



**CITY OF LAFAYETTE**  
**3675 Mount Diablo Blvd., Suite 210**  
**Lafayette, CA 94549**

## **BROOK STREET PARK IMPROVEMENT**

**3550 BROOK ST.**  
**LAFAYETTE, CA 94549**  
**PROJECT No. 012-9179**

## **PROJECT SPECIFICATIONS**

**BID OPENING DATE**  
**TUESDAY, JUNE 29, 2021, 2:00 P.M.**

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## NOTICE TO CONTRACTORS

Sealed proposals will be accepted at the office of the City Clerk, 3675 Mt. Diablo Boulevard, Suite 210, Lafayette, California until 2:00 P.M., Tuesday, June 29, 2021, at which time they will be publicly opened and read, for construction of **City of Lafayette, Brook Street Park Improvements, Project No. 012-9179**, including, but not limited to, the construction of new asphalt concrete pathways, concrete curb, gutter, walls and ADA ramp, and the installation of new play equipment with synthetic turf play surfacing and the installation of park furnishings including benches, a picnic table, a bottle filler and trash receptacles. Work generally includes but is not limited to, mobilization, pedestrian and traffic control; construction and special signage; locating utilities; clearing & grubbing including tree protection, tree & shrub trimming and removals; removal and disposal of AC pathways, concrete curb ramp, curb, gutter, sidewalk; excavating, grading and compacting pavement subgrade and base materials; construction of concrete foundations, walls, curb, gutter, storm drain subdrain system, hot mix asphalt pathways, park furnishings, play equipment and synthetic turf play surfacing; modifications to existing lighting and fencing, and all other related miscellaneous work as shown on the Plans and as described in the Specifications to provide a complete project.

The Engineer's cost estimate is \$470,000.

Beginning May 20, 2021, Contract Documents, including the Plans and Specifications, may be obtained through the City of Lafayette Recreation Department by contacting [jwarshaw@ci.lafayette.ca.us](mailto:jwarshaw@ci.lafayette.ca.us) or (925)284-0830

This project shall be constructed in accordance with the March 2013 edition of the City of Lafayette Standard Specifications, which may be obtained at the City of Lafayette Engineering Services Division.

Bids shall be submitted in a sealed envelope titled "**Proposal: Brook Street Park Improvements Project No. 012-9179.**" The Contractor shall possess a Class "A" license at the time this contract is awarded.

City will conduct a non-mandatory pre-bid conference. It is the Bidder's responsibility to attend and observe the existing site conditions to fully understand the restriction which may impact the project. The pre-bid conference will be held on June 10, 2021, 11:00am at the entrance to the Park on Brook St. 3550 Brook Street, Lafayette CA 94549.

Bidder's attention is directed to requirements in Sections 2 and 3 of the Standard Specifications General Provisions. All bids shall be accompanied by a cashier's or certified check, or a bidder's bond executed by a corporate surety insurer. The bidder's guarantee shall be in the amount equal to at least ten (10) percent of the total bid and shall be made payable to the City of Lafayette. The successful bidder shall furnish a payment bond and a performance bond.

**Bidder's attention is also directed to Section SP-22-05 of these the Project Special Provisions for the new Playground Equipment to be installed.** Play Equipment shall conform to the details on the Plans, as provided in the Project Special Provisions and manufactured by Superior Recreational Products (or approved equal). Should the Bidder decide to propose Play Equipment from an alternative manufacturer, Bidder must submit the alternative Play Equipment **at least 10 days prior to the bid opening date stated above.** The City will review the alternative proposal and if acceptable will issue an addendum to all bidders notifying them of the alternative Play Equipment option.

The City Council has ascertained the General Prevailing Rates of Wages applicable to this work, and these rates are on file in the office of the City of Lafayette Engineering Services Division.

Time of completion allowed for this project will be thirty (30) working days per Section SP 8-03 of the Special Provisions. Bidder's attention is directed to the order of work stated in Section 5 of the Special Provisions.

The City of Lafayette reserves the right to waive any informalities or to reject any or all bids. Questions regarding

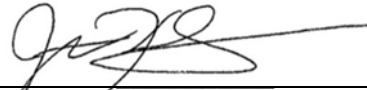
the project Plans or Specifications may be directed to City of Lafayette Recreation Department Supervisor John Warshaw at [jwarshaw@ci.lafayette.ca.us](mailto:jwarshaw@ci.lafayette.ca.us) or (925) 284-0830.

The plan holders list, as well as the City Standard Specifications, the Project Special Provisions and the General Prevailing Rates of Wages applicable to this work may be downloaded free of charge from the City of Lafayette web page at <http://www.ci.lafayette.ca.us> (click on *Public Works and Construction* under Quick Links on the homepage, then *City Construction Projects*).

CITY OF LAFAYETTE

Date: 5/17/2021

By:



Jonathan Katayanagi, Director  
Parks, Trails and Recreation Dept.

**CITY OF LAFAYETTE  
CALIFORNIA**

**BID PROPOSAL**

**Brook Street Park Improvements  
Project No. 012-9179**

TO THE CITY COUNCIL OF THE CITY OF LAFAYETTE:

In compliance with the annexed notice inviting sealed proposals, the undersigned bidder hereby proposes and agrees to perform the work therein described and to furnish all labor, materials and equipment necessary therefor, in accordance with the Plans and Specifications therefor, and further agrees to enter into a contract therefor, at the following prices:

<u>ITEM NO.</u>	<u>ITEM DESCRIPTION</u>	<u>UNIT OF MEASURE</u>	<u>ESTIMATED QUANTITY</u>	<u>ITEM PRICE</u>	<u>TOTAL</u>
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(SEE ATTACHED BID SCHEDULE)

- NOTES:
- All unit prices shall be considered the prices for providing a complete, in-place facility.
  - In the event of a discrepancy between the unit price and item total on the Bid Schedule, the unit price shall be used.

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Bidder acknowledges the receipt of the following addenda to the drawings and specifications.

<u>Addendum No.</u>	<u>Date</u>	<u>Addendum No.</u>	<u>Date</u>
_____	_____	_____	_____
_____	_____	_____	_____

o o o

**BID SCHEDULE**

Item No.	Item Description	Unit	Estimated Quantity	Unit Price	Total
1	Mobilization (SP-9)	LS	1		
2	Project Identification Sign & Construction Fencing (SP-9)	LS	1		
3	Traffic Control & Public Convenience (SP-10)	LS	2		
4	Locate & Protect Existing Utilities (SP-7)	LS	1		
5	Clearing, Grubbing & Tree Protection (SP-11)	LS	1		
6	Removal of Ex. Furnishings (SP-12)	LS	1		
7	Remove Asphalt Concrete Pathway (SP-12)	SF	1,440		
8	Remove Concrete Surfacing (SP-12)	SF	50		
9	Remove Concrete Curb at Play Area (SP-12)	LF	129		
10	Remove Concrete Curb & Gutter (SP-12)	LF	17		
11	Remove Fence Fabric (32" High) (SP-12)	SF	375		
12	Remove Fence Gate (SP-12)	EA	3		
13	Remove & Salvage Ex. Water Fountain (SP-12)	EA	1		
14	Remove & Re-Install Dedicated Bench (SP-12)	EA	1		
15	Remove & Re-Install Park Sign (SP-12)	EA	4		
16	Remove & Replace Light Pole Base Cap (SP-12)	EA	4		
17	Remove & Relocate Ex. Light Pole & Fixture (SP-23)	EA	2		
18	Aggregate Base Fill in Play Area (SP-15)	CY	97		
19	Asphalt Concrete Pathway (SP-16)	SF	36		
20	Concrete Curb & Gutter (SP-17)	LF	19		
21	6" Concrete Retaining Curb (SP-17)	LF	42		
22	10" Concrete Curb at Play Area (SP-17)	LF	70		
23	10" Concrete Retaining Wall with 42" Black Vinyl Coated Chain Link Fence (SP-17)	LF	62		
24	Concrete Curb Ramp with Detectable Panel (SP-17)	SF	57		
25	4" PVC Perforated Subdrain Pipe (SP-18)	LF	86		
26	Storm Drain Cleanout (SP-18)	EA	4		
27	42" Black Vinyl Coated Chain Link Fence in Ex. Concrete Curb (SP-22)	LF	40		
28	32" Black Vinyl Coated Chain Link Fence Fabric (SP-22)	LF	375		
29	32" Black Vinyl Coated Fence Gate (SP-22)	EA	3		
30	Black Metal Bench (SP-22)	EA	6		
31	Picnic Table with ADA Access (SP-22)	EA	1		
32	Install Trash & Recycle Receptacle Provided by City (SP-22)	EA	5		
33	Bottle Filler (SP-22)	EA	1		
34	Playground Synthetic Grass Surfacing (SP-22)	SF	3,127		
35	Playground Equipment (SP-22)	LS	1		
36	Paint Ex. 32" Fence Post Black (SP-24)	LS	1		
37	Paint Ex. Light Pole Black (SP-24)	EA	6		
38	Paint Ex. Electric Meter Black (SP-24)	LS	1		

Item No.	Item Description	Unit	Estimated Quantity	Unit Price	Total
39	Red Curb Paint (SP-24)	LS	1		
<b>Base Bid Total</b>					

Bidder agrees that in case of default in executing and returning the required contract and bonds within ten (10) calendar days after having received the contract, proceeds of the guarantee accompanying his bid will become the property of the City of Lafayette.

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In conformance with Subsection 2-13 "Listing of Proposed Subcontractors" of the Standard Specifications, the name and location of the place of business of each subcontractor is as follows:

	<u>NAME</u>	<u>DIR NUMBER</u>	<u>ADDRESS</u>	<u>WORK TO BE PERFORMED</u>
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

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Bidder certifies that he is licensed in accordance with an act providing for the registration of Contractors as follows:

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

o o o



*Bid Proposal*

Bidder certifies that he has not, nor have any of his or its agents, officers, representatives, or employees, been guilty of collusion with any officer or representative of the City of Lafayette or with any other party or parties in the submission of this Proposal; nor has said bidder received any preferential treatment by any officer or employee of the City of Lafayette in the matter of making or submitting this proposal. The undersigned declares under penalty of perjury that the foregoing is true and correct.

