1. During prosecution of Work to be done under Contract Documents, Contractor shall comply with applicable laws, ordinances, rules and regulations, including, but not limited to, the following:

a. Federal:
   1) Americans With Disabilities Act of 1990
   2) 29 CFR, Section 1910.1001, Asbestos
   3) 40 CFR, Subpart M, National Emission Standards for Asbestos
   4) Executive Order 11246
   5) Federal Endangered Species Act
   6) Clean Water Act

b. State of California:
   1) California Code of Regulations, Titles 5, 8, 17, 19, 21, 22, 24 and 25
   2) California Public Contract Code
   3) California Health and Safety Code
   4) California Government Code
   5) California Labor Code
   6) California Civil Code
   7) California Code of Civil Procedure
   8) CPUC General Order 95, Rules for Overhead Electric Line Construction
   9) CPUC General Order 128, Rules for Construction of Underground Electric Supply and Communications Systems
   10) Cal/OSHA
   11) OSHA: Hazard Communications Standards
   12) California Endangered Species Act
   13) Water Code
   14) Fish and Game Code

c. State of California Agencies:
   1) State and Consumer Services Agency
   2) Office of the State Fire Marshall
   3) Office of Statewide Health Planning and Development
   4) Department of Fish and Game
   5) All Air Quality Management Districts with jurisdiction
   6) All Regional Water Quality Control Boards with jurisdiction
   7) Division of the State Architect (if having jurisdiction)
d. All Local Agencies with jurisdiction (cities, counties, fire departments)

C. Change Orders and Claims:

1. The California Public Contract Code, including but not limited to Section 7105(d)(2), and the California Government Code Section 930.2 et seq., apply to all contract procedures for changes, time extensions, change orders (time or compensation) and claims. Federal law (U.S. v. Holpuch 326 U.S. 234) shall supplement California law on the enforceability of these requirements.

2. Any change, waiver, or omission to implement contract change order and claim procedures shall have no legal effect unless expressly permitted in a fully executed change order approved by Contractor and City and approved as to form by their respective legal counsel.

D. Required Provisions On Contract Claim Resolution

1. The California Public Contract Code specifies required provisions on resolving contract claims less than $375,000, which are set forth below, and constitute a part of this Contract.

2. For the purposes of this section, “Claim” means a separate demand by Contractor of $375,000 or less for (1) a time extension, (2) payment or money or damages arising from Work done by or on behalf of Contractor arising under the Contract Documents and payment of which is not otherwise expressly provided for or the Claimant is not otherwise entitled to, or (3) an amount the payment of which is disputed by City. In order to qualify as a Claim, the written demand must state that it is a Claim submitted under paragraph 12 of Document 00 7200 (General Conditions) and be submitted in compliance with all requirements of Document 00 7200 (General Conditions), paragraph 12. Separate Claims which total more than $375,000 do not qualify as a “separate demand of $375,000 or less,” as referenced above, and are not subject to this section.

3. A voucher, invoice, payment application, or other routine or authorized form of request for payment is not a Claim for purposes of this section. If such request is disputed as to liability or amount, then the disputed portion of the submission may be converted to a Claim under this section by submitting a separate claim in compliance with Contract Documents claim submission requirements.

4. Caution. This section does not apply to tort claims and nothing in this section is intended nor shall be construed to change the time periods for filing tort claims or actions specified by Chapter 1 and Chapter 2 of Part 3 of Division 3.6 of Title 1 of the California Government Code.

5. Procedure:

a. The Claim must be in writing, submitted in compliance with all requirements of Document 00 7200 (General Conditions), paragraph 12, including, but not limited to, the time prescribed by and including the documents necessary to substantiate the Claim, pursuant to Document 00 7200 (General Conditions), paragraph 12.3. Claims must be filed on or before the day of final payment. Nothing in this section is intended to extend the time limit or supersede notice requirements for the filing of claims as set forth in Document 00 7200 (General Conditions), paragraph 12 or elsewhere in the Contract Documents.

b. For Claims of fifty thousand dollars ($50,000) or less, City shall respond in writing within forty-five (45) calendar days of receipt of the Claim, or City may request in writing within thirty (30) calendar days of receipt of the Claim, any additional documentation supporting the Claim or relating to any defenses or claims City may have against Claimant. If additional information is thereafter required, it shall be requested and provided in accordance with this section upon mutual agreement of City and Claimant. City’s written response to the Claim, as further documented, shall be submitted to Claimant within fifteen (15) calendar days after
receipt of further documentation or within a period of time no greater than taken by Claimant in producing the additional information, whichever is greater.

c. For Claims over Fifty Thousand Dollars ($50,000) and less than or equal to $375,000: City shall respond in writing within sixty (60) calendar days of receipt of the Claim, or City may request in writing within thirty (30) calendar days of receipt of the Claim, any additional documentation supporting the Claim or relating to any defenses or claims City may have against Claimant. If additional information is thereafter required, it shall be requested and provided in accordance with this section, upon mutual agreement of City and Claimant; City’s written response to the Claim, as further documented, shall be submitted to Claimant within thirty (30) calendar days after receipt of further documentation or within a period of time no greater than taken by Claimant in producing the additional information, whichever is greater.

d. Meet and Confer: If Claimant disputes City’s written response, or City fails to respond within the time prescribed above, Claimant shall notify City, in writing, either within fifteen (15) calendar days of receipt of City’s response or within fifteen (15) calendar days of City’s failure to timely respond, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon demand City will schedule a meet and confer conference within thirty (30) calendar days for settlement of the dispute.

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

E. Compliance With Americans With Disabilities Act

1. Contractor acknowledges that, pursuant to the Americans with Disabilities Act (ADA), programs, services and other activities provided by a public entity to the public, whether directly or through a Contractor, must be accessible to the disabled public. Contractor shall provide the services specified in the Contract Documents in a manner that complies with the ADA and any and all other applicable federal, state and local disability rights legislation. Contractor agrees not to discriminate against disabled persons in the provision of services, benefits or activities provided under the Contract Documents and further agrees that any violation of this prohibition on the part of Contractor, its employees, agents or assigns shall constitute a material breach of the Contract Documents.

F. Compliance With IRCA

1. Contractor acknowledges that Contractor, and all subcontractors hired by Contractor to perform services under this Agreement, are aware of and understand the immigration Reform and Control Act (“IRCA”). Contractor is and shall remain in compliance with the IRCA and shall ensure that any subcontractors hired by Contractor to perform services under this Agreement are in compliance with the IRCA. In addition, Contractor agrees to indemnify, defend and hold harmless City, its agents, officers and employees, from any liability, damages or causes of action arising out of or relating to any claims that Contractor’s employees, or employees of any subcontractor hired by Contractor, are not authorized to work in the United States for Contractor or its subcontractor and/or any other claims based upon alleged IRCA violations committed by Contractor or Contractor’s subcontractors.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED
DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 4200

REFERENCES AND DEFINITIONS

PART 1 - GENERAL

1.01 SUMMARY
A. Section Includes:
   1. Reference standards, abbreviations, symbols, and definitions used in Contract Documents.
   2. Full titles are given in this Section for standards cited in other Sections of Specifications.

1.02 REFERENCE TO STANDARDS AND SPECIFICATIONS OF TECHNICAL SOCIETIES; REPORTING AND RESOLVING DISCREPANCIES
A. References
   1. Reference to standards, specifications, manuals, or codes of any technical society, organization, or association, or to the laws or regulations of any governmental authority, whether such reference be specific or by implication, shall mean the latest standard, specification, manual, code, or laws or regulations in effect at the time of opening of Bids, except as may be otherwise specifically stated in the Contract Documents.
   2. If during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents or between the Contract Documents and any provision of any such law or regulation applicable to the performance of the Work or of any such standard, specification, manual, or code or of any instruction of any supplier, Contractor shall report it in writing at once to City’s Representative and Architect/Engineer, and Contractor shall not proceed with the Work affected thereby until consent to do so is given by City.

B. Precedence
   1. Except as otherwise specifically stated in the Contract Documents or as may be provided by Change Order, CCD, or Supplemental Instruction, the provisions of the Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between the provisions of the Contract Documents and:
      a. The provisions of any such standard, specification, manual, code, or instruction (whether or not specifically incorporated by reference in the Contract Documents); or
      b. The provisions of any such laws or regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such law or regulation).
   2. No provision of any such standard, specification, manual, code, or instruction shall be effective to change the duties and responsibilities of City, City’s Representative, Architect/Engineer or Contractor, or any of their subcontractors, consultants, agents, or employees, from those set forth in the Contract Documents, nor shall it be effective to assign to City, Architect/Engineer, or any of their consultants, agents, representatives or employees any duty or authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents.

C. Referenced Grades, Classes, and Types:
1. Where an alternative or optional grade, class, or type of product or execution is included in a reference but is not identified in Drawings or in Specifications, provide the highest, best, and greatest of the alternatives or options for the intended use and prevailing conditions.

D. Edition Date of References:
1. When an edition or effective date of a reference is not given, it shall be understood to be the current edition or latest revision published as of the date of opening Bids.
2. All amendments, changes, errata and supplements as of the effective date shall be included.

E. ASTM and ANSI References: Specifications and Standards of the American Society for Testing and Materials (ASTM) and the American National Standards Institute (ANSI) are identified in the Drawings and Specifications by abbreviation and number only and may not be further identified by title, date, revision, or amendment. It is presumed that Contractor is familiar with and has access to these nationally- and industry-recognized specifications and standards.

1.03 DEFINITIONS
A. Meaning of Words and Phrases
Wherever any of the words or phrases defined below, or a pronoun used in place thereof, is used in any part of the Contract Documents, it shall have the meaning here set forth. Where abbreviations and symbols are used, such abbreviations and symbols shall be given their common meaning in the construction industry. In the Contract Documents, the neuter gender includes the feminine and masculine, and the singular number includes the plural.

While City has made an effort to identify all defined terms with initial caps, the following definitions shall apply regardless of case unless the context otherwise requires:

1. Addenda: Written or graphic instruments issued prior to the opening of Bids, which clarify, correct, or change the bidding requirements or the Contract Documents. Addenda shall not include the minutes of the Pre-Bid Conference and/or Site Visit.

2. Agreement (Document 00 5200): Agreement is the basic Contract Document that binds the parties to construction Work. Agreement defines relationships and obligations between City and Contractor and by reference incorporates Conditions of Contract, Drawings, and Specifications and contains Addenda and all Modifications subsequent to execution of Contract Documents.

3. Alternate: Work added to or deducted from the base Bid, if accepted by City.

4. Application for Payment: Written application for monthly or periodic progress or final payment made by Contractor complying with the Contract Documents.

5. Approved Equal: Approved in writing by City as being of equivalent quality, utility and appearance.

6. Architect/Engineer: If used elsewhere in the Contract Documents, “Architect/Engineer” shall mean a person (or that person’s firm) holding a valid California State Architect’s or Engineer’s license representing the City in the administration of the Contract Documents. Architect/Engineer may be an employee of or an independent consultant to City. When Architect/Engineer is referred to within the Contract Documents and not an employee of City, Architect/Engineer shall be construed to include employees of Architect/Engineer and/or employees that Architect/Engineer supervises. When the designated Architect/Engineer is an employee of City, his or her authorized representatives on the Project will be included under the term Architect/Engineer. If Architect/Engineer is an employee of City, Architect/Engineer is the beneficiary of all Contractor obligations to City, including without limitation, all releases and indemnities. Architect/Engineer may also be referred to as Architect or Engineer.
7. **Asbestos:** Any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by OSHA or Cal/OSHA.

8. **Bid:** The offer or proposal of the Bidder submitted on the prescribed form(s) setting forth the prices for the Work to be performed.

9. **Bidder:** One who submits a Bid.

10. **Bidding Documents:** All documents comprising the Project Manual (including all documents and Specification Sections listed in Document 00 0110 [Table of Contents]), including documents supplied for bidding purposes only and Contract Documents.

11. **Board:** The governing body of the City.

12. **Business Day:** Any Day other than Saturday, Sunday, and the following days that have been designated as holidays by City. If a holiday falls on a Saturday, the preceding Friday will be the holiday. If a holiday falls on a Sunday, the following Monday will be the holiday.
   a. New Year’s Day, January 1;
   b. Martin Luther King Jr.’s Birthday, third Monday in January;
   c. Lincoln’s Birthday, February 12;
   d. Presidents’ Day, third Monday in February;
   e. Memorial Day, last Monday in May;
   f. Independence Day, July 4;
   g. Labor Day, first Monday in September;
   h. Veterans’ Day, November 11;
   i. Thanksgiving Day, as designated by the President;
   j. The Day following Thanksgiving Day;
   k. Christmas Day, December 25; and
   l. Each day appointed by the Governor of California and formally recognized by the Governing Board as a day of mourning, thanksgiving, or special observance.

13. **By City:** Work that will be performed by City or its agents at the City’s expense.

14. **By Others:** Work that is outside scope of Work to be performed by Contractor under this Contract, which will be performed by City, other contractors, or other means.

15. **Change Order:** A written instrument prepared by City and signed by City and Contractor, stating their agreement upon all of the following:
   a. a change in the Work;
   b. the amount of the adjustment in the Contract Sum, if any; and
   c. the amount of the adjustment in the Contract Time, if any.

16. **Change Proposal Request (CPR):** A document prepared by Contractor requesting or initiating a request for modifying the Contract Documents and determining costs for changes in contract amount and any requested changes to Contract Time.

17. **City:** City is defined in Document 00 5200 (Agreement).

18. **City-Furnished, Contractor Installed:** Items furnished by City at its cost for installation by Contractor at its cost under Contract Documents.

19. **City’s Representative(s):** See Document 00 5200 (Agreement).

20. **Code Inspector:** A local or state agency responsible for the enforcement of applicable codes and regulations.

21. **Concealed:** Work not exposed to view in the finished Work, including within or behind various construction elements.

22. **Construction Change Directive (“CCD”):** A written order prepared and signed by City,
directing a change in the Work and stating a proposed basis for adjustment, if any, in the Contract Sum or Contract Time, or both.

23. **Contract Amount**: a change order price, line item price, Contract Sum, or other price assigned to a scope of work.

24. **Contract Conditions or Conditions of the Contract**: Consists of two parts: General Conditions and Supplementary Conditions.
   a. General Conditions are general clauses that are common to the City Contracts, including Document 00 7200 (General Conditions).
   b. Supplementary Conditions modify or supplement General Conditions to meet specific requirements for Contract Documents, including Document 00 7201 (Supplementary Conditions).

25. **Contract Documents and Contract**: Contract Documents and Contract shall consist of the documents identified as the Contract Documents in Document 00 5200 (Agreement), plus all changes, Addenda, and modifications thereto.

26. **Contract Modification**: Either:
   a. a written amendment to Contract signed by Contractor and City; or
   b. a Change Order; or
   c. a Construction Change Directive; or
   d. a written directive for a minor change in the Work issued by City.

27. **Contract Sum**: The sum stated in the Agreement and, including authorized adjustments, the total amount payable by City to Contractor for performance of the Work and the Contract Documents. The Contract Sum is also sometimes referred to as the Contract Price or the Contract Amount.

28. **Contract Time**: The number or numbers of calendar days or the dates stated in the Agreement to achieve Substantial Completion of the Work or designated Milestones; and/or to achieve Final Completion of the Work so that it is ready for final payment and is accepted.

29. **Contractor**: The person or entity identified as such in the Agreement and referred to throughout the Contract Documents as if singular in number and neutral in gender. The term “Contractor” means the Contractor or its authorized representative.

30. **Contractor’s Employees**: Persons engaged in execution of Work under Contract as direct employees of Contractor, as Subcontractors, or as employees of Subcontractors.

31. **Day**: One calendar day of 24 hours measured from midnight to the next midnight, unless the word “day” is specifically modified to the contrary.

32. **Defective**: An adjective which, when modifying the word “Work,” refers to Work that is unsatisfactory or unsuited for the use intended, faulty, or deficient, that does not conform to the Contract Documents, or does not meet the requirements of any inspection, reference standard, test or approval referred to in the Contract Documents (including but not limited to approval of Samples and “or equal” items), or has been damaged prior to final payment (unless responsibility for the protection thereof has been assumed by City). Unapproved substitutions are defective. City is the judge of whether Work is Defective.

33. **Division of State Architect**: A division of the State of California providing, design and construction oversight for K–12 schools and community colleges, and developing and maintaining accessibility standards and codes utilized in public and private buildings throughout the State of California.

34. **Drawings**: The graphic and pictorial portions of Contract Documents, wherever located and whenever issued, showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams.
35. **Equal**: Equal in opinion of City. Burden of proof of equality is responsibility of Contractor.

36. **Final Acceptance or Final Completion**: City’s acceptance of the Work as satisfactorily completed in accordance with Contract Documents. Requirements for Final Acceptance/Final Completion include, but are not limited to:
   a. Final cleaning is completed.
   b. All systems having been tested and accepted as having met requirements of Contract Documents.
   c. All required instructions and training sessions having been given by Contractor.
   d. All Project Record Documents having been submitted by Contractor, reviewed by City, and accepted by City.
   e. All punch list Work, as directed by City, having been completed by Contractor.
   f. Generally all Work, except Contractor maintenance after Final Acceptance/Final Completion, having been completed to satisfaction of City.

37. **Force Account**: Work directed to be performed without prior agreement as to lump sum or unit price cost thereof, and which is to be billed at cost for labor, materials, equipment, taxes, and other costs, plus a specified percentage for overhead and profit.

38. **Exposed**: Work exposed to view in the finished Work, including behind louvers, grilles, registers and various other construction elements.

39. **Furnish**: Supply Indicated: Shown or noted on the Drawings.

40. **Indicated**: Shown or noted on the Drawings.

41. **Install**: Install or apply only, do not furnish.

42. **Latent**: Not apparent by reasonable inspection, including but not limited to, the inspections and research required as a condition to bidding under Document 00 7200 (General Conditions).

43. **Law**: Unless otherwise limited, all applicable laws including without limitation all federal, state, and local laws, statutes, standards, rules, regulations, ordinances, and judicial and administrative decisions.

44. **Material**: This word shall be construed to embrace machinery, manufactured articles, materials of construction (fabricated or otherwise), and any other classes of material to be furnished in connection with Contract, except where a more limited meaning is indicated by context.

45. **Milestone**: A principal event specified in Contract Documents relating to an intermediate completion date or time prior to Substantial Completion of all Work.

46. **Modification**: Same as Contract Modification.

47. **Not in Contract or “NIC”**: Work that is outside the scope of Work to be performed by Contractor under Contract Documents.

48. **Notice of Completion**: Shall have the meaning provided in California Civil Code §3093, and any successor statute.

49. **Off Site**: Outside geographical location of the Project.

50. **Owner**: Owner is the City of Berkeley, see Document 00 5200 (Agreement).

51. **Partial Utilization**: Use by City of a substantially completed part of the Work for the purpose for which it is intended (or a related purpose) prior to Substantial Completion of all of the Work.

52. **PCBs**: Polychlorinated byphenyls.

53. **Phase**: A specified portion of the Work (if any) specifically identified as a Phase in Document 00 5200 (Agreement) or Document 01 1100 (Summary).
54. **Product Data:** That information (brochures, catalog sheets, manufacturer’s cut sheets, etc.) supplied by vendors having technical and commercial characteristics of the supplied equipment or materials and accompanying commercial terms such as warranties, instructions, and manuals.

55. **Progress Report:** A periodic report submitted by Contractor to City with progress payment invoices accompanying progress schedule. See Document 00 7200 (General Conditions).

56. **Project:** Total construction of which Work performed under Contract Documents may be whole or part.

57. **Project Manager:** If used elsewhere in the Contract Documents, “Project Manager” shall mean a person representing the City in the administration of the Contract Documents. Project Manager may be an employee of or an independent consultant to City. When Project Manager is referred to within the Contract Documents and no Project Manager has in fact been designated, then the matter shall be referred to City. The term Project Manager shall be construed to include employees of Project Manager and/or employees that Project Manager supervises. When the designated Project Manager is an employee of City, his or her authorized representatives on the Project will be included under the term Project Manager. If Project Manager is an employee of City Project Manager is the beneficiary of all Contractor obligations to City, including without limitation, all releases and indemnities.


59. **Project Record Documents:** All Project deliverables required under the Contract Documents, including without limitation, as built drawings; Installation, Operation, and Maintenance Manuals; and Machine Inventory Sheets.

60. **Provide:** Furnish and install.

61. **Request for Information (“RFI”):** A document prepared by Contractor requesting information regarding the Project or Contract Documents. The RFI system is also a means for City to submit Contract Document clarifications or supplements to Contractor.

62. **Request for Proposals (“RFP”:** A document issued by City to Contractor whereby City may initiate changes in the Work or Contract Time as provided in Contract Documents.


64. **RFI-Reply:** A document consisting of supplementary details, instructions, or information issued by City that clarifies or supplements Contract Documents, and with which Contractor shall comply. RFI-Replies do not constitute changes in Contract Sum or Contract Time except as otherwise agreed in writing by City. RFI-Replies will be issued through the RFI administrative system.

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

66. **Shop Drawings:** All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work.

67. **Shown:** As indicated on Drawings.

68. **Site:** The particular geographical location of Work performed pursuant to the Contract Documents.
69. **Specifications**: The written portion of the Contract Documents consisting of requirements for materials, equipment, construction systems, standards, and workmanship for the Work; performance of related services.

70. **Specified**: As written in Specifications.

71. **Subcontractor**: A person or entity that has a direct contract with Contractor to perform a portion of the Work at the Site. The term “Subcontractor” is referred to throughout the Contract Documents as if singular in number and neutral in gender and means a Subcontractor or an authorized representative of the Subcontractor. The term “Subcontractor” does not include a separate contractor or subcontractors of a separate contractor.

72. **Substantial Completion**: The Work (or a specified part thereof) has progressed to the point where, in the opinion of City as evidenced by a notice or certificate of Substantial Completion, the Work is sufficiently complete, in accordance with Contract Documents, so that the Work (or specified part) can be utilized for the purposes for which it is intended, and unperformed or incomplete work elements are minor in nature; or if no such certificate is issued, when the Work (or specified part) is complete and ready for final payment as evidenced by written recommendation of City for final payment. The terms “Substantially Complete” and “Substantially Completed” as applied to all or part of the Work refer to Substantial Completion thereof.

73. **Supplemental Instruction**: A written directive from City to Contractor ordering alterations or Modifications that do not result in change in Contract Sum or Contract Time, and do not substantially change Drawings or Specifications.

74. **Testing and Special Inspection Agency**: An independent entity engaged to inspect and/or test the workmanship, materials, or manner of construction of buildings or portions of buildings, to determine if such construction complies with the Contract Documents and applicable codes.

75. **Time Impact Evaluation (TIE)**: A written narrative and a schedule diagram depicting how the changed Work or other impact affects other scheduled activities, prepared by Contractor in conjunction with a Change Proposal Request (CPR) for Change Orders, Time Extensions, and Delays. See Document 01 3230 (Progress Schedules and Submittals), and Document 01 2600 (Modification Procedures).

76. **Underground Facilities**: All pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels or other such facilities or attachments, and any encasements containing such facilities that have been installed underground to furnish any of the following services or materials: Electricity, gases, chemicals, steam, liquid petroleum products, telephone or other communications, cable television, sewage and drainage removal, traffic or other control systems, or water.

77. **Unit Price Work**: Shall be the portions of the Work for which a unit price is provided in Document 00 5200 (Agreement) or Section 01 1100 (Summary).

78. **Work**: The entire completed construction, or the various separately identifiable parts thereof, required to be furnished under the Contract Documents within the Contract Time. Work includes and is the result of performing or furnishing labor and furnishing and incorporating materials and equipment into the construction, and performing or furnishing services and furnishing documents, all as required by the Contract Documents including everything shown in the Drawings and set forth in the Specifications. Wherever the word “work” is used, rather than the word “Work,” it shall be understood to have its ordinary and customary meaning.

B. **Other Defined Terms**

The following terms are not necessarily identified with initial caps; however they shall have the meaning set forth below:

References and Definitions 01 4200 - 7
1. Wherever words “as directed,” “as required,” “as permitted,” or words of like effect are used, it shall be understood that direction, requirements, or permission of City is intended. Words “sufficient,” “necessary,” “proper,” and the like shall mean sufficient, necessary, or proper in judgment of City. Words “approved,” “acceptable,” “satisfactory,” “favorably reviewed,” or words of like import, shall mean approved by, or acceptable to, or satisfactory to, or favorably reviewed by City.

2. Wherever the word “may” or “ought” is used, the action to which it refers is discretionary. Wherever the word “shall” or “will” is used, the action to which it refers is mandatory.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION
DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 4500

TESTING AND INSPECTION

PART 1 - GENERAL

1.01 SUMMARY
A. Section Includes:
   1. Regulatory requirements for testing and inspection.
   2. Contractor's quality control.
   3. Quality of the Work.
   4. Inspections and tests by governing authorities.
   5. Inspections and tests by serving utilities.
   6. Inspections and tests by manufacturer's representatives.

1.02 RELATED SECTIONS
A. Document 00 7200 General Conditions
B. Section 01 4100 Regulatory Requirements

1.03 CONTRACTOR'S QUALITY CONTROL
A. Contractor's Quality Control: Contractor shall ensure that products, services, workmanship and site conditions comply with requirements of the Drawings and Specifications by coordinating, supervising, testing and inspecting the work and by utilizing only suitably qualified personnel.
B. Quality Requirements: Work shall be accomplished in accordance with quality requirements of the Drawings and Specifications, including, by reference, all Codes, laws, rules, regulations and standards. When no quality basis is prescribed, the quality shall be in accordance with the best accepted practices of the construction industry for the locale of the Project, for projects of this type.
C. Quality Control Personnel: Contractor shall employ and assign knowledgeable and skilled personnel as necessary to perform quality control functions to ensure that the Work is provided as required.

1.04 QUALITY OF THE WORK
A. Quality of Products: Unless otherwise indicated or specified, all products shall be new, free of defects and fit for the intended use.
B. Quality of Installation: All Work shall be produced plumb, level, square and true, or true to indicated angle, and with proper alignment and relationship between the various elements.
C. Protection of Completed Work: Take all measures necessary to preserve completed Work free from damage, deterioration, soiling and staining, until Acceptance by the City.
D. Standards and Code Compliance and Manufacturer's Instructions and Recommendations: Unless more stringent requirements are indicated or specified, comply with manufacturer's instructions and recommendations, reference standards and building code research report
requirements in preparing, fabricating erecting, installing, applying, connecting and finishing Work.

E. Deviations from Standards and Code Compliance and Manufacturer's Instructions and Recommendations: Document and explain all deviations from reference standards and building code research report requirements and manufacturer's product installation instructions and recommendations, including acknowledgement by the manufacturer that such deviations are acceptable and appropriate for the Project.

F. Verification of Quality: Work shall be subject to verification of quality by City or Architect/Engineer in accordance with provisions of the General Conditions of the Contract.

1. Contractor shall cooperate by making Work available for inspection by City, Architect/Engineer or their designated representatives.

2. Such verification may include mill, plant, shop, or field inspection as required.

3. Provide access to all parts of the Work, including plants where materials or equipment are manufactured or fabricated.

4. Provide all information and assistance as required, including that by and from subcontractors, fabricators, materials suppliers and manufacturers, for verification of quality by City or Architect/Engineer.

5. Contract modifications, if any, resulting from such verification activities shall be governed by applicable provisions in the General Conditions of the Contract.

G. Observations by Architect/Engineer: Periodic and occasional observations of Work in progress will be made by Architect/Engineer as deemed necessary to review progress of Work and general conformance with design intent.

H. Limitations on Inspection, Test and Observation: Neither employment of independent testing and inspection agency nor observations by Architect/Engineer shall in any way relieve Contractor of obligation to perform Work in full conformance to all requirements of Contract Documents.

I. Rejection of Work: City reserves the right to reject all Work not in conformance to the requirements of the Drawings and Specifications.

J. Correction of Non-Conforming Work: Non-conforming Work shall be modified, replaced, repaired or redone by the Contractor at no change in Contract Sum or Contract Time.

K. Acceptance of Non-Conforming Work: Acceptance of nonconforming Work, without specific written acknowledgement and approval of the City, shall not relieve the Contractor of the obligation to correct such Work.

L. Contract Adjustment for Non-Conforming Work: Should City determine that it is not feasible or in City's interest to require non-conforming Work to be repaired or replaced, an equitable reduction in Contract Sum shall be made by agreement between City and Contractor. If equitable amount cannot be agreed upon, a Construction Change Directive will be issued and the amount in dispute resolved in accordance with applicable provisions of the General Conditions.

1.05 INSPECTIONS AND TESTS BY GOVERNING AUTHORITIES

A. Regulatory Requirements for testing and Inspection: Comply with Uniform Building Code (UBC) requirements and all other requirements of governing authorities having jurisdiction.

B. Inspections and Tests by Governing Authorities: Contractor shall cause all tests and inspections required by governing authorities having jurisdiction to be made for Work under this Contract.

1. Such authorities include the Division of Occupational Safety and Health (Cal/OSHA), City of Berkeley Public Works Department, Fire Department, and similar agencies.

2. Except as specifically noted, scheduling, conducting and paying for such inspections shall be solely the Contractor's responsibility.
1.06 INSPECTIONS AND TESTS BY SERVING UTILITIES
A. Inspections and Tests by Serving Utilities: Contractor shall cause all tests and inspections required by serving utilities to be made for Work under this Contract. Scheduling conducting and paying for such inspections shall be solely the Contractor’s responsibility.

1.07 INSPECTIONS AND TESTS BY MANUFACTURER’S REPRESENTATIVES
A. Inspections and Tests by Manufacturer’s Representatives: Contractor shall cause all tests and inspections specified to be conducted by materials or systems manufacturers to be made. Additionally, all tests and inspections required by materials or systems manufacturers as conditions of warranty or certification of Work shall be made, the cost of which shall be included in the Contract Sum.

1.08 INSPECTIONS BY INDEPENDENT TESTING AND INSPECTION AGENCY
A. City will select an independent testing and inspection agency or agencies to conduct tests and inspections as indicated on Drawings, in Specifications and as required by governing authorities having jurisdiction.
B. Responsibility for payment for tests and inspections shall be as indicated in schedule below. All time and costs for Contractor’s service related to such tests and inspections shall be included in Contract Time and Contract Sum.
C. Contractor shall notify City and, if directed by City, testing and inspection agency, when Work is ready for specified tests and inspections.
D. Contractor shall pay for all additional charges by testing and inspection agencies and governing authorities having jurisdiction due to the following:
   1. Contractor’s failure to properly schedule or notify testing and inspection agency or authorities having jurisdiction.
   2. Changes in sources, lots or suppliers of products after original tests or inspections.
   3. Changes in means methods, techniques, sequences and procedures of construction which necessitate additional testing, inspection and related services.
   4. Changes in mix designs for concrete and mortar after review and acceptance of submitted mix design.
E. Tests and inspections shall include the following:

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<tr>
<th>Section</th>
<th>Inspections and Tests</th>
<th>Paid by</th>
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<tbody>
<tr>
<td>Section 116813</td>
<td>Play Equipment Inspection</td>
<td>Paid by Contractor</td>
</tr>
<tr>
<td>Section 136813</td>
<td>Compressive Strength &amp; Absorption</td>
<td>Paid by Contractor</td>
</tr>
<tr>
<td>Section 265200</td>
<td>Insulation Resistance, Continuity, Grounds</td>
<td>Paid by Contractor</td>
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<tr>
<td>Section 312000</td>
<td>Materials and compaction</td>
<td>Paid by City.</td>
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<td>Section 321123</td>
<td>Materials and compaction</td>
<td>Paid by City.</td>
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<td>Section 321216</td>
<td>Compaction</td>
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Testing and Inspection 01 4500 - 3
F. Test and Inspection Reports: After each inspection and test, one copy of report shall be promptly submitted each to Architect/Engineer, City, City's field representative, Contractor and to agency having jurisdiction (if required by Code).

1. Reports shall clearly identify the following:
   a. Date issued.
   b. Project name and number.
   c. Identification of product and Specifications Section in which Work is specified.
   d. Name of inspector.
   e. Date and time of sampling or inspection.
   f. Location in Project where sampling or inspection was conducted.
   g. Type of inspection or test.
   h. Date of test.
   i. Results of tests.
   j. Comments concerning conformance with Contract Documents and other requirements.

2. Test reports shall indicate specified or required values and shall include statement whether test results indicate satisfactory performance of products.

3. Samples taken but not tested shall be reported.

4. Test reports shall confirm that methods used for sampling and testing conform to specified test procedures.

5. When requested, testing and inspection agency shall provide interpretations of test results.

6. Verification reports shall be prepared and submitted, stating that tests and inspections specified or otherwise required for the project, have been completed and that material and workmanship comply with the Contract Drawings and Specifications. Verification reports shall be submitted at intervals not exceeding 6 months, at Substantial Completion of the Project, and at all times when Work of Project is suspended.

G. Contractor Responsibilities in Inspections and Tests:

1. Notify testing and inspection agencies 24 hours in advance of expected time for operations requiring inspection and testing services.

2. Deliver to laboratory or designated location, adequate samples of materials proposed to be used which require advance testing, together with proposed mix designs.

3. Cooperate with testing and inspection agency personnel, City's field representative, Architect/Engineer. Provide access to Work areas and off-site fabrication and assembly locations, including during weekends and after normal work hours.

4. Provide incidental labor and facilities to provide safe access to Work to be tested and inspected, to obtain and handle samples at the Project site or at source of products to be tested, and to store and cure test samples.