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Bidder certifies that there will be no discrimination in employment with regard to race, color, religion, sex, sexual orientation, or national origin; that all Federal, State, and local directives and executive orders regarding nondiscrimination in employment will be complied with and that the principle of equal opportunity in employment will be demonstrated positively and aggressively.

All bidders that have not had a contract with the City of Lafayette during the past three (3) years shall list below previous jobs that they have successfully completed and shall also show the amount of the contract therefor.

Name and Address of Agency or Individual for Whom Work was Done	Phone Number	Date Completed	Contract Price
1.			
2.			
3.			
4.			
5.			
6.			

**NONCOLLUSION DECLARATION**

The undersigned declares:

I am the \_\_\_\_\_ of \_\_\_\_\_, the party making the foregoing bid.  
*Title Firm*

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

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

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on \_\_\_\_\_, at  
*Date*

\_\_\_\_\_, \_\_\_\_\_.  
*City State*

By: \_\_\_\_\_  
*Signature*

Name: \_\_\_\_\_  
*Printed or Typed*

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

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

**PROPOSAL GUARANTEE  
BID BOND**

**BROOK STREET PARK IMPROVEMENTS**

**PROJECT NO. 012-9179**

KNOW ALL PERSONS BY THESE PRESENTS that \_\_\_\_\_, as BIDDER, and \_\_\_\_\_, as SURETY, are held and firmly bound unto City of Lafayette, as Owner, in the penal sum of \_\_\_\_\_ dollars (\$) which is ten percent of the total amount bid by BIDDER to Owner for the above stated project, for the payment of which sum, BIDDER and SURETY agree to be bound, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that, whereas BIDDER is about to submit a bid to Owner for the above stated project, if said bid is rejected, or if said bid is accepted and a contract is awarded and entered into by BIDDER in the manner and time specified, then this obligation shall be null and void, otherwise it shall remain in full force and effect in favor of Owner.

IN WITNESS WHEREOF the parties hereto have set their names, titles, hands, and seals this \_\_\_\_ day of \_\_\_\_\_, 2021.

BIDDER \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SURETY \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Subscribed and sworn to this \_\_\_\_ day of \_\_\_\_\_, 2021.

NOTARY PUBLIC \_\_\_\_\_

**PROPOSAL SIGNATURE SHEET**

The completed proposal submitted herewith includes all sheets numbered "P-1 through P-10" at the bottom. The following required attachments have been executed and are included:

- a. Bid Proposal (with Addenda acknowledgement)
- b. Bid Schedule
- c. Noncollusion Declaration
- d. Proposal Guarantee "Bid Bond" with Notarized Signatures
- e. Proposal Signature Sheet
- f. Public Works Contractor Registration Certification

Legal Name of Firm: \_\_\_\_\_

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

Telephone Number: ( ) \_\_\_\_\_

Type of Organization: ( ) Individual ( ) Partnership ( ) Corporation

Joint Venture Proposal?: ( ) Yes ( ) No

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

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

Position: \_\_\_\_\_

Date of Execution: \_\_\_\_\_

For a partnership, name all co-partners below,  
For a corporation, name president, secretary, treasurer and manager.

<b>NAME</b>	<b>TITLE</b>
_____	_____
_____	_____
_____	_____
_____	_____

Corporate Seal:

## PUBLIC WORKS CONTRACTOR REGISTRATION CERTIFICATION

Pursuant to Labor Code sections 1725.5 and 1771.1, all contractors and subcontractors that wish to bid on, be listed in a bid proposal, or enter into a contract to perform public work must be registered with the Department of Industrial Relations. See <http://www.dir.ca.gov/Public-Works/PublicWorks.html> for additional information.

No bid will be accepted nor any contract entered into without proof of the contractor's and subcontractors' current registration with the Department of Industrial Relations to perform public work.

Contractor hereby certifies that it is aware of the registration requirements set forth in Labor Code sections 1725.5 and 1771.1 and is currently registered as a contractor with the Department of Industrial Relations.

Name of Contractor: \_\_\_\_\_

DIR Registration Number: \_\_\_\_\_

Contractor further acknowledges:

1. Contractor shall maintain a current DIR registration for the duration of the project.
2. Contractor shall include the requirements of Labor Code sections 1725.5 and 1771.1 in its contract with subcontractors and ensure that all subcontractors are registered at the time of bid opening and maintain registration status for the duration of the project.
3. Failure to submit this form or comply with any of the above requirements may result in a finding that the bid is non-responsive.

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

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

Dated: \_\_\_\_\_

**CITY OF LAFAYETTE**  
**CONTRACT AGREEMENT**  
**FOR**  
**CONSTRUCTION**

THIS AGREEMENT is made and entered into as of \_\_\_\_\_, 2021, by and between the CITY OF LAFAYETTE ("City") and \_\_\_\_\_ ("Contractor").

RECITALS

A. City desires to retain the services of Contractor to provide services for construction of **Brook Street Park Improvements, Project No. 012-9179**, ("Project") for the construction of Brook Street park in the City of Lafayette. Work generally includes but is not limited to, mobilization, pedestrian and traffic control; construction and special signage; locating and protecting utilities; clearing & grubbing including tree protection, tree & shrub trimming and removals; removal and disposal of concrete sidewalk and existing asphalt concrete pathways, excavating, grading and compacting pavement subgrade and base materials; construction of new concrete curb ramp, curb and gutter, asphalt concrete pathways, installation of play-surfacing and equipment, and rehabilitation of existing light poles and fencing and all other related miscellaneous work as shown on the Plans and as described in the Specifications to provide a complete project.

B. Contractor has represented to City that it has the expertise, experience and qualifications to perform the services described in Paragraph A, above, and those services which are more fully described below.

NOW, THEREFORE, in consideration of the foregoing and the covenants and agreements set forth below, City and Contractor agree as follow:

1. Contract Documents. The contract documents for the aforesaid project shall consist of the Notice to Contractors, Bid Proposal, General Provisions, Technical Provisions, Special Provisions including appendices, Design Drawings, and all referenced specifications, details, standard drawings, and their appendices; together with this Contract Agreement and all required bonds, insurance certificates, permits, notices and affidavits; and also including any and all addenda or supplemental agreements clarifying, amending, or extending the work contemplated as may be required to insure its completion in an acceptable manner. All of the provisions of said contract documents are made a part hereof as though fully set forth herein.

1. Services. For and in consideration of the payments and agreements to be made and performed by City, Contractor agrees to furnish all materials and perform all work required for the above-stated project, and to fulfill all other obligations as set forth in the aforesaid contract documents. Contractor agrees to receive and accept the prices set forth in the Proposal as full compensation for furnishing all materials, performing all work, and fulfilling all obligations hereunder. Said compensation shall cover all expenses, losses, damages, and consequences arising out of the nature of the work during its progress or prior to its acceptance including those for well and faithfully completing the work and the whole thereof in the manner and time specified in the aforesaid contract documents; also including those arising from actions of the elements, unforeseen

Contract Proposal

difficulties or obstructions encountered in the prosecution of the work, suspension or discontinuance of the work, and all other unknowns or risks of any description connected with the work.

3. Employment by City. City hereby promises and agrees to employ, and does hereby employ, Contractor to provide the materials, do the work, and fulfill the obligations according to the terms and conditions herein contained and referred to, for the prices aforesaid, and hereby contracts to pay the same at the time, in the manner, and upon the conditions set forth in the contract documents.
4. Worker's Compensation. Contractor acknowledges the provisions of the State Labor Code requiring 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 certifies compliance with such provisions. Limits shall be not less than those specified in the insurance requirements contained in the General Provisions of the Standard Specifications, and as modified in these Special Provisions.
5. Insurance. With respect to performance of work under this contract, Contractor shall maintain and shall require all of its subcontractors to maintain insurance as required in the General Provisions of the Standard Specifications, and as modified in these Special Provisions.
6. Indemnity. Contractor shall comply with the indemnification requirements contained in the General Provisions of the Standard Specifications.
7. Assignment. This contract is not assignable nor the performance of either party's duties delegable without the prior written consent of the other party. Any attempted or purported assignment or delegation of any of the rights or obligations of either party without the prior written consent of the other shall be void and of no force and effect.
8. Non-discrimination. Contractor shall not discriminate in the hiring of employees or the employment of subcontractors on any basis prohibited by law.
9. Independent Contractor. Contractor is and shall at all times remain as to City, a wholly independent contractor. Neither City nor any of its agents shall have control of the conduct of Contractor or any of the Contractor's employees, except as herein set forth. Contractor shall not at any time or in any manner represent that it or any of its agents or employees are in any manner agents or employees of City.
10. Contractor and Subcontractor Registration. Effective March 1, 2015, pursuant to Labor Code sections 1725.5 and 1771.1, all contractors and subcontractors that wish to bid on, be listed in a bid proposal, or enter into a contract to perform public works must be registered with the Department of Industrial Relations. No bid will be accepted nor any contract entered into without proof of the contractor's and subcontractors' current registration with the Department of Industrial Relations to perform public work. Contractor is directed to review, fill out and execute the Public Works Contractor Registration Certification contained in the Bid Proposal prior to contract execution.
11. Labor Compliance. This Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. It shall be the Contractor's sole responsibility to evaluate and

Contract Proposal

pay the cost of complying with all labor compliance requirements under this Contract and applicable law.