5. Provide, at least 15 calendar days in advance of first test or inspection of each type, a schedule of tests or inspections indicating types of tests or inspections and their scheduled dates.
6. Provide 24 hours advance notice to the Project Manager, Architect/Engineer of each test and inspection, as directed.

a. When tests or inspections cannot be performed after such notice, reimburse City for Testing Laboratory personnel and travel expenses incurred due to Contractor's negligence.

1.09 ADDITIONAL TESTING AND INSPECTION

A. If initial tests or inspections made by the Testing Laboratory reveal that materials do not comply with Contract Documents, or if City has reasonable doubt that materials do not comply with Contract Documents, additional tests and inspections shall be made as directed.

1. If additional tests and inspections establish that materials comply with Contract Documents, all costs for such tests and inspections shall be paid by City.

2. If additional tests and inspections establish that materials do not comply with Contract Documents, all costs of such tests and inspections shall be deducted for Contract Sum.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION
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PART 1 - GENERAL

1.01 RELATED DOCUMENTS
   A. General Conditions Document 00 7200
   B. Supplemental General Conditions Document 00 7201

1.02 SUMMARY
   A. This section describes the temporary facilities required for the Project site. The Project site shall be maintained by the Contractor as set forth in this section unless otherwise added to or superseded by the requirements of Document 00 7200 (General Conditions).

1.03 TEMPORARY FACILITIES
   A. The Contractor shall obtain permits for, install and maintain in safe condition, whatever scaffolds, hoisting equipment, barricades, walkways, or other temporary structures which may be required to accomplish the work on the Project. Such structures shall be adequate for the intended use and capable of safely accepting all loads that may be imposed upon them. They shall be installed and maintained in accordance with all applicable State and local codes and regulations.
   B. The Contractor shall provide and maintain temporary heat from an approved source whenever in the course of the Work it may become necessary for curing and drying of materials, or to warm spaces as may be required for the installation of materials or finishes.
   C. The Contractor shall provide and maintain any and all facilities that may be required for dewatering in order that work may proceed on the Project. If it is necessary for dewatering to occur continually, the Contractor shall have on hand whatever spare parts or equipment that may be required to prevent interruption of dewatering.
   D. The Contractor shall provide and maintain all utility services necessary to perform the work under this Contract.
   E. Materials, tools, accessories, etc., shall be stored only where directed by the City. Storage area shall be kept neat and clean. Security of stored items shall be the Contractor's responsibility.
   F. Flammable materials stored on site, shall be stored in a safe and secure manner per the manufacture's direction. Extra precautions, including clear identification, shall be the responsibility of the Contractor.
   G. The Contractor shall maintain an office at the Project site that will be his headquarters for the Project. Any communications delivered to this office shall be considered as delivered to Contractor. Location and size of office shall be such that it will adequately serve the needs of the Contractor's superintendent and assistants in the performance of their duties.
   H. The Contractor shall promptly remove all such temporary facilities when they are no longer needed for the work or for completion of the Project, mutually agreed upon by the Contractor and the City.

1.04 SIGNS
   A. No signs may be displayed on or about the City's property (except those required by law) without the City's specific approval; the size, content, and location to be as specified by the City.
City.

1.05 USE OF ROADWAYS AND WALKWAYS

A. Contractor shall never block or interfere with use of any existing roadway, walkway or other facility for vehicular or pedestrian traffic, from any party entitled to use it. Wherever and whenever such interference becomes necessary for the proper and convenient performance of the Work, and no satisfactory detour route exists, Contractor shall, before beginning the interference, notify City and post signs at least 72 hours in advance of such interference, and provide a satisfactory detour, including temporary bridge if necessary, or other proper facility for traffic to pass around or over the interference. Contractor shall maintain the detour in a safe and satisfactory condition as long as the interference continues, all without extra payment unless otherwise expressly stipulated in the Specifications.

B. Contractor shall at all times comply with any and all requirements applying to the work under the transportation, circulation and parking mitigation measures, truck and construction access plan.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION
DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 5526

TRAFFIC CONTROL


As required, the Contractor shall submit a Traffic Control Plan to the City of Berkeley’s Transportation Division or the California Department of Transportation (Caltrans).

Construction area signs and temporary traffic control devices shall be furnished, installed, maintained and removed by the Contractor. Traffic signage, e.g., warning signs and detour signs, may be required for this project. Contractor shall be responsible for placing all barricades for perimeter street closures as required. Per Section 501.10 – Traffic Control of the General Provisions, at main entry and exit points of each work location, the Contractor shall provide a 30" x 30" sign advising the public of the anticipated period of time that traffic delays may be anticipated. This sign will also include name and telephone number of the Contractor along with starting and completion dates of the contract. Sign will be erected 7 calendar days in advance of any work.

Construction work requiring traffic control on San Pablo Avenue (State Route 123) or Ashby Avenue (State Route 13) will require an encroachment permit from Caltrans. Contractor is soley responsible for obtaining and abiding by any necessary encroachment permits. The permit fees and other associated costs to obtain the required permits from the State of California shall be included in the cost bid for this item. Contractor shall be responsible for providing traffic control plan for encroachment permit to and obtaining approval of said traffic control plan from State of California. Contractor shall be responsible for all notification of work to, application for and obtaining work authorization number from Caltrans. Any damages arising from work related to encroachment permit shall be the responsibility of the Contractor.

The Contractor shall be responsible for posting "No Parking" signs a minimum of four calendar days in advance of concrete work, paving operations, failed area, and planning work so as to comply with the City’s construction notification requirement of 4 days. Cones shall not be used as barricades. "No Parking" signs may be obtained from the City at no cost to the Contractor. The "No Parking" signs shall be updated as necessary. The Contractor shall check and maintain (e.g., re-install missing signs, reposition displaced barricades, etc.) postings on a regular basis prior to start of work.

If traffic is to be detoured over a centerline or detoured in advance of the work, detour plans must be part of the submitted Traffic Control plans and approved by the City prior to starting work. Police, Fire and Public Works Department shall be notified by the contractor at least four calendar days in advance of any work which will interfere with the normal flow of vehicular or pedestrian traffic. Intersection closure may only occur if the two adjacent intersections remain open, unless otherwise approved by the City. The Contractor shall coordinate his traffic control/diversion plan with the City, a minimum of 3 weeks prior to starting work, to assure that traffic is diverted in a safe and convenient manner.

**Truck routes shall be approved by the City prior to start of work.**

Truck traffic is not allowed on Marin Avenue within the City of Albany. Personal vehicles of the Contractor’s employees shall not be parked within the area of work.
A minimum of one (paved) traffic lane, not less than 12 ft. wide, shall remain open for use by public traffic during construction operations. When construction operations are not actively in progress, not less than two such lanes shall be open to public traffic. The Contractor may be allowed to close residential streets if approved in writing in advance by the City. No work that interferes with public traffic shall be performed between 6:00 p.m. and 7:00 a.m.

Start of work shall be no earlier than 7:00 a.m. No work process, including starting, warm up, and delivery of equipment, shall be done outside of work hours. The use of vehicle horns to alert residents to move their vehicles out of the construction zone is not permitted. The Contractor should attempt to locate vehicle owners by knocking on doors.

The full width of the traveled way shall be open for use by public traffic on Saturdays, Sundays and designated legal holidays, and when construction operations are not actively in progress, unless specified otherwise.

Minor deviations from the requirements of this section concerning hours of work may be permitted upon the written request of the Contractor, if in the opinion of the City, public traffic will be better served and the work expedited. Such deviations shall not be adopted until the City provides written approval.

The traffic control system shall consist of closing traffic lanes in accordance with the Traffic Control Manual. Signs and other devices for the traffic control system shall conform to the Traffic Control Manual.

If any component in the traffic control system is damaged, displaced or ceases to operate or function as specified, from any cause during the progress of the work, the Contractor shall immediately repair said component to its original condition or replace said component and shall restore the component to its original location.

Lane closures may be made for work periods only. At the end of each work period, all components of the traffic control system shall be removed from the traveled way, shoulder and auxiliary lanes. If the Contractor so elects, said components may be stored at selected central locations approved by the City within the limits of the public right-of-way.

Sufficient barricades and flashing lights shall also placed to supplement all traffic signs used to divert and control traffic. Signs and barricades shall be checked periodically every day and replaced or repaired as necessary. Any hazardous conditions shall be immediately eliminated.

The Contractor, at the end of each day, shall provide ADA compliant pedestrian and vehicle crossings at all street intersections. If the project is left open overnight, it shall be graded in such a way that pedestrians and vehicles can safely pass through the project. Temporary concrete, asphalt, or wood ramps shall be installed and maintained at all locations where existing ramps have been temporarily removed.

Cleanliness is extremely important. Dust producing conditions shall be eliminated as soon as they are created.

If Contractor violates any of these provisions, a fine of $1,000 will be assessed for the first violation, $5,000 for the second and $10,000 for the third and further subsequent violations.

ACCESS AND EGRESS

The Contractor shall endeavor to cooperate with all business owners and residents occupying properties fronting on the streets in the matter of access and egress. **Contractor shall maintain a clear and accessible pedestrian corridor.**

Where a business property has more than two vehicular paths of access, one path, 10 feet in width, shall remain open during all business hours, unless accepted by the City.
LANE CLOSURES

No lane closures shall be permitted on the following streets Monday through Friday between 7:00 A.M. – 9:00 A.M. and 4:00 P.M. – 6:00 P.M., and Saturdays between 10:00 A.M. – 2:00 P.M., unless approved in advance by the City, if it can be explained why such closure cannot reasonably be avoided. On Saturdays when UC football games are scheduled all construction-related lane closures along these corridors must be reopened at least 4 hours before the start of the game and remain open for 2 hours after the conclusion of the game.

Major Streets:

- University Avenue
- San Pablo Avenue
- Shattuck Avenue
- Telegraph Avenue
- Sacramento Street
- Martin Luther King Jr. Way
- Ashby Avenue
- College Avenue
- Gilman Avenue
- Adeline Street

Notwithstanding the above, the City reserves the right to review and comment on each individual traffic control plan based on its own merits.

Note: Routine maintenance, inconvenience to construction method or schedule, or adverse impacts on cost of work will generally not be accepted as grounds for exceptions.
DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 5700

TEMPORARY CONTROLS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS
   A. General Conditions Document 00 7200
   B. Supplemental General Conditions Document 00 7201

1.02 SUMMARY
   A. This section describes the temporary controls required for the Project site. The Project site shall be maintained by Contractor as set forth in this section unless otherwise added to or superseded by the requirements of Document 00 7200 (General Conditions).

1.03 TEMPORARY CONTROLS
   A. Contractor shall obtain permits for, install and maintain in safe condition, whatever scaffolds, equipment, shoring, barricades, walkways, or other temporary structures which may be required to accomplish the Work. Such items shall be adequate for the intended use and shall be installed and maintained in accordance with all applicable State and local codes and regulations.

   B. The Contractor shall perform a pre-construction audio/video tape survey and provide supplemental photographic documentation to adequately document the condition of existing improvements. It is the responsibility of the Contractor to adequately document the condition of existing improvements and the Contractor may be held liable for any damage or condition whose pre-existence he/she is unable to document. No additional compensation for such tape survey and still photographs will be allowed.

   C. Upon notification of the City, the Contractor shall correct any deficiencies of the temporary controls within 72 hours. The City may request City crews or contract with another contractor to perform the necessary work and repairs if the deficiencies have not been corrected after the 72-hour notification. The Contractor shall pay the cost of the work performed by the City crews or other contractor plus an additional seventy percent (70%) surcharge by deduction from payment due on the contract.

   D. The Contractor shall begin cleanup operation at least one hour before the end of each day's work, clean all paved portions of the project and paved streets leading from the project that have dust-producing materials or debris deposited upon them. The work areas shall be swept clean at the end of each day's work and at other times when directed by the City.

1.04 DUST AND DEBRIS CONTROLS
   A. The Contractor shall be responsible for controlling dust in the air and rocks, debris, mud or dirt which are scattered as a result of his operations on the job. The Contractor shall be responsible for cleaning all mud, rock, dust, dirt, and debris-producing materials that originate in the project area and are deposited on other public or private property by truck tires, spillages, or by other means. The Contractor shall have suitable and adequate street cleaning equipment on the project site at all times.

   B. The Contractor shall endeavor, whenever possible, to restrict the use of water to control dust for his convenience in order to conserve water during drought situations or
mandated rationing required by the Water Utility Company. Whenever flushing of streets or any other work is necessary, the Contractor shall provide filter materials at the catch basin to retain any debris and dirt flowing into the City’s drainage system.

C. The cost of the above work, including the providing of barricades, water and other materials, labor, and equipment shall be at the sole cost and expense of the Contractor.

D. The City may determine that an emergency exists when dust, rocks, debris, mud, or dirt are scattered in the public right of way or in the private properties as a result of Contractor’s activities and/or deterioration of such conditions due to rain. The emergency conditions may also be declared when traffic or the Contractor’s equipment travelling through a job causes dust to fly or rocks, debris, mud, or dirt to be scattered. Similar emergency conditions may be determined by the City’s Representative if the storage of materials, tools, or any other equipment related to the project, in the public rights of way, is causing any obstruction or blocks access to the neighboring properties and/or dangerously placed without proper barricades and lights and/or backfill stockpiles or debris washing away into the street gutter and catch basins.

1.05 NOISE CONTROL

A. Equipment which operates with noise levels in excess of 85 decibels measured on the A-weighted scale defined in ANSI S-1.4 at a distance of 100 feet from the equipment is prohibited.

B. All equipment and impact tools shall have mufflers to comply with specified noise control.

C. Use of unusually noisy equipment, such as jackhammers and roto-hammers is prohibited.

D. Exterior construction work is limited to the hours of 8 AM to 5 PM.

E. Cooperate with City if an ongoing construction activity becomes objectionable by its longevity, or by overlapping into an activity started later by the City. It is understood and agreed that both parties shall cooperate so that neither will be unduly inconvenienced by this requirement.

F. Comply by requirements specified in the various sections.

1.06 CLEAN UP

A. The Contractor shall not allow the site of the work to become littered with trash, rubbish, and waste material but shall maintain the same in a neat and orderly condition throughout the construction period. Cleanup, debris and dust control shall be a daily maintenance requirement. The City shall have the right to determine what is or is not trash, rubbish or waste material and the place and manner of disposal.

B. The Contractor shall maintain a neat appearance to the work. Contractor shall promptly remove splattered concrete, asphalt, oil, paint, corrosive liquids and cleaning solutions from surfaces to prevent marring or other damage.

C. Broken concrete debris, and unsuitable excavated native soil during construction shall be disposed of concurrently with its removal. If stockpiling is necessary all debris shall be placed in trash bins daily and shall be removed or disposed of weekly. Any waste shall not be buried on the site or disposed of into storm drains, sanitary sewers, streams, or waterways.

D. Forms or falsework that are to be re-used shall be stacked neatly concurrently with their removal. Forms and falsework that are not to be re-used shall be disposed of concurrently with their removal.

E. Full compensation for conforming to the provisions in this section, not otherwise provided for, shall be considered as included in prices paid for the various contract items of work involved and no additional compensation will be allowed therefore.

F. Sidewalks, street area, parking strips, and driveway approaches must be kept reasonably
clean at all times during construction and be completely and carefully cleaned after the work has progressed beyond the immediate vicinity to the satisfaction of the City's Representative. Reasonable cleanup is defined as no dust, rock, or mud on any portion of the public right-of-way or the private properties as a result of the Contractor's work.

1.07 EMERGENCY CLEAN UP WORK

A. In any case in which the Contractor fails to satisfactorily complete the cleanup work described in this section, the City may determine that an emergency exists. In the event an emergency is determined by the City, the Contractor will be notified by the City to correct the violation immediately. The Contractor shall immediately make available manual labor or mechanical equipment capable of handling the cleaning process. During such an emergency, City forces may be called upon to complete the cleanup work, or the City may contract for the cleanup work. All construction work shall be shut down during this cleanup work by the City/contract forces. The City may shut down further construction work until the violations are corrected to the satisfaction of the City. The cost of the work performed by City/Contract forces plus an additional 70% surcharge shall be paid by the Contractor by deduction from payment due him on the contract. No compensation shall be given to the Contractor for stoppage of work.

B. Such action by the City, however, shall not relieve the Contractor of his responsibility for any damages which may occur before, during or after such action has been taken by the City, and shall place no liability upon the City.

1.08 FINAL CLEAN UP

A. Upon completion of the work, and before acceptance and final payment, the Contractor shall clean the project areas and remove all surplus and discarded materials, falsework, rubbish and temporary structures and restore in an acceptable manner all property, both public and private, which has been damaged during the prosecution of the work, and shall leave the improvement in a neat and presentable condition throughout the entire length of the improvement under contract to the satisfaction of the City. If the Conditions as noted above are not corrected immediately, the City may declare an emergency and take necessary action in accordance with the Emergency Cleanup Work section of this specification.

1.09 CLEAN UP AND SAFETY

A. If the Contractor stockpiles granular material in the gutter, he must provide a minimum 4” pipe below the stockpile in the gutter to accommodate typical gutter flow. Any lumber or stockpiles on the site, not ready for immediate use, shall be free of nails or torn edges that may cause injury. Any materials stockpiled in the street and any open excavation shall have barricades equipped with operative automatic flashers placed at each end. The Contractor shall maintain a neat appearance at all times. All material removed shall be disposed of off-site in a legal manner.

B. The Contractor must take special precautions to protect the public and City employees from bodily and property damage resulting from the work. Contractor must exercise all necessary precautions to ensure a safe execution of the work.

1.10 CREEK PROTECTION [OPTIONAL]

A. The Contractor shall be responsible for and conduct all aspects of the work within the requirements of BMC Chapter 17.08 – PRESERVATION AND RESTORATION OF NATURAL WATERCOURSES (Creek Ordinance), and any other creek protection requirements by other agencies.

B. Portions of Work involving a creek channel may not be permitted between October 15 through April 15 or other dates as may be stipulated in applicable permits.
C. Any work between creek banks shall be conducted to not create conditions, which will allow erosion, and shall be fully restored to at least the same erosion resistant condition as before the Work.

D. Complying with the requirements of creek protection shall include but not be limited to scheduling the Work around any time periods prohibiting work within creek limits, installing erosion control measures and employing appropriate BMPs for controlling erosion, monitoring, updating and modifying BMPs to meet the requirements for changing site conditions to comply with erosion control and creek protection, replanting creek banks to reestablish erosion resistance and bank stability.

1.11 PROJECT SITE MAINTENANCE

A. Water Pollution Control. The intent of these requirements is to enforce federal, state, and other local agencies' regulations that prohibit storm water pollution at construction sites. Storm drains discharge directly to creeks and the Bay without treatment, and discharge of pollutants (i.e., any substance, material, or waste other than uncontaminated storm water) into the storm drain system is strictly prohibited.

B. The term “storm drain system” shall include storm water conduits, storm drain inlets and other storm drain structures, street gutters, channels, watercourses, creeks, lakes, and the San Francisco Bay.

C. For the purpose of eliminating storm water pollution, the Contractor shall implement effective control measures at construction sites. There are several publications that provide guidance on selecting and implementing effective control measures known as Best Management Practices (BMPs). BMPs include schedules of activities, prohibition of specific practices, general good housekeeping practices, operational practices, pollution prevention practices, maintenance procedures and other management procedures to prevent the discharge of pollutants directly or indirectly to the storm drain system. BMPs also include the construction of some facilities that may be required to prevent, control, and abate storm water pollution. The reference publications are as follows:

2. California Storm Water Best Management Practice Handbook - Construction Activity

These handbooks may be purchased from Blue Print Service (BPS), 1700 Jefferson St, Oakland, CA 94612.


4. Heavy Equipment Operation, Fresh Concrete & Mortar Application, Painting & Application of Solvents & Adhesives, Roadwork & Paving Activities, General Construction & Site Supervision, Parking Lots and Finish the Pour Right

These brochures are available at the Engineering Division, 1947 Center Street, 4th Floor, Berkeley, CA 94704.

1.12 STORMWATER POLLUTION CONTROL

A. Stormwater Pollution Control. The intent of these requirements is to comply with federal, state, and other local agencies’ regulations that prohibit non-stormwater discharges to storm drain sewer systems, creeks and San Francisco Bay. Storm drain sewers discharge directly to creeks and the Bay without treatment, and discharge of pollutants (any substance, material, or waste other than rainfall derived stormwater) into the storm drain sewer system is strictly prohibited. Further, the Contractor is informed that Federally Endangered species have been identified in creeks within the City Limits. The storm drain sewer system, pollutants, and other relevant information are further defined in
Berkeley Municipal Code (BMC) Chapter 17.20 DISCHARGE OF NON-STORMWATER INTO CITY’S STORM DRAIN SYSTEM – REDUCTION OF STORMWATER POLLUTION, and the City’s stormwater NPDES (National Pollutant Discharge Elimination System) Permit No. CAS612008. These documents are available upon request.

B. Best Management Practices (BMP) and Source Control. The contractor shall use appropriate BMPs and source control techniques on the site(s) at all times, regardless of time of year or rainfall conditions, in order to prohibit the discharge of non-stormwater discharges into the storm drain sewer system, creeks, and Bay. BMPs shall be in conformance with the California Stormwater Quality Association’s “Stormwater Best Management Practice Handbook”, current edition.

C. Water Pollution Control Plan (WPCP) and Coordinator. The Contractor shall prepare, submit for favorable review by the City, and implement a WPCP which shall contain at a minimum the items included in this section.

1. The Contractor shall designate an individual (to be approved by the City) available at all times of sufficient authority to halt work and implement BMPs and source control measures for the Contractor and all sub-contractors, suppliers, and other personnel that may be at the construction site(s), to prevent non-stormwater discharges from the construction site(s). This individual shall be the contact person for all matters of the project regarding non-stormwater discharges.

2. The WPCP shall show the locations of all storm drains, storm drain pipes, creeks, creek culverts, points of entry (catch basins, inlets, outlets), and other features through which stormwater flows.

3. The WPCP shall identify each point of entry and show how each entry point will be protected. The WPCP shall include a protocol for allowing drainage to flow properly during rainfall events WHILE STILL PREVENTING non-stormwater discharges from entering the storm drains, creeks, and Bay.

4. The WPCP shall include descriptions and sketches of all BMPs, show locations and describe protocols for implementing and maintaining the following BMPs for but not limited to material storage, dewatering operations, bypass pumping, saw-cutting operations, pavement operations, concrete operations, grading and excavation operations, spill prevention and control, vehicle and equipment cleaning, vehicle and equipment operation and maintenance, litter control, dust control, pavement cleaning, and construction waste management.

5. All employees, subcontractors, suppliers, and any others involved with the construction site(s) shall be trained in implementing, the importance of, and purpose of the WPCP.

6. The WPCP shall be updated to meet changing stages of the construction site(s). Work shall not begin without the City completing its review and finding no exceptions taken on the WPCP and finding at City’s sole discretion that the WPCP meets the intent and goals of the project.

7. In addition, the Contractor shall observe the following guidelines:
   a. Paving during wet weather:
      i. No paving while it is raining.
      ii. No paving of the top lift of asphalt concrete (AC) on any day that experiences ¼” of rain in a twenty-four period.
      iii. No paving of bottom lift if previous seventy-two (72) hour period experienced more than ½” of rain, unless directed by the City Engineer or his designee.
   b. Store materials as required by BMPs.
   c. Cover inlets and manholes when applying asphalt, seal coat, tack coat, slurry seal, fog seal, etc., and while sawcutting, grooving, and grinding, etc.
d. Place drip pans or absorbent materials under equipment when not in use.

e. During wet weather, store paving equipment indoors or cover with tarp or other waterproof covering.

f. Sweep site daily to prevent sand, gravel or excess asphalt from entering or being transported by rain into the storm drain system.

g. Keep ample supplies of drip pans or absorbent materials on-site.

h. If paving involves Portland cement concrete:

   i. Do not wash out concrete trucks into storm drains, open ditches, streets, streams, etc. The Contractor shall prevent the discharge of pollutants from concrete operations by using measures to prevent run-on and run-off pollution, properly disposing of wastes, and by implementing the following BMP's:

      a. Store all materials in waterproof containers or under cover away from drain inlets or drainage areas.


      c. Whenever possible, perform washout of concrete trucks off-site where discharge is controlled and not permitted to discharge to the storm drain system.

   ii. For on-site washout:

      a. Locate washout area at least fifty (50) feet from storm drains, open ditches or other water bodies, preferably in a dirt area.

      b. Confine run-off from this area by constructing a temporary pit or bermed area large enough for the liquid and solid waste.

   iii. Wash out concrete wastes into the temporary pit where the concrete can set, be broken up and then disposed of properly. If the volume of water is greater than what will allow concrete to set, allow the wash water to infiltrate and/or evaporate, if possible. Remove or vacuum the remaining silt and debris from the ponding or bermed area and dispose of it properly.

   iv. Dispose of waste water from washing of exposed aggregate to dirt area. The dirt area shall be adequate to contain all the waste water and once the waste water has infiltrated, any remaining residue must be removed.

   v. Collect and return sweepings from exposed aggregate concrete to a stockpile or dispose of the waste in trash container.

D. Training. Contractor is responsible for ensuring all personnel, laborers, sub-contractors, suppliers, and any other personnel that are involved with the Work are trained in the importance of preventing non-stormwater discharges. Each worker shall be trained or certified as being trained before being allowed to work. Before any work begins, the Contractor shall submit and certify under penalty of perjury a list of all workers who have been trained on the importance of pollution prevention, BMP and source control operation and maintenance, and recognize the authority of the City to stop the work in the event of a non-stormwater discharge. The training shall include as a minimum, review of the BMP and WPCP, and all BMP's (including BMP operation and maintenance) that are planned for the Work.

E. Enforcement. The City has the authority through this contract and appropriate sections of the BMC to enforce any portions of this section. City enforcement may include but is not limited to: citations, orders to abate, bills for City cleanup costs and administration, civil suits, and criminal charges and enforcement. Enforcement action by the City does not void or suspend any enforcement actions by other agencies, and actions by the City and other agencies shall be cumulative.

F. Submittals and Contract Time. Contractor is cautioned and advised to have appropriately trained staff with any applicable certifications prepare all submittals for Storm Water Pollution Controls including the WPCP, and have appropriately trained staff available to meet with City staff to review the submittals. It is considered reasonable that the
Contractor shall make a complete and acceptable submittal at least by the second submission. The City reserves the right to deduct monies from payments due Contractor to cover additional costs of City's and Architect/Engineer's review beyond the second submission. Illegible submittals will be rejected and returned to the Contractor.

G. Payment. There shall be no separate pay item for complying with the provisions of this section, unless a separate pay item is provided in the bid schedule.

PART 2 - PRODUCTS – NOT USED
PART 3 - EXECUTION – NOT USED

END OF SECTION
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PART 1 - GENERAL

1.01 SUMMARY
A. Contractor shall be responsible for all cutting, fitting, and patching required to complete the work and to:
   1. Make its several parts fit together properly,
   2. Uncover portions of the work to provide for installation of ill-timed work,
   3. Remove and replace defective work,
   4. Remove and replace work not conforming to requirements of Contract Documents,
   5. Provide routine penetrations of nonstructural surfaces for installation of electrical conduit, plumbing, and ductwork,
   6. Remove Samples of installed work as specified for testing.

1.02 SUBMITTALS
A. Submit a written request to the Architect/Engineer two weeks in advance of executing any cutting or alteration that affects the following and is not specifically indicated on the Drawings as part of the Scope of Work:
   1. Work of the City or any separate contractor,
   2. The structural value or integrity of any element of the completed building,
   3. The integrity or effectiveness of weather-exposed or moisture-resistant elements or systems,
   4. The efficiency, operational life, maintenance, and safety of operational elements,
   5. The visual qualities of sight-exposed elements.

B. The request shall include:
   1. The necessity for cutting or alteration,
   2. The effect on the work of the City or any separate contractor or on the structural or weatherproof integrity of the building,
   3. Description of the Proposed Work:
      a. The scope of cutting, patching, alteration, or excavation,
      b. The trades who will execute the work,
      c. The products proposed to be used,
      d. The extent of refinishing to be done.
   4. Alternatives to cutting and patching,
   5. Cost proposal, when applicable,
   6. Written permission of any separate contractor whose work will be affected.

C. Should conditions of the work or the schedule indicate a change of products from the original installation, submit a request for substitution per Section 00 6325 Substitution Request Form.
PART 2 - PRODUCTS

2.01 MATERIALS
A. Comply with specifications and standards for each specific product involved.

PART 3 - EXECUTION

3.01 EXAMINATION
A. Examine existing conditions of the Project, including elements subject to damage or to movement during cutting and patching.
B. After uncovering work, examine the conditions affecting the installation of products or performance of the Work.
C. Report unsatisfactory or questionable conditions to the Project Manager in writing. Do not proceed with the work until the Project Manager has provided further instructions.

3.02 PREPARATION
A. Provide adequate temporary support as necessary to assure the structural value or integrity of the affected portion of the work.
B. Provide devices and methods to protect other portions of the Project from damage.
C. Provide protection from the elements for that portion of the Project that may be exposed by cutting and patching work.

3.03 PERFORMANCE
A. Execute cutting and demolition by methods that will prevent damage to other work and will provide proper surfaces to receive installation of repairs.
B. Execute fitting and adjustment of products to provide a finished installation to comply with specified products, functions, tolerances, and finishes.
C. All plumbing, mechanical, and electrical system elements shall be concealed, unless indicated otherwise.
D. Restore work which has been cut or removed; install new products to provide completed work in accordance with requirements of Contract Documents.
E. Fit work airtight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
F. Refinish entire surfaces as necessary to provide an even finish to match adjacent finishes.
   1. For continuous surfaces, refinish to nearest intersection.
   2. For an assembly, refinish the entire unit.

END OF SECTION
DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 7413

PROJECT CLEANING

PART 1 - GENERAL

1.01 SUMMARY

A. Maintain Project Site, surrounding areas and public properties free from accumulations of waste, debris, and rubbish, caused by operations.

B. At completion of Work, remove waste materials, rubbish, tools, equipment, machinery and surplus materials, and clean all sight-exposed surfaces; leave Project Site clean and ready for occupancy.

1.02 GENERAL

A. Conduct cleaning and disposal operation in accord with legal requirements.

1. Do not burn or bury rubbish and waste materials on Project Site.

2. Do not dispose of volatile wastes in storm or sanitary drains.

B. Hazards control:

1. Store volatile wastes in covered metal containers, and remove from premises daily.

2. Prevent accumulation of wastes which create hazardous conditions.

3. Provide adequate ventilation during use of volatile or noxious substances.

   Note: Care shall be taken that discharge of volatile or noxious exhaust shall be shielded from air intakes of hospital mechanical systems.

1.03 MATERIALS

A. Use only cleaning materials recommended by manufacturer of surface to be cleaned.

B. Use cleaning materials only on surfaces recommended by cleaning material manufacturer.

1.04 DUST CONTROL

A. Clean interior spaces prior to start of finish painting, and continue cleaning as required until painting is completed.

1.05 DURING CONSTRUCTION

A. Execute cleaning daily to ensure Project Site, City's premises, adjacent and public properties are maintained free from accumulations of waste materials and rubbish.

B. Wet down dry materials and rubbish to control dust.

C. At reasonable intervals during progress of Work, clean Project Site and public properties, and dispose of waste materials, debris and rubbish.

D. Provide on Project Site dump containers for collection of waste materials, debris and rubbish. Hospital waste containers shall not be used for construction waste.

E. Remove waste materials, debris and rubbish from City's premises and legally dispose of off City's property.

F. Vacuum clean interior areas when ready to receive finish painting, and continue vacuum cleaning on an as-needed basis until building is ready for substantial completion or
occupancy.

G. Handle materials in a controlled manner with as few handlings as possible. Do not drop or throw materials.

H. Schedule cleaning operations so that dust and other contaminants resulting from cleaning process will not fall on wet, newly painted surfaces.

1.06 FINAL CLEANING

A. Employ experienced workers, or professional cleaners for final cleaning.

B. In preparation for Substantial Completion or occupancy, conduct final inspection of sight-exposed interior and exterior surfaces, and of accessible concealed spaces.

C. Remove grease, dust, dirt, stains, labels, fingerprints, and other foreign materials from sight-exposed finished surfaces; polish surfaces so designated to shine finish.

D. Repair, patch and touch up marred surfaces to specified finish, and to match adjacent surfaces.

E. Broom clean paved surfaces.

F. Keep Project clean until it is occupied by the City.

G. Clean equipment and fixtures to a sanitary condition.

H. Clean or replace, if required, filters of operating equipment.

I. Clean Debris from roofs, gutters, downspouts and drainage systems.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION
DIVISION 1 GENERAL REQUIREMENTS

SECTION  01 7419

CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. This Section includes administrative and procedural requirements for the following:
   1. Salvaging and recycling nonhazardous demolition and construction waste.
   2. Disposing of nonhazardous demolition and construction waste.

B. Related Sections include the following:
   1. Division 01 Section “Temporary Facilities and Controls” for environmental-protection measures during construction.

1.03 DEFINITIONS

A. Construction Waste: Building and site improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging.

B. Demolition Waste: Building and site improvement materials resulting from demolition or selective demolition operations.

C. Disposal: Removal off-site of demolition and construction waste and subsequent sale, recycling, reuse, or deposit in landfill or incinerator acceptable to authorities having jurisdiction.

D. Recycle: Recovery of demolition or construction waste for subsequent processing in preparation for reuse.

E. Salvage: Recovery of demolition or construction waste and subsequent sale or reuse in another facility.

F. Salvage and Reuse: Recovery of demolition or construction waste and subsequent incorporation into the Work.

1.04 PERFORMANCE REQUIREMENTS

A. General: Develop waste management plan that results in end-of-Project rates for a minimum salvage/recycling percent by weight of total waste generated by the Work, as required by the Berkeley Municipal Code 19.37 Berkeley Green Code.

B. Salvage/Recycle Goals: Owner's goal is to salvage and recycle as much nonhazardous demolition and construction waste as possible.

   1. Demolition Waste:
      a. Asphalitic concrete paving.
      b. Concrete.
      c. Concrete reinforcing steel.
      d. Brick.
      e. Concrete masonry units.
f. Wood studs.
g. Wood joists.
h. Plywood and oriented strand board.
i. Wood paneling.
j. Wood trim.
k. Structural and miscellaneous steel.
l. Rough hardware.
m. Roofing.
n. Insulation.
o. Doors and frames.
p. Door hardware.
q. Windows.
r. Glazing.
s. Metal studs.
t. Gypsum board.
u. Acoustical tile and panels.
v. Carpet.
w. Carpet pad.
x. Demountable partitions.
y. Equipment.
z. Cabinets.
aa. Plumbing fixtures.
bb. Piping.
c. Supports and hangers.
dd. Valves.
e. Sprinklers.
f. Mechanical equipment.
g. Refrigerants.
h. Electrical conduit.
ii. Copper wiring.
jj. Lighting fixtures.
kk. Lamps.
ll. Ballasts.
mm. Electrical devices.
nn. Switchgear and panelboards.
oo. Transformers.

2. Construction Waste:
   
a. Site-clearing waste.
b. Masonry and CMU.
c. Lumber.
d. Wood sheet materials.
e. Wood trim.
f. Metals.
g. Roofing.
h. Insulation.
i. Carpet and pad.
j. Gypsum board.
k. Piping.
l. Electrical conduit.
m. Packaging: Regardless of salvage/recycle goal indicated above, salvage or recycle 100 percent of the following uncontaminated packaging materials:
   1. Paper.
   2. Cardboard.
5. Polystyrene packaging.
7. Plastic pails.

1.05 SUBMITTALS
A. Waste Management Plan: Submit 3 copies of plan within 7 days of date established for the Notice to Proceed.
B. See Evaluations for example of Waste Reduction Progress Reports in paragraph below.
C. Waste Reduction Progress Reports: Concurrent with each Application for Payment, submit 3 copies of report. Include the following information:
   1. Material category.
   2. Generation point of waste.
   3. Total quantity of waste in tons
   4. Quantity of waste salvaged, both estimated and actual in tons
   5. Quantity of waste recycled, both estimated and actual in tons
   6. Total quantity of waste recovered (salvaged plus recycled) in tons
   7. Total quantity of waste recovered (salvaged plus recycled) as a percentage of total waste.
D. Waste Reduction Calculations: Before request for Substantial Completion, submit 3 copies of calculated end-of-Project rates for salvage, recycling, and disposal as a percentage of total waste generated by the Work.
E. Records of Donations: Indicate receipt and acceptance of salvageable waste donated to individuals and organizations. Indicate whether organization is tax exempt.
F. Records of Sales: Indicate receipt and acceptance of salvageable waste sold to individuals and organizations. Indicate whether organization is tax exempt.
G. Recycling and Processing Facility Records: Indicate receipt and acceptance of recyclable waste by recycling and processing facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.
H. Landfill and Incinerator Disposal Records: Indicate receipt and acceptance of waste by landfills and incinerator facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.

1.06 QUALITY ASSURANCE
A. Waste Management Coordinator Qualifications: Green Building Professional. Waste management coordinator may also serve as Green Building coordinator.
B. Regulatory Requirements: Comply with hauling and disposal regulations of authorities having jurisdiction.

1.07 WASTE MANAGEMENT PLAN
A. General: Develop plan consisting of waste identification, waste reduction work plan, and cost/revenue analysis. Indicate quantities by weight or volume, but use same units of measure throughout waste management plan.
B. Waste Identification: Indicate anticipated types and quantities of demolition, site-clearing, and construction waste generated by the Work. Include estimated quantities and assumptions for estimates.
C. Waste Reduction Work Plan: List each type of waste and whether it will be salvaged, recycled, or disposed of in landfill or incinerator. Include points of waste generation, total
quantity of each type of waste, quantity for each means of recovery, and handling and transportation procedures.

1. Salvaged Materials for Reuse: For materials that will be salvaged and reused in this Project, describe methods for preparing salvaged materials before incorporation into the Work.

2. Salvaged Materials for Sale: For materials that will be sold to individuals and organizations, include list of their names, addresses, and telephone numbers.

3. Salvaged Materials for Donation: For materials that will be donated to individuals and organizations, include list of their names, addresses, and telephone numbers.

4. Recycled Materials: Include list of local receivers and processors and type of recycled materials each will accept. Include names, addresses, and telephone numbers.

5. Disposed Materials: Indicate how and where materials will be disposed of. Include name, address, and telephone number of each landfill and incinerator facility.

6. Handling and Transportation Procedures: Include method that will be used for separating recyclable waste including sizes of containers, container labeling, and designated location on Project site where materials separation will be located.

D.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION

3.01 PLAN IMPLEMENTATION

A. General: Implement waste management plan as approved by Construction Manager. Provide handling, containers, storage, signage, transportation, and other items as required to implement waste management plan during the entire duration of the Contract.

1. Comply with Division 01 Section "Temporary Facilities and Controls" for operation, termination, and removal requirements.

B. Waste Management Coordinator: Engage a waste management coordinator to be responsible for implementing, monitoring, and reporting status of waste management work plan.

C. Training: Train workers, subcontractors, and suppliers on proper waste management procedures, as appropriate for the Work occurring at Project site.

1. Distribute waste management plan to all relevant sub-contractor within 3 days of submittal return.
2. Distribute waste management plan to entities when they first begin work on-site. Review plan procedures and locations established for salvage, recycling, and disposal.

D. Site Access and Temporary Controls: Conduct waste management operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.

1. Designate and label specific areas on Project site necessary for separating materials that are to be salvaged, recycled, reused, donated, and sold.
2. Comply with Division 01 Section "Temporary Facilities and Temporary Controls" for controlling dust and dirt, environmental protection, and noise control.

3.02 SALVAGING DEMOLITION WASTE

A. Salvaged Items for Reuse in the Work:
1. Clean salvaged items.
2. Pack or crate items after cleaning. Identify contents of containers.
3. Store items in a secure area until installation.
4. Protect items from damage during transport and storage.
5. Install salvaged items to comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make items functional for use indicated.

B. Salvaged Items for Owner's Use:
1. Clean salvaged items.
2. Pack or crate items after cleaning. Identify contents of containers.
3. Store items in a secure area until delivery to Owner.
4. Transport items to Owner's storage area.
5. Protect items from damage during transport and storage.

C. Doors and Hardware: Brace open end of door frames. Except for removing door closers, leave door hardware attached to doors.

3.03 RECYCLING DEMOLITION AND CONSTRUCTION WASTE, GENERAL
A. General: Recycle paper and beverage containers used by on-site workers.
B. Recycling Receivers and Processors: List below is provided for information only; available recycling receivers and processors include, but are not limited to, the following

The City of Berkeley Transfer Station
1201 Second Streets, Berkeley, CA

C. Procedures: Separate recyclable waste from other waste materials, trash, and debris. Separate recyclable waste by type at Project site to the maximum extent practical.

1. Provide appropriately marked containers or bins for controlling recyclable waste until they are removed from Project site. Include list of acceptable and unacceptable materials at each container and bin.
   a. Inspect containers and bins for contamination and remove contaminated materials if found.
2. Stockpile processed materials on-site without intermixing with other materials. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.
3. Stockpile materials away from construction area. Do not store within drip line of remaining trees.
4. Store components off the ground and protect from the weather.
5. Remove recyclable waste off Owner's property and transport to recycling receiver or processor.

3.04 RECYCLING DEMOLITION WASTE
A. Asphaltic Concrete Paving: Break up and transport paving to asphalt-recycling facility.
B. Concrete: Remove reinforcement and other metals from concrete and sort with other metals.
C. Masonry: Remove metal reinforcement, anchors, and ties from masonry and sort with
other metals.  
1. Clean and stack undamaged, whole masonry units on wood pallets.

D. Wood Materials: Sort and stack members according to size, type, and length. Separate lumber, engineered wood products, panel products, and treated wood materials.

E. Metals: Separate metals by type.  
   1. Structural Steel: Stack members according to size, type of member, and length.  
   2. Remove and dispose of bolts, nuts, washers, and other rough hardware.

F. Gypsum Board: Stack large clean pieces on wood pallets and store in a dry location. Remove edge trim and sort with other metals. Remove and dispose of fasteners.

G. Equipment: Drain tanks, piping, and fixtures. Seal openings with caps or plugs. Protect equipment from exposure to weather.

H. Plumbing Fixtures: Separate by type and size.

I. Piping: Reduce piping to straight lengths and store by type and size. Separate supports, hangers, valves, sprinklers, and other components by type and size.

J. Lighting Fixtures: Separate lamps by type and protect from breakage.

K. Electrical Devices: Separate switches, receptacles, switchgear, transformers, meters, panelboards, circuit breakers, and other devices by type.

L. Conduit: Reduce conduit to straight lengths and store by type and size.

3.05 RECYCLING CONSTRUCTION WASTE

A. Packaging:
   1. Cardboard and Boxes: Break down packaging into flat sheets. Bundle and store in a dry location.
   3. Pallets: As much as possible, require deliveries using pallets to remove pallets from Project site. For pallets that remain on-site, break down pallets into component wood pieces and comply with requirements for recycling wood.
   4. Crates: Break down crates into component wood pieces and comply with requirements for recycling wood.

B. Site-Clearing Wastes: Chip brush, branches, and trees.

C. Wood Materials:
   1. Clean Cut-Offs of Lumber: Grind or chip into small pieces.
   2. Clean Sawdust: Bag sawdust that does not contain painted or treated wood.

D. Gypsum Board: Stack large clean pieces on wood pallets and store in a dry location.
   1. Clean Gypsum Board: Grind scraps of clean gypsum board using small mobile chipper or hammer mill. Screen out paper after grinding.

3.06 DISPOSAL OF WASTE

A. General: Except for items or materials to be salvaged, recycled, or otherwise reused, remove waste materials from Project site and legally dispose of them in a landfill or incinerator acceptable to authorities having jurisdiction.
   1. Except as otherwise specified, do not allow waste materials that are to be disposed
2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

B. Burning: Do not burn waste materials.

C. Disposal: Transport waste materials off Owner’s property and legally dispose of them.

END OF SECTION
DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 7700

CONTRACT CLOSEOUT

PART 1 - GENERAL

1.01 SUMMARY

A. Section describes requirements and procedures for:
   1. Project cleaning.
   2. Testing of equipment and systems
   3. Substantial Completion
   4. Final Completion
   5. Close Out
   6. Warranties

1.02 SUBSTANTIAL COMPLETION

A. Removal of Temporary Construction Facilities and Project Cleaning.
   1. Prior to Substantial Completion inspection: remove temporary materials, equipment, services, and construction; clean all areas affected by the Work; clean and repair damage caused by installation or use of temporary facilities; restore permanent facilities used during construction to specified condition.

B. Equipment and Systems.
   1. Prior to Substantial Completion, Contractor shall start up, run for periods prescribed by City, operate, adjust and balance all manufactured equipment and Project systems, including but not limited to, mechanical, electrical, safety, fire, and controls.
   2. Demonstrate that such equipment and systems conform to contract standards and manufacturer’s guarantees. Where applicable, use testing protocols specified, and if the contract is silent, then consistent with manufacturer’s recommendations and industry standards.

C. Procedure for Substantial Completion
   1. When Contractor considers Work or designated portion of the Work as Substantially Complete, submit written notice to City, with list of items remaining to be completed or corrected and explanation of why such items do not prevent City’s beneficial use and occupancy of the Work for its intended purposes. Within reasonable time, City will inspect to determine status of completion.
   2. Should City determine that Work is not Substantially Complete, City will promptly notify Contractor in writing, listing all defects and omissions. Contractor shall remedy deficiencies and send a second written notice of Substantial Completion. City will reinspect the Work. If deficiencies previously noted are not corrected on reinspection, then pay the cost of the reinspection.
   3. When City concurs that Work is Substantially Complete, City will issue a written notice or certificate of Substantial Completion, accompanied by Contractor’s list of items to be completed or corrected as verified by City.
   4. Manufactured units, equipment and systems that require startup must have been
started up and before a notice or certificate of Substantial Completion will be issued.

5. A punch list examination will be performed upon Substantial Completion. One follow-up review of punch list items for each discipline will be provided. If further Site visits are required to review punch list items due to incompleteness of the Work by Contractor, Contractor will reimburse City for costs associated with these visits.

1.03 FINAL COMPLETION

A. Requirements

1. Final Completion occurs when Work meets requirements for City’s Final Acceptance.

B. Procedure

1. When Contractor considers Work is Finally Complete, submit written certification that:
   a. Contractor has inspected Work for compliance with Contract Documents, and all requirements for Final Acceptance have been met.
   b. Except for Contractor maintenance after Final Acceptance, Work has been completed in accordance with Contract Documents and deficiencies listed with Certificate of Substantial Completion have been corrected. Equipment and systems have been tested in the presence of City, and are operative.
   c. Project Record Documents are completed and turned over to City, and Work is complete and ready for final inspection.

2. In addition to submittals required by Contract Documents, provide submittals required by governing authorities and submit final statement of accounting giving total adjusted Contract Sum, previous payments, and sum remaining due.

3. Should City determine that Work is incomplete or Defective, City promptly will so notify Contractor, in writing, listing the incomplete or Defective items. Contractor shall promptly remedy the deficiencies and notify the City when it is ready for reinspection.

C. Final Adjustments of Accounts:

1. Submit a final statement of accounting to City, showing all adjustments to the Contract Sum and complete and execute Document 00 6530 (Agreement and Release of Claims).

2. If so required, City shall prepare a final Change Order for submittal to Contractor, showing adjustments to the Contract Sum that were not previously made into a Contract Modification.

D. Warranties

1. Execute Contractor’s Submittals and assemble warranty documents, and Installation, Operation, and Maintenance Manuals, executed or supplied by Subcontractors, suppliers, and manufacturers. Provide table of contents and assemble in 8½ inches by 11 inches three-ring binder with durable plastic cover, appropriately separated and organized. Assemble in Specification Section order.

2. Submit material prior to final Application for Payment. For equipment put into use with City’s permission during construction, submit within 14 calendar days after first operation. For items of Work delayed materially beyond Date of Substantial Completion, provide updated Submittal within 14 calendar days after acceptance, listing date of acceptance as start of warranty period.

3. Warranty Forms: Submit drafts to Owner for approval prior to execution. Forms shall not detract from or confuse requirements or interpretations of Contract Documents. Warranty shall be countersigned by manufacturers. Where specified, warranty shall be countersigned by Subcontractors and installers.
4. Rejection of Warranties: Owner reserves right to reject unsolicited and coincidental product warranties that detract from or confuse requirements or interpretations of Contract Documents.

5. Term of Warranties: For materials, equipment, systems, and workmanship, warranty period shall be one year minimum from date of Final Completion of entire Work except where:
   a. Detailed Specifications for certain materials, equipment or systems require longer warranty periods.
   b. Materials, equipment or systems are put into beneficial use of City prior to Final Completion as agreed to in writing by City.

E. Warranty of Title:
   1. No material, supplies, or equipment for Work under Contract shall be purchased subject to any chattel mortgage, security agreement, or under a conditional sale or other agreement by which an interest therein or any part thereof is retained by seller or supplier. Contractor warrants good title to all material, supplies, and equipment installed or incorporated in Work and agrees upon completion of all Work to deliver premises, together with improvements and appurtenances constructed or placed thereon by Contractor, to City free from any claim, liens, security interest, or charges, and further agrees that neither Contractor nor any person, firm, or corporation furnishing any materials or labor for any Work covered by Contract shall have right to lien upon premises or improvement or appurtenances thereon. Nothing contained in this paragraph, however, shall defeat or impair right of persons furnishing materials or labor under bond given by Contractor for their protection or any rights under law permitting persons to look to funds due Contractor in hands of City.

F. Turn-In. Contract Documents will not be closed out and final payment will not be made until all keys issued to Contractor during prosecution of Work and letters from property owners, pursuant to Contract Documents, are turned in to City.

G. Release of Claims. Contract Documents will not be closed out and final payment will not be due or made until Document 00 6530 (Agreement and Release of Claims) is completed and executed by Contractor and City.

H. Fire Inspection Coordination. Coordinate fire inspection and secure sufficient notice to City to permit convenient scheduling (if applicable).

I. Building Inspection Coordination. Coordinate with City a final inspection for the purpose of obtaining an occupancy certificate (if applicable).

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION
DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 7800

CLOSEOUT SUBMITTALS

PART 1 - GENERAL

1.01 SUMMARY

A. This section specifies administrative and procedural requirements for Project Record Documents.

B. Project Record Documents required include:

1. Marked-up copies of Contract Drawings
2. Marked-up copies of Shop Drawings
3. Newly prepared Drawings
4. Marked-up copies of Specifications, Addenda and Change Orders
5. Marked-up Project Data submittals
6. Record Samples
7. Field records for variable and concealed conditions
8. Record information on Work that is recorded only schematically

C. Specific Project Record Documents requirements that expand requirements of this Section are included in the individual Sections of Divisions 1 through 33.

D. General Project closeout requirements are included in Section 01 7700, "Contract Closeout."

E. Maintenance of Documents and Samples:

1. Store Project Record Documents and samples in the field office apart from Contract Documents used for construction.
2. Do not permit Project Record Documents to be used for construction purposes.
3. Maintain Project Record Documents in good order, and in a clean, dry, legible condition.
4. Make documents and samples available at all times for inspection by Architect and Project Manager.

F. City will provide one set of sepias and one blueline set of the construction drawings and one project manual for the Contractor's use and copying during construction.

1.02 PROJECT RECORD DRAWINGS

A. Mark-up Procedure: During the construction period, maintain a set of blueline or blackline prints of Contract Drawings and Shop Drawings for Project Record Document purposes. Label each document (on first sheet or page) "PROJECT RECORD" in 2 in. high printed letters. Keep record documents current. Note: A reference by number to a Change Order, RFI, RFQ, Field Order or other such document is not acceptable as sufficient record information on any record document. Do not permanently conceal any Work until required information has been recorded.

1. Mark these Drawings to indicate the actual installation where the installation varies appreciably from the installation shown originally. Give particular attention to
information on concealed elements which would be difficult to identify or measure and record later. Items required to be marked include but are not limited to:

a. Dimensional changes to the Drawings
b. Revisions to details shown on the Drawings
c. Depths of various elements of foundation in relation to main floor level or survey datum.
d. Horizontal and vertical location of underground utilities and appurtenances referenced to permanent surface improvements.
e. Location of internal utilities and appurtenances concealed in construction referenced to visible and accessible features of structure.
f. Establish locations of underground work, points of connection with existing utilities, changes in direction, valves, manholes, catch basins, capped stubouts, invert elevations, and similar items.
g. Provide actual numbering of each electrical circuit.
h. Field changes of dimension and detail.
i. Revisions to routing of piping and conduits
j. Revisions to electrical circuitry
k. Actual equipment locations
l. Duct size and routing
m. Changes made by Change Order
n. Details not on original Contract Drawings

2. Mark completely and accurately Project Record Drawing prints of Contract Drawings or Shop Drawings, whichever is the most capable of showing actual physical conditions. Where Shop Drawings are marked, show cross-reference on Contract Drawings location.

3. Mark Project Record Drawing sets with red erasable colored pencil; use other colors to distinguish between changes for different categories of the Work at the same location.

4. Mark important additional information which was either shown schematically or omitted from original Drawings.

5. Note construction change directive numbers; alternate numbers; Change Order numbers and similar identification.

6. Responsibility for Mark-up: Where feasible, the individual or entity who obtained Project Record Drawing data, whether the individual or entity is the installer, subcontractor, or similar entity, is required to prepare the mark-up on Project Record Drawings.
   a. Accurately record information in an understandable and legible drawing technique.
   b. Record data as soon as possible after it has been obtained. In the case of concealed installations, record and check the mark-up prior to concealment.

B. Preparation of Transparencies: Immediately prior to inspection for Certification of Substantial Completion, review completed marked-up Project Record Drawings with the Project Manager. When authorized, prepare a full set of correct transparencies of Contract Drawings and Shop Drawings.

1. Incorporate changes and additional information previously marked on print sets. Erase, redraw, and add details and notations where applicable. Identify and date each Drawing; include the printed designation "PROJECT RECORD DRAWINGS" in a prominent location on each Drawing.

2. Refer instances of uncertainty to the Project Manager for resolution.

3. Review of Transparencies: Before copying and distributing, submit corrected
transparencies and the original marked-up prints to the Project Manager and Architect/Engineer for review.

a. Transparencies and the original marked-up prints will be returned to the Contractor for organizing into sets, printing, binding, and final submittal.

4. Copies and Distribution: After completing the preparation of transparency Project Record Drawings, print three blue-line or black-line prints of each Drawing, whether or not changes and additional information were recorded. Organize the copies into manageable sets. Bind each set with durable paper cover sheets, with appropriate identification, including titles, dates and other information on cover sheets.

a. Organize and bind original marked-up set of prints that were maintained during the construction period in the same manner.

b. Organize Project Record Drawings transparencies into sets matching the print sets. Place these sets in durable tube-type drawing containers with end caps. Mark the end cap of each container with suitable identification.

C. Distribution of Marked up Drawings and Transparencies

1. Submit the marked-up Project Record Drawings set, pdfs, transparencies, and five copy sets to the Project Manager for City's records.

D. Shop Drawings and Samples: Maintain as record documents; legibly annotate Shop Drawings and Samples to record changes made after review.

E. In addition to requirements of this Section, comply with supplemental requirements of Divisions 21 and 28 and Division 33.

1. Divisions 21 through 28 and Division 33 of the specifications require the preparation of large scale, detailed Layout Drawings of the work of those divisions. These Layout Drawings are not shop drawings as defined by the General Conditions, but together with shop drawing or Layout Drawings of all other affected sections are used check, coordinate and integrate the work of the various sections

2. Include these Layout Drawings as part of the As Built Documents.

F. Delete Architect/Engineer title block and seal from documents.

G. As-Built Documents are subject to review and acceptance by the City and Architect/Engineer.

H. Submit documents to Project Manager with final Application for payment.

1.03 PROJECT RECORD SPECIFICATIONS

A. During the construction period, maintain one copy of the Project Specifications, including addenda and modifications issued, for Project Record Document purposes.

1. Mark the Project Record Specifications to indicate the actual installation where the installation varies substantially from that indicated in Specifications and Modifications issued. Note related Project Record Drawing information, where applicable. Give particular attention to substitutions, selection of product options, change order work, and information on concealed installation that would be difficult to identify or measure and record later.

a. In each Specification Section where products, materials or units of equipment are specified or scheduled, mark the copy with the proprietary name and model number of the product furnished.

b. Record the name of the manufacturer, catalog number, supplier and installer, and other information necessary to provide a record of selections made and to document coordination with Project Record Product Data submittals and maintenance manuals.
c. Note related Project Record Product Data, where applicable, for each principal product specified, indicate whether Project Record Product Data has been submitted in maintenance manual instead of submitted as Project Record Product Data.

2. Upon completion of mark-up, submit Project Record Specifications to the Project Manager for City's records.

1.04 PROJECT RECORD PRODUCT DATA

A. During the construction period, maintain one copy of each Project Record Product Data submittal for Project Record Document purposes.

1. Mark Project Record Product Data to indicate the actual product installation where the installation varies substantially from that indicated in Project Record Product Data submitted. Include significant changes in the product delivered to the site, and changes in manufacturer's instructions and recommendations for installation.

2. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.

3. Note related Change Orders and mark-up of Project Record Drawings, where applicable.

4. Upon completion of mark-up, submit a complete set of Project Record Product Data to the Project Manager for City's records.

5. Where Project Record Product Data is required as part of maintenance manuals, submit marked-up Project Record Product Data as an insert in the manual, instead of submittal as Project Record Product Data.

6. Each prime Contractor is responsible for mark-up and submittal of record Project Record Product Data for its own Work.

B. Material, Equipment and Finish Data

1. Provide data for primary materials, equipment and finishes as required under each specification section.

2. Submit two sets prior to final inspection, bound in 8-1/2 inches by 11 inches three-ring binders with durable plastic covers; provide typewritten table of contents for each volume.

3. Arrange by Specification division and give names, addresses, and telephone numbers of subcontractors and suppliers. List:

   a. Trade names.
   b. Model or type numbers.
   c. Assembly diagrams.
   d. Operating instructions.
   e. Cleaning instructions.
   f. Maintenance instructions.
   g. Recommended spare parts.
   h. Product data.

1.05 MISCELLANEOUS PROJECT RECORD SUBMITTALS

A. Refer to other Specification Sections for miscellaneous record keeping requirements and submittals in connection with various construction activities. Immediately prior to Substantial Completion, complete miscellaneous records and place in good order, properly identified and bound or filed, ready for use and reference. Submit to the Project Manager for City's records. Categories of requirements resulting in miscellaneous records include, but are not limited to the following:
1. Field records on excavations and foundations
2. Field records on underground construction and similar work
3. Survey showing locations and elevations of underground lines
4. Invert elevations of drainage piping
5. Surveys establishing building lines and levels
6. Authorized measurements utilizing unit prices or allowances
7. Records of plant treatment
8. Ambient and substrate condition tests
9. Certifications received in lieu of labels on bulk products
10. Batch mixing and bulk delivery records
11. Testing and qualification of tradespersons
12. Documented qualification of installation firms
13. Load and performance testing
14. Inspections and certifications by governing authorities
15. Leakage and water-penetration tests
16. Fire resistance and flame spread test results
17. Final inspection and correction procedures

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION

3.01 RECORDING

A. Post changes and modifications to the Documents as they occur. Do not wait until the end of the Project. City may review Project Record Documents prior to each progress payment to see that the required information is being properly and faithfully recorded to assure compliance with this requirement. If Contractor has not complied with this requirement, the progress payment will be withheld until the Record Documents have been brought up to date.

3.02 SUBMITTAL

A. At completion of Project, deliver Record Documents to Project Manager.
B. Accompany submittal with transmittal letter containing:
   1. Date
   2. Project title and number
   3. Contractor's name and address
   4. Number and title of each record documents
   5. Certification that each document as submitted is complete and accurate, and signature of Contractor, or his authorized representative.

END OF SECTION
STRAWBERRY CREEK PARK PLAY AREA
AND RESTROOM RENOVATION

City of Berkeley

Specification No. 20-11382-C

TECHNICAL SPECIFICATIONS

Prepared by:

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755 Folger Avenue
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(510) 647-3792
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Technical Specifications Prepared by:

William S. Harris, RLA 2428

Date

Harris Design Landscape Architects

Ronald Zeiger, E7218

Date

Zeiger Engineers, Inc.

Technical Specifications
(rev. 2016-11)
Strawberry Creek Park Renovation

Technical Specifications Sections

01 56 39  Tree Protection
02 41 00  Site Preparation
04 41 00  Dry-Placed Stone
11 68 13  Play Equipment and Surfacing
13 60 00  Restroom Building
26 52 00  Site Electrical
31 20 00  Earthwork
32 11 23  Aggregate Base
32 12 16  Hot Mix Asphalt Paving
32 13 14  Site Concrete
32 15 40  Cement Stabilized Decomposed Granite Paving
32 33 00  Site Furnishings
32 90 00  Planting
32 91 13  Landscape Soil Preparation
33 44 00  Site Storm Drainage and Domestic Water
SECTION 01 56 39 - TREE PROTECTION

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included

1. Protection of trees and other plants that are scheduled to remain. Contractor shall avoid injury or damage resulting from the Contractor’s operations, including but not limited to:

a. cutting, breaking, or skimming of roots, trunks, or branches

b. smothering or soil compaction by stockpiled materials, excavated materials, foot or vehicular traffic within the dripline

c. desiccation due to exposure of roots

2. Irrigation as directed or as required to maintain the health of trees and other plants to remain, where existing irrigation of such plants is shut down for the work of this contract.

3. Restoration of existing landscape. Repair and/or replacement of trees and other plants damaged during the construction operation shall be at the Contractor’s expense and to the City’s satisfaction. Repair and/or replacement of any irrigation systems damaged or removed during the construction operation shall similarly be at the Contractor’s expense and to the City’s satisfaction.

B. Related Work: Consult all other applicable Sections. Coordinate installation with the work of other trades, and with tree work by the City.

1.02 QUALITY ASSURANCE

A. Before beginning work, Contractor shall meet with the City’s Representative at the site to review all work procedures, access routes, storage areas, and tree protection measures, and to review the City’s proposed root pruning and other work on existing trees to remain.

B. Contractor shall keep City’s Representative informed of the work schedule, so that City’s Representative or the City Arborist may be on hand to observe the work and give direction regarding tree protection during the course of the work.

C. Any damage to trees resulting from insufficient protection shall be repaired by a competent tree surgeon to the satisfaction of the City’s Representative, at no cost to City. If a tree to remain is destroyed, or damaged so that in the judgment of the City’s Representative it should be replaced, it shall be removed at Contractor’s expense, and the City shall be compensated for its full value. Value shall be determined by guidelines.
proposed by the Council of Tree and Landscape Appraisers as interpreted by a member of the American Society of Consulting Arborists.

1.03 SCHEDULING

A. Coordinate the work schedule with tree work by the City, including root pruning of existing trees to remain.

PART 2 - PRODUCTS

2.01 TREE PROTECTION MATERIALS

A. Mulch: Wood chips
B. Untreated burlap
C. Black plastic sheets
D. Anti-desiccant: Manufactured for use on plants. Provide evidence that material can be used on specified trees. Do not use anti-desiccant without approval of City’s Representative.

PART 3 - EXECUTION

3.01 GENERAL

A. Protect existing tree roots, trunks and branches from damage or injury.
B. Permit no storage, disposal, or stockpiling within the dripline of trees. Permit no traffic within dripline without prior approval by City’s Representative.
C. No materials, equipment, spoil, waste or washout water may be deposited, stored, or parked within dripline.
D. Prevent puddling or continuous running water within dripline.
E. If directed to do so, install silt fences, water diversion structures, or other erosion control devices to prevent siltation or erosion within the dripline of trees to remain.
F. Maintain fire-safe areas around trees to remain. Permit no heat sources, flames, ignition sources, or smoking near mulch or trees.
G. Work within dripline of trees to remain shall be as approved by City’s Representative. Earth surface within dripline shall not be changed except as shown or specified or as approved by City’s Representative. Trenching, grading and excavation up to three-foot depth below existing grade within dripline shall be done using an “Air Spade” or by hand. Excavation within dripline below three-foot depth may be done by other means if
approved by the City's Representative. The perimeter of all trenches and excavations within dripline shall be cut cleanly with a rock saw or sharpened trencher to a depth of three feet or to the depth of the trench or excavation, whichever is less.

H. If any root 1-1/2 inches in diameter or larger is encountered during excavation work within the dripline of trees to remain, stop excavation and notify the City's Representative, to allow the City Arborist to assess the potential root damage and recommend appropriate action to protect the tree. Proceed as directed by the City's Representative.

I. Pruning to be performed by the contractor as directed and inspected by the City. Notify Urban Forestry two days prior to requested pruning date(s). Perform no pruning until so directed. Contractor to dispose of all debris.

J. Do not allow exposed roots to dry out before permanent backfill is placed. Protect exposed roots with 4 layers of wet untreated burlap and a top layer of black plastic anchored in place. Keep burlap moist until placement of backfill. Remove burlap and plastic at time of backfilling.

K. Exercise extreme care in removing concrete or asphalt within the dripline of trees to remain. Paving pieces shall be lifted rather than dragged. Protect surface roots immediately with 4-inch layer of chipped mulch.

L. Where vehicles or equipment must operate or travel in unpaved landscape areas, Contractor shall place a minimum ten (10) inch layer of wood chips over the work area before starting work there. This mulch layer shall be replenished as necessary to maintain a ten-inch depth until operations in the area are complete. Contractor shall remove mulch upon completion of the work, unless directed otherwise. Where crane outriggers or other heavy equipment must be positioned in unpaved landscape areas, contractor shall provide additional protection against soil compaction and landscape damage. Means of providing such additional protection may include the placement of base rock and heavy timbers beneath heavy equipment. Contractor shall obtain approval of City's Representative for protective measures before placing or operating heavy equipment in unpaved landscape areas.

M. Where crane outriggers or other heavy equipment must be positioned in paved areas located within the dripline or over the root area of trees to remain, Contractor shall provide protection against soil compaction and paving damage. Means of providing such protection may include the placement of base rock and steel plates beneath heavy equipment. Contractor shall obtain approval of City's Representative for protective measures before placing or operating heavy equipment over the root area of trees to remain.

N. Any damage to trees due to Contractor's operations shall be reported to City's Representative within 6 hours so that remedial action can be taken. Timeliness is critical to tree health.

O. Remove tree protection materials upon completion of work.
3.02 LANDSCAPE REPAIR

A. Contractor shall repair any damage to the existing irrigation system caused by the work.

B. Contractor shall restore the site to existing grade except where shown or specified otherwise.

C. Except where shown or specified otherwise, any existing lawn area disturbed by the work shall be restored to existing grade and revegetated with sod of approved species.