12. Notices. All notices and communications shall be sent to the parties at the following addresses:

CITY: City Engineer  
City of Lafayette  
3675 Mount Diablo Boulevard, Suite 210  
Lafayette, California 94549

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

13. Authorized Signature. Contractor affirms that the signatures, titles, and seals set forth hereinafter in execution of this contract agreement represent all individuals, firm members, partners, joint ventures, and/or corporate officers having a principal interest herein.
14. Entire Agreement; Modification. This contract supersedes any and all other agreements either oral or written, between the parties and contains all of the covenants and agreements between the parties pertaining to the work of improvements described in Paragraph A of the Recitals herein above. Each party to this contract acknowledges that no representations, inducements, promises, or agreements, orally or otherwise, have been made by any party, or anyone acting on behalf of any parties, which are not embodied herein, and that any other agreement, statements or promise not contained in this contract shall not be valid or binding. Any modification of this contract will be effective only if signed by the party to be charged.
15. Claims Procedure. In the event of a dispute between the parties regarding a) a time extension demand, b) payment arising for work performed by or on behalf of the contractor which is not otherwise expressly provided for, or c) an amount the payment of which is disputed by the City, the procedure in Section 10 of the City of Lafayette Standard Specifications shall be used.



Contract Proposal

City of Lafayette Project, No. 012-9179  
Brook Street Park Improvements

IN WITNESS WHEREOF the parties hereto for themselves, their heirs, executors, administrators, successors, and assigns do hereby agree to the full performance of the covenants herein contained and have caused this Contract Agreement to be executed in duplicate by setting hereunto their names, titles, hands, and seals this \_\_\_\_ day of \_\_\_\_\_ 2021.

Contractor: \_\_\_\_\_  
**<Type Business Name Here>**

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

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

Contractor's License No. \_\_\_\_\_

Agency Business License No. \_\_\_\_\_

Federal Tax Identification No. \_\_\_\_\_

Subscribed and sworn to this \_\_\_\_ day of \_\_\_\_\_ 2021.

Notary Public \_\_\_\_\_

Agency: \_\_\_\_\_  
City Manager of the City of Lafayette

Attested: \_\_\_\_\_  
City Clerk of the City of Lafayette

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

**PAYMENT BOND**

**(TO BE EXECUTED WITHIN TEN [10] CALENDAR DAYS OF CONTRACT AWARD)**

WHEREAS, the City of Lafayette (Owner) has awarded to \_\_\_\_\_, as Contractor, a contract for the work described as follows: Construction of **Brook Street Park Improvements, Project No. 012-9179**, ("Project") including, but not limited to, mobilization, pedestrian and traffic control; construction and special signage; locating and protecting utilities; clearing & grubbing including tree protection, tree & shrub trimming and removals; removal and disposal of concrete sidewalk and existing asphalt concrete pathways, excavating, grading and compacting pavement subgrade and base materials; construction of new concrete curb ramp, curb and gutter, asphalt concrete pathways, installation of play-surfacing and equipment, and rehabilitation of existing light poles and fencing and all other related miscellaneous work as shown on the Plans and as described in the Specifications to provide a complete project.

AND WHEREAS, said Contractor is required to furnish a bond in connection with said contract, to secure the payment of claims of laborers, mechanics, materials persons, and other persons as provided by law;

NOW, THEREFORE, we, the undersigned Contractor and surety, are held firmly bound unto the Owner in the sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_), for which payment well and truly to be made we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH:

That if said Contractor, its heirs, executors, administrators, successors, or assigns, or subcontractors, shall fail to pay any of the persons named in Civil Code Section 3282, or amounts due under the Unemployment Insurance Code with respect to work or labor performed by any such claimant, or any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of the Contractor and its subcontractors pursuant to Section 13020 of the Unemployment Insurance Code, with respect to such work and labor, that the surety or sureties herein will pay for the same in any amount not exceeding the sum specified in this bond, otherwise the above obligation shall be void. In case suit is brought upon this bond, the said surety will pay a reasonable attorney's fee to the Owner in an amount to be fixed by the court.

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

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this \_\_\_\_ day of \_\_\_\_\_, 2021.

CONTRACTOR: _____	SURETY _____
Print Name: _____	NAME _____
Title: _____	ADDRESS _____
	TELEPHONE _____

**PERFORMANCE BOND**  
**(TO BE EXECUTED WITHIN TEN [10] CALENDAR DAYS OF CONTRACT AWARD)**

KNOW ALL PERSONS BY THESE PRESENTS:

THAT WHEREAS, the City of Lafayette (Owner) has awarded to \_\_\_\_\_, as Contractor, a contract for the work described as follows: Construction of **Brook Street Park Improvements, Project No. 012-9179**, ("Project") including, but not limited to, the construction of Brook Street park in the City of Lafayette. Work generally includes but is not limited to, mobilization, pedestrian and traffic control; construction and special signage; locating and protecting utilities; clearing & grubbing including tree protection, tree & shrub trimming and removals; removal and disposal of concrete sidewalk and existing asphalt concrete pathways, excavating, grading and compacting pavement subgrade and base materials; construction of new concrete curb ramp, curb and gutter, asphalt concrete pathways, installation of play-surfacing and equipment, and rehabilitation of existing light poles and fencing and all other related miscellaneous work as shown on the Plans and as described in the Specifications to provide a complete project.

AS WHEREAS, the Contractor is required to furnish a bond in connection with said contract guaranteeing the faithful performance thereof;

NOW, THEREFORE, we, the undersigned Contractor and surety, are held firmly bound unto the Owner in the sum of \_\_\_\_\_ Dollars (\$\_\_\_\_\_), to be paid to the Owner, its successors and assigns, for which payment well and truly to be made we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH:

That if said Contractor, its heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by and well and truly keep and perform the covenants, conditions, and agreements in the foregoing contract and any alteration thereof made as therein provided on its or their part to be kept and performed at the time and in the manner therein specified and in all respects according to their true intent and meaning, and shall indemnify and save harmless the Owner, its officers, and agents, as therein stipulated, then this obligation shall become and be null and void; otherwise it shall be and remain in full force and effect. In case suit is brought upon this bond, the said surety will pay a reasonable attorney's fee to the Owner in an amount to be fixed by the court. Surety, for value received, hereby stipulates and agrees that no amendment, change, extension of time, alteration, or addition to said contract, and of any feature or item or items of performance required therein or thereunder, shall in any manner affect its obligations on or under this bond; and said surety does hereby waive notice of any such amendment, change, extension of time, alteration, or addition to said contract, and of any feature or item or items of performance required therein or thereunder, shall in any manner affect its obligations on or under this bond; and said surety does hereby waive notice of any such amendment, change extension of time, alteration, or addition to said contract, and of any feature or item or items of performance required therein or thereunder.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this \_\_\_\_ day of \_\_\_\_\_, 2021.

CONTRACTOR: \_\_\_\_\_ SURETY \_\_\_\_\_  
Print Name: \_\_\_\_\_ NAME \_\_\_\_\_  
Title: \_\_\_\_\_ ADDRESS \_\_\_\_\_  
TELEPHONE \_\_\_\_\_

**CITY OF LAFAYETTE**

**SPECIAL PROVISIONS**

**Brook Street Park Improvements**

**Project No. 012-9179**

The special provisions contained herein have been prepared by or under the direction of the following Registered Person:



May 20, 2021

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**Mariam M. Virani**  
**REGISTERED CIVIL ENGINEER**

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**DATE**

## **SPECIAL PROVISIONS**

### **GENERAL** (NO BID ITEM)

The work to be done under this contract, except as modified or supplemented herein, shall conform to the following:

- The City of Lafayette General Provisions of the Standard Specifications dated March 2013, herein referred to as the "General Provisions of the Standard Specifications".
- The City of Lafayette Technical Provisions of the Standard Specifications dated March 2013, herein referred to as the "Technical Provisions of the Standard Specifications".

Where specifically referred to, the work shall also conform to the following:

- The State of California Department of Transportation (Caltrans) Standard Specifications, For Construction of Local Streets and Roads, 2018 Edition, herein referred to as the "State Specifications" or "State Standard Specifications".
- The State of California Department of Transportation (Caltrans) Standard Plans, 2018 Edition, herein referred to as the "State Standard Plans".
- The Contra Costa County Public Works Department Standard Plans, most current edition, herein referred to as the "County Standard Plans".

These Special Provisions are additions, modifications, or clarifications to the referenced Standard Specifications and generally supersede the referenced or applicable sections of said Standard Specifications. Refer to Section 5-4, "Precedence of Contract Documents", of the General Provisions of the Standard Specifications for the order of precedence of Contract Documents. Where ambiguity or conflict exist in the interpretation of precedence, the provision resulting in the highest quality or most expensive grade of construction or product shall govern.

**SPECIAL PROVISIONS SECTION SP-1**

**TERMS, DEFINITIONS AND ABBREVIATIONS**

(NO BID ITEM)

The provisions of Section 1- Terms, Definitions and Abbreviations, of the General Provisions of the Standard Specifications, shall apply in their entirety.

**SPECIAL PROVISIONS SECTION SP-2**

**BID PROPOSAL REQUIREMENTS**

(NO BID ITEM)

**SP2-01 GENERAL**

The provisions of Section 2 – “Bid Proposal Requirements,” of the General Provisions of the Standard Specifications, shall apply in their entirety.

**SPECIAL PROVISIONS SECTION SP-3**

**AWARD AND EXECUTION OF CONTRACT**

(NO BID ITEM)

**SP3-01 GENERAL**

The provisions of Section 3 - Award Execution of Contract, of the General Provisions of the Standard Specifications, shall apply in their entirety.

**SPECIAL PROVISIONS SECTION SP-4**

**PLANS AND SPECIFICATIONS (GENERAL)**

(NO BID ITEM)

The provisions of Section 4 – “Plans and Specifications (General),” of the General Provisions of the Standard Specifications, shall apply in their entirety.

**SP4-01 SCOPE OF WORK**

**The work shall include**, but not be limited to, improvements at Brook Street park in the City of Lafayette. Work generally includes but is not limited to, mobilization, pedestrian and traffic control; construction and special signage; locating and protecting utilities; clearing & grubbing including tree protection, tree & shrub trimming and removals; removal and disposal of concrete sidewalk and existing asphalt concrete pathways, excavating, grading and compacting pavement subgrade and base materials; construction of new concrete walls, curbs, curb ramp, curb and gutter, asphalt concrete pathways, installation of park furnishings, play-surfacing and play equipment, and the rehabilitation/modifications to existing lighting and fencing and all other related miscellaneous work as shown on the Plans and as described in the Specifications to provide a complete project.