PART 4 - MEASUREMENT AND PAYMENT

4.01 TREE PROTECTION

A. Full compensation for Tree Protection shall be considered as included in the contract price paid for Site Preparation, and no separate compensation will be allowed therefor.

END OF SECTION 01 56 39
PART 1 - GENERAL

1.01 SUMMARY

A. Section includes:

- clearing and grubbing
- sawcutting
- removal and disposal of play structures and swing set
- removal and disposal of wooden header board and wooden retaining wall
- removal and disposal of indicated asphalt paving
- removal and disposal of sand
- removal and disposal of poured-in-place rubber surfacing including aggregate base and concrete sub-slab if any
- removal and disposal of perforated drainage pipe system including clean outs
- removal and disposal of all concrete footings and sub-slabs with any of the associated work
- adjustment of existing irrigation components
- providing new irrigation components
- removal and disposal of miscellaneous site elements in conflict with project construction
- removal and disposal of site debris
- protection of all existing items to remain

1.02 QUALITY ASSURANCE

A. Permits and Regulations

1. All demolition and site clearing are subject to all provisions of applicable local ordinances and regulations.

2. All local codes, rules and regulations governing the respective utilities shall be observed in executing all work under this section.

B. Shop Drawings

1. Submit Irrigation Shop Drawings showing approximate locations and types of existing and proposed new or relocated sprinkler heads and pipes, for Landscape Architect’s review.

C. Mandatory Site Walk
1. Walk site with City Staff and Landscape Architect prior to demolition, to confirm limits of existing items to be removed and any other significant site conditions.

1.03 JOB CONDITIONS

A. Protection

1. Protect from damage existing items indicated to remain by the erection of barriers or by other means approved by the City’s Representative.

2. All open depressions, excavations, pits and the like shall be barricaded. Adequate barricades shall be provided at all times. Barricades shall be constructed of fencing materials and/or salvaged lumber from the structures to be removed, must conform to local safety regulations and must be acceptable to the City’s Representative. Remove barriers and fences when no longer required.

3. The Contractor shall maintain and keep public sidewalks, highways and streets in a condition satisfactory to local and/or state officials, and shall provide necessary watchmen if, and as required, in the use of public thoroughfares. All public sidewalks, highways and roads shall be kept clean of spillage at all times.

B. Utility Protection

1. Particular attention is called to the drawings for the location of the existing utilities. The Contractor shall protect these and all other existing utilities from damage resulting from its operations.

C. Tree Protection

1. Protect all trees to remain from damage or injury by any construction operation or equipment, from abuse by workers or any other danger that might arise as a result of this work. Refer to Section 01 56 39 Tree Protection.

D. Environmental Protection

1. When necessary, wet down materials or use other suitable methods to limit the amount of dust and dirt rising and scattering in the air to the lowest practical level.

PART 2 – MATERIALS (not used)

PART 3 - EXECUTION

3.01 CLEARING AND GRUBBING

A. Clearing and Grubbing: Remove turf, groundcover, mulch, shrubs, vines, weeds, and other vegetative and organic debris from those areas shown on the drawings.
B. Work within the dripline of trees to remain shall be as approved by City’s Representative. Earth surface within dripline shall not be changed except as shown or specified or as approved by City’s Representative. Trenching, grading and excavation up to three-foot depth below existing grade within dripline shall be done using an “Air Spade” or by hand. Refer to Section 01 56 39 Tree Protection.

3.02 PAVEMENT AND STRUCTURE DEMOLITION

A. Pavement and other Site Work

1. Confirm concrete pavement demolition limits on site with Landscape Architect prior to demolition.

2. Saw cut the limits of all concrete paving and curbs to be removed when the pavement or curb does not terminate at an existing expansion joint.

3. Break up and remove existing concrete pavement. Remove all base material within 36 inches of finish grade in areas outside of areas to receive new paving. Pavement demolition shall be by air hammer or other approved means. The use of drop hammers or ball will not be permitted.

4. Exercise extreme care in removing concrete within the dripline of trees to remain. Paving pieces shall be lifted rather than dragged. Protect surface roots immediately with 4-inch layer of chip mulch. Refer to Section 01 56 39 Tree Protection for additional requirements.

4. Remove posts, poles, footings, and other foundations embedded in the ground in their entirety.

B. Play Area Sand

1. Sand shall be removed and delivered to an approved recycling facility as the Contractor’s own property. Contractor shall reserve a sufficient quantity of sand to be installed in the sand play area as specified in Section 11 68 13 Play Equipment and Surfacing. At Contractor’s option, new sand may be provided in lieu of using the existing sand.

3.03 IRRIGATION ADJUSTMENTS AND REMOVAL

A. General

1. Contractor shall submit and obtain approval of Irrigation Shop Drawing prior to demolition.

B. Adjustment of Existing Irrigation System
1. Obtain approval of Irrigation Shop Drawing prior to demolition.

2. Contractor shall remove portions of the irrigation system that interfere with new construction. Relocate existing and/or provide new irrigation sprinkler heads as necessary.

3. Install new irrigation piping and fittings as necessary to maintain coverage. New pipe shall be installed at 18-inch minimum burial.

4. All components shall be installed per City of Berkeley standard details.

5. Cap off securely those pipes that have been cut and are to be abandoned.

6. Pressure test irrigation mainline at line pressure for 24 hours.

3.04 PLAY EQUIPMENT, HEADER

A. Items indicated to be removed

1. Remove and properly dispose of indicated items, including concrete footings.

3.05 CLEAN UP AND DISPOSAL

A. Debris

1. Remove all debris found on the site or accumulated during performance of the work, including loose branches, stumps, abandoned appliances, furnishings, miscellaneous concrete items and building debris.

2. Items to be removed shall become the property of the Contractor and shall be legally disposed of off the site.

3. Debris or other materials shall not be offered for sale on the project site.

4. Burning of debris will not be permitted on the site.

PART 4 - MEASUREMENT AND PAYMENT

4.01 The contract lump sum price paid for Site Preparation shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Site Preparation, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City’s Representative.

4.02 The contract lump sum price paid for Modify Irrigation shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the
work involved in Modify Irrigation, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City's Representative.

END OF SECTION 02 41 00
SECTION 04 41 00 – DRY-PLACED STONE

PART ONE – GENERAL

1.01 SECTION INCLUDES:

A. Blocky Boulder Wall
B. Boulder Edge
C. Landscape Boulders

1.02 REFERENCES


1.03 SUBMITTALS

A. Manufacturer's data sheets on each product to be used, including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation methods.
B. Samples
   1. Samples of rock material are not required to be submitted as long as the rock is identical to that specified. Any substitutions will require sample review by the Landscape Architect prior to ordering the material.
C. Drainage Material: Submit manufacturer’s certificate of materials for drainage material indicating compliance with Caltrans requirements.

1.04 QUALITY ASSURANCE

A. Installer Qualifications: Firm with documented experience of at least ten (10) projects of similar construction and scope. Include brief description of each project and name and phone number of owner's representative knowledgeable in each listed project. Other verifiable experience may be accepted in lieu of the above at the discretion of the Landscape Architect.

B. Mock-Ups
   1. Install mock-up using acceptable products and manufacturer approved installation methods for the following bid items:
      a. Boulder Edge: Min. 5 feet long at full height.
   a. Remove and legally dispose of mock-ups when no longer required.
   b. Incorporate mock-ups into final construction only upon Landscape Architect's approval.

3. Obtain Landscape Architect's acceptance of finish color, texture and pattern, and workmanship standard prior to construction.

C. Site Reviews
   1. Landscape Architect shall review layout of boulder edge and blocky boulder wall, as well as proposed locations of individual landscape boulders, prior to construction.
   2. Landscape Architect shall review the completed first course of the Blocky Boulder Wall prior to proceeding with the second course.

1.05 DELIVERY, STORAGE, AND HANDLING
   A. Store products in manufacturer's unopened packaging until ready for installation (as applicable). Use palettes to protect rock.
   B. Prevent excessive mud, fluid concrete, or other deleterious materials from coming in contact with and affixing to stone materials.

1.06 PROJECT CONDITIONS
   A. Do not place backfill when subgrade is wet or frozen, and during wet or freezing weather that prevents conformance with specified compaction requirements.

PART TWO – PRODUCTS

2.01 MANUFACTURER
   A. Acceptable Supplier: Lyngso Garden Materials, Redwood City CA; American Soil and Stone, Richmond CA and San Rafael CA; or approved equal.

2.02 BLOCKY BOULDER WALL
      1. Sizes: As indicated, rectangular blocks 1 foot tall by 1 foot wide by 2 feet long
      2. Texture: Split face all sides.
      3. Color Range: Full color range, various shades of gold, tan, yellow, and rust.

2.03 BOULDER EDGE
   A. Boulders: Eden Moss Boulder or Chiefcliff Boulder, Lyngso; or approved equal.
B. Sizes: See plans

C. Form: Select Boulders for squared form so they may be set against each other with minimal gap.

2.04 LANDSCAPE BOULDERS

A. Riverwash granite boulder: California Gold Granite Boulders, American Soil and Stone, San Rafael; or Hooker Creek Boulders, Lyngso or American Soil and Stone, Richmond; or Amador Granite Boulder or Atwater Granite Boulder, Lyngso; or approved equal.

1. Weight: Minimum 200 pounds each.
2. Sizes: See plans
3. Texture: River-washed, smooth.

2.05 ACCESSORY MATERIALS

A. Drainage Aggregate: Caltrans Class 2 Permeable Material.


PART THREE – EXECUTION

3.01 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. Verify substrate is level, smooth, and capable of supporting stone imposed loads.

C. Verify grades, contours and elevations of substrate are correct.

D. Verify substrate base supporting stone has been properly compacted.

E. If substrate preparation is the responsibility of another installer, notify Landscape Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

A. Clean surfaces thoroughly debris, roots, branches and extraneous materials prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.03 INSTALLATION – BOULDER EDGE

C. Lay out boulder edge to the lines and grades indicated on the drawings. Use the string line and stakes to mark off any straight portions and marking paint to draw out
any curves.

D. Prepare a trench base that follows a string line and/or marking paint. Trench should be a minimum of 4 inches deep by 6 inches wider than the stone.

E. Place aggregate base. Level and compact the crushed stone thoroughly with a plate compactor.

F. Level the stone by placing it on the aggregate base. Check for level front to back and side to side and adjust accordingly with the large mallet.

G. Select stones that fit well with those on either side. Trim and shape stones to achieve tight fit using a mason hammer and chisels. Shim the stones as required to eliminate wobbling.

H. Progressively backfill the wall with the drainage material after each course is stacked. Prior to backfilling, lay the geo-textile fabric on the soil behind the wall, and place the drainage aggregate between the wall and the fabric. The aggregate shall be a minimum of 8 to 12 inches (203 to 305 mm) from the wall to the fabric. Compact each layer of aggregate thoroughly. Fill soil in behind the fabric and compact in place as the stone is added.

3.04 INSTALLATION – BLOCKY BOULDER WALL

A. Lay out Blocky Boulder Wall to the lines and grades indicated on the drawings. Use the string line and stakes to mark off any straight portions and marking paint to draw out any curves.

B. Prepare a trench base that follows a string line and/or marking paint. Trench should be a minimum of 12 inches (305 mm) deep by 6 inches (152 mm) wider than the stone.

C. Fill the trench with 4 inches (102 mm) of aggregate base. Level and compact the crushed stone thoroughly with a plate compactor and add another 2 inches (51 mm) of aggregate base on top of the compacted stone.

D. Level the base course of stone by placing the first layer of stone on the aggregate base. Check for level front to back and side to side and adjust accordingly with the large mallet.

E. Stack the second course on top of the base course. Do not line up the seams between the stones from one course to the other. Face Pattern shall be running bond.

F. Each course should be set back as shown to allow the wall to lean back into the ground that it will be retaining. Shim the backs of the stones to eliminate wobbling.

G. Progressively backfill the wall with the drainage material after each course is stacked. Prior to backfilling, lay the geo-textile fabric on the soil behind the wall, and place the drainage aggregate between the wall and the fabric. The aggregate thickness shall be as shown. Compact each layer of aggregate thoroughly. Fill soil
in behind the fabric and compact in place as the stone is added.

3.05 INSTALLATION – LANDSCAPE BOULDERS

A. Install as shown.

B. Install boulders prior to pouring concrete on adjacent surfaces. Pour concrete to stone edges without a gap between stone and concrete.

3.06 PROTECTION

A. Protect installed products until completion of project.

B. Protect adjacent work areas and finish surfaces from damage during product installation.

C. Cover the top of unfinished stone masonry work to protect it from the weather.

D. Prevent staining of stone from mortar, grout, sealants, and other sources.

E. Immediately remove such materials from stone without damage to the stonework.

F. Protect base of walls from rain-splashed mud and mortar splatter by means of coverings spread on ground and over wall surface.

G. Adjust or reset any materials disturbed by successive operations.

H. Touch-up, repair or replace damaged products before Substantial Completion.

3.07 CLEANING

A. Clean exposed faces to remove dirt and stains which may be on units after erection and completion of joint treatments.

B. Wash and rinse in accordance with stone supplier’s instruction.

C. Do not use cleaning materials or processes which could change the character of the exposed finishes.

PART FOUR – MEASUREMENT AND PAYMENT

4.01 BLOCKY BOULDER WALL

A. The contract lump sum price paid for Blocky Boulder Wall, shall include full compensation for providing all labor, materials, and incidentals and for doing all the work involved in all Blocky Boulder Wall, as specified in these Special Provisions and as directed by the Engineer.
4.02   BOULDER EDGE

   A. The contract lump sum price paid for Boulder Edge, shall include full compensation for providing all labor, materials, and incidentals and for doing all the work involved in all Boulder Edge, as specified in these Special Provisions and as directed by the Engineer.

4.03   LANDSCAPE BOULDERS

   A. The contract lump sum price paid for Landscape Boulders, shall include full compensation for providing all labor, materials, and incidentals and for doing all the work involved in all Landscape Boulders, as specified in these Special Provisions and as directed by the Engineer.

END OF SECTION 04425
SECTION 11 68 13 - PLAY EQUIPMENT AND SURFACING

PART 1 - GENERAL

1.01 SCOPE

A. Furnish and install all labor, material, equipment, and services required to provide all play equipment, resilient surfacing, and sand surfacing, including concrete footings.

1.02 REFERENCE STANDARDS


1.03 SUBMITTALS: Contractor shall submit the following items. Incomplete submittals shall be returned without review.

A. Plan view drawing of all play equipment at 1/4 inch = 1 foot scale with overall dimensions, fall zones, post heights, play and fitness elements labeled and deck heights shown. Plan shall show outline of resilient surfacing area. Landscape Architect will provide CAD file of play area for manufacturer's use.

B. Isometric drawing of all play equipment.

C. Sample of color and finish for posts, components, decks and accessories. Catalog cuts are not acceptable. Samples shall consist of actual pieces of play equipment with specified colors and finishes.

D. Complete component list including description of component, quantity, material, finish and color.

E. Manufacturer's warranty.

F. Delivery schedule.

G. Certification of compliance with ASTM F-1487, latest version.


I. Certificate of manufacturer's liability insurance against claims arising from injury or death incurred during use of playground equipment.

J. Indemnification of City and Landscape Architect against any and all claims arising from death or injury of user that are attributable to failure of play equipment, excluding claims resulting from errors in siting, installation, or maintenance.
K. Manufacturer’s installation guidelines.

L. Agreement for inspection by manufacturer’s representative of each installation and certification of compliance with manufacturer's installation guidelines for each when compliance is achieved.

M. Certificate of Compliance and sample of play area sand, one pint, if Contractor elects to use new sand for the sand play area.

N. Certificates of conformance for resilient surfacing permeable aggregate base material, and for geotextile filter fabric.

O. The Contractor shall provide documentation of a safety audit of the play equipment. The safety audit shall be paid for by the Contractor and performed by a Certified Playground Safety Inspector as certified by the National Playground Safety Institute. The audit shall be performed prior to occupancy by the general public. Any corrections necessary shall be paid for by the Contractor and to the satisfaction of the Engineer and the Certified Playground Safety Inspector. Any and all corrections shall be made prior to occupancy by the general public.

P. Resilient Surfacing:
   1. Manufacturer’s details showing depths, and edge details.
   2. Certification that surfacing system meets the requirements of ASTM F1292-09 for a head-first fall from highest accessible portion of specified play equipment, or critical fall height as defined by play equipment manufacturer, whichever is higher.
   3. Certification of Insurance shall be provided by manufacturer covering general and product liability, of not less than $1,000,000 for each occurrence, $2,000,000 general aggregate, with an excess/umbrella liability of $25,000,000. The issuing underwriter shall be AA rated or better.
   4. IPEMA certification is mandatory. Certificate shall verify that the project conforms to ASTM F1292, and shall include the project’s specified depths of poured-in-place rubberized surfacing.
   5. Physical sample of resilient surfacing.

1.03 MANUFACTURERS’ WARRANTIES

A. Play Equipment: Shall be a 100-year limited warranty for all aluminum posts, clamps, beams and caps; 10-year or greater limited warranty for all plastic and steel components; and 3-year or greater limited warranty for all moving parts and swing seats and hangers.

B. Resilient Surfacing: Shall maintain required impact attenuation characteristics and be guaranteed against defects in workmanship and material for a seven (7)
year period. Submit manufacturer’s standard warranty document executed by authorized company official. Manufacturer’s warranty is in addition to, and not a limitation of, other rights the City may have under the contract documents. Warranty Period shall commence 7 years from the date of final completion of the work.

1.04 LIABILITY INSURANCE: Manufacturer shall carry general liability and product liability insurance with minimum limits of:

$1,000,000.00 general aggregate
$2,000,000.00 each occurrence

PART 2 - PRODUCTS

2.01 Play Equipment

A. Play structures, swings, and sand desk, shall be as indicated, manufactured by Kompan or approved equal. Available from Kompan, attention Jennifer Lazarini (925) 285-0440.

2.02 ADA Transfer Station

A. ADA Transfer Station shall be Model No. 126205 Transfer Station as manufactured by Landscape Structures, or approved equal. Contact Alex Hailey at Ross Recreation Equipment, Santa Rosa CA.

2.03 Engineered Wood Fiber Surfacing

A. Shall be Fibar System 300, or approved equal, available through Husbands and Associates, Pleasanton, CA 925-426-5001. The system shall include the Fibarmat Wear Mats under the slide exits, vertical-climbing poles, and other activity areas as recommended by the manufacturer. The system shall include the filter fabric, and the drain strips.

B. Engineered wood fiber resilient surfacing shall conform to ASTM F1292 appropriate for the fall height of the equipment.

C. Contractor shall submit quart samples of wood chip resilient surfacing to the Engineer for approval prior to delivery of material to the site.

D. Aggregate base material shall be Class 2 Permeable Material per the State Standard Specifications. No other material shall be allowed

E. Geotextile Filter Fabric: Non-woven polypropylene geotextile for soil separation and drainage, Mirafi 140N, Fibarfelt, or approved equal.

F. Performance Requirements

a. Area Safety: Surfacing shall meet or exceed the performance requirements of the CPSC, ADA and Fall Height Test ASTM F1292-09. The surface must yield both a peak deceleration of no more than 200 G-max and a Head Injury
Criteria (HIC) value of no more than 1,000 for a head-first fall from the highest accessible portion of play equipment being installed. IPEMA certification is required. Specified surfacing depths shall be IPEMA Certified to conform to ASTM F1292.

b. Accessibility: Children’s outdoor play areas shall be in compliance with the Uniform Federal Accessibility Standards (UFAS) FED-STD-795 and the Architectural and Engineer Instructions (9AEI) Design Criteria. The requirements of the Americans with Disabilities Act Accessibility Guidelines (ADAAG) 28 CFR Part 36 that provide equal or greater accessibility than the requirements of UFAS must also be met in children’s outdoor play areas.

2.04 Sand Surfacing

A. Play Area Sand: Shall be sand salvaged from the existing play area, screened and washed clean by the contractor. At Contractor’s option, new sand may be supplied. New sand shall be screened and washed, clean sand designated by supplier specifically for use in playground sand areas and sand boxes, “Playground Sand” as available from Brown Sand, Inc., Lathrop, CA, (209) 234-1500, or approved equal.

B. Filter Fabric: Non-woven polypropylene geotextile for soil separation and drainage, Mirafi 140N or approved equal.

PART 3 - EXECUTION

3.01 Play Equipment and ADA Transfer Station

A. Install all components in accordance with manufacturer’s recommendations.

B. Install all play structure posts plumb. All decks and other horizontal components shall be installed level.

3.02 Engineered Wood Fiber Surfacing

A. Install as indicated and in accordance with manufacturer’s recommendations.

B. Prepare compacted subgrade as specified in Section 31 20 00 Earthwork. Slope subgrade to subsurface perforated drain pipes.

3.03 Sand Surfacing

A. Prepare compacted subgrade as specified in Section 31 20 00 Earthwork. Slope subgrade to sand area drain. Ensure completed subgrade is a true, even plane that will not pond water. Subgrade surface shall be clean and dry.

B. Install filter fabric on subgrade per manufacturer’s instructions. Extend edge of fabric up sides of concrete wall at edge of sand area, to 6 inches below top of sand.

C. Install approved sand to depths indicated.
D. Sand shall not be placed when wet.

PART 4 - MEASUREMENT AND PAYMENT

4.01 PLAY EQUIPMENT

A. The contract lump sum price paid for Play Equipment shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Play Equipment, including ADA Transfer Station, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City’s Representative.

4.02 ENGINEERED WOOD FIBER SURFACING

A. The contract lump sum price paid for Engineered Wood Fiber Surfacing shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Engineered Wood Fiber Surfacing, complete in place, including geotextile filter fabric, drainage strips, and permeable base rock, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City’s Representative.

4.03 SAND SURFACING

A. The contract lump sum price paid for Sand Surfacing shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Sand Surfacing, complete in place, including drainage sump, geotextile filter fabric, permeable aggregate material, and play area sand, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City’s Representative.
SECTION 136000 – RESTROOM BUILDING

PART 1 - GENERAL

1.1 DESCRIPTION

A. The City of Berkeley has evaluated several prefabricated restroom building manufacturers. This bid requires a prefabricated building to be used in lieu of site built traditional construction because of the unique built-in advantages that can be guaranteed by a design/build firm specializing in prefabricated restrooms. This technology includes new innovations such as non-absorbent concrete; anti-microbial components to reduce health risks; built in vandal resistant design; lowered maintenance and long term warranties that reduce owner risk for failure. The specifications herein are based on this process.

B. Work Included: This specification includes the construction and placement of the prefabricated restroom facility building as shown on the plans and in these Specifications.

C. Provide all labor, materials, tools and equipment to fabricate, assemble and install the restroom in place accordance with the plans. Any changes to the layout shown on the plans will be subject to the approval by the City.

D. The prefabricated restroom structure in this contract is an offsite constructed “product.”

E. The installation of the restroom on site is part of the project general construction, which must be coordinated between the general contractor and the restroom supplier/manufacturer and any subcontractors. The plans and specifications for the building foundation pad provided in these contract documents is intended to provide the building pad required to accept the prefabricated restroom. The contractor shall confirm the specified building pad preparation meets the requirements of the approved restroom structure.

1.2 DESIGN STANDARDS

A. The restroom building shall be designed to meet the American with Disabilities Act Requirements, California Title 24, and Uniform Federal Accessibility Standards and City of Berkeley requirements applicable as of the date of these specifications.

B. The manufacturer must comply with all California Building Codes, California Department of Housing and Community Development requirements and the building must come with the California Development of Housing and Community Development tag.
C. The Building must be warranted for 5 years against defects in materials or workmanship.

D. While the City of Berkeley has provided specifications and plans for the restroom building in these contract documents, the contractor’s building design/build subcontractor/manufacturer remain legally responsible for architecture, engineering, and all applicable building, safety, health, fire, and accessibility code compliance for the prefabricated restroom building. Since they hold professional design responsibility to the City, the building subcontractor/manufacturer’s designer must furnish certification that they provide product design liability insurance in the amounts required by the general specifications to cover property damage and personal injury. Final restroom drawings shall be stamped by a California engineer and California Division of Housing, and shall be suitable for City of Berkeley permitting as required.

1.3 RESTROOM INSURANCE RESPONSIBILITIES

A. The building design/build subcontractor must also provide an additional Professional Architectural and Engineering Professional Liability insurance, in the minimum amount of $2,000,000, to cover claims against the City or the general contractor for State and Federal ADA handicapped accessibility and other design/engineering code issues. This Professional Liability Policy must remain in effect for 5 years from the completion and City’s acceptance of the project. Products liability insurance (since it does not cover professional design responsibility only) will be insufficient for this bid and will not be acceptable.

B. Contractor shall retain full responsibility for the restroom facility until such time the restroom facility is placed on the City’s site, and the work is accepted by City. Payment for the prefabricated restroom shall be as specified in Section 01025 Measurement and Payment of these specifications.

1.3 COORDINATION AND SCOPE RESPONSIBILITIES

A. The specified prefabricated restroom building requires coordination between the General Contractor and the prefabricated restroom building subcontractor/manufacturer. The contractor shall provide the necessary coordination to provide the site pad, delivery access for the prefabricated restroom building, architectural design, engineering, off-site building construction, delivery and installation on site, and necessary State of California prefabricated building approvals and certifications. The prefabricated restroom building may include unique components/systems which are custom to the restroom building manufacturer, and shall be included in the restroom design and certified by the building Designer of Record, and respective Professional Liability insurance.

B. Contractor is responsible for the site survey and staking the building location, finished slab survey elevations and marking on site, construction and compaction of the required building pad; access to the site for a large crane and tractor
trailers delivering the prefabricated building; providing water, sewer, and power at
a point of connection as shown on the plans, and as required to accommodate
the City approved restroom building;
and local code; and the installation of all site work shown on the plans for a
complete and operational restroom facility.

C. Contractor is responsible to coordinate with the building
subcontractor/manufacturer design/build firm for site delivery requirements
and issues that may impact the project schedule and ability to deliver and
place the restroom facility as indicated on the plans.

Contractor shall determine delivery and placement requirements, crane access to
be able to set the building module/modules, and proximity of the crane to the
building site.
Contractor shall be responsible for any and all damage to City and other property in
the course of the work, delivery and placement of the restroom building.

D. Contractor shall provide the final building design architectural drawings and
engineering calculations under the responsibility of a licensed engineer, in
compliance with all applicable local, state and federal codes. The design/build
subcontractor/manufacturer shall construct the building offsite as a permanently
relocatable building, transport it to the final required destination, and install the
building as shown on the contract plans and approved restroom building shop
drawings.

1.4 LICENSING AND BID STANDARDS

A. Contractor shall provide the final building design architectural drawings and
engineering calculations under the responsibility of a licensed engineer, in
compliance with all applicable local, state and federal codes. The design/build
subcontractor/manufacturer.

B. City of Berkeley understands that there are several firms who design and build
various types of public restroom buildings in varying quality and architectural
styles, using various construction methods and materials. For the purpose of this
contract, the City has selected the restroom building as shown on the plans and in
these specifications based on a product of the:

Public Restroom Company, 2587 Business Parkway, Minden, NV
89423; (888- 888-2060 extension 106 telephone, and 888-888-1448 fax

and that specifies the City’s desired facility appearance, fixtures, materials,
function and quality and that this firm is the standard for architectural design
(safety, green design, code compliance, and site specific compatibility), building
performance and quality for the intended 50 year building design-life with low-
maintenance based upon the longevity of the materials selected.

C. The City of Berkeley will allow the contractor to submit a restroom from another
restroom manufacturer/firm, but any such firms shall comply with the plans and
these specifications. If the City determines the contractor’s submittal does not meet their requirements, the contractor shall provide the restroom as specified on the plans and in these specifications.

D. The following items shall be provided to the City and as otherwise required by the project specifications to allow the City to review an alternative restroom manufacturer. Failure to supply these items will result in rejection of the submitted alternative.

1. Or Equal submittal shall provide, scaled floor plans and elevations, to show general architectural design criteria is met.
2. Or Equal submittal shall provide, a written list of each and every deviation from the published bid specifications/plans. Lack of specificity to each deviation from the bid specifications will be cause for rejection.
3. Or Equal submittal shall provide, manufacturer’s certification of test compliance from a national independent testing laboratory (within the past 12-months) to support the claim for absorption resistance of the slab type that will be used in their proposed restroom. The written report must state the concrete compressive strength (minimum of 7,000 PSI) and absorption resistance (not greater than 3%) per ASTM standard #C39 and #C642, respectively.
4. Or Equal submittal must provide a list of every building the manufacturer designed and built over the last 3 consecutive years utilizing the same building materials/systems and design criteria as specified on the plans and in these specifications. Provide date of building bid, date of completion, and most knowledgeable City contact.
5. Or equal submittal shall provide certification of the insurance required in these specifications.
6. Contractor shall be responsible for, and bear all cost for architecture, plan checks, design and structural engineering and all fees in obtaining approvals and permits from applicable agencies, and no separate payment will be made by the City. The City will not pay for submittal of alternatives, and rejected products.

E. The City of Berkeley or their designated representative will be solely responsible for the decision to accept or reject any and all “or equal” submittals.

F. The off-site restroom construction requires that a licensed third party inspection firm provide the City and the City building official with certification and compliance for the building with the approved plans and specifications. A certificate of compliance shall be issued by this inspector to the City building official to provide certification that the building meets and or exceeds the approve plans and applicable codes.

G. At the project conclusion, the contractor shall furnish two sets of complete maintenance manuals including a troubleshooting guide, location of manufacturers of key components for replacement parts, and a five (5) year warranty to the City.
1.5 SUBMITTALS

A. Drawings indicating building configuration, material specifications and complete layout plan including the connections between building slab and foundation.

B. Submitted design calculations stamped and signed by a Professional Engineer in Civil Engineering registered in the State of California.

C. Pumping fixtures and miscellaneous catalog data and shop drawings.
   - Water closets
   - Lavatories
   - Urinals
   - Partitions
   - Grab bars
   - Soap dispenser
   - Hand Dryers
   - Mirrors
   - Doors and frames
   - Electrical components
   - All other restroom fixtures and equipment

D. The off-site restroom construction requires that a licensed third party inspection firm provide the City and the City building official with certification and compliance for the building with the approved plans and specifications. A certificate of compliance shall be issued by this inspector to the City building official to provide certification that the building meets and or exceeds the approved plans and applicable codes.

E. At the project conclusion, the contractor shall furnish two sets of complete maintenance manuals including a troubleshooting guide, location of manufacturers of key components for replacement parts, and a five (5) year warranty to the City.

1.6 CERTIFICATIONS, WARRENTIES, AND INSPECTIONS

A. The restroom building shall be certified in compliance with the plan approval by the State of California, Division of Housing, and shall be delivered with an applied insignia in compliance with all State regulations. The City building authority will provide site inspections for the underground mechanical piping and final connections, footings/building pad preparation, and access issues outside the restroom footprint. In addition to code required inspections, the City will inspect the entire project and restroom facility for compliance with the contract documents, including supply of all required components and systems, and quality of installation, assembly, construction and finish.

B. The contractor shall provide a 5-year warranty from the restroom manufacturer, certifications for the concrete slab specification compliance, and maintenance manuals for the building and components.
PART 2 – PRODUCTS

2.1 CONCRETE SLAB, INDEPENDENT TESTING LABORATORY CERTIFICATION

A. The prefabricated building slab special concrete technology shall be water and urine resistant for life due to special additive technology. The contractor shall furnish a test certification of compliance from a national independent testing laboratory to support the claim for absorption resistance. The written report shall state the concrete compressive strength (minimum of 7,000 PSI) and absorption resistance (not greater than 3%) per ASTM standard #C642 and #C39 respectively. The contractor shall provide a general certification of compliance with the above standards.

2.2 CONCRETE BUILDING SLAB/FOUNDATION

A. The mat engineered 8” minimum thickness slab/foundation shall be engineered and constructed to withstand the transportation weight of the building without cracking and to resist absorption from liquids deposited on the surface. The concrete slab shall be constructed inside a steel angle curb, reinforced with dual mats of reinforcing steel (tension and compression,) and poured with a custom concrete formula with special admixtures to create a finished slab that is water proof for life.

B. Perimeter Steel Curb: Minimum 5/16” 50,000 psi kip steel 6” X 6” welded continuous angle.

C. Reinforcing Steel Mat: Two layers of 60,000 psi tensile steel rebar in varying sizes per engineer’s requirements, including a perimeter structural continuous grade beam design inside the exterior steel angle and at any other location deemed by the engineer of record as required for the use intended. Reinforcing steel shall be wire tied as required by code and reinforcing steel bar overlaps shall be minimum of 15 diameters for any connection unless required to be greater overlap by the applicable codes and the engineer of record.

D. All slab openings shall be surrounded with two layers of steel collars as required by the engineer of record to stop corner cracking and to reinforce the openings for lifting.

E. 1” thick by 3” minimum length threaded nuts or approved equal shall be welded to the steel perimeter frame with continuous ¼” fillet welds. Nuts shall be welded to common steel plates per the engineer of records design and attached to the interior steel reinforcing steel structural mats.

F. The engineer of record shall specify lifting locations, number of lifting locations, permanent and removable hardware with sufficient reinforcement to allow the safe lifting of the entire designed weight of the structure.

G. The slab shall be poured on a flatbed/form to assure proper surface to allow the building to be set as required on the project site. The concrete mix design shall not exceed a 3” slump and shall be stinger vibrated for maximum consolidation. All floors shall slope to any floor drains within each room. The surface shall be a very light broom that should meet a coefficient of friction on the surface of .06, or as otherwise required to meet all...
applicable codes. Birdbaths or non-draining low areas on the finished slab shall be cause for rejection.