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**SP4-02 PAYMENT**

No separate payment will be made for preparing and submitting "As-Built Drawings." Full compensation for preparing and submitting "As-Built Drawings" shall be considered as included in the prices paid for various contract items of work, and no additional compensation shall be allowed therefor.

**SPECIAL PROVISIONS SECTION SP-5**  
**CONTROL OF WORK AND MATERIALS**  
(NO BID ITEM)

The provisions of Section 5 – "Control of Work and Materials," of the General Provisions of the Standard Specifications, shall apply in their entirety, except as modified or supplemented herein.

**SP5-01 CONSTRUCTION SURVEY STAKING**

The City will provide construction survey staking for basic controls and alignment and grades of curb, gutter, and other items which, in the opinion of the Engineer, require survey staking. The Contractor shall submit staking requests in writing at least five (5) working days in advance of beginning work that requires construction survey staking. The Contractor will be responsible for providing traffic control for the City's survey crew as necessary for any required offset stakes which will need to be set in the roadway, including providing a lane closure and/or flaggers when required. The Engineer will notify the Contractor a minimum of 48 hours prior to the required survey staking in order to coordinate traffic control. The Contractor shall be responsible for paying the cost of resetting survey stakes which are damaged or obliterated by the Contractor's operations.

Where applicable, survey stakes for roundabout alignment and grade will be set on one side of the roadway only. These stakes will provide offset distances, and cuts or fills to the new grades at key points on the roadway cross-section, such as curbs. The Engineer will provide paint markings for limits of removal and replacement of pavement, curb, gutter, pathways, and similar flatwork.

**SP5-02 MATERIAL SAMPLING AND TESTING**

Compaction tests and/or material sampling and testing may be performed by the City's representatives on subgrade, aggregate base, portland cement concrete, asphalt concrete, and other work and materials, which in the opinion of the Engineer, require sampling or testing. Test locations shall be determined by the Engineer. The Contractor shall coordinate and cooperate with the Engineer and testing personnel, and no claims of delays or inconvenience due to testing and/or sampling shall be allowed.

**SP5-03 SUBMITTALS**

At a minimum the Contractor shall provide the following submittals to the Engineer

1. Water Pollution Control Plan
2. Waste Management Plan (Contractor shall use Green Halo Systems)
3. Traffic Control Plan and certification of "Qualified Personnel"
4. Complete list of Construction Equipment
5. Construction Area Fencing and Staging Plan
6. Material Source(s) for asphalt concrete and aggregate base
7. Asphalt concrete mix design
8. Portland Concrete Cement (PCC) mix designs for all items requiring PCC

*Special Provisions*

9. Storm drain subdrain, cleanouts and covers
10. Detectable warning surfaces
11. All landscape and irrigation materials and components as required by the Technical Provisions of the Standard Specifications and these Special Provisions
12. Park Furnishings (Bench, Picnic Table and Bottle Filler)
13. Playground Synthetic Grass Surfacing
14. Lighting components
15. Fencing and Gates
16. Paint Colors for various items
17. Additional submittals as noted in each section of these Special Provisions

**SP5-04 ORDER OF WORK**

Unless otherwise directed by the Engineer, the following major items of work shall be performed in the following general order. Not every item of Contract Work is shown. Contractor shall accordingly coordinate miscellaneous and coincidental work related to or associated with major work items in order to avoid out-of-sequence construction and conflicts. Not all stages of work apply to every location within the Project. Contractor may submit alternative Order of Work for review and approval by the City prior to the start of construction.

- 1) Submittals
- 2) Notify Underground Service Alert (USA) to have utilities marked.
- 3) Install water pollution control measures.
- 4) Install tree protection.
- 5) Install construction fencing around project area as approved and install project identifications sign.
- 6) Submit waste management plan prior to commencing any demolition work.
- 7) Perform utility potholing work if required, to confirm depths of existing utility lines, electrical lines, irrigation and/or subdrains. No additional excavation work will be permitted until Contractor's Utility Pothole Log (Appendix to Standard Specifications) is submitted to the Engineer.
- 8) Clearing, grubbing, tree trimming and tree removal.
- 9) Reference utility boxes of all kinds. Initiate coordination of necessary relocations and adjustments with various utilities if required.
- 10) Demolition/Removals of existing paving and miscellaneous items
- 11) Grading/Earthwork
- 12) Installation of Drainage
- 13) Installation of Concrete Curb, Walls, Curb & Gutter and Curb Ramps
- 14) Installation of Aggregate Base Fill in Play Area
- 15) Electrical Work for Lighting
- 16) Irrigation adjustments as needed
- 17) Paving – (Concrete, Asphalt Concrete)
- 18) Installation of Park Furnishings
- 19) Install Play Equipment



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- 20) Install Play Surfacing
- 21) Fencing & Gates
- 22) Landscape restoration as needed
- 23) Complete all other construction work and punch list items.
- 24) Remove tree protection, construction area signs and project identification signs.
- 25) Submit completed waste assessment summary report form.
- 26) Submit as-built plans.

**SP5-05 PAYMENT**

No separate payment will be made for conforming to the provisions of this section. Full compensation for conforming to all the provisions of this section shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed therefor.

**SPECIAL PROVISIONS SECTION SP-6**  
**LEGAL RELATIONS AND RESPONSIBILITIES**  
(NO BID ITEM)

The provisions of Section 6 – “Legal Relations and Responsibilities,” of the General Provisions of the Standard Specifications, shall apply in their entirety, except as modified or supplemented herein.

**SP6-01 NOTIFICATIONS**

Notification requirements in Section 6-10, 6-12.3 and 6-13 of the General Provisions of the Standard Specifications shall apply.

**SP6-02 PAYMENT**

No separate payment will be made for conforming to the provisions of this section. Full compensation for conforming to all the provisions of this section shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed therefor

**SPECIAL PROVISIONS SECTION SP-7**  
**EXISTING UTILITIES & FACILITIES**  
(BID ITEM NO. 4)

The provisions of Section 7 – “Existing Utilities,” of the General Provisions of the Standard Specifications, shall apply in their entirety, except as modified or supplemented herein.

Contractor shall notify Underground Service Alert (USA) to have utilities marked prior to start of construction. Contractor shall pothole any potential utility conflicts and protect all existing utilities marked, shown and not shown on the Plans and as required by these contract documents, the Engineer and the respective utility agency.

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Contractor's attention is directed to the existing electrical lines for the existing lighting in the Park. Contractor shall locate and protect the existing system in place. Where adjustments might be needed due to new improvements, Contractor shall review the adjustments with the City and match existing wiring. The relocation of two lights to a new foundation and reconnecting to existing system shall be as provided elsewhere in these Special Provisions.

Contractor shall protect existing irrigation system and repair any damage from construction at his own expense and to the satisfaction of the Engineer.

Contractor shall locate and protect the existing drain at play area which outlets to the Creek.

**SP7-03 MEASUREMENT AND PAYMENT**

The contract lump sum price paid for "**Locate and Protect Existing Utilities**" shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals, and for doing all the work involved in locating existing utilities and protecting them during construction as specified in the Standard Specifications, State Specifications, Project Contract Documents as directed by the Engineer and no additional compensation will be allowed therefor.

**SPECIAL PROVISIONS SECTION SP-8**

**PROGRESS OF WORK**

(NO BID ITEM)

The provisions of Section 8 - Progress of Work, of the General Provisions of the Standard Specifications, shall apply in their entirety and as supplemented below.

**SP8-01 PRE-CONSTRUCTION MEETING**

**A pre-construction meeting for this project will be held on July 21, 2021 at 2:30 pm at the City offices.** The contractor shall submit all required bonds, insurance, and signed contracts prior to this meeting. The Notice to Proceed will be issued to the Contractor at this meeting. **The prime contractor's full-time on-site superintendent and foremen for the project, along with any major subcontractors, are required to attend the preconstruction meeting.**

At the pre-construction meeting, representatives of the Owner, the Contractor, Subcontractors, and the Engineer will discuss in detail certain procedural aspects of the Work, including but not limited to:

- Administrative procedures for transmittals, submittals, approvals, change orders, and similar items;
- Review of the method of application for payment, progress payments, retention; and final payment;
- Review of the Contractor's construction progress schedule and order of work;
- Clarifications of any questions regarding the contract Plans and Special Provisions;
- Review of traffic control procedures

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**SP8-02 PROGRESS SCHEDULE**

The Contractor shall submit the construction progress schedule to the Engineer at the pre-construction meeting. Contractor shall also submit an updated schedule by no later than Friday morning of each work week, and as requested by the Engineer per Section 8-2, "Progress Schedule," of the General Provisions of the Standard Specifications.

**SP8-03 TIME OF COMPLETION AND LIQUIDATED DAMAGES**

The Contractor shall complete the entire Work in this Contract within thirty (30) working days from the start date, including completion of all "Punch List" work. Liquidated damages shall be assessed per Section 8-10, "Liquidated Damages," of the General Provisions of the Standard Specifications.

**The count of working days on this Contract shall start Monday, July 26, 2021.**

Working days shall be suspended while waiting for the Play Equipment, and all other work is complete except for the installation of the Play Equipment, Synthetic Turf Play Surfacing and Final Fencing.

**SP8-04 WORKING HOURS**

Without prior written approval by the Engineer, and except for emergency work, work or activity of any kind shall be limited to the hours from 8:00 a.m. to 5:00 p.m. Monday through Friday. Contractor's attention is directed to hours for lane/road closures in Section SP-11 of these Special Provisions.

**SPECIAL PROVISIONS SECTION SP-9**

**MOBILIZATION**

(BID ITEMS 1 – 2)

The provisions of Section 1 – "Mobilization," of the Technical Provisions of the Standard Specifications, shall apply in their entirety, except as modified or supplemented herein.

Contractor is hereby reminded to have Underground Service Alert (USA) mark utilities prior to start of any work including installation of project signs and construction fencing. Contractor shall pothole any potential utility conflicts and protect all existing utilities as required by these contract documents, the Engineer and the respective utility agency.