H. The steel perimeter angle and/or other permanently attached lifting devices will remain below the concrete surface by a minimum of two inches from the surrounding finished grade to prevent corrosion. After the site concrete sidewalks are poured, the joint shall be full flow sealed with self-leveling grey urethane sealant to prevent penetration of water into the joint.

I. The building shall be designed for future relocation and shall provide protection for the lifting openings in the mat slab so that the threaded openings will be available for future use if needed.

J. The building system shall be designed for placement on the site and building pad as indicated on the plans, and as required by code.

2.3 EXTERIOR & INTERIOR MASONRY BLOCK WALLS

A. The exterior walls shall be 4” and or 6” thick concrete masonry units (CMU) per State of California codes, engineering for wind and seismic to height shown on contract plans or on approved shop drawings whichever is higher. The interior walls shall be 4” and or 6” thick CMU, and shall be as required by the engineer’s calculations.

B. The 8” minimum thickness mat engineered concrete slab shall be cured a minimum of 7 days. Holes for vertical dowels shall be drilled into the mat engineered slab avoiding any grade beams or other structural reinforcement. Once the holes are drilled, blow out the remaining material and using two part structural epoxy, wet set the #3 or #4, or larger vertical rebar as specified on the engineering calculations into holes drilled to the depth per the engineer of record requirements. Each rebar shall be held vertical to allow equal epoxy support to each dowel during the drying period. Reinforcing steel shall be installed in each concrete block center void or every block hole as required by the engineer. The engineered uplift on each rebar shall be sufficient to restrain any load imposed on the masonry block wall for vertical rebar pull out from the concrete mat engineered slab.

C. The block walls shall be nominal 8” x 16” CMU, thickness as specified by the engineer. The building corners shall have special corner return block that matches the exterior finish and creates a uniform appearance. All CMU shall be custom fabricated with an enlarged interior hole for placement of the grout and vertical rebar.

2.4 ROOF SYSTEM

A. The roof structure shall be 2” x 6” wood rafters at 24” on center with 5/8” OSB sheathing, with fiberglass batt insulation between rafters, and ice and water shield membrane with 26 gauge standing seam metal roof panels, color selected by City. The rake and fascia shall be 14 gauge formed steel painted in a color selected by City.
B. Roof shall be designed per plans to reduce vandals climbing on roof and to obtain proper ventilation size openings for the gables to provide fan-free ventilation. The roof design shall exceed compliance with local code at 20 PSF live load and wind load “C”, or as otherwise required by applicable codes.

C. The restroom ventilation screens (described in a following section) shall be attached to the truss frames and non-removable by vandals. Roof color shall be determined by City.

2.5 INTERIOR WALL FINISH:
A. Interior precision CMU block masonry walls shall be smoothed to a pebble grain finish with 2-4 mil layers of 7-day curing block fillers and painted with two additional 4 mil layers of industrial high solids (white) industrial grade enamel. Pony, gable walls, and ceiling shall be wood-framed, sheared, and surfaced with fiber cement board, pattern selected by City and painted white with industrial high solids enamel.

2.6 EXTERIOR WALL FINISH, MASONRY AND GABLE
A. The building exterior finish shall be split-face and precision 8” x 16” CMU, and painted with two 4 mil layers of industrial high solids, gloss enamel to a 4 mil thickness, color selected by City.

2.6 GABLE VENTILATION SYSTEM
A. Shall be woven 3/16” X 1” X 1”, 316T stainless steel wire mesh set in the CMU block and stainless steel angles attached to the CMU wall with vandal resistant stainless steel screws, per plans.

2.7 DOORS AND GATES
A. All entry doors shall be 7'-0” high, but the doors will be undercut to 6’ 11” effectively raised 1” on finished grade. The doors shall be pultruded fiberglass, custom fabricated, 6 lb./cubic foot, closed- cell polyurethane core wrapped in 4 layers of glass fiber reinforcement and resin encapsulated to 1/8” at all door faces for impact resistance. Stile edges are 9/16” thick of solid FRP structural reinforcement, allowing for maximum screw holding capability. Top rail is 6” deep with ¼” wall thickness to provide ample reinforcements for closer attachments. Matching pultruded fiberglass or stainless steel door jamb shall be solid filled with 3000 psi masonry grout mix.

B. All entry doors shall have a 1/8” thick plate stainless steel “Z-shaped” anti-microbial pull handles with integral latch guard and Schlage B-600 series commercial series dead bolts.

C. The door closer shall be “LCN” heavy duty #4210 Series, fastened to a structural reinforced welded door plate per manufacturer design.

D. Stainless steel vandal resistant fasteners shall be used on all hardware.
E. The “Securitron” Magnalock Model M62 magnetic time clock, 7-day programmable, controlled lock system shall be furnished for each restroom entry door. “Touch to Exit” (Touch Sense) release plate shall be installed adjacent to the interior door jamb of each restroom door to comply with code. System shall also remain operating for a minimum two-hour power out cycle by a self-charging battery back-up.

F. Power input to the system shall be 120VAC. The system shall have its own step-down transformer and 24VDC power supply with battery backup. A master door release switch shall be provided for the system. All wiring of the lock/security system shall be in conduit.

G. Components such as step-down transformer, time clock, DC power supply, battery and related components shall be in a pad lockable enclosure.

2.8 SPECIALTIES

A. All specialty washroom equipment shall be commercial grade stainless steel fastened securely to walls with vandal resistant stainless steel screws to avoid removal by vandals as follows:

1. Toilet paper holder shall be a custom fabricated, covered, three-roll, 14 gauge stainless steel with lock. The angled design shall prevent vandals from standing on the top and causing damage. Toilet paper holders shall be attached to block walls with 4 epoxy embedded vandal resistant stainless steel fasteners.

2. Stainless steel grab bars to code shall be 1 ¼” minimum exposed fastener vandal resistant design and installed at each accessible water closet. Two grab bars shall be vertically mounted, one each side of the accessible urinal per code.

3. Cast Aluminum T-24 compliant door signs shall be recessed into block surface flush with masonry exterior. Signs shall have raised pointed Braille tips and shall be blind secured with epoxy adhesive and stainless steel fasteners.

4. The toilet partition walls shall be concrete precision block finished the same as the building interior walls, structurally reinforced to support load of 350 lbs minimum and raised 12” above finished floor. The toilet partition doors shall be custom fabricated, ¾” PaperStone Sustainable Composite Surface panels, color to be “Slate.” The doors are secured by stainless steel fasteners to a continuous stainless steel spring-loaded 54” hinge and the door latch shall be custom-fabricated stainless steel design that is vandal-resistant and has an anti-microbial finish. There shall be a coat hook on the back of each partition door.

5. Soap dispenser for restroom building shall be a wall mounted stainless steel Bobrick Model #B-2111.


2.9 PLUMBING
A. Building shall be fully compliant with 2013 CBC, Mechanical provisions and the following codes:
   1. All applicable State of California Building Codes. Latest edition applicable.

B. GENERAL: All components and fabrications shall be designed to reduce life cycle maintenance, be compatible with current maintenance spare parts, and shall be listed in a spare parts/maintenance manual (two copies) delivered in utility chase of building.

C. WATER PIPING: Shall be commercial grade PEX per code above grade and type K copper below grade. All water piping shall be designed and constructed with high and low point drain fittings. All piping shall be mounted on Uni-strut wall brackets with neoprene isolators, to meet all applicable codes.

D. WATER PRESSURE GAUGE/VALVE COMBO: install three commercial grade industrial water pressure gauges (one on incoming line, one at pressure regulator valve and one after water filter), isolation ball valves, 150 PSI pressure regulator with wye strainer, 10-micron water filter with clear canister, and check valve.

E. PLUMBING FAUCETS, ISOLATION VALVES AND ACTUATORS: All fixtures except those with flush valves shall be isolated with ball valves for each fixture, concealed antimicrobial impregnated flush handle valves, and metered push-button lavatory faucets.

F. DWV PIPING: DWV piping shall be concealed behind the wall, and not exposed within the restrooms. DWV piping shall be PVC DWV, solvent welded, for all concealed piping. A cast iron no hub DWV vent pipe with a cast iron roof mounted vandal cap vent shall be required, through the roof.

G. REMOVABLE PIPE TRAPS: all floor drain, sink drain, and waste traps shall be removable for maintenance. Floor drains shall be trapped behind the wall in the utility chase using a combination waste and vent system. Floor drains shall be increased two pipe sizes over standard to allow code use. Trap primers for restroom floor drains shall not be used as restroom maintenance is hose- down. All surface mounted utility chase piping shall be mounted on Uni-strut with plastic isolators to code. Sink drain traps shall be concealed behind the utility chase walls where maintenance staff can access all plumbing.

H. DRINKING FOUNTAINS: Shall be 14 gauge, stainless steel and manufactured by Acorn. Dual A151400B-FG units shall be mounted high and low for ADA compliance.

I. PLUMBING FIXTURES: All plumbing fixtures shall be 14 gauge, 316 ‘marine grade’ stainless steel manufactured by Acorn. Toilets and urinal shall be wall hung, rear discharge, with concealed anti-microbial, lever-type, flush valves. Toilet seats shall be black solid core plastic, non- flammable construction with continuous stainless steel concealed self-checking hinges. Lavatories shall have concealed remote traps behind the mechanical wall. Schedule of fixtures:
1. Water Closets: Acorn Penal-Ware, 1675-W-1-HET-FVBO-9-ada-PFS
2. Water Closet Flush Valve: Zurn Z6143AV-WS1-BG-7L
3. Lavatories: Acorn Penal-ware 1652LRB-1DMS-03-M-H1
4. Urinal: Acorn Penal Ware: 1709 HEU with custom stainless steel 1-1/2” spacer for ADA compliance.
5. Urinal Flush Valve: Zurn Z6195AV-WS1-BG-7L

J. FLOOR GRATES: Removable 350 lbs per square foot pultruded fiberglass non-skid floor grates shall be installed over every opening in the utility chase for OSHA compliance.

K. HOSE BIBS: There shall be one Woodford 24B hose bib provided in the utility chase.

L. HOSE REEL: One commercial grade hose reel with capacity for 65’ X 3/4” commercial heavy duty hose and nozzle shall be hung in mechanical room for cleaning of restrooms. One 65’ X 3/4” commercial hose shall be furnished.

M. UTILITY SINK: There shall be a Mustee 17F laundry tub with legs in the utility chase.

2.10 ELECTRICAL

A. GENERAL: Electrical system and components shall be commercial grade or better and piping conduits shall be installed on commercial Uni-strut wall hangers. Interior and exterior electrical lighting fixtures in public areas shall provide lifetime manufacturer’s warranty. All electrical wiring shall be in conduit. Each power or lighting circuit shall be provided with a green grounding conductor. Each electrical device and piece of electrical equipment shall be tested and checked for grounds and shorts. Provide certification that the complete electrical equipment, system, and all circuits have been tested and are free of grounds and shorts.

B. PANEL/WIRING: One 100 amp, 120/240 single phase, industrial grade Panel Board, Square “D” QO series, or approved equal, with 100 amp combination meter and main circuit breaker panel, shall be mounted in the utility chase in the restroom building. All breakers shall be snap-on type, minimum 10,000 A.I.C. RMS (Sym). Wiring shall be copper wire #12 min in EMT piping with compression fittings. Quantity of the supplied circuit breakers shall be as indicated on the Mini Load Center Schedule shown on the plans. This panel shall be part of the meter and main. Refer to Section 260000, Requirements for Electrical Work in the Specifications for additional requirements.

C. PIPING: All piping shall be surface mounted to the masonry block walls with minimum of 2” fastener penetration. EMT conduit shall be minimum 3/4” size, compression type fittings. Main panel shall maintain a 30” X 36” safety code required clear space, floor to 6’ above finished floor.

D. EXTERIOR LIGHTING: Luminaire YWP610 LED, vandal resistant, high-impact polycarbonate lens fixtures, with minimum quantity shown on the plans, shall be installed per plans.

E. INTERIOR LIGHTING: Luminaire SWP610 LED vandal resistant high-impact
polycarbonate lens fixtures with minimum quantity shown on the plans, shall be installed in the restrooms per plans. The utility chase shall have two (2), 4’ double-tube LED fixtures, suitable for wet locations, with a single switch at door entry.

F. INTERIOR CHASE AND STORAGE LIGHTING: The utility chase / storage area shall have two (2) Green AL-42L double-tube LED fixtures suitable for wet locations, with a single switch at each door entry.

G. LIGHTING CONTROL: All interior and exterior restroom lighting shall be controlled by integrated occupancy sensors. Exterior lighting shall also be controlled by an Astronomic time clock mounted in the utility chase. Two bypass switches (one interior, one exterior) shall be shall be provided in the chase for testing purposes.

H. ELECTRICAL OUTLETS: One (1) commercial specification grade duplex outlet 20A/125V grounding type shall be located in the utility chase adjacent to the panel.

I. HAND DRYER: Shall be Dyson Airblade V, anti-microbial Nickel-finish, one adjacent to each lavatory in the restrooms for a total of two units.

PART 3 – EXECUTION

3.1 SHIPPING PROTECTION
The building, while traveling over roads to the destination may encounter inclement weather or road grime that shall be cleaned when it arrives on site. The building shall be shrink-wrapped before transportation and sufficiently strong to arrive at the project site intact for exterior finish protection. Transportation materials removed on site shall be disposed of and recycled by the contractor in accordance with all applicable requirements. The building shall be free of damage, and in new condition in all respects upon the City’s acceptance of the work.

3.2 INSTALLATION, GENERAL
A. Install restroom at the location as indicated on the Plans, and as noted in these Specifications.

B. Coordinate with the manufacturer, and follow the manufacturer’s recommendations for proper installation.

PART 4 – MEASUREMENT AND PAYMENT

4.01 RESTROOM BUILDING
A. The contract lump sum price paid for Restroom Building shall include full compensation for furnishing all labor, supervision, materials, tools, equipment, transportation, placement and incidentals and for doing all the work involved in fabrication and installation of the Restroom Building, complete in place, including excavation and backfill for foundation,
building pad, concrete foundation, and utility connection, as shown on the plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the engineer. Partial payments for Restroom Building shall be made as follows:

1. Upon City approval of shop drawings, twenty percent (20%) of the contract item price for Restroom Building will be included in said estimate for payment.

2. Upon completion of restroom building fabrication, and State inspection approval, fifty percent (50%) of the contract item price for Restroom Building will be included in said estimate for payment. Contractor shall provide documentation such as, but not limited to, photographs of the building and its completed components, the supporting documentation including schedule of values completed, and State inspection approval letter.

3. Upon delivery, on-site installation, City acceptance of building, and issuance of warranty, thirty percent (30%) of the contract item price for Restroom Building will be included in said estimate for final payment for this contract item of work and no additional compensation will be allowed therefore.

END OF SECTION
136000
SECTION 26 52 00 - SITE ELECTRICAL

PART I - GENERAL

1.01 SCOPE

A. Furnish and install all labor and materials for complete installation of electrical connection to new restroom panel including circuit breakers, existing load center adjustments, conductors, conduits, pullboxes, outlets, detectible tape, trenching and backfilling, and miscellaneous related work as shown on Drawings.

B. Contractor shall visit the site prior to submission of his bid, verify all conditions that will affect the performance of his work, make all necessary measurements, and notify the City Engineer of any discrepancies between the plans and the actual field conditions, prior to bidding.

C. Contractor shall secure all necessary permits. There shall be no charge for permits that are issued by the City.

D. Contractor shall coordinate his work with the other trades, reviewing areas of possible conflict of space.

1.02 SUBMITTALS

A. Prior to ordering any materials, Contractor shall furnish the Landscape Architect with manufacturer's literature and catalog sheets, per General Requirements section, and/or manufacturer's data sheets for the following items:
   1. Pullboxes with lids
   2. Circuit breakers
   3. Conductors
   4. Conduit and conduit fittings
   5. Conduit sealing materials
   6. Detectible warning tape
   7. Grounding and bonding materials

1.03 STANDARDS

A. Unless otherwise indicated or specified, all materials and methods shall conform to the appropriate current sections of:
   2. The State of California, latest edition of the Department of Transportation Standard Specifications (DTSS), except for measurement and payment requirements.
   3. Applicable ASTM specifications as they reasonably apply to this work, except for measurement and payment requirements.
   4. Where conflicts occur, most stringent requirements apply.

B. All materials shall be new with the Underwriter's acceptance label attached.
C. All work shall conform to the requirements of the California Electrical Code 2016, amended 2014 edition of the National Electrical Code, OSHA, California State Safety Orders and the City regulations.

D. The complete electrical installation shall be permanently grounded per the CEC and local regulations.

1.04 RECORD DRAWINGS

A. Contractor to keep accurate and scaled reproducible record plans of the entire electrical installation. Deviations and changes from the Contract Drawings shall be noted on this drawing. All work that is installed under this Contract shall be included on these drawings.

1.05 GUARANTEES

A. Contractor shall guarantee, in writing, for a period of one (1) year from date of acceptance, that all work installed shall be free from defects in workmanship and materials. If during this period of one (1) year any such defects appear, the Contractor shall, without cost to the City, remedy such defects. If the Contractor defaults on this guarantee, the City may have such work done and charged to the Contractor.

PART 2 - PRODUCTS

2.01 CONDUCTORS

A. Shall be copper, thermoplastic insulated, 600V, type THWN, Southwire, Rome, Phelps Dodge, or equal.

B. Color coding: Conductors shall be identified as to phase connections by means of color impregnated insulation or approved colored marking tapes as follows:

<table>
<thead>
<tr>
<th>VOLTAGE</th>
<th>A-PH.</th>
<th>B-PH.</th>
<th>C-PH.</th>
<th>NEUTRAL</th>
<th>GROUND</th>
</tr>
</thead>
<tbody>
<tr>
<td>240/120V 1phase</td>
<td>Black</td>
<td>Red</td>
<td>-----</td>
<td>White</td>
<td>Green</td>
</tr>
</tbody>
</table>

2.02 CONDUITS

A. Non-metallic: for use underground, HDPE, by Carlon, PW Pipe, or approved equal. All conduits entering pull boxes shall have end bells.

B. Metallic: for use above ground, galvanized rigid steel, as manufactured by Allied, Appleton, or approved equal.

2.03 PULLBOXES

A. Site boxes for use as pullboxes shall be reinforced concrete. Boxes shall be complete with base section, riser, and lids, and indicated on Drawings. As manufactured by Jensen Precast HT1017-B, Christy, or approved equal.
B. Top of pullboxes located flush with adjacent pavement. In landscaped areas top of pullboxes shall be set flush with final grade.

C. Set base of pullboxes on 6 inch base of crushed drain rock, and as indicated on Drawings. Covers shall be marked indicating type of service, i.e. Electric.

2.04 GROUND RODS

A. Ground rods shall be installed in all pull boxes, minimum size 5/8" diameter by 8' long, copper clad steel, as manufactured by ERICO, with phosphor bronze ground rod clamps, or approved equal.

2.05 DETECTIBLE WARNING STRIPS

A. Detectible warning strips, direct burial, 3" wide red color, as manufactured by Mule, 3M, or approved equal.

PART 3 – EXECUTION

3.01 CONDUCTORS

A. All conductor splices shall be completely watertight, utilizing Scotch-cast 85 series electrical splicing kits with molds, resin and tapes. Splices shall be prepared as recommended by the manufacturer. Alternatively, CalTrans “Method B” may be used for splicing procedure.

B. Upon completion of the installation of the conductors in the conduits, all conduit ends shall be sealed watertight with non-hardening, non-oxidizing and non-corrosive sealing compounds, Duct-Seal, Permagum, or approved equal.

C. All conductors shall be installed free from injuries, abrasions, and cuts or crimping. Where necessary to provide cable lubrication for smooth conductor installation, Contractor may use Jet Line products “SWP” series or approved equal.

3.02 CONDUITS

A. Separate conduit runs not less than one foot horizontally and one foot vertically from gas, water sewer and drain lines.

B. Place WARNING-ELECTRIC marker strips the continuous length of trench, down 12" from finish grade. Strips shall be installed over all lighting and power conduits.

C. All conduits entering underground pullboxes shall have wide flange end bells.

3.03 REPAIRS

A. Replace existing roadways, walkways, paving, or similar surfaces to match existing work, except material used shall not be of lesser quality than required for
the same material in General Work Specifications, if such work is specified therein.

B. Bring to grade any subsidence occurring during the guarantee period by adding surfacing materials of the like kind.

3.04 EXCAVATION AND BACKFILLING

A. Excavate and backfill as required for the installation of electrical work. Restore all surfaces, roadways, walks, curbs, walls, etc., cut by installations to original condition in an acceptable manner. Maintain all warning signs, barricades, flares, and lanterns as required.

B. Dig trenches straight and true to line and grade, with bottom clear of any rock points. Support conduit for entire length on undisturbed original earth. Minimum conduit depth of pipe crown shall be 2 feet below finished or natural grade.

C. Backfill materials, placements, and compaction shall conform to applicable requirements of earthwork section of these specifications.

3.05 TESTS

A. Tests shall be conducted during the construction period and at completion to determine conformity with applicable codes and these specifications. Tests shall be performed in the presence of the City Engineer.

B. Tests shall include, but are not limited to, the following:
   1. Insulation Resistance: Perform 500-volt D.C. tests for one minute on all 240-volt feeder conductors, including the neutral, and make a typed record of all readings to be included in the maintenance instructions. Submit record for approval to Engineer. Repair or replace circuits showing less than 4 megohms resistance to ground. Make tests using Biddle Insulation Resistance Megger, or equal.
   2. Circuits Continuity: Test all feeder and branch for continuity. Test all neutrals for improper grounds.
   3. Grounds: Perform ground continuity of equipment grounding conductors.

PART 4 - MEASUREMENT AND PAYMENT

4.01 SITE ELECTRICAL

A. The contract lump sum price paid for Site Electrical shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Site Electrical, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City’s Representative.

END OF SECTION 26 52 00
SECTION 31 20 00 – EARTHWORK

PART 1 - GENERAL

1.01 SUMMARY

A. Earthwork shall conform to the provisions in Section 19, “Earthwork,” of the Standard Specifications, these Special Provisions, as shown on the Project Plans and the direction of the City’s Representative.

B. This Section includes, but is not limited to, excavation, filling, moisture conditioning, off-haul and disposal of excess excavated material, if any, grading, and subgrade compaction for construction of pavements, cuts and fills, and site structures, as indicated on drawings and specified herein.

1.02 REFERENCES

A. Standards:

1. Unless otherwise shown or specified, all materials and methods shall conform to the State of California, Department of Transportation Standard Specifications (2010), hereinafter referred to as the Standard Specifications.

1.03 SUBMITTALS

A. Field Test Reports:

1. Refer to Article 3.03, “Compaction Requirements,” of this Section.

1.04 DELIVERY AND STORAGE

A. Deliver and store materials in a manner to prevent contamination or segregation. Storage areas will be as designated by the City’s Representative.

1.05 SITE CONDITIONS

A. Site Information:

1. Examine the site to ascertain the state and conditions under which the work is to be done.

B. Use of Explosives:

1. The use of explosives is not permitted.

C. Protection of Persons and Property:
1. Barricade open excavations occurring as part of this work and post with warning lights. Operate warning lights as recommended by authorities having jurisdiction.

2. Protect utilities, pavements and other facilities from damages caused by excavation, settlement, lateral movements, undermining, washout and other hazards created by excavation operations.

D. Tree Protection: Earthwork shall conform to the provisions of Section 01 56 39 Tree Protection.

PART 2 - PRODUCTS

2.01 SOIL MATERIALS

A. All soil materials shall be approved by the City’s Representative before they are used in the work.

B. Engineered Fill:

1. Only Engineered Fill shall be used where needed to achieve final subgrade.

2. Engineered fill material shall be imported, non-expansive material, granular in nature.

3. Engineered fill shall be friable soil without clods of clay, free of debris, roots, wood, scrap material, refuse, soft unsound particles, and deleterious and objectionable materials.

4. Maximum particle size shall be three inches, with at least 90% by weight passing the 1-inch sieve.

5. Plasticity Index shall be 15 or less.

6. Liquid Limit shall be less than 30%

7. % Passing #200 Sieve shall be within the range of 8% - 40%

C. Site Soil

1. Site Soil may be used as fill material if it meets the above requirements for Engineered Fill.

PART 3 - EXECUTION

3.01 INSPECTION

A. The City’s Representative shall examine work in place on which the work of this Section is dependent. Defects which may influence satisfactory completion and performance of the work of this Section shall be corrected in accordance with the requirements of the applicable section of work prior to commencement of the work of this Section. Commencement shall be construed as work in place being acceptable for satisfying the requirements of this Section.
3.02 FILL

A. Placing:

1. Place fill materials in successive horizontal layers over the entire width and breadth of the section under construction. Each layer shall not be over 8 inches thick, loose measurement. After dumping, spread the fill material by approved means.

2. As soon as practicable after commencement of a fill section, raise or crown the central portion thereof with grades not to exceed five percent (5%) so that the surface will drain freely. Maintain drainage grades throughout construction until completed to indicated levels and grades.

3. Roots, trash, debris and all stones larger than three inches (3") in maximum dimension shall not be allowed in fill material.

4. Maintain the entire surface of a section under construction in such condition that construction equipment can travel on all parts of all sections. Fill ruts in surface before proceeding with compaction operations.

5. The face of fill slopes shall be constructed “wide” and trimmed back or compacted to provide a dense, smooth surface free of loose material.

B. Moisture Conditioning and Compaction of Fill Layers:

1. Compact each layer of fill material at minimum of three percent (3%) over optimum moisture content as determined by ASTM D1557 to the density specified under Part 3.06, Compaction Requirements. Prior to compaction operations, the layer of fill material shall be scarified, disked, harrowed or pulverized sufficiently to break down oversized clods, as appropriate.

2. The fill material shall not be allowed to fall below the minimum three percent (3%) over optimum moisture content prior to placement of additional fill material or aggregate base.

C. Temporary Suspension of Work:

1. The Contractor is advised that excavation and fill work shall be performed during dry weather only, and work may be suspended if rain is forecast within seventy-two (72) hours of proposed excavation or fill work. If work is suspended more than twenty-four (24) hours on a section receiving fill, the City's Representative may, as a protective measure, direct that the area be graded and compacted to prevent loss of moisture and to facilitate drainage. Before work is resumed in the area, surface shall be scarified, watered or allowed to dry as required, and recompacted. The cost for this work shall be considered as included in the unit prices paid for the various Contract items of work, and no additional compensation will be allowed therefore.
2. If compaction occurs in the fall or early winter and operations have ceased during the winter, the surface shall be rolled with a flatwheel roller, recompacted and sloped to allow runoff of surface water. No equipment shall be placed on the surface after the completion of the above operations until it is dry enough that rutting and remolding of the surface will not occur.

3.03 COMPACtion REQUIREMENTS

A. Testing:

1. Contractor shall hire and coordinate with a qualified, City-approved materials testing company.

2. All compaction testing shall be at the Contractor's cost.

3. The Contractor shall notify the Testing Company a minimum of one (1) working day prior to when compacted materials are ready to be tested. The Contractor shall pay for all tests.

B. Moisture-Density:

1. The compacted density at optimum moisture content as determined by moisture-density modified proctor test shall be:

   a. Ninety-two percent (92%) of maximum dry density for the upper six inches (6") of site compacted areas.

   b. Ninety-five percent (95%) of maximum dry density for the aggregate base material under pavement sections.

   c. Ninety percent (90%) of maximum dry density for the remaining site compacted areas exclusive of the upper six inches (6").

   d. Eight-five percent (85%) of maximum dry density for the upper six inches (6") of remaining site areas.

   The moisture content shall be maintained within a tolerance of plus or minus 3% of optimum until weight is obtained as determined by ASTM D1557.

C. Moisture Control:

1. Prior to compaction operations, provide the necessary equipment for adding moisture to the subgrade material and to each layer of backfill and fill material.

2. If moisture is required to be added to the surface of the subgrade or layer of backfill or fill material, water shall be uniformly applied and accurately measured, and application of water shall be controlled so that free water will not appear on the surface during or subsequent to compaction operations.
3. Material that is too wet to permit compaction to the specified density shall be permitted to dry, assisted by diskng, harrowing or pulverizing, if necessary, until the moisture content as required in Section 3.03 (B)(1), or as directed by the Soil City’s Representative, is reached.

3.04 SUBGRADE PREPARATION

A. Subgrade Compaction and Moisture Conditioning:

1. Thoroughly loosen the top eight inches (8”) of subgrade to be compacted by scarifying or plowing. Remove roots and other debris turned up by such loosening. Compact the loosened subgrade to the moisture content and density specified for each class of area under Part 3.06, Compaction Requirements, using approved equipment.

2. Subgrade shall be moisture conditioned to minimum three percent (3%) over optimum as required under this Section.

3. Unsuitable Material: Material found unsuitable for compaction shall be removed to a depth as determined by the Soil City’s Representative and replaced with suitable material, as directed by the Soil City’s Representative. Removal and replacement of material will be paid for in accordance with the contract conditions relative to changes in the work.

3.05 DISPOSAL OF SURPLUS OR UNSUITABLE MATERIAL

A. Unsuitable Material, Debris and Refuse:

1. Excess excavated material or material unsuitable for filling or grading operations, trees indicated on plans to be removed, stumps, debris from previously demolished structures, miscellaneous refuse, and other items indicated to be removed, shall become the property of the Contractor and shall be properly and legally disposed of offsite.

B. Surplus Fill Material:

1. Surplus excavated fill not required for backfilling or filling shall become the property of the Contractor and shall be removed and legally disposed of offsite.

PART 4 - MEASUREMENT AND PAYMENT

4.01 EARTHWORK

A. The contract lump sum price paid for Earthwork shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Earthwork, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City’s Representative.
END OF SECTION 31 20 00
PART 1 - GENERAL

1.01 SUMMARY
A. The work performed in connection with various existing facilities shall conform to the provisions in Section 26, “Aggregate Bases,” of the Caltrans Standard Specifications, these Special Provisions, as shown on the Project Plans and the direction of the Engineer.
B. This Section includes, but is not limited to, aggregate base on prepared subgrade under asphalt concrete paving, concrete curb ramp, concrete curb and gutter, concrete paving, concrete walls, concrete curbs, and concrete bands.

1.02 REFERENCES
A. Reference Specifications:
   2. Where referenced, work shall conform to American Association of State Highway and Transportation Officials Standard Specifications, herein referred to “AASHTO”.

1.03 SUBMITTALS
A. Certificate of Compliance:
   1. Prior to construction, Contractor shall submit certificate of compliance for all Contractor-supplied materials.

PART 2 - PRODUCTS

2.01 AGGREGATE MATERIAL
A. Aggregate shall be Class 2 and shall conform to the provisions in Section 26, “Aggregate Bases,” of the Caltrans Standard Specifications, as shown in the Plans and as specified in these Special Provisions.
B. The grading of the material shall conform to the ¾-inch, maximum specified in Section 26-1.02A, “Class 2 Aggregate Base,” of the Caltrans Standard Specifications.

PART 3 - EXECUTION

3.01 PLACING AGGREGATE
A. Spreading and compacting shall be performed by methods that will produce a uniform base, compaction of no less than ninety-five percent (95%), and free from pockets of coarse or fine material.
B. Aggregate base shall be placed where shown on the Drawings, as specified in these Special Provisions and as directed by the Engineer.
C. Aggregate base which is placed by the Contractor on a temporary basis or to accommodate his work, but which is not specifically required by the Plans and these Special Provisions, shall be considered as included in the various Contract items of work and no separate payment will be allowed therefore.

D. Place aggregate on the subgrade by using approved placing equipment in a uniform layer to the required contour and shape, and in compacted layers of not more than four inches (4") in thickness. Total thickness after compaction shall not be less than indicated. Segregation of large or fine particles will not be acceptable, and pockets of segregated material shall be removed and replaced with a satisfactory mixture, or shall be remixed as directed and approved by the Engineer.

3.03 COMPACTION

A. After placing, compact the material by approved means. Rolling shall begin at edges of the area to be compacted and shall proceed towards the center. Areas inaccessible to rollers shall be compacted by mechanical tampers.

B. Material shall be compacted to the percentage relative compaction recommended in the Geotechnical Report. The moisture content shall be maintained within a tolerance of plus or minus three percent (3%) of optimum until the prescribed unit weight is obtained, as determined by ASTM D1557.

C. Compact each layer until the specified unit weight is attained before placing the succeeding layer.

D. Testing:
   1. Contractor shall hire a qualified, City-approved materials testing company and shall pay for all required tests.
   2. The Contractor shall notify the Testing Consultant a minimum of one (1) working day prior to when compacted materials are ready to be tested. All tests will be paid for by the Contractor until the desired compaction is reached, and no additional compensation will be allowed therefore.

3.04 TOLERANCE

A. Finished surfaces shall be smooth, even and true to the lines, grades and cross sections indicated. When tested with a ten foot (10’) straight-edge parallel to the center line of the surfaced area, finished surface shall not show a deviation in excess of one-quarter inch (1/4") in ten feet (10’).

PART 4 – MEASUREMENT AND PAYMENT

4.01 Aggregate Base

A. Full compensation for Aggregate Base shall be considered as included in the contract price paid for the various associated items of work, and no additional compensation will be allowed therefor.