Contractor shall submit plan for the approval of the Engineer which provides details on construction area fencing, staging and installation of City Project Signs prior to the start of construction. Contractor shall obtain Project Identification Sign from the City and install as provided herein and as directed by the Engineer. Construction fencing shall also conform to the City Standard Provisions and as directed by the Engineer.

Contractor's attention is directed to the existing creek adjacent to the project area. Contractor shall prepare a Water Pollution Control Plan (WPCP) prior to the start of construction for review and approval by the Engineer as required by State and County regulations. Contractor shall implement the approved WPCP prior to the start of any construction. Temporary creek protection measures include but are not limited to temporary fencing and installing waddles 10 to 15 feet away from top of the bank to protect

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the creek and keep construction activities from getting too close to the bank. Contractor shall not store materials and equipment within the said creek setback area.

**SP9-01 MEASUREMENT AND PAYMENT**

The contract lump sum price paid for "**Mobilization**" shall include full compensation for furnishing all labor, supervision, materials, tools, equipment, and incidentals, for all the work involved in mobilization of forces, equipment, materials, and meeting all general conditions and provisions of Contract Documents, and for doing all the work involved in developing, preparing, obtaining approval of, revising, and amending the Water Pollution Control Plan (WPCP), as specified in the State Specifications and these Special Provisions, and as directed by the Engineer and no additional compensation will be allowed therefor.

The Contract Lump Sum Price paid for "**Project Identification Sign & Construction Fencing**" shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals, and for doing all the work involved in coordinating with the City to obtain the City provided "Project Identification Signs", transporting, installing signs on barricades or posts, maintaining signs, installing construction fencing, removing signs and barricades or posts and fencing, and returning City's signs to the City as specified in the Standard Specifications and these Special Provisions and as directed by the Engineer and no additional compensation will be allowed therefor.

**SPECIAL PROVISIONS SECTION SP-10**

**TRAFFIC CONTROL AND PUBLIC CONVENIENCE**

(BID ITEM NO. 3)

**SP10-01 GENERAL**

Traffic Control may not be required for this park project. Should minor traffic control be required, the Contractor shall prepare and submit to the Engineer a Traffic Control Plan prior to the start of Construction. Work shall conform to the requirements of Section 6-12, "Traffic Control," Section 6-12.7, "Temporary Traffic Striping & Pavement Markings," of the General Provisions and Section 15-4, "Removal of Existing and Temporary Traffic Stripes and Pavement Markings," of the Technical Provisions of the Standard Specifications. Nothing in these Special Provisions shall be construed as relieving the Contractor from his/her responsibilities as specified in said sections. Any traffic striping or markings that are removed due to any phase of work shall be replaced, or re-aligned if required, with temporary traffic stripes or pavement markings. All temporary striping and markings shall be placed the same day the permanent striping or markings are removed and they shall be placed before opening the roadway to public traffic.

**SP10-02 CONSTRUCTION AREA SIGNS**

Work shall conform to Section 1-3, "Construction Area Signs," of the Technical Provisions of the Standard Specifications.

The Engineer shall approve all locations prior to the Contractor installing signs. Construction Area signs shall be in place on the project site at least two (2) days prior to the start of work, but not more than seven (7) days. Signs shall be removed within five (5) days of completing all work. The Contractor shall notify the regional notification center for operators of subsurface installations (USA-Underground Service Alert: 1-800-227-2600), at least four (4) working days, but not more than fourteen (14) calendar days, prior to commencing any excavation for construction area sign posts.

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The bottom of the mounted sign panels shall be seven (7) feet above existing grade.

**SP10-03 LANE CLOSURE HOURS**

If lane closures are required, Contractor's attention is directed to noticing requirements in Section SP6-01 should lane closures be required. Lane closures will be limited to hours between 9:00 am and 3:00 pm.

**SP10-04 FLAGGING**

If flagging is required, the contractor shall pay 100% of the cost of furnishing all flaggers and pilot cars, including transporting flaggers; furnishing stands and towers for flaggers, and operating pilot cars to provide for the passage of pedestrian and traffic through the work.

**SP10-05 MAINTAINING TRAFFIC, PEDESTRIAN AND DRIVEWAY ACCESS**

Contractor shall stage his work so as to be able to provide a continuous ADA-compliant pedestrian pathway adjacent to the Park site at all times and the Contractor shall not be allowed to close the sidewalk or multiuse trail without providing a reasonable alternative route.

Where necessary and required to maintain pedestrian access, Contractor shall provide temporary ADA-compliant access ramps through work zones and over demolished areas. Each ramp shall consist of a sturdy non-slip walking surface at least 5 feet wide and 6 feet long, with cross-slopes less than 1.5% and running grades less than 7.5%. Ramps shall have handrails constructed from timber of 2"x4" nominal size. Contractor shall submit shop drawings of a typical Access Ramp for review and approval prior to fabrication.

Where sidewalk closure is necessary, Contractor shall provide temporary "SIDEWALK CLOSED" signs mounted on barricades at a location approaching the closure as determined by the Engineer to best minimize pedestrian traffic attempting to walk through the closure.

**SP10-06 MEASUREMENT AND PAYMENT**

The contract lump sum price paid for "**Traffic Control and Public Convenience**" shall be considered as full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals needed to perform all traffic control work, for all phases and stages of the work performed by the Contractor or the Contractor's "subcontractors" including, but not limited to, all signs, construction area signs, special construction signs, barricades, steel plates, traffic control plan, maintaining traffic, lane closures, flagmen, maintaining driveway and pedestrian access, including temporary access ramps, and all other traffic control devices; and all other work as shown on Standard Plans, as specified in the Standard Specifications, the State Specifications, these Special Provisions, and as directed by the Engineer and no additional compensation shall be allowed therefor. There shall be no additional compensation for traffic control due to an increase in the quantities shown on the bid proposal for pay items within the project limits.

Traffic Control required by work which is classified as extra work, as provided in Section 9.3, "Extra Work", of the General Provisions of the Standard Specifications, will be paid for as part of said extra work.

**SPECIAL PROVISIONS SECTION SP-11**

**CLEARING AND GRUBBING**

(BID ITEM NO. 5)

The provisions of Section 2 – “Clearing and Grubbing,” Section 21, “Tree Trimming and Removal,” and Section 22-3, “Tree and Plant Protection,” of the Technical Provisions of the Standard Specifications, shall apply in their entirety, except as modified or supplemented herein.

All cleared and grubbed areas shall be approved by the Engineer before commencing the next stage of construction and shall include removal of all objectionable materials for which a separate contract pay item is not provided elsewhere in these Special Provisions. Contractor’s attention directed to one existing tree to be removed as part of the work. All other trees and tree roots shall be protected as provided in the Standard Provisions and the Contract Plans.

Removal of existing asphalt concrete pathways and base, and removal of asphalt concrete roadway shall be as provided elsewhere in these Special Provisions and not included in the payment for “Clearing & Grubbing”

**SP11-01 MEASUREMENT AND PAYMENT**

The contract lump sum price paid for “**Clearing, Grubbing & Tree Protection**” shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals, and for doing all the work involved in clearing and grubbing, tree trimming, tree removal, and tree protection including, but not limited to- the removal and disposal of all existing trash, debris, rocks, shrubs and vegetation; trimming of vegetation, shrubs, and trees of diameters 6” inches or less in diameter; removing, salvaging, and/or relocating landscape borders and decorative rock if encountered and all other work as shown on the Plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

**SPECIAL PROVISIONS SECTION SP-12**

**EXISTING FACILITIES**

(BID ITEM NO. 6-17)

**SP12-01 GENERAL**

Work shall consist of removing and disposing of, relocating, or protecting existing facilities which interfere with construction. Work performed in connection with various existing facilities shall conform to the applicable provisions of Section 7, "Existing Utilities," of the General Provisions, Section 2, "Clearing and Grubbing," and Section 22, "Protection and Restoration of Existing Improvements," of the Technical Provisions of the Standard Specifications, these Special Provisions, and as directed by the Engineer.

The Contractor shall fully document pre-construction conditions at all points around the work area. This documentation shall consist of notes, still photographs, and video. Special effort shall be made to

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document the existing concrete sidewalk, curb, lights and irrigation facilities to be protected. These documents shall be available to the City upon request.

If Contractor damages or destroys materials or facilities designated on the Plans, in these Special Provisions, or by the Engineer to be protected, salvaged or reused, he/she shall repair or replace them in kind at his sole expense.

Contractor's attention is directed to the existing storm drain/sub-drain system in the play area which also outlets to the existing creek. Contractor shall locate and protect existing storm drain which carries water from the play area to the existing creek. All other storm drain/sub-drain encountered which may interfere with proposed improvements shall be removed and disposed of. Contractor shall review these removals with the City in advance for City's approval. Measurement and payment for the removal of the existing storm drain system within the play area shall be included in the payment for contract bid item "Aggregate Base Fill in Play Area"

**SP12-02 MONUMENTS AND PROPERTY CORNERS**

All monuments and property corners are to be preserved unless designated on the plans to be replaced. The Contractor shall bear the expense of replacing and recording with the County any monument or benchmark that is disturbed and was not designated to be replaced. Replacement shall be done only under the direction of and in the presence of the Engineer or a licensed surveyor.

**SP12-03 REMOVALS**

Contractor's attention is directed to Section 6-11, "General Safety," of the General Provisions, of the Standard Specifications, and Section SP-11-05, "Traffic Control and Public Convenience," of these Special Provisions.

Removals of existing facilities not considered to be included in other Contract Work include removal of existing asphalt concrete pathways, concrete surfacing, concrete curb, concrete curb and gutter, fence fabric, gates and removal of existing play equipment and site furnishings. Existing furnishings include trash and recycle bins, picnic tables, benches, game table and chairs, a wood beam, play equipment, wood bollards and wood pergola, as shown on the Plans and directed by the Engineer. Removals of these items include all components including hardware and foundations. Items to be removed and re-installed or salvaged are provided for separately and described below.

Removals of area in preparation for new construction shall extend to a depth that is sufficient to accommodate the new improvements to be constructed including any necessary subgrade and as specified on Plans.

For removals that involve sawcutting, all sawcut lines shall be approved by the Engineer prior to sawcutting.

Where existing curb and gutter is to be removed and replaced, and the adjacent pavement is intended to remain, removal work shall include the removal of said curb and gutter and a sufficient area of the adjacent pavement to a proper depth to allow the forming and construction of the replacement new curb and gutter.

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Contractor's attention is directed to the existing Dedicated Bench which is to be removed and re-installed as shown on the Plans and as provided below. All other benches are to be removed and disposed of.

All other removals as shown on the drawings and as directed by the Engineer to accommodate new construction as intended by Contract, for which no specific Bid Item is shown, shall be considered as incidental work.

**SP12-04 REMOVE & SALVAGE, REMOVE & RE-INSTALL, REMOVE & REPLACE, AND REMOVE & RELOCATE EXISTING FACILITIES**

Contractor shall remove, protect and re-install an existing Dedicated Bench, two existing lights and park signs as shown on the Plans, as specified herein, and as directed by the Engineer. Removal shall include all components of the items for proper re-installation including hardware, foundation and wiring. Contractor shall provide any new components required to properly re-install the items including hardware, foundations and wiring.

Items shall be removed and re-installed or salvaged in a manner to avoid damage. Should any items be deemed damaged by the Engineer, Contractor shall provide a new item at his own expense.

Contractor's attention is directed to the existing drinking fountain which is to be disconnected, removed and salvaged for re-use by the City. Contractor shall protect the fountain and once deemed re-usable by the Engineer, the Contractor shall deliver the fountain to City Corp Yard as directed by the Engineer.

Contractor shall remove and dispose of existing light pole base caps and replace with new caps of same kind and as approved by the Engineer.

Contractor's attention is directed to existing light poles and fixtures to be relocated and installed in a new foundation. Work shall conform to the provisions Section 86-1.06, "Maintaining Existing and Temporary Electrical Systems," of the State Standard Specifications in addition to Section SP-23 "Street Light and Electrical Systems" of these Special Provisions, the Plans and as directed by the Engineer. See Section SP-23 for further provisions and Measurement and Payment for the relocation of existing light poles and fixtures.

**SP12-05 MEASUREMENT AND PAYMENT**

No separate payment shall be made for conforming to the provisions of this section, with the exception of the items specified below or provided elsewhere in these Special Provisions.

The contract lump sum price paid for "**Removal of Ex. Furnishings**" shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to fully remove and dispose of trash and recycle bins, picnic tables, benches, game table and chairs, a wood beam, play equipment, wood bollards and wood pergola, related components, hardware, foundations, base material and dewatering, as shown on the Plans, specified herein and directed by the Engineer and no additional compensation shall be allowed therefor.

The contract prices paid per square foot for "**Remove Asphalt Concrete Pathway**", and "**Remove Concrete Surfacing**", shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals necessary to remove and dispose of existing concrete flatwork, asphalt paving, and base material including sawcutting, excavating, removing, loading, off-hauling, and disposal of asphalt concrete



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or concrete pavement, base, subgrade, and sub-base materials of all kind as shown on the Plans, specified in these Special Provisions, and as directed by the Engineer; and no additional compensation shall be allowed therefor.

The contract prices paid per linear foot for "**Remove Concrete Curb at Play Area**", and "**Remove Concrete Curb & Gutter**" shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals necessary to remove and dispose of existing concrete curb, gutter, base material and adjacent asphalt pavement or other paving as necessary to accommodate form boards, and all excavation and backfill as required to accommodate new improvements as shown on the contract plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor. Contract quantities may be reduced or eliminated based on work to be performed by others. No adjustment in the bid item price shall be allowed due to any change in contract quantities.

The contract price paid by the linear foot for "**Remove Fence Fabric (32" High)**", and per each for "**Remove Fence Gate**" shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to fully remove, and dispose of the existing fence fabric and gates on the Plans, specified herein and directed by the Engineer including related components, hardware, foundations, base material and dewatering and no additional compensation shall be allowed therefor.

The contract prices paid per each for "**Remove & Salvage Ex. Water Fountain**", "**Remove & Re-install Dedicated Bench**", and "**Remove & Re-Install Park Sign**" shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to excavate, sawcut, removal of the designated items, respective foundations, base material, and hardware, safe storage and re-install or salvage existing items, with new foundations, backfill, and reconnection to existing electrical and water system as shown on the plans, as specified by these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The contract prices paid per each for "**Remove & Replace Light Pole Base Cap**" shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to remove and dispose of existing damaged base caps on existing lights so as not to damage existing lights and to furnish and install new base caps (match existing in kind) as noted on the plans, as specified by these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

**SPECIAL PROVISIONS SECTION SP-13**

**EARTHWORK**  
(NO BID ITEM)

Excavations of all kind shall conform to the provisions of Section 3 – "Earthwork," of the Technical Provisions of the Standard Specifications, and shall apply in their entirety except as modified or supplemented herein.

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The Contractor shall provide for the public safety and public convenience in accordance with the provisions of Sections 7-1.03, "Public Convenience", and 7-1.04, "Public Safety", of the State Specifications and these Special Provisions.

**SP13-01 ROADWAY EXCAVATION**

Excavation consists of sawcutting, removing, and disposing of asphalt concrete pavement, concrete flatwork or pavement, subgrade and subbase of all kinds, soil, and any other materials encountered to excavate to the required depths to install improvements shown on the plan, new asphalt concrete pathways, new extended play area, and small area of concrete sidewalk/ramp.

All excavated asphalt concrete material, base material, and native material shall be disposed of outside the right-of-way as required in Section 6-16 of the General Provisions of the Standard Specifications. All excavated material to be disposed of shall be off-hauled from the site as it is generated. The excavated material will consist of asphalt concrete, base material and native material, and may contain reinforcing fabric and/or other particles that are a by-product of asphalt concrete. The City makes no guarantee that the material will be reusable or recyclable. No additional compensation shall be allowed to the Contractor if the material is deemed not reusable or recyclable. Any testing, if required, by the disposal site shall be arranged and paid for by the Contractor. No stockpiling at the site is permitted.

Unsuitable material encountered below the grading plane shown on the Plans shall be excavated and disposed of per Section 19-1.03B of the State Specifications and at the direction of the Engineer. Sub-excavation shall not begin without prior approval from the Engineer. The cost of removal and disposal of unsuitable material and replacement material shall be paid for at force account as provided in Section 4-1.05 and 9-1.04 of the State Specifications.

There is no separate measurement or payment for earthwork and/or roadway excavation including saw-cutting excavating, removing, loading, off-hauling, and disposal of asphalt concrete or concrete pavement, base, subgrade, and sub-base materials of all kind. All roadway excavation and earthwork necessary to construct the proposed improvements, except as specifically provided for in other sections of these Special Provisions, shall be considered as included in the Contract Prices paid for the various items of work.

**SP13-02 STRUCTURE EXCAVATION**

Earthwork shall conform to the provisions of Section 19-3, "Structure Excavation and Backfill," and Section 7-1.02k (6), "Occupational Health of Safety," of the State Specifications and these Special Provisions.

Work shall include, but not be limited to, all operations necessary to excavate, remove, off-haul, backfill (if required), and compact earth material to construct the new light pole locations, curbs and fencing as shown on the Plans and as directed by the Engineer. Stockpiling the spoils is not permitted.

Should structure backfill be required, it shall comply with Section 19-3.02c "Structure Backfill" of the State Specifications and shall be compacted to a relative compaction of no less than 90% as determined by the ASTM D-1557 test procedure. Backfill which does not meet the compaction requirement shall be scarified, moisture conditioned, and re-worked until the required relative compaction has been attained.

Measurement and payment for structure excavation and/or structure backfill as provided in these Special Provisions, required to perform the work shown on the Plans and directed by the Engineer shall be

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considered as included in the Contract Bid Item for the various items of work requiring structure excavation.

There is no separate measurement or payment for structure excavation and/or earthwork.

**SPECIAL PROVISIONS SECTION SP-14**

**DUST CONTROL AND WATERING**

(NO BID ITEM)

The provisions of Section 4 – “Dust Control & Watering,” of the Technical Provisions of the Standard Specifications, shall apply in their entirety, except as modified or supplemented herein.

**SP14-01 PAYMENT**

No separate payment shall be made for conforming to the provisions in this section. Full compensation for conforming to all the provisions of this section shall be considered as included in the prices paid for various contract items of work and no additional compensation shall be allowed therefor.

**SPECIAL PROVISIONS SECTION SP-15**

**AGGREGATE BASE**

(BID ITEM NO. 18)

The provisions of Section 8 – “Aggregate Base,” of the Technical Provisions of the Standard Specifications, shall apply in their entirety. Aggregate base shall be Caltrans Standard Class 2 aggregate base ¾” max and shall be compacted as shown on the Plans for the various items of work requiring aggregate base.

Contractors attention is directed to the aggregate base that is to be installed as fill in the play area. The aggregate base fill will serve as a base for the synthetic turf play surfacing and will be installed in advance of the play equipment and play surfacing. Contractor shall protect the aggregate base fill while waiting for the play equipment. The fill is approximately 10” deep and shall be graded so as to allow for proper installation of the play surfacing. Work includes the removal of existing wood chips, base, subgrade, storm drain or subdrain pipe in conflict of new improvements for the installation of the aggregate base fill.

**SP15-01 PAYMENT**

No separate payment shall be made for furnishing aggregate base and conforming to the provisions in this section for the various items of work requiring aggregate base except for “Aggregate Base Fill”.

The contract price paid per cubic yard for "**Aggregate Base Fill in Play Area**" shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals necessary to remove and dispose of existing wood chips and to furnish, install, grade, compact and protect new Class 2 Aggregate base as required to install the proposed play surfacing and equipment as shown on the Plans, specified in these Special Provisions, and as directed by the Engineer; and no additional compensation shall be allowed therefor.