END OF SECTION 32 11 23
SECTION 32 12 16 – HOT MIX ASPHALT PAVING

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Asphalt concrete paving for pathway.
   2. Headerboard

1.2 REFERENCES

A. Caltrans Standard Specifications, Section 39, for Type A, ½" max aggregate.

1.3 SUBMITTALS

A. Product Data: Submit mix design.
B. Relative compaction and density data.
C. Manufacturer's Certificate: Certify that the products used meet or exceed the specified requirements.
D. Product delivery tickets.

1.4 QUALITY ASSURANCE

C. Obtain materials from same source throughout.
D. Maintain one copy of the Contract Documents on site.

PART 2 PRODUCTS

2.1 MATERIALS

A. Hot Mix Asphalt: In accordance with Caltrans Standard Specifications, 2015, for Type B asphalt, medium grading.
B. Aggregate for Wear Course Mix: Class 2, 1/2" max aggregate.
C. Tack Coat: In accordance with Caltrans Standard Specifications, Section 94 and shall be type SS1 or RS1.
D. Oil: In accordance with Caltrans Standard Specifications for Type A, medium grading.

2.2 ASPHALT PAVING MIX
A. Conform with Caltrans Standard Specifications for Type B, medium grading, 1/2" max aggregate.

2.3 SOURCE QUALITY CONTROL AND TESTS
A. Submit proposed mix design for review prior to beginning of Work.
B. Test samples in accordance with Caltrans Standard Specifications.

2.4 HEADERBOARD
A. Headerboard shall be as specified on the plans

PART 3 EXECUTION

3.1 EXAMINATION
A. Verification of existing conditions before starting work.
B. Verify gradients and elevations of base are correct.

3.2 SUBGRADE PREPARATION
A. Subgrade shall be prepared in accordance with Caltrans Standard Specification applicable to the material type.

3.3 AGGREGATE BASE
A. Aggregate base: Install as specified in Section 32 11 23 at 95% relative compaction.

3.4 PREPARATION - TACK COAT
A. Apply tack coat prior to installing the asphalt concrete surface.
B. Apply tack coat to contact surfaces of curbs and gutters.

3.5 PLACING ASPHALT PAVEMENT - SINGLE COURSE
A. Install Work in accordance with Caltrans Standard Specifications, Section 39.
B. Place asphalt within 12 hours of applying primer or tack coat.
C. If the maximum measured temperature of any truckload of asphalt concrete mix is less than 250 degrees F (as measured in the paving machine hopper), that load
will be rejected by the Architect/Engineer. The Contractor is solely responsible for removing all of the low-temperature mix from the hopper and for disposing of the low-temperature mix.

D. Compact pavement by rolling to specified density. Do not displace or extrude pavement from position. Hand compact in areas inaccessible to rolling equipment.

E. Perform rolling with consecutive passes to achieve even and smooth finish without roller marks.

F. Perform rolling with consecutive passes to achieve even and smooth finish, without roller marks.

3.6 TOLERANCES

A. Finished surface shall not vary more than .01-foot in 12 feet when measured in a direction parallel to centerline.

B. The transverse slope of the finished surface shall be uniform to a degree such that no depressions greater than 0.02 foot are present when tested with a straightedge 12 feet long laid in a direction transverse to the center line.

C. Variation from Indicated Elevation: Within 1/4 inch.

3.7 PROTECTION OF FINISHED WORK

A. Protect finished work from damage.

B. It is the Contractor's responsibility to protect the asphalt immediately after placement from mechanical damage until ready to support traffic. In the event the asphalt is damaged, the Contractor shall grind the damaged area and replace at his expense.

PART 4 MEASUREMENT AND PAYMENT

4.01 The contract lump sum price paid for Hot Mix Asphalt Paving shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Hot Mix Asphalt Paving, including headerboard, preparing base, supplying tack coating and applying to surfaces, placing, compacting, rolling, mix design, supplying to site, and testing, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City's Representative.

END OF SECTION 32 12 16
SECTION 32 13 14 – SITE CONCRETE

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes: Concrete Paving, Concrete Seat Wall, Play Area Wall, Concrete Wall, Stepped Seating Terrace, Concrete Bench and Table Footings, and footings, complete, as indicated on drawings and specified herein.

1.02 REFERENCES

A. Codes and Standards

1. Concrete work shall conform to the requirements of ACI 301-16, "Specifications for Structural Concrete," except as modified by the supplemental requirements below.

2. As noted herein, work shall comply with the requirements of:

   a. the current American Society of Testing Materials series of standards, referred to as ASTM; and

   b. the State of California, Department of Transportation (Caltrans), Standard Specifications (2015), hereinafter referred to as the Standard Specifications, except for measurement and payment requirements.

1.03 SUBMITTALS

A. Submit laboratory test reports for concrete materials and mix design test as specified.

B. Provide materials certificates in lieu of materials laboratory test reports only when permitted by the City's Representative. Material certificates shall be signed by the manufacturer and the Contractor certifying that each material item complies with, or exceeds, the specified requirements.

C. Samples: Construct job-site mock-up samples as follows for City Representative’s review:

   1. Concrete Paving, minimum size 5 x 5 feet. This sample shall also serve for concrete band.

   2. Concrete Seat Wall, minimum 5 foot length. This sample shall also serve for concrete wall, and concrete stepped terrace.

Samples shall portray the specified color, texture, finish, and shall include all types of joints to be installed in the finished work. Once the samples have been approved, all
permanent concrete construction shall meet or exceed the quality of the samples. The City's Representative shall be the sole judge of quality.

At contractor's option, approved samples may be left in place as part of the completed work if approved by City representative.

1.04 QUALITY ASSURANCE

A. Workmanship: The Contractor is responsible for correction of concrete work which does not conform to the specified requirements including strength, tolerances and finishes. Correct deficient concrete as directed by the City's Representative.

B. Field Quality Control Testing (by Contractor's testing consultant):
   1. Contractor shall hire a qualified, City-approved materials testing company and shall pay for all required tests.
   2. Perform slump measurement according to ASTM C143.
   3. Perform air content according to ASTM C231.
   4. Perform compressive strength tests according to ASTM C31 and C39.

1.05 JOB CONDITIONS

A. Existing Conditions
   1. Examine work in place upon which this work is dependent. Defects which may influence satisfactory completion and performance of this work shall be corrected in accordance with the requirements of the applicable section of work prior to commencement of the work. Commencement shall be construed as work in place being acceptable for satisfying the conditions of this section.

B. Protection
   1. Protect the work and adjacent work against damage during progress of the work.

C. Weather Limitations
   1. Construct concrete surface course only when atmospheric temperature is above 40 degrees F, when the underlying base is dry, and when weather is not rainy.

PART 2 - MATERIALS

2.01 GENERAL

A. All concrete shall be Class B conforming to Section 90 of the Standard Specifications.
B. Cement: Portland Cement Type I, low alkali. Replace a portion of the scheduled amount of Portland Cement with pozzolans as specified.

C. Cementitious materials shall conform to the following ASTM specifications:
   3. Hydrated lime: Type 5, Specification C207, for hydrated lime for masonry purposes.
   4. Slag: ASTM C989, with the following requirements:
      a. Add slag to concrete at the maximum rate of 70 percent replacement by weight of the scheduled amount of cement.
      b. Modified ASTM requirements: Loss on Ignition (L.O.I.) maximum 1 percent; sulfur trioxide (SO3) not to exceed 3 percent by weight; Water Requirement maximum 100 percent of control.
   5. Fly Ash:
      a. Class F, originating from a base-loaded plant that burns only coal and conforms to the low Nox emissions of the Clean Air Act.
      b. Replace minimum 15 percent, maximum 25 percent, of total volume of cement with fly ash and meet the requirements of ASTM C-618.

D. Coarse aggregate shall comply with ASTM C33 for maximum ¾-inch size.

E. Aggregate Base shall be Class 2 per the Standard Specifications.

F. Glare Reducing Agents
   1. Lampblack in dry form, in accordance with the requirements of ASTM “Standard Specifications for Lampblack,” Designation D 209.
   2. Concrete paving shall receive lamp black to reduce glare.

G. Ingredients shall be proportioned to produce homogeneous concrete which will attain the required strength, durability, resistance to deterioration and abrasion, water tightness, appearance, and other specified properties.

H. Minimum compressive strength at 28 days shall be 2,500 psi.

I. Entrained air content shall be within a range of 4 to 7 percent.

J. Maximum slump shall be 3 inches.

2.02 FORMWORK

A. All formwork shall comply with the applicable portions of the Standard Specifications.
2.03 REINFORCEMENT

A. Reinforcement shall be Grade 60 deformed steel bars conforming to ASTM A615 or A617.

2.04 EXPANSION JOINT FILLER

A. Expansion joint filler shall be pre-molded joint filler of non-extruded and resilient, non-bituminous type conforming to ASHTO-M135.

2.05 CURING COMPOUND

A. Curing compound shall be Type 1, clear, or Type 2, white pigmented, conforming to ASTM C309.

2.06 CONCRETE SURFACE RETARDER

A. Water-based top-surface retarder for acid-etch finish, Top-Cast Grade No. 3, color code Light Violet, by W.R. Grace & Co., (877) 423-6491; or approved equal.

E. Color Additives: ASTM C979, synthetic or natural mineral-oxide pigments, temperature stable and nonfading.

1. Concrete Paving at picnic areas and fitness area: Davis Sandstone 5237, or approved equal.

2. Other Concrete Paving, and Concrete Band: Davis Omaha Tan 5064, or approved equal.

3. Concrete Curb (excluding City standard curb and curb-and-gutter), Concrete Seat Wall and Planter Seat Wall: Davis Flagstone Brown 641, or approved equal.

2.07 CONCRETE COLOR

A. Integral Concrete Color

1. Concrete Paving shall receive Davis Sandstone 5237, or approved equal.

2. Concrete Seat Wall, Concrete Play Area Wall, Concrete Wall, and Stepped Seating Terrace shall receive Davis Flagstone Brown 641, or approved equal.

B. Footings

1. Footings shall be held below the paving and shall not receive integral color.

PART 3 - EXECUTION
3.01 INSPECTION

A. Examine subgrade upon which concrete work is to be placed for improper grade, poor compaction, or other conditions which will adversely affect execution or quality of the work.

B. Do not place concrete until conditions are satisfactory.

3.02 PREPARATION

A. Forms

1. All forms shall be free from warp and substantial enough to maintain their shape and position without springing or settlement when the concrete is placed and mechanically vibrated. Forms shall be staked, braced and/or securely tied. Construct formwork so that concrete structures are of correct size, shape, alignment, elevation and position.

2. All forms or liner joints shall be tightly and evenly butted. The damaged edges of reused high-density overlay plywood form liners shall be reworked as required to maintain tight joints. Severely damaged liners will be rejected.

3. Joints in form liners at concrete surfaces shall be taped to prevent leakage.

4. Horizontal joints in liners of formwork for concrete are not permitted above finish grade.

5. To avoid marking or staining of concrete, or uneven curing effect, the forms shall be entirely removed in rapid sequence between expansion joints or other natural termination points.

6. Forms shall be thoroughly cleaned and wetted prior to placing concrete. Forms shall be complete for each pour, in correct alignment, shape and elevation, and shall be inspected and approved by the City’s Representative prior to placing concrete.

7. Form exposed corners and edges with radius as shown, using wood, metal, or rubber strips fabricated to produce uniform smooth lines and tight edge joints.

8. Form ties: factory-fabricated, adjustable-length, removable or snap-off metal form ties, designed to prevent form deflection and to prevent spalling concrete surfaces upon removal.

9. Provisions for other trades: Provide openings in concrete formwork to accommodate work of other trades. Determine size and location of openings, recesses and chases from trades providing such items. Accurately place and securely support items built into forms.

B. Placing Reinforcement
1. Comply with the specified codes and standards and Concrete Reinforcing Steel Institute's recommended practice for "Placing Reinforcing Bars," for details and methods of reinforcement placement and supports, and as herein specified.

2. Clean reinforcement of loose rust and mill scale, earth, ice and other materials which reduce or destroy bond with concrete.

3. Accurately position, support and secure reinforcement against displacement by formwork, construction, or concrete placement operations. Locate and support reinforcing by metal chairs, runners, bolsters, spacers and hangers, as required.

4. Place reinforcement to at least obtain the minimum coverage for concrete protection. Arrange, space, and securely tie bars and bar supports to hold reinforcement in position during concrete placement operations. Set wire ties so ends are directed into concrete, not toward exposed concrete surfaces.

5. Minimum reinforcing bar lap shall be 20 times diameter of the bar.

C. Joints

1. Construction joints: Locate and install construction joints which are not shown on the drawings so as not to impair the strength and appearance of the structure as acceptable to the City's Representative.
   a. Provide keyways at least 1 1/2 inches deep in all construction joints in walls, slabs, and between walls and footings. Accepted bulkheads designed for this purpose may be used for slabs.
   b. Place construction joints perpendicular to the main reinforcement. Continue all reinforcement across construction joints.

2. Expansion joints
   a. Expansion joints shall be constructed as indicated on drawings. Premolded joint filler strips shall be installed so as to leave a void having a depth equal to the width of the joint plus 1/8 inch for sealing compound. Accurately position and support filler strips against displacement.
   b. Steel dowels, rigidly bonded half their length into one side, piercing the premolded joint filler, and wrapped with tar paper for slippage in the other side shall be installed to ensure continuous vertical alignment.

3. Score joints to control cracking shall be as indicated on drawings.

D. Embedded Items

1. Set and build into the work anchorage devices and other embedded items required for the project.
3.03 CONCRETE PLACEMENT

A. General
   1. Place concrete in compliance with practices and recommendations of ACI 304 and as specified herein.

B. Placing Concrete in Forms
   1. Deposit concrete continuously or in layers of such thickness that no concrete will be placed on concrete which has hardened sufficiently to cause the formation of seams or planes of weakness within the section.
   2. If a section cannot be placed continuously, provide construction joints as herein specified.
   3. Deposit concrete as nearly as practicable to its final location to avoid segregation due to rehandling or flowing.

C. Consolidation and Vibration
   1. Consolidate placed concrete by mechanical vibrating equipment supplemented by hand-spading, rodding or tamping. Use equipment and procedures for consolidation of concrete in accordance with the recommended practices of ACI 309 to suit the type of concrete and project conditions.
   2. Do not use vibrators to transport concrete inside of forms. Insert and withdraw vibrators vertically at uniformly spaced locations not farther than the visible effectiveness of the machine.
   3. Place vibrators to rapidly penetrate the placed layer of concrete and at least 6 inches into the preceding layer. Do not insert vibrators into lower layers of concrete that have begun to set.
   4. At each insertion limit the duration of vibration to the time necessary to consolidate the concrete and complete embedment of reinforcement, and other embedded items without causing segregation of the mix.

3.04 FINISH OF FORMED SURFACES

A. Concrete Paving, Concrete Bands, and Concrete Bench Footing
   1. Medium broom finish, with uniform fine line texture, perpendicular to line of traffic.

B. Sand Area Concrete Wall and Seats
   1. Acid-Etch finish as approved.
2. Corners and edges shall be free of defects.

3.05 CONCRETE CURING

A. General

1. Protect freshly placed concrete from premature drying and excessive cold or hot temperature, and maintain without drying at a relatively constant temperature for a period of time necessary for hydration of cement and proper hardening.

B. Duration of Curing

1. The curing shall continue until the cumulative number of hours or fractions thereof during which temperature of the air in contact with the concrete is above 50 degrees F. has totaled at least 168 hours.

2. Rapid drying at the end of the curing period shall be prevented.

C. Curing Methods

1. Moisture curing: Execute moisture by covering surface with blankets of wetted burlap. Material shall be kept saturated and in place for at least 168 hours. Water shall be applied in form of spray to avoid damage to fresh concrete. Take precaution to prevent blankets from being displaced.

2. Liquid membrane curing: Liquid membrane curing compound shall be applied to cover surface completely and uniformly per manufacturer's instructions and at a rate which will achieve the performance requirement specified in AASHTO Specification M148, but at a rate not less than 1 gallon per 200 square feet. Apply membrane curing compound immediately behind final finishing operation. Failure to provide complete and uniform coverage at required rate will be cause for discontinuation of this method of curing and the substitution of moisture curing. Take special care to apply curing compound immediately after forms have been removed.

3. Curing formed surfaces: Cure formed concrete surfaces by moisture curing with forms in place for full curing period or until forms are removed. If forms are removed, continue curing by methods specified above, as applicable.

3.06 CONCRETE STAIN

A. Concrete Stain shall be installed per the manufacturer's instructions.

3.07 CONCRETE REPAIRS

A. Remove and replace concrete having defective surfaces if defects cannot be repaired to satisfaction of City's representative. Surface defects, as such, include color and texture irregularities, cracks, spalls, air bubbles, honeycomb, rock pockets, fins and
other projections on surface, and stains and other discolorations that cannot be removed by cleaning.

B. Repair and patch defective areas with cement mortar immediately after removal of forms, but only when acceptable to the City's Representative.

1. Cut out honeycomb, rock pockets, voids over 1/4 inch in any dimension, and holes left by tie rods and bolts down to solid concrete, but in no case to a depth of less than 1 inch. Make edges of cuts perpendicular to the concrete surface. Before placing cement mortar or proprietary patching compound, thoroughly clean, dampen with water, and brush-coat the area to be patched with neat cement grout, or proprietary bonding agent.

C. For exposed-to-view surfaces, blend white Portland cement and standard Portland cement so that, when dry, patching mortar will match surrounding color. Provide test areas at inconspicuous locations to verify mixture and color match before proceeding with patching. Compact mortar in place and strike off slightly higher than surrounding surface.

PART 4 - MEASUREMENT AND PAYMENT

4.01 SITE CONCRETE

A. The contract lump sum price paid for Site Concrete shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Site Concrete, including concrete paving, concrete band, concrete wall with concrete transfer station, complete in place, including aggregate base, formwork, joints, and reinforcing, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City's Representative.

4.02 CONCRETE FOOTINGS

A. Full compensation for concrete footings shall be considered as included in the contract price paid for the items involved, and no additional compensation will be allowed therefor.
PART ONE – GENERAL

1.01 SCOPE

A. The extent of work in this section includes the provision of materials and labor for the construction of all stabilized decomposed granite paving.

1.02 QUALITY CONTROL

A. Standards: Unless otherwise shown or specified, all materials and methods shall conform to the appropriate current sections of:

1. The State of California, Department of Transportation Standard Specifications (DTSS).
2. Applicable ASTM Specifications as they reasonably apply to this work.

B. Tolerances: Tolerances for subgrade, sub-base, and finish grade shall be as specified by DTSS except that Contractor shall deliver the full decomposed granite thickness shown. No combination of high and low tolerances that compromise the section will be permitted.

1.03 SUBMITTALS

A. Decomposed Granite: A one-quart sample with supplier and source clearly indicated of decomposed granite to be used shall be submitted to the Engineer for approval prior to delivery to the site.

B. Mixing Facilities: Method or supplier source for paving product shall be submitted to the Engineer with sufficient notice so inspection of batching and mixing operations can be made.

C. Reviews: Contractor shall stake and layout all paving areas for review by the Engineer prior to excavation.

D. Samples: The Contractor shall demonstrate to the satisfaction of the Engineer that he or his subcontractor possesses sufficient skills and experience to perform the work in all aspects required. A five-square-foot sample of decomposed granite paving shall be installed at the site for the Engineer’s review and approval. The Contractor shall meet or exceed that
quality of work in all subsequent work. Contractor shall be responsible for
the removal of the sample at the completion of work.

PART TWO - PRODUCTS

2.01 MATERIALS

A. Decomposed Granite: Decomposed granite, hereafter referred to as “DG”,
shall be a material with a 3/8” minus gradation, per the following
specifications:

<table>
<thead>
<tr>
<th>Sieve Size</th>
<th>Percent Passing</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>100%</td>
</tr>
<tr>
<td>No. 4</td>
<td>85% - 95%</td>
</tr>
<tr>
<td>No. 8</td>
<td>70% - 80%</td>
</tr>
<tr>
<td>No. 16</td>
<td>50% - 60%</td>
</tr>
<tr>
<td>No. 30</td>
<td>40% - 50%</td>
</tr>
<tr>
<td>No. 50</td>
<td>25% - 35%</td>
</tr>
<tr>
<td>No. 100</td>
<td>15% - 25%</td>
</tr>
<tr>
<td>No. 200</td>
<td>10% - 20%</td>
</tr>
</tbody>
</table>

The yellow-brown color, inherent to California Gold type DG is a
requirement for this material. DG shall be as available from Felton Quarry
or approved equal,

B. Stabilizer: Shall be as available from Stabilizer Solutions, Inc., 33 S. 28th
St., Phoenix AZ 85034, (800) 336-2468.

C. Soil Sterilent: Shall be a commercially available herbicide material such as
"Chipman-Chlorax 40", “Atrazine 80W”, “Treflan”, or approved equal, and
as recommended for this project by a State of California appropriately
licensed individual. The licensed individual shall review the type of
construction, soils, base, adjacent plantings, time and season of
application, and other project requirements; verify compatibility; and
recommend procedures for proper application. Contractor shall be
responsible for all overspray, spreading, or runoff of material into adjacent
areas. Products listed above are for Contractor's general reference only
as these products may not be suitable for all conditions at the site.

2.02 HEADERBOARD
PART THREE - EXECUTION

3.01 INSTALLATION

A. Mixes: The quantity of water added to the mixture shall be adjusted to the absolute minimum required to permit uniform mixing. The materials shall be mixed in a drum-type mixer on the job or at a central mixing plant. The Contractor shall provide the Engineer sufficient notice of his intent to begin mixing so that the Engineer can provide inspection of the batching and mixing operation.

B. Time Limits: Not more than 1-1/2 hours shall elapse between the time water is added to the decomposed granite and the time of completion of raking.

C. Placement: Immediately prior to placing the DG mixture, the subgrade shall be moistened. The mixture shall be deposited in such a manner as to minimize the necessity for spotting, picking up, or otherwise shifting the mixture. The mixture shall be leveled by raking and compacted by use of light roller. The mixture shall not be screeded off or finished by floating. No steel tooling of edges shall be done.

D. Finish: The finished surface of the walkway shall be kept moist for five days. Broom with a steel-bristle broom within 24 hours after placement to remove cement mortar film on the exposed surface and to fill cracks. Broom the surface daily for four (4) additional days, filling cracks each time.

E. Grades: The finish grades of the DG paving shall conform to the lines and grades on the drawings and allow for drainage. Edges of paving shall be flush with adjacent headers, concrete, or AC paving.

3.02 SOIL STERILENT

A. Shall be applied to the subgrade soil of areas to be paved prior to paving operations; uniformly applied per manufacturer’s recommendations; minimum rate of 2.5 to 3.0 lbs./1000 square feet and watered with a minimum of 3 gallons/100 square feet. Contractor shall take all precautions necessary to avoid spray onto or runoff into planting areas.
3.03 CLEAN-UP

A. Waste Removal: All waste incurred as a result of DG paving construction shall be removed from the site and disposed of legally. All excess DG shall be removed from planting area.

PART 4 - MEASUREMENT AND PAYMENT

4.01 CEMENT STABILIZED DG PAVING

A. The contract lump sum price paid for Cement Stabilized DG Paving shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Cement Stabilized DG Paving, including headerboard, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City's Representative.

END OF SECTION 32 15 40
SECTION 32 33 00 - SITE FURNISHINGS

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes:

1. Site Furniture: Furnish and install new bench, picnic tables, and bicycle racks.

1.02 REFERENCE STANDARDS

A. Standard Specifications: State of California, Department of Transportation (Caltrans), Standard Specifications (2010).

1.03 SUBMITTALS

B. Product Data: Submit manufacturer's product data for all manufactured items.

B. Touch-up Paint

1. Submit one quart touch-up paint in each color used in the work.

2. Submit manufacturer's formulation/ordering information for all non-standard colors for future use.

PART 2 - MATERIALS

2.01 BENCH

A. Bench shall be Dumor model No. 58 series, 8 feet long, surface mount, steel bench with black polyester powder coating finish. As available from Ross Recreation Equipment, Inc.

2.02 PICNIC TABLES

A. Picnic Table shall be Dumor model No. 75-80-D, 8 feet long, S-1 embedment mount, with kiln-dried douglas fir S4S slats, pre-finished with clear sealer, and steel supports with black polyester powder coating finish, or approved equal. Ross Recreation Equipment, Inc.

B. Accessible Picnic Table shall be Dumor model No. 75-68-1D, 8 feet long table top with 6 feet long seats, S-1 embedment mount, with kiln-dried douglas fir S4S slats, pre-finished with clear sealer, and steel supports with black polyester powder coating finish, or approved equal. Ross Recreation Equipment, Inc.

2.03 BICYCLE RACK

A. Bike racks shall be Bikeparking.com Welle Series Flat Top, in ground mount, model No. WSWF02-SQ-IG stainless steel, embedment mount, or approved equal.
2.04 AGGREGATE BASE

A. Aggregate Base shall be per Section 32 11 23.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Locate site furnishings as shown on drawings. Prior to commencing installation, stake layout and request a review by the City’s Representative to determine adjustments on-site from locations shown on drawings. Should minor changes and deviations from the locations established on the drawings be required by the City’s Representative, such changes shall be made by the Contractor at no additional cost to the City.

B. Install manufactured items per manufacturer’s instructions.

C. Set posts, uprights, and legs plumb, and horizontal surfaces level. Set seats and table tops level at the height recommended by the manufacturer.

D. Anchor site furniture firmly to pavement or concrete footings as indicated and specified.

E. Furnish all anchors, fastenings, and appurtenances required for complete installation of site furnishings.

F. Unless indicated or specified otherwise, anchors and fastenings shall be hot-dipped galvanized or stainless steel.

3.02 ADJUSTMENTS

A. Check all bolts, nuts, and other connections for proper fit and tightness.

B. Check components for proper alignment, fit and tolerances.

C. Check all components and finishes for damage. Replace damaged components. Repair damaged finishes as approved.

1. Galvanized Surfaces: Clean welds, bolted connections, and abraded areas and repair galvanizing as required to comply with ASTM A780.

PART 4 – MEASUREMENT AND PAYMENT

4.01 SITE FURNISHINGS

A. The contract lump sum price paid for Site Furnishings shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work
involved in Site Furnishings, complete in place, including concrete footings and hardware as required, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City’s Representative.

END OF SECTION 32 33 00
SECTION 02934 - PLANTING

PART ONE - GENERAL

1.01 SCOPE

A. Furnish and install all tree, staking, mulch, and related work thereto.

B. Coordinate and provide all services as required to contract grow plant material indicated in the drawings.

1.02 QUALITY CONTROL

A. Reviews: The Contractor shall specifically request the following reviews prior to progressing with the work:

1. Nursery Inspection: All plants shall be inspected at the nursery by the landscape architect or engineer prior to shipment. Provide 10 working day notice.

2. Plant material approval

3. Plant layout

4. Finish grade

5. Substantial completion

6. Final completion

1.03 SUBMITTALS

A. Plant Material: Within 5 days after award of contract, Contractor shall submit notice to the Landscape Architect certifying the quantity and species of plant material ordered, the nursery supplying the material, any plant material unavailable at the time, and proposed plant substitutions. No plants shall be delivered prior to written acceptance by the Landscape Architect.

PART TWO – PRODUCTS

2.01 PLANT MATERIALS
A. Nomenclature and Labels: Plant botanical names shall conform to “Standardized Plant Names”, by Harian P. Kelsey, second edition, Fife Press; and secondly, “A Checklist of Woody Ornamental Plants of California”, Manual 32, University of California. All plants of each clone, species, and cultivar shall be delivered to the site labeled with their full botanical names. Every plant species shall be labeled with no less than one label for every ten plants of a species.

B. Quality: Minimum quality of all plant material shall conform to prevailing published specifications of the California Association of Nurserymen and the American Association of Nurserymen ‘American Standard for Nursery Stock’ unless otherwise indicated. Additional specifications shall be indicated on the drawings.

C. Quantities: the quantities, if shown on the plant list and in labels, are for the Landscape Architect’s use and are not to be construed as the complete and accurate limits of the contract. Contractor shall furnish and install all plants shown schematically on the drawings. Any unlabelled plants shall be considered as the smaller size shown for that type on the drawings.

D. Root Systems: All container-grown stock shall be grown in its container for at least six months prior to its planting. Contractor shall allow one percent of the quantity of plants for removal and inspection. Any plant material, within one year following the final acceptance of the project, determined by the Landscape Architect to be defective, restricted, declining or otherwise deficient due to abnormal root growth, shall be replaced by Contractor, to the equal condition of adjacent plants, at the time of replacement.

E. Health: Foliage roots and stems of all plants shall be of vigorous health and normal habit of growth for its species. All plants shall be free of all diseases, insect stages, burns, or disfiguring characteristics.

F. Untrue Species: All plant material, within two years following the final acceptance of the project, determined by the Landscape Architect to be untrue to the species, clone, and/or variety specified, shall be replaced by the Contractor, to the equal condition of adjacent plants at the time of replacement.

2.03 MULCH

A. Mulch shall be wood chip mulch; wood waste from tree trimming, not containing eucalyptus; 100% recycled material, composted to reduce weed seeds, with no color additive; double-ground; the largest allowable pieces not larger than 2” in any direction. Arbor Mulch from Grab ‘n’ Grow Soil Products, Santa Rosa, CA, (707) 575-7275; or approved equal.

PART THREE – EXECUTION

3.01 GENERAL
A. Plant Material Approvals: Before planting operations commence, all or a representative sampling of plant material shall be reviewed at the site for the Landscape Architect’s approval. Defective plants installed without such review shall be removed from the site upon request by the Landscape Architect and an acceptable plant substituted in its place. The panels shall be free of damage or defects in order to produce an effective barrier between concrete construction and trees.

B. Layout: Only those plants to be planted in any single day shall be laid out. Locations of all plants shall be reviewed prior to planting. Plants installed without this review shall be transplanted as directed by the Landscape Architect.

C. Protection of Plants: Contractor shall maintain all plant material in a healthy growing condition prior to and during planting operations. Contractor shall be responsible for vandalism, theft, and damage to plant material until the commencement of the maintenance period.

D. Root Systems: Contractor shall be responsible for inspection of all root systems on plant materials. Inspection shall include, but not be limited to, checking for rootbound stock, encircling roots at the perimeter of the container, girdling roots at the top surface of the rootball, and other defective root conditions. Such inspections shall include the complete removal of soil from one percent of plant material containers, or at least one plant from each nursery and each plant type. Contractor shall cut defective or potentially defective girdling, rootbound, and encircling roots and spread the root system into the surrounding backfill. Plants with excessively defective root systems shall be rejected by the Contractor.

E. Pruning: Contractor shall do no pruning without the specific approval of the Landscape Architect. Plants pruned without approval shall be replaced by the Contractor, if required.

F. Basins: Construct basins as necessary to water plants. Remove basins from all plants under a permanent irrigation system prior to final inspection and finish grade the planting area. Basins for plants to be hand-watered shall remain in place. Basin bottoms shall drain to berm away from plant stem.

G. Staking: All trees shall be staked as drawn with stakes driven securely into existing soil aligned with the trunk and perpendicular to the direction of the prevailing winds. A minimum of two figure-eight wire and rubber tree ties required per stake.

H. Plant Pits, Backfill and Finish Grading: See Soil Preparation Section for materials and installation requirements.

I. Cleanup: After completion of all operations, Contractor shall remove all trash, excess soil and other debris. All walks and pavement shall be swept and washed clean, leaving the entire area in a neat, orderly condition.
K. Mulch Installation: Spread mulch to a uniform thickness. All planting areas shall receive a three-inch layer of mulch, except where mulch area is adjacent to header or pavement. Taper mulch depth smoothly within 1 foot of adjacent header or pavement as necessary to bring top of mulch flush with adjacent header or pavement. Rake mulch smooth. Keep mulch away from the crown of all trees and shrubs. Mulch shall be installed flush with finish surface of adjacent paving, band, or header.

PART 4 – MEASUREMENT AND PAYMENT

4.01 MULCH
A. The contract lump sum price paid for Mulch shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in Mulch, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City’s Representative.

4.02 TREE
A. The contract lump sum price paid for Tree shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in Tree, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City’s Representative.

4.03 SOD
A. The contract lump sum price paid for Sod shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in Sod, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City’s Representative.

END OF SECTION 32 90 00
SECTION 32 91 13 LANDSCAPE SOIL PREPARATION

PART 1 - GENERAL

1.01 SCOPE

A. Furnish and install all landscape soil preparation as shown and specified including, but not necessarily limited to, the following: organic amendment and fertilizer placement and incorporation, tree pit backfill, and finish grading.

1.02 QUALITY CONTROL

A. Reviews: Contractor shall specifically request at least two days in advance the following reviews prior to progressing with the work:

1. Completion of rough grading
2. Verification of amendment incorporation depths
3. Finish grade

B. Certification: Written certificates stating quantity, type, and composition, weight and origin for all amendments and chemicals shall be delivered to the Landscape Architect before the material is used on the site.

C. Planting Areas: All areas to be planted, whether in seed, sod, container stock, flats, or otherwise, are defined as planting areas in these documents.

PART 2 – PRODUCTS

2.01 MATERIALS

A. Native Topsoil: Shall be the existing surface layer of soil on site. This layer typically will be a different color and texture than the subsoil, and may be of varying thicknesses. The Contractor shall be responsible for reviewing the area limits and depths of native topsoil on site with the Landscape Architect.

B. Organic Amendment: Shall be BFI Super Humus Compost or approved equal, conforming to:

a. Gradation: A minimum of 90% of the material by weight shall pass a ¼” screen. Material passing the ¼” screen shall meet the following criteria.

<table>
<thead>
<tr>
<th>Percent Passing</th>
<th>Sieve Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>85-100</td>
<td>9.51 mm (3/8”)</td>
</tr>
<tr>
<td>50-80</td>
<td>2.38 mm (No. 8)</td>
</tr>
<tr>
<td>0-40</td>
<td>500 micron (No. 35)</td>
</tr>
</tbody>
</table>
b. Organic Content: Minimum 50% based on dry weight and determined by ash method. Minimum 250 lbs. organic matter per cubic yard of compost.

c. Carbon to Nitrogen Ratio: Maximum 35:1 if material is claimed to be nitrogen stabilized.

d. Soluble Salts: Soluble nutrients typically account for most of the salinity levels but sodium should account for less than 25% of the total. To avoid a leaching requirement, the addition of the compost shall result in a final ECe of the amended soil of less than 4.0 ds/m @ 25 degrees C. as determined in a saturation extract. Use the following table to determine the maximum allowable ECe (ds/m of saturation extract) of compost at desired use rate and allowable ECe increase.

e. Moisture Content: 35-60%.

f. Contaminants: The compost shall be free of contaminants such as glass, metal and visible plastic.

g. Maturity: Physical characteristics suggestive of maturity include:
   Color: dark brown to black
   Odor: acceptable = none, soil-like, musty or moldy
          unacceptable = sour, ammonia or putrid

h. Particle Characterization: identifiable wood pieces are acceptable but the balance of material should be soil-like without recognizable grass or leaves

PART 3 - EXECUTION

3.01 LIMITS AND GRADES

A. Prior to commencing soil preparation operations, Contractor shall request a review by the Landscape Architect to verify specified limits and grades of work completed to date and soil preparation work to commence. Contractor shall complete the rough grading as necessary to round the top and toe of all slopes, providing naturalized contouring to integrate newly graded areas with the natural topography. Finish grading under this section shall be completed in accordance with the grades indicated on the landscape drawings.

B. Soil shall not be worked when wet.

3.02 TOPSOIL PLACEMENT

A. After all planting areas have been excavated, they shall be ripped to a depth of 10 inches. Next, a three-inch layer of topsoil shall be uniformly distributed over these areas and thoroughly incorporated into the top six inches of subsoil by ripping, scraping, or tilling to mix the subsoil with the topsoil into a homogeneous mixture. The remaining
layer of topsoil shall then be uniformly distributed in the planting areas and compacted in place to 85% compaction. The total depth of topsoil to be placed shall be as indicated on the drawings.

3.03 ORGANIC AMENDMENT AND FERTILIZER INCORPORATION

A. Materials determined from the soils test shall be uniformly distributed throughout all irrigated planting areas and incorporated to a homogeneously blended soil depth of six inches. Assume per 1000 square feet:

- 6 cubic yards Nitrogen Stabilized Organic Amendment
- 30 pounds Commercial Fertilizer (6-20-20)
- 10 pounds Iron Sulfate

(Note: Iron sulfate should be applied cautiously, avoiding contact with concrete, since permanent staining may result. Any such stained concrete shall be replaced at Contractor’s expense.)

3.04 PLANT PITS

A. Plant pits shall have their sides and bottoms loosened or otherwise broken to prevent glazed or compacted surfaces, and shall be as shown on the planting detail.

3.05 BACKFILL

A. Only unamended soil shall be used beneath the root ball; cultivate bottom of plant pit to improve porosity.

B. Soil immediately below the root ball should be left undisturbed to provide support but the sides and the bottom around the side should be cultivated to improve porosity.

C. The top of the rootball should be slightly above final grade.

D. The top 12-inches of backfill around the sides of the rootball of trees and shrubs may consist of the above amended soil or may be prepared as follows:

- 1/3 by volume organic amendment/fertilizer mix per plant laboratory recommendations
- 2/3 by volume native or imported topsoil

E. Backfill below 12 inches required for 24-inch box or larger material should not contain the organic amendment.

3.06 PLANT TABLETS

A. All container plants shall receive plant tablets as follows:
One-gallon plants  two 21-gram tablets
Five-gallon plants  five 21-gram tablets
Fifteen-gallon plants  twelve 21-gram tablets
24 inch box trees  sixteen 21-gram tablets

Space the tablets evenly around the root ball halfway up backfill touching side of root ball. Landscape Architect may require excavation of plants selected at random for conformance review.

3.09 FINISH GRADING

A. Contractor shall finish grade all irrigated planting areas unless otherwise noted, and shall remove all rocks and clods over one cubic inch to a depth of 6 inches below finish grade. All areas shall be smooth and uniformly graded. All erosion damage during the construction period shall be repaired by the Contractor.

B. Unless otherwise noted, all soil finish grades shall be two inches below finish grade of walks, pavements, and curbs.

PART 4 - MEASUREMENT AND PAYMENT

4.01 The contract lump sum price paid for Landscape Soil Preparation shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in Site Preparation, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the City’s Representative.

END OF SECTION 32 91 13
SECTION 33 40 00 - SITE STORM DRAINAGE

PART ONE - GENERAL

1.01 SUMMARY

A. Section Includes: subsurface drainage lines, structures, and appurtenant work.

B. Subsurface drainage under engineered wood fiber surfacing is included in Section 11 68 13 Play Equipment and Surfacing.

1.02 REFERENCES

A. Reference Specifications: The work of this section shall comply with the requirements of the following:

AASHTO - American Association of State Highway and Transportation Officials
ASTM - American Society of Testing and Materials
DTSS – State of California Department of Transportation Standard Specifications

1.03 SUBMITTALS

A. Shop Drawings: Furnish shop drawings or catalog cuts of Junction Box, Sand Area Drain, and Storm Drain Pipes of every type for approval prior to fabrication.

PART TWO - MATERIALS

2.01 JUNCTION BOX

A. Junction Box shall be Model No. B09 Utility Box with etched polyethylene face and extensions as necessary.

B. Lid shall be model No. N09R concrete lid with plastic ring and No. N90 bolt down kit. Lid shall bear the label “DRAINAGE”. This label shall be factory-made.

C. Junction Box and Lid shall be as manufactured by Oldcastle Enclosure Solutions, Inc. (800) 735-5566, or approved equal.

2.02 SAND AREA DRAIN

A. Sand Area Drain shall be Model No. V09 Drain Box with etched polyethylene face and extensions as necessary.

B. Lid shall be model No. V09-71C cast iron lid. Lid shall weigh 30 pounds.
C. Drain Box and Lid shall be as manufactured by Oldcastle Enclosure Solutions, Inc. (800) 735-5566, or approved equal.

D. Filter fabric for wrapping Sand Area Drain lid shall be Mirafi 140N, non-woven filter fabric, or approved equal.

2.03 SOLID STORM DRAIN PIPE

A. Solid storm drain pipe shall be HPDE pipe, ADS 3000 Triplewall pipe with smooth interior and exterior, 3-inch diameter, white skin with black core, with bell-and-spigot joints, or approved equal.

B. Pipe shall be as manufactured by Advanced Drainage Systems, or approved equal.

2.04 PERFORATED STORM DRAIN PIPE

A. Perforated storm drain pipe shall be HPDE pipe, ADS 3000 Triplewall pipe with smooth interior and exterior, 3-inch diameter, white skin with black core, with bell-and-spigot joints, and perforations, or approved equal.

B. Pipe shall be as manufactured by Advanced Drainage Systems, or approved equal.

C. Perforations shall be two-row, at 120 degree placement (“Option 2” from ADS).

PART THREE - EXECUTION

3.01 INSPECTION

A. Before any work is started, the Contractor shall uncover the existing storm drain inlet to remain, in order to determine the actual invert elevation of the existing pipe entering the inlet. Contractor shall determine invert elevation and report back to the landscape architect before proceeding with drainage work.

B. Contractor shall flow existing drain inlet and notify the Owner’s representative of any questionable conditions.

C. If the actual location and invert elevation of the existing drain inlet is not as shown on the drawings, the Owner's representative shall be notified prior to beginning any storm drainage work.

3.02 PIPE HANDLING AND JOINTING
A. Handling of all pipe shall be done with care to ensure that the pipe is not damaged in any manner during storage, transit, loading, unloading, and installation.

B. Pipe shall be inspected both prior to and after installation in the trench and all defective lengths shall be rejected and immediately removed from the working area.

C. Each pipe elastomeric-gasket joint shall be installed in conformance with the manufacturer's printed recommendations. Elastomeric Gaskets shall be conform to ASTM D3212.

D. The ring and the ring seat inside the bell shall be wiped clean before the gasket is inserted. Lubricant other than that furnished with the pipe shall not be used. The end of the pipe shall be then forced into the ring to complete the joint.

E. The pipe shall not be deflected either vertically or horizontally in excess of the printed recommendations of the manufacturer.

F. When pipe laying is not in progress, the open ends of the pipe shall be closed to prevent trench water from entering pipe. Adequate backfill shall be deposited on pipe to prevent floating of pipe. Any pipe which has floated shall be removed from the trench, cleaned, and re-laid in an acceptable manner. No pipe shall be laid when, in the opinion of the City Engineer, the trench conditions or weather are unsuitable for such work.

PART 4 – MEASUREMENT AND PAYMENT

A. The contract lump sum price paid for Junction Box shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in installing Junction Box including excavation, backfill, covers, pipe outlets, pipe caps, fittings, couplings, connecting to pipes, complete in place, as shown on the plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the City Engineer.

B. The contract lump sum price paid for Sand Area Drain shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in installing Sand Area Drain inlet including excavation, compaction, backfill, grated cover, connecting to pipes, filter fabric cover wrap, complete in place, as shown on the plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the City Engineer.

C. The contract lump sum paid for Solid Drain Pipe shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in trenching, sheeting, shoring, excavating, and backfilling, surface restoration, the installation of pipe including, tees, wyes, elbows, fittings, couplings, complete in place, as shown on the plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the City Engineer.

D. The contract lump sum price paid for Perforated Pipe shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work
involved in trenching, sheeting, shoring, excavating, and backfilling, surface restoration, the installation of Perforated Pipe including, tees, wyes, elbows, fittings, couplings, complete in place, as shown on the plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the City Engineer.

END OF SECTION 33 44 00
Appendix A
City of Berkeley
Community Workforce Agreement
Table of Contents

Preamble
Purpose
Recitals
Article 1 Definitions
Article 2 Scope of Agreement
Article 3 Effect of Agreement/Subcontractors
Article 4 Work Stoppages, Sympathy Strikes and Lockouts
Article 5 Pre-Job Conference
Article 6 No Discrimination
Article 7 Union Security
Article 8 Referral and Local Hiring Program
Article 9 Helmets to Hardhats
Article 10 Grievance Procedure
Article 11 Joint Administrative Committee
Article 12 Grievance Arbitration Procedure
Article 13 Jurisdictional Disputes
Article 14 Apprentices
Article 15 Management Rights
Article 16 Wage/Benefits
Article 17 Modified Master Labor Agreements
Article 18 Drug and Alcohol Testing
Article 19 Savings Clause
Article 20 Entire Agreement
Article 21 Term
Signatures
Agreement to be Bound
COMMUNITY WORKFORCE AGREEMENT
For the
City of Berkeley

This Agreement is made and entered into this June 30, 2017 by and between the City of Berkeley (“City”) together with other contractors and/or sub-contractors, who shall become parties to this Agreement by signing the “Agreement to be Bound” (Attachment A), and the Local Unions signatory hereto and the Alameda County Building & Construction Trades Council (“Council”) and its affiliated local unions who have executed this Agreement.

PURPOSE

The purpose of this Agreement is to support the efforts of the City to increase employment opportunities for workers who reside in Berkeley, to help increase training and employment opportunities Berkeley residents in the construction trades through apprenticeship and pre-apprentice programs as the students graduate from the City's schools, to promote efficiency of construction operations performed for and within the City of Berkeley and to provide for peaceful settlement of labor disputes and grievances without strikes or lockouts, thereby promoting the public interest in assuring the timely and economical completion of the projects.

RECITALS

WHEREAS, the successful completion of the City's construction projects is of the utmost importance to the City of Berkeley; and

WHEREAS, the interests of the general public, the City, the Unions and Contractor(s) would be best served if the construction work proceeded in an orderly manner without disruption because of strikes, sympathy strikes, work stoppages, picketing, lockouts, slowdowns or other interferences with work; and

WHEREAS, the Contractor(s) and the Unions desire to mutually establish and stabilize wages, hours and calendar conditions for the workers employed on construction work for and within the City of Berkeley by the Contractor(s), and further, to encourage close cooperation among the Contractor(s) and the Union(s) to the end that a satisfactory, continuous and harmonious relationship will exist among the parties to this Agreement; and

WHEREAS, contracts for construction work within the City of Berkeley will be awarded in accordance with the applicable provisions of the Charter of the City of Berkeley, the California State Public Contract Code and the Labor Code, including but not limited to requiring competitive bidding and prevailing wages; and

WHEREAS, the City of Berkeley has the absolute right to select the lowest responsive and responsible bidder for the award of the construction contracts on the Projects; and
WHEREAS, the parties signatory to this Agreement pledge their full good faith and trust to work towards a mutually satisfactory completion of the Projects;

NOW, THEREFORE, IT IS AGREED BETWEEN AND AMONG THE PARTIES HERETO, AS FOLLOWS:

ARTICLE 1
DEFINITIONS

1.1 “Agreement” means this Community Workforce Agreement.

1.2 “Berkeley Resident” means any individual who is a current resident of Berkeley can certify through a utility bill, or other similar means acceptable to the parties to this Agreement, that the individual resides within the boundaries of the Berkeley City Limits.

1.3 “City” means the City of Berkeley.

1.4 “Completion” means that point at which the City accepts a project at issue by filing a Notice of Completion, or as otherwise provided by applicable state law. “Punch list” items and any other work within the scope of this Agreement not completed prior to commencement of revenue service shall nonetheless be included within the scope of this Agreement. It is understood by the parties that portions of the Projects may be completed in phases and Completion of any such phase may occur prior to Completion of the Projects.

1.5 “Contractor(s)” and/or “Subcontractor(s)” means any individual, firm, partnership or corporation, or combination thereof, including joint ventures, which is an independent business enterprise and has entered into a contract with the City or any of its contractors or subcontractors of any tier, with respect to the construction work necessary for any part of the Projects. This shall include subcontractors not required to be listed in the bid documents. As applicable depending on its context, “Contractor” shall refer to Contractor or Contractor and Subcontractor.

1.6 “Construction Contract(s)” means all of the contract(s) for construction of any of the Projects.

1.7 “Council” means the Alameda County Building and Construction Trades Council, AFL-CIO.

1.8 “New Apprentice” is a Berkeley Resident who is enrolled in a State of California approved apprenticeship program that is a joint labor management apprentice program for no more than twenty-four months.
1.11 “Projects” mean any construction project of the City whose value as estimated by the City meets or exceeds $500,000 (Five hundred thousand) dollars.

1.12 “Union” or “Unions” means the Council and any other labor organization signatory to this Agreement, acting on their own behalf and on behalf of their respective affiliates and member organizations whose names are subscribed hereto and who have through their officers executed this Agreement.

1.13 “Project Manager” means the person or persons or business entity designated by the City to oversee all phases of construction on the Projects.

1.14 “Master Labor Agreement” or “MLA” shall mean the collective bargaining agreement of each craft Union that is Signatory to this Agreement.

1.15 “Calendar Day” shall mean any day, relating to any day of the week including Saturday, Sunday and public holidays.

1.16 “Apprenticeship Program” - Recognizing the need to develop adequate numbers of competent workers in the construction industry, the Contractor(s)/Employer(s) shall employ apprentices of a California State-approved Joint Apprenticeship Program in the respective crafts to perform such work as is within their capabilities and which is customarily performed by the craft in which they are indentured.

The apprentice ratios will be in compliance with the applicable provisions of the applicable “Master Labor Agreement”.

ARTICLE 2
SCOPE OF AGREEMENT

2.1 Parties: This Agreement shall apply and is limited to all Contractors and subcontractors performing Construction Contracts necessary for the Projects, the City, the Council and any other labor organization signatory to this Agreement, acting in their own behalf and behalf of their respective affiliates and member organizations whose names are subscribed hereto and who have through their officers executed this Agreement.

2.2 Project Description: This Agreement shall govern the award of all of the Construction Contracts identified by the City as part of the Projects. The City has the absolute right to combine, change, consolidate, suspend or cancel Construction Contract(s) or portions of Construction Contract(s) identified as part of the Projects. Should the City suspend or remove any contract from the Projects and thereafter authorize that construction work be commenced on such contract, then such contract shall be performed under the terms of this Agreement. Once a Construction Contract is completed it is no longer covered by this Agreement except when a Contractor is directed to engage in repairs, warranty work or modifications required by its Construction Contract with the City. For the purposes of this
2.3 Covered work:

2.3.1 This Agreement covers, without limitation, all on-site construction, demolition, alteration, painting or repair of buildings, structures, landscaping, temporary fencing and other works and related activities for the Projects that is within the craft jurisdiction of one of the Unions and that is part of the Projects, including, without limitation, pipelines, site preparation, survey work, demolition of existing structures and all construction, demolition or improvements required to be performed as a condition of approval by any public agency. This scope of work includes all soils and materials testing and inspection where such testing and inspection is a classification in which a prevailing wage determination has been published.

2.3.2 The Projects include work necessary for the Projects and/or in temporary yards or areas adjacent to and dedicated to the Projects, and at any on-site batch plant(s) constructed solely to supply materials to the Projects, when those sites are dedicated exclusively to the Projects. This Agreement covers all on-site fabrication work over which the City, Contractor(s) or subcontractor(s) possess the right of control (including work done for the Projects in any temporary yard or area established for the Projects.) This Agreement also covers all off-site fabrication work traditionally performed by the Unions that is part of the Projects, provided such off-site fabrication work is covered by a provision of a current Schedule A Agreement or local addenda to a National Agreement of the applicable Union(s) that is in effect as of the execution date of this Agreement.

2.3.3 The furnishing of supplies, equipment or materials which are stockpiled for later use shall in no case be considered subcontracting. Construction trucking work, such as the delivery of ready-mix, asphalt, aggregate, sand or other fill material which are directly incorporated into the construction process as well as the off-hauling of debris and excess fill material and/or mud, shall be covered by the terms and conditions of this Agreement, to the fullest extent provided by law and by prevailing wage determinations of the California Department of Industrial Relations. Employers, including brokers, of persons providing construction trucking work shall provide certified payroll records to the City within ten (10) calendar days of written request or as required by bid specifications.

2.4 Exclusions: The following shall be excluded from the scope of this Agreement:

2.4.1 This Agreement is not intended to, and shall not affect or govern the award of public works contracts by the City which are outside the identified scope of work of the Projects.

2.4.2 This Agreement is not intended to, and shall not affect the current or anticipated operation, maintenance, access or use of any of the City's buildings or facilities, whether or not such facilities are identified in Section 1.7 above.

2.4.3 This Agreement shall not apply to a Contractor or subcontractor's executives, managerial employees, engineering employees, design employees, supervisors (except
those covered by existing building and construction trades collective bargaining agreements), office and clerical employees.

2.4.4 This Agreement shall not apply to any work performed on or near or leading to the site of work covered by this Agreement that is undertaken by state, county or other governmental bodies or their contractors; or by public or private utilities or their contractors; or by the City or its contractors for work not part of the scope of the Projects. Parties performing work shall notify in writing, The Council and The District of any work being performed near or leading to the site work that is not covered by this agreement. Further, this Agreement shall not be construed to prohibit or restrict the City or its employees from performing work on or around the Project construction sites or from entering the sites for any purposes deemed necessary or appropriate by the City.

2.4.5 This Agreement shall not apply to the off-site maintenance of leased equipment or the on-site supervision of such work.

2.4.6 This Agreement shall not apply to any start-up, calibration, performance testing, repair, maintenance, operational revisions to systems and/or subsystems performed after Completion.

2.5 Termination, Suspension and/or Delay of Work: It is understood and agreed that the City, at its sole option, may change, terminate, delay and/or suspend any and all portions of the covered work at any time. Further, the City may prohibit some or all work on certain days or during certain hours of the day to comply with applicable codes, laws or regulations, permits or to accommodate the ongoing operations of the City’s facilities and/or to mitigate the effect of the ongoing Projects’ work on the businesses and residents in the neighborhood of the Project sites; and/or require such other operational or schedule changes that it may be deemed necessary, in its sole judgment, to effectively maintain the primary purpose of the City’s facilities and to remain a good neighbor to the residents and businesses in the area of any Projects. In order to permit the Contractors and Unions to make appropriate scheduling plans, the City will provide the affected Contractor and Union(s) with reasonable notice of any changes it requires pursuant to this Section.

2.6 Work covered by this Agreement within the following craft jurisdictions shall be performed under the terms of their National Agreements as follows: the NTL Articles of Agreement, the National Stack/Chimney Agreement, the National Cooling Tower Agreement, and the National Agreement of Elevator Constructors, and any instrument calibration work and loop checking shall be performed under the terms of the UA/IBEW Joint National Agreement for Instrument and Control Technicians, with the exception that Articles 4, 8, 12 and 13 of this Agreement shall apply to such work.
ARTICLE 3
EFFECT OF AGREEMENT/SUBCONTRACTORS

3.1 By executing this Agreement, the Unions and the City agree to be bound by each and every provision of this Agreement.

3.2 By accepting the award of a Construction Contract for the Projects, whether as contractor or subcontractor at any tier, the Contractor/Subcontractor agrees to be bound by each and every provision of this Agreement.

3.3 This Agreement shall only be binding on the signatory parties hereto and shall not apply to the parents, affiliates, subsidiaries, or other ventures of any other party.

3.4 It is understood that this Agreement, together with the referenced MLA, constitute an integrated, self-contained, stand-alone agreement, and that by virtue of having become bound to this Agreement, the Contractor will not be obligated to sign any other local, area, or national agreement as a condition of performing work within the scope of this Agreement. In addition, it is understood and agreed that all grievances and disputes involving the interpretation or application of this Agreement, including the MLA, shall be resolved according to the procedures set forth in Article 12 of this Agreement; provided, however, that should a dispute involve a single MLA and a Contractor signatory thereto, and not involve interpretation or application of this Agreement, then such dispute shall be processed and resolved pursuant to the grievance provisions of that MLA. Should there be a dispute in the first instance as to whether the provisions of Article 12 of this Agreement or the grievance procedures of a MLA apply, the dispute shall be presented initially to arbitrator Judge William Cahill or, if unavailable, arbitrator Earnest Brown, for resolution as to the applicable procedure. Such referral of a dispute as to the applicable procedures shall be done by an immediate conference call among the parties and the arbitrator, and heard and decided within three (3) calendar days. Should the arbitrator hold that Article 12 applies, the parties may, by mutual agreement, submit the issue to the same arbitrator pursuant to the provisions of Article 12, or, absent mutual agreement, commence processing the dispute at Step 1 of that Article.

3.5 Subcontractors. At the time that any Contractor enters into a subcontract with any subcontractor of any tier for the performance of construction or construction trucking work within the scope of this Agreement, the Contractor shall provide a copy of this Agreement, as it may from time to time be modified by the negotiating parties, to said subcontractor and shall require the subcontractor as a part of accepting an award of a construction subcontract to agree to be bound by each and every provision of the Agreement prior to the commencement of work.

3.5.1 Each Contractor and Subcontractor shall evidence their agreement to be bound to this Agreement by executing the Agreement To Be Bound form attached hereto as Appendix A. A copy of the Agreement To Be Bound executed by the Contractors and Subcontractors shall be submitted to the Union(s) prior to both the commencement of work and the Pre-Job Conference and will be a required submittal within the City's bid packages. If the Contractor or Subcontractor refuses to execute the Agreement To Be Bound form, the City may require the Contractor or Subcontractor to provide additional information, including but not limited to a letter from the Contractor or Subcontractor stating the reasons for their refusal to execute the Agreement To Be Bound form. If the City determines that the Contractor or Subcontractor is not in compliance with this Agreement, the City may take any action necessary to ensure compliance with this Agreement, including but not limited to awarding the construction contract to another contractor who is in compliance with this Agreement.
Bound, then such Contractor or Subcontractor shall not be awarded a Construction Contract to perform work on the Projects. A Contractor or Subcontractor who executes the Agreement to Be Bound shall be considered a signatory party to this Agreement.

3.6 It is understood that the liability of each Contractor and Subcontractor and the liability of each Union under this Agreement shall be several and not joint. The Unions agree that this Agreement does not have the effect of creating any joint employment status between or among the City and/or any Contractor or Subcontractor.

3.7 With regard to any Contractor or subcontractor that is independently signed to any MLA, this Agreement shall in no way supersede or prevent the enforcement of any subcontracting clause contained in such MLA, except as specifically set forth in section 3.7.1 of this Agreement. Any such subcontracting clause in a MLA shall remain and be fully enforceable between each craft union and its signatory employers and no provision of this Agreement shall be interpreted and/or applied in any manner that would give this Agreement precedence over subcontracting obligations and restrictions that exist between craft Unions and their respective signatory employers under a MLA, except as specifically set forth in section 3.7.1 in this Agreement. To the extent that the provisions of this Agreement are inconsistent with any other provisions contained in a MLA, the provisions of this Agreement shall prevail.

3.7.1 If a craft Union (“Aggrieved Union”) believes that an assignment of work on this Project has been made improperly by a Contractor or subcontractor, even if that assignment was as a result of another craft Union’s successful enforcement of the subcontracting clause in its MLA, as permitted by section 3.7 of this Agreement, the Aggrieved Union may submit a claim under the jurisdictional dispute resolution procedure contained in Article 13 of this Agreement and the decision rendered as part of that process shall be enforceable to require the Contractor or subcontractor that made the work assignment to assign that work prospectively to the Aggrieved Union. An award made to a craft Union under the subcontracting clause of its MLA, as permitted under section 3.7 of this Agreement, shall be valid and fully enforceable by that craft Union unless it conflicts with a jurisdictional award made pursuant to Article 12 of this Agreement. If the award made under MLA conflicts with the jurisdictional award, the award of any damages under the former shall be null and void ab initio.

ARTICLE 4
WORK STOPPAGES, STRIKES, SYMPATHY STRIKES, JURISDICTIONAL DISPUTES AND LOCKOUTS

4.1 The Unions, City and Contractor agree that for the duration of the Projects:

4.1.1 There shall be no strikes, sympathy strikes, work stoppages, picketing, hand-billing or otherwise advising the public that a labor dispute exists, or slowdowns of any kind, for any reason, by the Unions or construction persons employed on the Projects, at a job site of the Projects or at any other facility of the City because of a dispute on the Projects. Nor shall the Unions or construction persons employed on the Projects participate in any strikes, sympathy strikes, work stoppages, picketing, hand billing, slowdowns, or
otherwise advising the public that a labor dispute exists at a Project jobsite because of a
dispute between Unions and Contractor(s) on any other project.

4.1.2 As to construction persons employed on the Projects, there shall be no lockout of
any kind by a Contractor covered by this Agreement. It shall not be a violation of this
Article if a Contractor or Subcontractor (1) suspends or terminates a portion of the Project
work or (2) discharges an employee for just cause.

4.1.3 If a MLA between a Contractor and the Union expires before the Contractor
completes the performance of a Construction Contract and the Union or Contractor gives
notice of demand for a new or modified MLA, the Union agrees that it will not strike, picket,
hand-bill, slowdown or engage in any other disruptive activity against the Contractor and
the Contractor will not lockout construction persons of the Union on said Construction
Contract for work covered under this Agreement and the Union and the Contractor agree
that the expired MLA shall continue in full force and effect for work covered under this
Agreement until a new or modified MLA is reached between the Union and Contractor. If
the new or modified MLA reached between the Union and Contractor provides that any
terms of the new MLA shall be retroactive, the Contractor agrees to comply with any
retroactive terms of the new or modified MLA which are applicable to construction persons
employed on the Projects within seven (7) calendar days.

4.1.4 In the case of nonpayment of trust fund contributions on the Projects, the Union
shall give the City and the Contractor 5 business days’ notice of the intent to withhold
labor from the Contractor’s or their subcontractor’s workforce, during which time the
Contractor shall have the opportunity to correct the default. In this instance, a Union’s
withholding of labor (but not picketing) from a Contractor who has failed to pay it’s fringe
benefit contributions shall not be considered a violation of this Article.”

4.2 A party to this Agreement shall institute the following procedure, prior to invoking any
other action at law or equity when a breach of this Article 4 is alleged to have occurred:

4.2.1 A party invoking this procedure shall notify, by the most expeditious means
available, with notice by facsimile, electronic mail or telephone to the City, to the party
alleged to be in violation, to the Council and to the involved local Union if a Union is
alleged to be in violation.

4.2.2 Upon receipt of said notice, the City will contact the designated permanent
arbitrator, Judge William Cahill, or if unavailable, his alternate Ernest Brown, who shall
attempt to convene a hearing within twenty-four (24) hours if it is contended that the
violation still exists.

4.2.3 The Arbitrator shall notify the parties by facsimile, electronic mail or telephone of
the place and time for the hearing. Said hearing shall be completed in one session, which,
with appropriate recesses at the arbitrator’s discretion, shall not exceed twenty-four (24)
hours unless otherwise agreed upon by all parties. A failure of any party to attend said
hearings shall not delay the hearing of evidence or the issuance of any award by the arbitrator.

4.2.4 The sole issue at the hearing shall be whether or not a violation of Article 4, Section 4.1 of this Agreement has occurred. The arbitrator shall have no authority to consider any matter of justification, explanation or mitigation of such violation or to award damages, which issue is reserved for court proceedings, if any. The award shall be issued in writing within three (3) hours after the close of the hearing, and may be issued without a written opinion. If any party desires a written opinion, one shall be issued within fifteen (15) calendar days, but its issuance shall not delay compliance with or enforcement of the award. The arbitrator may order cessation of the violation of this Article 4 and other appropriate relief and such award shall be served on all parties by hand or registered mail upon issuance.

4.2.5 Such award may be enforced by any Court of competent jurisdiction upon the filing of this Agreement and all other relevant documents referred to above in the following manner. Written notice of the filing of such enforcement proceedings shall be given to the other party. In the proceeding to obtain a temporary order enforcing the arbitrator’s award as issued under Section 4.2.4 of this Article 4, all parties waive the right to a hearing and agree that such proceedings may be ex parte. Such agreement does not waive any party’s right to participate in a hearing for a final order or enforcement. The Court’s order or orders enforcing the arbitrator’s award shall be served on all parties by hand or delivered by certified mail.

4.2.6 Any rights created by statute or law governing arbitration proceedings inconsistent with the above procedure or which interfere with compliance are waived by the parties.

4.2.7 The fees and expenses of the arbitrator shall be divided equally between the party instituting the arbitration proceedings provided in this Article and the party alleged to be in breach of its obligations under this article.

4.3 Liquidated Damages. If the arbitrator determines that a violation of Section 4.1 has occurred, the breaching party shall, within eight (8) hours of the issuance of the decision take all steps necessary to immediately cease such activities and return to work. If the breaching party involved does not cease such activities by the beginning of the next regularly scheduled shift following the expiration of the eight (8) hour period after the arbitrator’s issuance of the decision, then the breaching party shall pay the sum of ten thousand dollars ($10,000) as liquidated damages to the City per shift until the breach is remedied. The arbitrator shall retain jurisdiction for the sole purpose of determining compliance with this obligation and determining the amount of liquidated damages, if any; but such retention shall not prevent the moving party from seeking judicial enforcement of the initial decision.

ARTICLE 5
PRE-JOB CONFERENCE
5.1 A mandatory pre-job conference shall be held prior to the commencement of each Construction Contract. Such conference shall be attended by a representative each from the participating Contractor(s) and Union(s) and the Project Manager. All efforts will be made to hold the pre-job conference in sufficient time to ensure all parties the ability to properly raise and resolve any issue that may arise out of such meeting, with a goal that such conferences will be held at least 21 work days before the work commences.

ARTICLE 6
NO DISCRIMINATION

6.1 The Contractors and Unions agree not to engage in any form of discrimination on the ground of or because of race, color, creed, national origin, ancestry, age, religious or political affiliation, gender, sexual orientation or disability against any person, or applicant for employment on the Projects.

ARTICLE 7
UNION SECURITY

7.1 The Contractors recognize the Union(s) as the sole bargaining representative of all construction persons working within the scope of this Agreement.

7.2 All construction persons who are employed by the Contractor(s) shall, as a condition of employment, on or before the eighth (8th) day of consecutive or cumulative employment on the Projects, be responsible for the payment of the applicable monthly working dues and any associated fees uniformly required for union membership in the applicable local union which is signatory to this Agreement. Further, there is nothing in this Agreement that would prevent non-union construction persons from joining the local union.

ARTICLE 8
REFERRAL AND LOCAL HIRE PROGRAM

8.1 Referral

8.1.1 Contractor(s) performing construction work on the Projects described in the Agreement shall, in filling craft job requirements, utilize and be bound by the registration facilities and referral systems established or authorized by the Unions signatory hereto ("Job Referral System"). Such Job Referral System will be operated in a non-discriminatory manner and in full compliance with all federal, state, and local laws and regulations, including those which require equal employment opportunities and nondiscrimination.

8.1.2 The Contractor(s) shall have the right to reject any applicant referred by the Union(s), in accordance with the applicable Master Agreement.
8.1.3 The Contractor(s) shall have the unqualified right to select and hire directly all supervisors above general foreman it considers necessary and desirable, without such persons being referred by the Unions(s).