**SPECIAL PROVISIONS SECTION SP-16**  
**HOT MIX ASPHALT (ASPHALT CONCRETE)**  
(BID ITEM NO. 19)

The provisions of Section 9 – “Asphalt Concrete,” of the Technical Provisions of the Standard Specifications, shall apply in their entirety, except as modified or supplemented herein.

**SP16-01 ASPHALT CONCRETE PAVEMENT**

Asphalt concrete shall be Type A Hot Mix Asphalt (HMA), 1/2-inch maximum size aggregate for finish course, PG64-10 Asphalt. Contractor’s attention is directed to the HMA (AC) Pathway detail on the Project Plans. Contractor shall install the HMA and Aggregate Base section with header board as shown on the Plans and as specified herein.

Contractor shall not place the uppermost layer of new asphalt concrete pavement until all underlying conduits and any other underground facility have been installed. Finish Course over all areas to be paved shall be constructed as a single course between 0.17’ and 0.25’ in depth, conforming to design finish elevations as shown on the Plans.

**SP16-02 MEASUREMENT AND PAYMENT**

The contract unit price paid per ton for the various courses of “**Asphalt Concrete Pathway**” shall be considered as full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals to complete the necessary work, including but not limited to- providing a grade-setter; sawcutting, mechanical sweeping of the existing pavement; installing a tack coat binder if required; installing header boards and aggregate base; furnishing transporting, placing, spreading and compacting asphalt concrete; constructing, maintaining, removing, and disposing of temporary asphalt concrete ramps when required; mechanical sweeping; any necessary corrective measures to each pavement course; and all other work as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

**SPECIAL PROVISIONS SECTION SP-17**  
**CONCRETE CONSTRUCTION**  
(BID ITEM NO. 20-24)

The provisions of Section 17 – “Concrete Construction” of the Technical Provisions of the Standard Specifications, shall apply in their entirety, except as modified or supplemented herein.

**SP17-01 GENERAL**

Concrete curbs, curb and gutters, sidewalks, curb ramps, and walls shall be constructed of Portland Cement Concrete of the class and other requirements prescribed in Section 17 of the Technical Provisions of the Standard Specifications, and shall conform to the latest applicable Caltrans and Contra Costa County (CCC) Public Works Department Standard Plans and Details unless otherwise specified or modified by Contract Documents.

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All new concrete construction shall include installation of a subbase consisting of a minimum six (6)-inch-thick layer of Class 2 aggregate base, conforming to SP-15, compacted to 95% relative compaction unless shown otherwise on Plans or directed otherwise by the Engineer.

At locations shown on the Plans where new curb and gutter, sidewalk, and curb ramps are constructed to join with existing concrete facilities, the Contractor shall install eighteen (18) inch long No. 4 rebar dowels. The dowels shall be placed at 12 inches on center in drilled holes at least six (6) inches into the existing concrete.

Unless specifically indicated otherwise, concrete for Contract Items shall be Class 564-C-3250, maximum four (4)-inch slump except as specified below for slurry backfill and concrete base for pavers.

Concrete work shall not be backfilled within seventy-two (72) hours of placement, unless otherwise directed by the Engineer.

Before placing concrete, Contractor shall verify that forms and site constraints allow construction to the required dimensioning and slopes shown. Contractor shall immediately notify the Engineer if site conditions will not accommodate the design details.

Void spaces along the back of new concrete curbs and similar constructions, such as those created by form work, shall be backfilled to match existing surrounding material. This material is typically topsoil, gravel or base rock. Fill material shall be placed and compacted to the top of the new concrete improvements and sloped at a maximum of 3:1 (33%) to conform to the existing terrain. The fill material shall be compacted to 90% relative compaction.

Contractor's attention is directed to requirements for conform paving adjacent to curb and/or gutter, as shown on the Plans. Conform paving shall conform to SP-16 and shall be included in the measurement and payment for the concrete curb and gutter.

All new curb ramps shall include detectable warning surfaces (detectable panels) conforming to the referenced Standard Plans. Detectable surface panels shall be the color onyx black and shall be wet set monolithically with the ramp construction in accordance with manufacturer's instructions. Contractor shall submit a six (6)-inch square sample of the product to be provided, along with the manufacturer's product data and "cut-sheets" for review and approval prior to ordering. The detectable warning surface shall conform to:

- a. Americans with Disabilities Act (ADA) Title III Regulations, 28 CFR Part 36 "ADA Standards For Accessible Design," Appendix A, Section 4.29 for "Detectable Warnings."
- b. Division of the State Architect - Access Compliance (DSA-AC) approved detectable warning products as provided in the California Code of Regulations (CCR) Title 24, Part 2, Section 205 definition of "Detectable Warning."

City may accept products from ADA solutions (800-372-0519), Answer Industries (909-230-4064), and Armor-Tile (916-844-4132).

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**SP17-02 STRUCTURAL CONCRETE**

“10” Concrete Retaining Wall with 42” Black Vinyl Coated Chain Link Fence” shall conform to the provisions of Section 51, “Concrete Structures,” Section 52, “Reinforcement,” and Section 90, “Concrete,” of the State Specifications and these Special Provisions. See Section 13-02 “Structure Excavation” of these Special Provisions and See Section 22 “Miscellaneous Items” for Chain Link Fence Details. Contractor’s attention is also directed to the detail for Concrete Retaining Wall and Chain Link Fence Details on the Project Plans.

Work shall include, but not be limited to, excavation, removal, off-haul, and compaction of earth material, backfill (if necessary), placement of steel reinforcement and portland cement concrete for the construction of the retaining wall, and installation of 42” Chain Link Fence.

Concrete shall be placed monolithically.

**SP17-03 MEASUREMENT AND PAYMENT**

The contract prices paid per linear foot for “Concrete Curb & Gutter”, “6” Concrete Retaining Curb”, “10” Concrete Curb for Play Area”, “10” Concrete Retaining Wall with 42” Black Vinyl Coated Chain Link Fence”, and per square foot (SF) for “Concrete Curb Ramp with Detectable Panel” shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals for doing all work involved in constructing concrete curbs, curb and gutters, walls, and ramp including, but not limited to, sawcutting; excavation; loading; off-hauling; disposal; forming; dewatering; backfill; steel plates; reinforcement; dowels; aggregate base; compaction; grading to drain; concrete; finishing; score-marks and weakened plane joints, truncated dome detectable warning surfaces; and all other work necessary to construct the facilities complete, in place as shown on the plans as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer and no additional compensation shall be allowed therefor.

“Concrete Curb Ramp with Detectable Panel” shall be measured as the ramp area defined by the groove line and inclusive of the detectable panel. The retaining curb associated with a curb ramp if required shall not be paid separately as a curb item. The curb and gutter in front of the ramp shall be excluded from the ramp measurement and included in the quantity for concrete curb and gutter.

**SPECIAL PROVISIONS SECTION SP-18**

**STORM DRAINS**

(BID ITEM NO. 25-26)

The provisions of Section 18 – “Storm Drains” of the Technical Provisions of the Standard Specifications, shall apply in their entirety except as modified or supplemented herein.

**SP18-01 GENERAL**

Storm drain piping, cleanouts and trenching shall conform to the details shown on the contract plans. Contractor’s attention is directed to the new 4” subdrain that is to be installed along the westerly edge of the proposed play area. Contractor shall locate the existing storm drain system prior to the construction

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of new storm drain and review new storm drain clean out invert grades with the City's Representative per the Project Plans.

The 4" Perforated PVC Subdrain shall be SDR-35 Pipe, and trenching shall be as shown on the Plans which includes filter fabric per Section 18 of the Standard Specifications and Class 2 Permeable Material shall be per Caltrans Standard Specifications, and as approved by the Engineer.

Contractor's attention is directed to the Storm Drain Cleanout Detail on the Project Plans. Concrete for storm drain related work shall conform to the requirements of SP-17 of these Special Provisions.

**SP18-02 MEASUREMENT AND PAYMENT**

The price paid per linear foot for **"4" Perforated PVC Subdrain Pipe"**, shall be considered full compensation for all labor, materials, tools, equipment, and incidentals, to do all of the work, including but not limited to – potholing utilities, sawcutting, excavations of the trench; the control of ground and surface waters; sheeting and shoring per OSHA requirements (if required), the preparation of subgrade; the removal of interfering portions of existing storm drains and other improvements; the capping or removing of abandoned pipes, conduit and structures; placing and joining pipes with various fittings, core drilling, concrete collar, bedding and backfilling the trench, filter fabric, compaction; placing, maintaining, and removing temporary asphalt concrete surfacing; permanent resurfacing; coordination with, protecting, and supporting existing utilities; and all other work necessary to install the pipe system complete in place as shown on the Contract Plans, as specified in the Contract Specifications, and as directed by the Engineer.

No adjustment in the contract unit price shall be made for raising the pipe grade by any amount or lowering of the pipe by (12) twelve inches or less.

The contract prices paid per each for **"Storm Drain Cleanout"** shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals for doing all work involved in constructing the cleanout including, but not limited to, excavation, dewatering, backfill, steel plates, pipe, cover, box, bedding, concrete, regrading and all other work necessary to construct it, in place as shown on the Contract Plans, as specified in the Contract Specifications, and as directed by the Engineer.

**SPECIAL PROVISIONS SECTION SP-19**

**LANDSCAPE IRRIGATION**

(NO BID ITEM)

**SP19-01 DESCRIPTION**

Contractor shall protect existing irrigation system. Should adjustments have to be made for the new improvements, Contractor shall adjust the irrigation system per Section 19 "Landscape Irrigation" of the Technical Provisions of the Standard Specifications and as directed by the Engineer.

Protection and adjustment of irrigation shall not be measured and paid for separately. Compensation for this work shall be included the compensation for the various contract items of work.

**SPECIAL PROVISIONS SECTION SP-20**

**LANDSCAPING**  
(NO BID ITEM)

**SP20-01 GENERAL**

The provisions of Section 20 'Landscaping' of the Technical Provisions of the Standard Specifications shall apply in their entirety except as modified or supplemented herein. Adhere to the requirements of the Section 4 of the General Provisions of the Standard Specifications.

This work shall consist of protecting existing landscaping and trees as shown on the Plans and directed by the Engineer.