8.1.4 In the event that referral facilities maintained by the Union(s) are unable to fill the requisition of a Contractor(s) for employees within a seventy-two (72) hour period after such requisition is made by the Contractor(s), the Contractor(s) shall be free to obtain employees from any source. Contractor(s) shall promptly notify the Union(s) of any applicants hired from other sources. This provision does NOT affect core employees as defined below.

8.1.5 Unions shall exert their utmost efforts to recruit sufficient numbers of skilled craft persons to fulfill the requirements of the Contractor(s).

8.1.6 Core Employees

All parties agree to make a good faith effort to refer on a priority basis, consistent with the non-discriminatory referral procedures of the hall, qualified and available, and bona-fide Berkeley Residents for Project work.

8.1.7 The parties also recognize and support the City's commitment to provide opportunities for participation on the Projects to Berkeley Residents who are regular, experienced employees (“Core” employees) of contractors and subcontractors awarded work on the Projects and who do not traditionally work under a local collective bargaining agreement(s). In furtherance of this commitment, the parties agree that such contractors and subcontractors awarded work on the Projects may request by name, and the local will honor, referral of persons who have applied to the local union for Project work and who demonstrate the following qualifications:

(1) Possess any license required by state or federal law for the Project work to be performed;

(2) Have worked a total of at least one thousand (1,000) hours in the construction craft during the prior three (3) years;

(3) Were on the Contractor's active payroll for at least sixty (60) out of the one hundred and eighty (180) calendar days prior to the contract award;

(4) Have the ability to perform safely the basic functions of the applicable trade, and

(5) Are Berkeley residents.

The Union will refer to such Contractor one journeyman employee from the hiring hall out-of-work list for the affected trade or craft, and will then refer one of such Contractor's “core” employees as a journeyman and shall repeat the process, one and one, until such Contractor's crew requirements are met or until such Contractor has hired five (5) “core”
employees, whichever occurs first. Thereafter, all additional employees in the affected trade or craft shall be hired exclusively from the hiring hall out-of-work list(s). For the duration of the Contractor’s work the ratio shall be maintained and when the Contractor’s workforce is reduced, employees shall be reduced in the same ratio of core employees to hiring hall referrals as was applied in the initial hiring.

8.1.8 The Contractor shall notify the appropriate Union of the name and social security number of each direct hire and each direct hire shall register with the Union’s hiring hall before commencing Project work. If there is any question regarding an employee’s eligibility under this Subsection 8.2.1, the City Representative, at a Union’s request, shall obtain satisfactory proof of such from the Contractor.

8.2 Local Hire

8.2.1 To the extent allowed by law and consistent with the non-discriminatory referral procedures of the Union hiring halls, the Parties agree to a goal that Berkeley Residents will perform a minimum of 20% of the hours worked, on a craft by craft basis for the Projects. The Contractor(s) shall make good faith efforts to reach this goal through the utilization of the Unions’ hiring hall procedures. The Unions shall exercise their best efforts in their recruiting and training of Berkeley Resident workers and in their hiring hall procedures to facilitate this 20% goal on the Projects. In the event that referral facilities maintained by the Union(s) are unable to fulfill the 20% local hire requirement, paragraph 8.2.2 of this Article shall not apply. Contractors shall document all efforts to hire locally and provide such documents to the City of Berkeley. The Council will provide an annual census of Berkeley residents, in each of the crafts party to this agreement, to the City of Berkeley. This report will be provided by August 1 of each year of this agreement.

8.2.2 Should any of the contractors performing work on the Projects fail to meet this 20% goal and fail to demonstrate efforts to do so, through a specific submittal process to be included in their contractual requirements and enforced by the grievance procedure. The contract's 10% retention will be held until such time that this failure is remedied, but not longer than sixty (60) calendar days after the date of substantial completion of the Projects or as required by law, in addition to the breach of contract remedies available to the parties for non-performance under this Agreement.

8.2.3 Apprenticeship & Workforce Development

A) Consistent with the requirements of California Labor Code §§ 1776, 1777.5 and 1777.6, Contractor(s) will be required to hire 1 New Apprentice Berkeley resident as for every $500,000 dollars or more of total construction bid amount. The New Apprentice(s) must work a minimum of 10% of the projects work hours. The contractor may deploy the apprentice to work on another concurrent project in order to meet the minimum hours, and those hours will be counted towards the total hours of the craft on the Berkeley project. Certified Payroll must reflect the hours worked.

Contractor must fully document efforts to hire a New Apprentice, through the following steps: 1) requesting New Apprentices through the Union dispatch procedure, 2)
contacting a minimum of three MC3-approved pre-apprenticeship training programs for referral of Berkeley residents. Unions shall provide written documentation to the contractor in response to dispatch requests to fulfill the New Apprentice requirement, the next tier of residents will come from the Green Corridor.

B) There can be no more than 1 entry-level New Apprentices for each craft, provided said crafts have apprenticeship openings and the general contractor will be able to include New Apprentices hired by their subcontractor to meet this requirement. Unions will agree to cooperate with Contractor(s) in furnishing apprentices as requested and the hiring of the apprentices will be in accordance to the Apprenticeship provisions listed in the Master Agreements and or the union agreements with the division of apprenticeship standards, and the apprentices shall be properly supervised and paid in accordance with provisions contained within the MLA’S. The Unions and Contractors will agree to cooperate with local pre-apprenticeship programs to ensure Berkeley residents have the opportunity to apply for and enter the apprenticeship programs.

C) The intent of this provision is to utilize Berkeley Resident New Apprentices to the fullest extent permissible by state law and the MLA. Failure of Contractor(s) and their subcontractors to maintain qualified apprentices on the job will be subject to further penalties as determined by the Grievance Committee as identified in Article 12.

8.11 Enforcement, Compliance & Reporting.

Contractors will be required to submit Certified Weekly Payrolls to the City along with monthly workforce utilization reports documenting the Contractor's compliance with the requirements described in this article. At a minimum the monthly reports must include 1) data on Berkeley Resident's work hour utilization on a craft by craft basis, 2) number of New Apprentices hired and the hours they have worked, 3) documentation showing any requests made to the union dispatchers for Berkeley Residents and the Union’s response to the request. Enforcement of this article shall be according to the Grievance and Arbitration procedure outlined in Article 12.

ARTICLE 9
HELMETS TO HARDHATS

9.1 The parties recognize a desire to facilitate the entry into the Building and Construction Trade Union(s) of Veterans who are interested in careers in the building and construction industry. The parties agree to utilize the services of the Center for Military Recruitment, Assessment and Veteran’s Employment (“Center”) and the Center’s “Helms to Hardhats” program to serve as a resource for preliminary orientation, assessment of construction aptitude, referral to apprenticeship programs or hiring halls, counseling and mentoring, support network, employment opportunities and other needs as identified by the parties.

9.2 The Union(s) and Contractor(s) agree to coordinate with the Center to participate in an integrated database of Veterans interested in working on this Project and of
apprenticeship and employment opportunities for this Project. To the extent permitted by
law, the Union(s) will give credit to such Veterans for bona fide, provable past experience.

**ARTICLE 10**

**GRIEVANCE PROCEDURE**

10.1 Any Contractor which is not otherwise bound through an agreement with a Union to a grievance procedure which confers jurisdiction to consider and resolve disputes over the imposition of discipline or dismissal of its construction persons working on this Project shall be bound to the arbitration procedure contained in the MLA of the craft representing the employee(s) involved in the dispute. For the purposes of this Article, such grievance procedure shall be limited to disputes regarding the imposition of discipline or dismissal arising from work covered by the Agreement. Such Contractor shall not impose discipline or dismissal on its construction persons covered by this Agreement without just cause.

**ARTICLE 11**

**JOINT ADMINISTRATIVE COMMITTEE**

11.1 The parties to this Agreement shall establish a five (5) person Joint Administrative Committee comprised of at least one and up to two (2) representatives representing the City; two (2) representatives of the signatory Unions and The Council; and one industry representative, mutually selected by the City and The Council. Each representative shall designate an alternate who shall serve in his or her absence for any purpose contemplated by this Agreement.

11.2 The Joint Administrative Committee shall meet at the request of either party, but not less than once each quarter, to review the implementation of the Agreement and the progress of the Projects including, but not limited to, compliance with Article 8, prevailing wage, safety, Workforce development and Industry trends. Requests for certified payroll made by a Joint Labor/Management Committee to which the Union(s) signatory to this Agreement are a party shall be provided as allowed by law.

**ARTICLE 12**

**GRIEVANCE ARBITRATION PROCEDURE**

12.1 The parties understand and agree that in the event any dispute arises out of the meaning, interpretation or application of the provisions of this Agreement, the same shall be settled by means of the procedures set out herein. No grievance shall be recognized unless the grieving party provides notice in writing to the signatory party with whom it has a dispute within seven (7) calendar days after becoming aware of the dispute, but in no event more than thirty (30) calendar days after it reasonably should have become aware of the event giving to the dispute. The time limits in this Article 12 may be extended by mutual written agreement of the parties.

12.2 Grievances shall be settled according to the following procedures:
**Step 1:** Within seven (7) calendar days after the receipt of the written notice of grievance, the Business Representative of the involved Local Union, the City's authorized representative, representative of the construction person, and the representative of the involved Contractor shall confer and attempt to resolve the grievance.

**Step 2:** In the event that the representatives are unable to resolve the dispute within seven (7) calendar days after its referral to Step 1, either involved party may submit it within three (3) calendar days to Grievance Committee. The Grievance Committee shall consist of one (1) person selected by the City and one (1) person selected by the Council, which shall meet within seven (7) calendar days after such referral (or such longer time as mutually agreed upon by all representatives of the subcommittee), to confer in an attempt to resolve the grievance. The decision of the Grievance Committee shall be legal, final and binding. If the dispute is not resolved within such time seven (7) calendar days after its referral or such longer time as mutually agreed upon) it may be referred within seven (7) calendar days by either party to Step 3.

**Step 3:** Within seven (7) seven calendar days after referral of a dispute to Step 3, the representatives shall submit the matter to the designated permanent Arbitrator, Judge William Cahill. 

12.3 In the event that Judge Cahill is unavailable, the arbitrator shall be Earnest Brown.

12.4 The Arbitrator shall arrange for a hearing no later than fourteen days (14) calendar days after the matter has been submitted to arbitration. A decision shall be given to the parties within five (5) calendar days after completion of the hearing unless such time is extended by mutual agreement. A written opinion may be requested by a party from the Arbitrator. The time limits specified in any step of the Grievance Procedure set forth in Section 12.1 may be extended by mutual agreement of the parties initiated by the written request of one party to the other, at the appropriate step of the Grievance Procedure. However, failure to process a grievance, or failure to respond in writing within the time limits provided above, without the request for an extension of time, shall be deemed a waiver of such grievance without prejudice, or without precedent to the processing of and/or resolution of like or similar grievances or disputes.

12.5 The decision of the Arbitrator shall be binding by all parties. The Arbitrator shall not have authority to change, amend, add, or detract from any of the provisions of the Agreement. The expense of the Arbitrator shall be borne equally by both parties.

12.6 In order to encourage the resolution of disputes and grievances at Step 1 and 2 of this Grievance Procedure, the parties agree that such settlements shall not be precedent-setting.
ARTICLE 13
JURISDICTIONAL DISPUTES

13.1 The assignment of Covered Work will be solely the responsibility of the Contractor/Employer(s) performing the work involved; and such work assignments will be in accordance with the Plan for the Settlement of Jurisdictional Disputes in the Construction Industry (the “Plan”) or any successor Plan.

13.2 All jurisdictional disputes on this Project between or among the Union(s) and the Contractor/Employer(s), parties to this Agreement, shall be settled and adjusted according to the present Plan established by the Building and Construction Trades Department, or any other plan or method of procedure that may be adopted in the future by the Building and Construction Trades Department. Decisions rendered shall be final, binding and conclusive on the Contractor/Employer(s) and Union(s) parties to this Agreement.

13.2.1 If a dispute arising under this Article involves the Northern California Carpenters Regional Council or any of its subordinate bodies, an Arbitrator shall be chosen by the procedures specified in Article V, Section 5, of the Plan from a list composed of John Kagel, Thomas Angelo, Robert Hirsch and Thomas Pagan and the Arbitrator’s hearing on the dispute shall be held at the offices of the California State Building and Construction Trades Council in Sacramento, California, within fourteen (14) calendar days of the selection of the Arbitrator. All other procedures shall be as specified in the Plan.

13.3 All jurisdictional disputes shall be resolved without the occurrence of any strike, work stoppage, or slow-down of any nature, and the Contractor/Employer(s)’ assignment shall be adhered to until the dispute is resolved. Individuals violating this Section shall be subject to immediate discharge.

13.4 Each Contractor/Employer(s) shall conduct a Pre-Job Conference with the Council prior to commencing Covered Work. The Primary Employer, Coordinator and the District will be advised in advance of all such conferences and may participate if they wish. Pre-job conferences for different Contractor(s) may be held together.

ARTICLE 14
APPRENTICES

14.1 Recognizing the need to maintain continuing support of programs designed to develop adequate numbers of competent workers in the construction industry, the Contractor(s) shall employ apprentices in the respective crafts to perform such work as is within their capabilities and which is customarily performed by the craft in which they are indentured.

14.2 The apprentice ratios will be in compliance with the applicable provisions of the California Labor Code and Prevailing Wage Rate Determination.
14.3 There shall be no restrictions on the utilization of apprentices in performing the work of their craft provided they are properly supervised.

14.4 All Apprentices will come from a State approved Labor Management Apprenticeship program.

ARTICLE 15
MANAGEMENT RIGHTS

15.1 The Contractor shall retain full and exclusive authority for the management of their operations, including the right to direct their work force in their sole discretion with regard to the following: the hiring, promotion, transfer, layoff, corrective action or discharge for just cause of its employees (in accordance with Article 9); the determination of the number of employees needed for the Project work; the selection/hiring of foremen and supervisors; the assignment and schedule of work; the requirement of overtime work, the determination of when it will be worked, and the number of employees engaged in such work, except as otherwise limited by the terms of this Agreement and/or the MLA. No rules, customs or practices shall be permitted or observed which limit or restrict production, or limit or restrict the working efforts of construction persons except that the lawful manning provisions of the MLA shall be recognized.

ARTICLE 16
WAGES/BENEFITS

16.1 Wages. All construction persons covered by this Agreement shall be classified in accordance with work performed and paid the hourly wage rates for those classifications in the applicable MLA for such craft work and in compliance with the applicable prevailing wage rate determination.

16.2 Benefits. Contractor agrees to pay contributions into established construction person benefit funds in the amounts designated in the appropriate MLA; provided, however, that each Contractor and Union agree that only such bona fide construction person benefits as included in the prevailing wage determination shall be included in this requirement and required to be paid by the Contractor under this Agreement; provided further, however, that this provision does not relieve Contractors signatory to a local collective bargaining agreement with a signatory Union which would be applicable to the Projects from making any other fund contributions (including, but not limited to, those for contract administration), required by such local agreement. Contractor shall not be required to pay contributions to any other trust funds to satisfy their obligation under this Article. By signing this Agreement, the Contractors adopt and agree to be bound by the written terms of the legally established Trust Agreements, specifying the detailed basis on which the payments are to be made into, and the benefits paid out of, such Trust Funds.

16.3 Compliance. It shall be the responsibility of the Contractor(s) and Unions to investigate and monitor compliance with the provisions of the agreement contained in Article 15. Nothing in this agreement shall be construed to interfere with or supersede the
usual and customary legal remedies available to the Unions and/or employee benefit Trust Funds to collect delinquent Trust Fund contributions from Contractors on the Project.

**ARTICLE 17**

**MODIFIED MASTER LABOR AGREEMENTS**

17.1 Certain Provisions Shall Not Apply. Provisions negotiated into the new or modified MLA which are less favorable to the Contractor than those uniformly required of employers for construction work normally covered by those agreements or which may be construed to apply exclusively or predominately to work covered by this Agreement shall not apply to work covered by this Agreement. Any disagreement between the parties regarding the application of the provisions of any new or modified collective bargaining agreement to work covered by this Agreement shall be resolved under the dispute and grievance arbitration procedures set forth in Article 12 hereof.

**ARTICLE 18**

**DRUG and ALCOHOL TESTING**

18.1 The use, sale, transfer, purchase and/or possession of a controlled substance, alcohol and/or firearms at any time during the work day is prohibited.

18.2 Employer shall be allowed to utilize employment drug screens. All personnel are subject to random alcohol and drug/alcohol testing at any time, except, the following changes will apply. Employer shall follow said Unions Master Labor Agreement drug policies, regulations and limits. Body fluid tests will utilize urine and saliva specimens. Employer may also selectively require an employee to undergo alcohol or drug/alcohol testing if Employer has reasonable cause to believe that an employee’s ability to work safely may be impaired. All requirements and activities of the Employer with regard to drug/alcohol testing shall comply with the provisions of State law.

**ARTICLE 19**

**SAVINGS CLAUSE**

19.1 The parties agree that in the event any article, provision, clause, sentence or word of this Agreement is determined to be illegal or void as being in contravention of any applicable law, by a court of competent jurisdiction the remainder of the Agreement shall remain in full force and effect. The parties further agree that if any article, provision, clause, sentence or word of the Agreement is determined to be illegal or void, by the court of competent jurisdiction, the parties shall substitute, by mutual agreement, in its place and stead, an article, provision, clause, sentence or word which will meet the objections to its validity and which will be in accordance with the intent and purpose of the article, provision, clause, sentence or word in question.

19.2 The parties also agree that in the event that a decision of a court of competent jurisdiction materially alters the terms of this Agreement such that the intent of the parties is defeated, then the entire Agreement shall be null and void.
ARTICLE 20
ENTIRE AGREEMENT

20.1 This Agreement represents the complete understanding of the parties. The provisions of this Agreement, including the MLA, shall apply to the work covered by this Agreement. Where a subject covered by the provisions of this Agreement is also covered by a MLA, the provisions of this Agreement shall prevail. Where a subject is covered by the provisions of a MLA and is not covered by this Agreement, the provisions of the MLA shall prevail. Nothing contained in a MLA, working rule, by-laws, constitution or other similar document of the Unions shall in any way affect, modify or add to this Agreement unless otherwise specifically set forth in this Agreement or mutually agreed to in writing executed by the parties.

20.2 The parties agree that this Agreement covers all matters affecting wages, hours, and other terms and conditions of employment and that during the term of this Agreement the parties will not be required to negotiate on any further matters affecting these or any other subject not specifically set forth in this Agreement except by mutual agreement of the parties.

20.3 This Agreement may be executed in counterparts, such that original signatures may appear on separate pages and when bound together all necessary signatures shall constitute an original. Facsimile signature pages transmitted to other parties to this Agreement shall be deemed the equivalent to original signatures.

ARTICLE 21
TERM

21.1 The Agreement shall be included as a condition of the award of the Construction Contracts.

21.2 The Agreement shall continue in full force and effect for a term of three years from the Effective Date and shall be applicable to all Projects until completion that are advertised for bidding during the term.

21.3 This Agreement shall continue in full force and effect until Completion of the Project. The parties may mutually agree to extend and/or amend this Agreement.
SIGNATURES

City of Berkeley

By: ________________________________
Title: ______________________________
Date: ____________________________

Alameda County Building & Construction Trades Council, AFL-CIO

By: ________________________________ Date: __________________________

Signatory Unions

Asbestos Workers, Local 16 Boilermakers, Local 549

By: ________________________________ By: ________________________________

Bricklayers & Allied Craftsmen, Local 3 Cement Masons, Local 300

By: ________________________________ By: ________________________________

Electrical Workers, Local 595 Elevator Constructors, Local 8

By: ________________________________ By: ________________________________

Hod Carriers, Local 166 Iron Workers, Local 378

By: ________________________________ By: ________________________________

Laborers, Local 67 Laborers, Local 304

By: ________________________________ By: ________________________________

Operating Engineers, Local 3 Plasterers, Local 66

By: ________________________________ By: ________________________________

Roofers, Local 81 Sheet Metal Workers, Local 104

By: ________________________________ By: ________________________________

Sign Display, Local 510 Sprinkler Fitters, Local 483

By: ________________________________ By: ________________________________
Teamsters, Local 853 United Association of Journeymen and Apprentices Fitting Industry, Underground Utility & Landscape, Local 355

By: _________________________ By: _________________________

United Association of Steamfitters, Ironworkers City and the RDA Council of Pipefitters, Plumbers, & Gas California Fitters, Local 342
By: _________________________ By: _________________________

Council No. 16 Northern California

International Union of Laborers Painters & Allied Trades (On behalf of Painters, Local 3; Carpet & Linoleum Layers, Local 12; Glass Workers, Local 169; Auto & Marine Painters, Local 1176)
By: _________________________ By: _________________________

Northern California Carpenters Regional Council (on behalf of Carpenters, Local 713; Carpenters, Local 2236; Lathers, Local 68L; Millwrights, Local 102; Pile Drivers, Local 34)
By: _________________________
AGREEMENT TO BE BOUND

The undersigned, as a Contractor or Subcontractor ("Contractor") on a City Project ("Project"), for and in consideration of the award to it of a contract to perform work on said Project, and in further consideration of the mutual promises made in the Project’s Community Workforce Agreement ("Agreement"), a copy of which was received and is acknowledged, hereby:

1. Accepts and agrees to be bound by the terms and conditions of the Agreement, together with any and all amendments and supplements now existing or which are later made to said Agreement.

2. Certifies that it has no commitments or agreements which would preclude its full and complete compliance with the terms and conditions of said Agreement;

3. Agrees to secure from any Contractor (as defined in said Agreement) which is or becomes a subcontractor (of any tier) to it, and from any successors, a duly executed Agreement to be bound in form identical to this document.

4. Contractor agrees that it shall be bound by all applicable trust agreements and plans for the provision of such fringe benefits as accrue to the direct benefit of the construction persons, including Health and Welfare, Pension, Training, Vacation, and/or other direct benefits provided pursuant to the appropriate craft agreement contained in Schedule “A” of Agreement.

Date: ______________

Company Name: ____________________________________________

Name of Prime Contractor or Higher Level Subcontractor: ____________________________________________________________

Name of Project: _______________________

Signature: ______________________________________

Print Name: ______________________________________

Title:   ______________________________________

Contractor’s License #:  _______________________

Motor Carrier Permit (CA) #: _______________________

City of Berkeley
Community Workforce Agreement
Page 24 of 24
RESOLUTION NO. 68,299–N.S.

COMMUNITY WORKFORCE AGREEMENT WITH BUILDING TRADES COUNCIL, ET.AL. FOR CITY OF BERKELEY CONSTRUCTION PROJECTS OVER $500,000

WHEREAS, since its January 18, 2011 adoption, the Community Workforce Agreement has incorporated community interests by providing Berkeley residents access to quality union jobs with better standards for pay and benefits; and

WHEREAS, the City has operated continuously under the guidelines of the CWA, which has enhanced local hiring efforts by ensuring a portion of workers on certain City of Berkeley construction projects are from the local area, and that City projects will not be affected by work stoppages due to labor issues; and

WHEREAS, by Resolution No. 65,157-N.S. on January 18, 2011, Council approved the CWA for a term of three years and authorized the City Manager to execute the Agreement with the Alameda County Building and Construction Trades Council, AFL-CIO and twenty-two labor organizations regarding the provision of union labor to City construction projects in excess of $1 million dollars; and

WHEREAS, on May 15, 2012, Council approved the City Manager’s recommendation to maintain the CWA’s $1 million dollar threshold for publicly-funded construction projects for an additional twelve months; and

WHEREAS, on June 23, 2015, Council approved Resolution No. 67,111-N.S. reducing the threshold from $1 million to $500,000, with that threshold continuing to be based on the engineer’s estimate and authorizing the City Manager to extend the then-current CWA for three years; and

WHEREAS, the City has since that time honored the terms of that Agreement and its key components, and the Parties have worked diligently and cooperatively to reach an accord on newly added contract language and a new expiration term.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the City Manager is authorized to execute a contract with the Building Trades Council and twenty-two labor organizations regarding the provision of labor to City of Berkeley construction projects in Berkeley with an estimated value in excess of $500,000 for a three-year term that will expire June 30, 2020.

The foregoing Resolution was adopted by the Berkeley City Council on January 23, 2018 by the following vote:

Ayes: Davila, Droste, Hahn, Harrison, Maio, Wengraf, Worthington and Arreguin.

Noes: None.

Absent: Bartlett.

Attest: Mark Numainville, City Clerk

Jesse Arreguin, Mayor

Resolution No. 68,299-N.S.
Community Workforce Agreement – Public Works

Forms:

**CWA Summary**: captures main points of the 24-page CWA document

**Agreement to Be Bound** (also known as Letter of Assent): to be signed by all contractors and subs regardless of tier

**Pre-Job Conference Request**: Project manager to submit to Delfina (or designee) as PM is preparing documents, contract etc. Pre-job must occur prior to start of project.

**Hiring Plan**: to be completed by each contractor & sub prior to start of project

**Cumulative CWA Workforce Utilization Report**: to be submitted with Certified Payroll by the 25th of the following month.
BIDDING & CONTRACTING UNDER THE COMMUNITY WORKFORCE AGREEMENT (CWA)

• Local Workforce Hiring Goals
  The City of Berkeley’s local workforce-hiring goal is 20% of craft hours worked, on a craft by craft basis on locally funded projects. City Staff will provide a template to be used by the general contractor (GC) for reporting the summary of the total work hours and total number of Berkeley residents, this report is to be submitted with each certified payroll (CP), including CP for each subcontractor. GC can compile the report for the subcontractors or can require each sub to prepare their own report. Please include documentation detailing efforts to meet the local hire goals, i.e., dispatch requests to the unions. Please note the GC is responsible for the local hire component for the entire project. This report will be reviewed by the Joint Administrative Committee (JAC) to monitor compliance of the local workforce hiring goals. The JAC may periodically request contractors to attend a JAC meeting to describe and discuss their local hire efforts. GC and the subs are strongly encouraged to utilize the city-funded pre-apprenticeship program, Rising Sun Energy Center, for the hiring of Berkeley residents on the projects. Rising Sun staff will work closely with the trades and the contractor to facilitate the hiring of the program graduates for entry into the trades. City staff will conduct periodic interviews of workers throughout the project.

• Certified Payrolls
  Contractors are required to submit certified payrolls (CP) on a monthly basis to the Public Works Project Manager. The monthly report described above shall reflect the information provided on the Certified Payrolls. Address & trade for each worker must be included in Certified Payroll and is subject to verification by City staff. Please redact Social Security Numbers from CP prior to sending to City staff. When submitting CP, please attach any documentation pertinent to your good faith efforts, such as dispatch requests & union hall responses to those requests.

• Core (Regular, experienced) Employees
  A non-signatory contractor may use up to five (5) of its own “core” employees provided that the first worker hire comes from the union, second worker is “core”, third worker from the union, fourth worker is “core”, and so forth. The contractors’ worker must comply with the Union Hall’s registration process; the contractor and subcontractor may request by name, and the local will honor, referral of the core employee(s) who have applied to the local union hall for work on the project and who demonstrate the following qualifications: 1) possess any license required by state or federal law, 2) have worked at least 1,000 hours in the construction craft during the prior three years, 3) have been on the Contractor’s active payroll for at least sixty (60) out of the one hundred and eighty (180) hours in the calendar year immediately prior to contract award, 4) must have the ability to safely perform the basic functions of the applicable trade, and 5) must reside in Berkeley.

• Hiring Plan
  A hiring plan is to be submitted prior to the Notice to Proceed date, with the understanding that the workforce may change during the project. The hiring plan is used as baseline information, with the monthly workforce utilization reports, certified payroll and dispatch request documentation serving as confirmation of good faith efforts to hire locally.

• Apprentices
  Consistent with the requirements of California Labor Code § 1776, 1777.5 and 1777.6, contractors and their subcontractors are required to hire at least one Berkeley resident as a First Period Apprentice for $500,000 or more of total bid amount, thereafter, for every five million dollars of the total bid amount the Prime Contractor and their subcontractors are required to hire one additional first period apprentice. Berkeley residents that participate in local workforce development programs will be screened and referred for the apprenticeship opportunities, city staff, union halls & training programs will facilitate this process.
• California Prevailing Wages
All construction workers will be paid prevailing wages as determined by the State of California. Benefits are the established labor-management vacation, pension or other form of deferred compensation plan, apprenticeship and health benefit funds for each hour worked. Any local collectively bargained wage and/or fringe benefit increase shall be recognized on the date on which they become effective.

• Agreement to be Bound
All general contractors and all sub-contractors, including trucking, and regardless of tier, must sign an Agreement to be Bound to the CWA. This agreement binds the contractor to the terms of the CWA for the awarded project only. It does not bind any contractor to a union agreement for any other project.

• Pre-Job Conference
Prior to start of construction, the successful general contractor and all subcontractors are required to attend a pre-job conference with the affected Building & Construction Trades Council. The Pre-Job request form shall include subcontractor information including scopes of work. The Agreements to be Bound shall be submitted prior to the Pre-job Conference. General Contractor and subcontractors will make craft/trade work assignments at this meeting. Should any union disagree, it may follow the established jurisdictional dispute resolution process provided in the Community Workforce Agreement. The pre-job conference may be held via conference call arranged by the building trades, city staff will also participate in the pre-job conference.

• Joint Administrative Committee
This Committee shall be comprised of up to two (2) representative selected by the City; up to two (2) representatives of the signatory Unions and Alameda County Building and Construction Trades Council; and one (1) contractor representative, mutually selected by the City and the Alameda County Building and Construction Trades Council. Each representative shall designate an alternate who shall serve in his or her absence for any purpose contemplated by this Agreement. The Joint Administrative Committee shall meet regularly to review the implementation of the Agreement and the progress of the Projects including, but not limited to, compliance with Article 8, prevailing wage, safety, craft workforce levels and construction progress. The JAC may contact the Contractor and/or their subcontractors in writing to request their presence at a JAC meeting to describe good faith efforts throughout the project or at the end of a project.

CWA Administration
Delfina Geiken 2180 Milvia, 2nd floor
Employment Programs Administrator Berkeley, CA 94704
dgeiken@cityofberkeley.info (510) 981-7551

Nathan Dahl
Community Development Project Coordinator 2180 Milvia, 2nd floor
Department of Health, Housing and Community Berkeley, CA 94704
Services ndahl@cityofberkeley.info (510) 981-5405

To view the full City Council report:
AGREEMENT TO BE BOUND

The undersigned, as a Contractor or Subcontractor ("Contractor") on a City Project ("Project"), for and in consideration of the award to it of a contract to perform work on said Project, and in further consideration of the mutual promises made in the Project's Community Workforce Agreement ("Agreement"), a copy of which was received and is acknowledged, hereby:

1. Accepts and agrees to be bound by the terms and conditions of the Agreement, together with any and all amendments and supplements now existing or which are later made to said Agreement.

2. Certifies that it has no commitments or agreements which would preclude its full and complete compliance with the terms and conditions of said Agreement;

3. Agrees to secure from any Contractor (as defined in said Agreement) which is or becomes a subcontractor (of any tier to it, and from any successors, a duly executed Agreement to be bound in form identical to this document.

4. Contractor agrees that it shall be bound by all applicable trust agreements and plans for the provision of such fringe benefits as accrue to the direct benefit of the construction persons, including Health and Welfare, Pension, Training, Vacation, and/or other direct benefits provided pursuant to the appropriate craft agreement contained in Schedule "A" of Agreement.

Date: ________________________________

Company Name: ________________________________

Name of Prime Contractor or Higher Level Subcontractor: ________________________________

Name of Project: ________________________________

Signature: ________________________________

Print Name: ________________________________

Title: ________________________________

Contractor's License #: ________________________________

Motor Carrier Permit (CA) #: ________________________________
Pre-Job Conference Request Template

Please fill out this request for a Pre-Job form. **Do not** submit a PDF or Excel spreadsheet. Please allow ~7 business days for confirmation of your Pre-Job. A Pre-Job Notice will be sent via email once confirmed. If you have any questions, please call Kelly Elena Marshall at 510-430-8664.

**Date of Pre-Job request:** To be filled out by BTC  
**Time of Pre-Job Request:** To be filled out by BTC

**Name of Job:**
**General Scope of Job:**
**Project Address:**
**General Contractor:**
**Contact:** Provide name, title, cell # and email address
**Contract Amount:**
**Project Start Date:**
**This request cannot be processed w/o all Agreements to be Bound, attached**

**List of sub(s):**

1. **Name of Company:**  
   **Company Address:**  
   CSLB #:  
   **Contact Person:**  
   **Phone number**  
   **Email:**  
   **Scope of work:**  
   **Sub to:**  
   **Estimated Start Date:**  
   **Estimated Completion Date/Duration:**
City of Berkeley
CWA Hiring Plan
(to be submitted prior to Notice to Proceed date)

Name of Project: ________________________________

Name of Company Reporting: ____________________

Name of Person Completing Form: ____________________

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<th>Signature</th>
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<th>Employee Name</th>
<th>Core/Current Or TBD*</th>
<th>Employee Address</th>
<th>City &amp; Zip Code</th>
<th>Trade</th>
<th>Estimated Hours on project</th>
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*If employee name is TBD please enter the trade planned hours

Signatory to union:  □ Yes  □ No  If yes, please list trades: ________________________________

Comments: ________________________________

Return to:  Delfina Geiken, Employment Programs Administrator – 2180 Milvia St., 2nd floor – Berkeley, CA 94704 – dgeiken@cityofberkeley.info
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Enter totals (numbers) in columns C-H. Include apprentice hrs in totals

To be submitted monthly with Certified Payroll
Carry over numbers each month so the report is cumulative, add a worksheet via tab to keep in one document.

row 26 will auto calculate