Protection of existing landscaping and irrigation shall not be measured and paid for separately. Compensation for this work shall be included the compensation for the various contract items of work.

**SPECIAL PROVISIONS SECTION SP-21**

**PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS**  
(NO BID ITEM)

The provisions of Section 22 "Protection and Restoration of Existing Improvements" of the Technical Provisions of the Standard Specifications, shall apply in their entirety.

**SPECIAL PROVISIONS SECTION SP-22**

**MISCELLANEOUS ITEMS**  
(BID ITEM 27-35)

**SP 22-01 GENERAL**

The provisions of Section 23 – Other Technical Provisions of the Technical Provisions of the Standard Specifications, shall apply in their entirety.

Contractor's attention is directed to the details and specifications provided on the Contract Plans and in the Appendix to these Special Provisions for the new fencing, gates, park furnishings, play equipment and play surfacing.

**SP 22-02 Black Vinyl Coated Chain Link Fencing and Gates**

**General**

The items of work requiring Chain Link Fence and Gates include "42" Black Vinyl Coated Fence in Ex. Concrete Curb", "32" Black Vinyl Coated Fence Fabric", and "32" Black Vinyl Coated Fence Gate". Chain Link Fencing will also be installed in new Concrete Retaining Wall as provided for in Section SP-17-02 Structural Concrete herein. All Chain Link Fencing and Gates shall conform to the following specifications and details shown on the Project Plans.



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Contractor shall submit the following for approval by the Engineer prior to the start of construction:

1. Shop drawings of the layout of new fences with dimensions, details, and finishes of components, accessories, and post foundations, if required.
2. Contractor shall submit product data including manufacturer's catalog cuts indicating material compliance and specified options.
3. Samples: Samples of materials (e.g., fabric, wires, color, and accessories).

All new fence components shall be black. And all existing fence posts to remain shall be painted black as specified elsewhere in these specifications.

**Products**

Following are product requirements for items of work including the installation of new fencing, gates and fencing fabric.

**1. CHAIN LINK FENCE FABRIC**

- A. Black vinyl coated galvanized wire: Galvanized fabric shall be galvanized after weaving with a minimum of 1.2 ounces of zinc per square foot of surface area and conform to ASTM A 392, Class 1.
- B. Size: Fabric shall be 9-gage wire woven in a 1-inch diamond mesh.
- C. Selvage of fabric knuckled at top and knuckled at bottom.

**2. STEEL FENCE FRAMING (painted black by manufacture for new components and on site by Contractor for existing components)**

- A. Steel pipe - Type I: ASTM F 1083, standard weight schedule 40; minimum yield strength of 25,000 psi; sizes as indicated. Hot-dipped galvanized with minimum average 1.8 oz/ft<sup>2</sup> of coated surface area.
- B. End and Corner Post: see project plans  
Line (intermediate): see project plans  
Rail and Braces: see project plans

**3. ACCESSORIES (painted black by manufacture)**

- A. Chain link fence accessories: [ASTM F 626] Provide items required to complete fence system. Galvanize each ferrous metal item and finish to match framing.
- B. Post caps: Formed steel, cast malleable iron, or aluminum alloy weathertight closure cap for tubular posts. Provide one cap for each post. Provide tops to permit passage of top rail.

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- C. Top rail and brace rail ends: Pressed steel per ASTM F626, for connection of rail and brace to terminal posts.
- D. Top rail sleeves: 7" expansion sleeve with spring, allowing for expansion and contraction of top rail.
- E. Wire ties: 9 gauge [0.148"] galvanized steel wire for attachment of fabric to line posts. Double wrap 13 gauge [0.092"] for rails and braces. Hog ring ties of 12-1/2 gauge [0.0985"] for attachment of fabric to tension wire.
- F. Brace and tension (stretcher bar) bands: Pressed steel. At square post provide tension bar clips.
- G. Tension (stretcher) bars: Install per manufacturer's recommendations.
- H. Tension wire: Galvanized coated steel wire, 7 gauge, [0.177"] diameter wire with tensile strength of 75,000 psi.
- I. Truss rods & tightener: Steel rods with minimum diameter of 5/16". Capable of withstanding a tension of minimum 2,000 lbs.
- J. Nuts and bolts are galvanized.

**4. SETTING MATERIALS**

- A. Concrete: Minimum 28 day compressive strength of 3,000 psi.

**Execution**

Contractor shall conform to the following provisions during the installation of new fencing, gates or fencing fabric and conform to the details provided on the Project Plans.

**1. EXAMINATION**

- A. Verify areas to receive fencing are completed to final grades and elevations.
- B. Ensure property lines and legal boundaries of work are clearly established.
- C. Arrange for and verify that underground utilities have been marked.

**2. CHAIN LINK FENCE FRAMING INSTALLATION**

- A. Install chain link fence in accordance with ASTM F567, "Standard Practice for Installation of Chain-Link Fence", and manufacturer's instructions.
- B. Locate terminal post at each fence termination and change in horizontal or vertical direction of 30° or more.

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- C. Space line posts uniformly as noted on plans.
- D. Concrete set terminal posts: Drill holes in firm, undisturbed or compacted soil. Holes shall have diameter 4 times greater than outside dimension of post, minimum 12" dia. Excavate deeper as required for adequate support in soft and loose soils, and for posts with heavy lateral loads. Spoils not used to fill holes from the removal of existing fence shall be removed from site. Place concrete around posts in a continuous pour. Trowel finish around post. Slope to direct water away from posts.
- E. Check each post for vertical and top alignment, and maintain in position during placement and finishing operations.
- F. Bracing: Install horizontal pipe brace at mid-height on each side of terminal posts. Firmly attach with fittings. Install diagonal truss rods at these points. Adjust truss rod, ensuring posts remain plumb.
- G. Tension wire: Provide tension wire at bottom of fabric. Install tension wire before stretching fabric and attach to each post with ties. Secure tension wire to fabric with 12-1/2 gauge [0.0985"] hog rings 24" on center.
- H. Top rail: Install lengths, 21'. Connect joints with sleeves for rigid connections for expansion/contraction.

**3. CHAIN LINK FABRIC INSTALLATION**

- A. Fabric: Install fabric on field side of posts except where indicated on plans and attach so that fabric remains in tension after pulling force is released. Leave no space between finish grade and bottom selvage. Attach fabric with wire ties to line posts at 15" on center and to rails, braces, and tension wire at 24" on center.
- B. Tension (stretcher) bars: Pull fabric taut; fasten to posts per manufacturer's recommendations.

**4. ACCESSORIES**

- A. Tie wires: Bend ends of wire to minimize hazard to persons and clothing.
- B. Fasteners: Install nuts on side of fence opposite fabric side for added security.

**5. CLEANING**

- A. Clean up debris and unused material, and remove from the site.

**SP 22-03 Park Furnishings – Black Metal Bench, Picnic Table with ADA Access, Install Trash & Recycle Receptacle Provided by City, Bottle Filler**

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**General**

Contractor's attention is directed to the Plans which show locations of new Benches, a Picnic Table and Trash & Recycle Receptacles and Bottle Filler to be installed.

Contractor shall submit evidence of successful installation history with comparable products.

Coordinate with manufacturer on logo placement prior to order. Confirm logo placement with City's Representative.

Install site furnishings level, plumb, true, and securely anchored and/or positioned at locations indicated on Drawings

**1. PRODUCTS (SEE APPENDIX FOR PRODUCT DATA SHEETS & PLANS FOR MORE DETAILS)**

Contractor shall provide products provided in the Appendix or approved equal for the following items of work. Contractor shall provide furnishing submittals including product data and color chips prior to the start of construction for the Engineer to review and approve.

Contractor shall deliver products to the site in manufacturer's original, unopened containers and packaging. Upon delivery, examine packages immediately to ensure all products are complete and undamaged. Contractor shall store products in a protected, dry area in manufacturer's unopened containers and packaging. Contractor shall protect product's finish from damage during handling and installation.

Contractor shall coordinate installation with site work and other appropriate section of the specification to maintain proper provisions of the work specified. All site furnishings shall be laid out in the field and approved prior to installation.

**A. Black Metal Bench**

- a. Manufacturer: Victor Stanley, Inc. (or approved equal)
- b. Type: RB-28 from Steelsites RB Series, 6 feet wide
- c. Color: Black
- d. Contact: 310 855 8300, [sales@victorstanley.com](mailto:sales@victorstanley.com), <http://victorstanley.com>

Contractor's attention is directed to the Victor Stanley Bench specifications provided in the Appendix. Contractor shall furnish 6-foot wide black metal bench from Victor Stanley, Type RB-28 from the Steelsites RB Series, or approved equal.

Bench Materials shall be steel slats formed from ¼" x 1-1/2" solid steel bars; steel slats are welded to cross members of 1-5/16" tubular steel; 3/8"x1" solid steel support bars; ½"x2" solid steel end units. Benches shall be 6 feet wide, with armrests, matching full center legs and black.

All fabricated metal components are steel shotblasted, etched, phosphatized, preheated, and electrostatically powder-coated with TGIC polyester powder coatings. Products are fully cleaned and pretreated, preheated and coated while hot to fill crevices and build coating film. Coated parts are fully cured to coating manufacturer's specifications. The thickness of the resulting finish coat averages 8-10 mils.

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Installation shall be per manufacture's recommendations, specification, standard details and as approved by the Engineer. Clearance for ½" anchor bolts, and mounting is not recommended to locate anchor bolts until bench is in place. The bench must be permanently affixed to the ground.

**B. Picnic Table with ADA Access**

- a. East Bay Regional Park District, Wood Picnic Table (or approved equal)
- b. Standard Plan 504 "Wood Picnic Table" Included in Appendix

Contractor's attention is directed to the East Bay Regional Park District Picnic Table Detail provided in the Appendix. Picnic table and installation shall conform to the details provided in the Appendix and as approved by the Engineer.

**C. Trash & Recycle Receptacle – To be provided by the City and Installed by the Contractor.**

Contractor shall install on new concrete pads with bolts embedded to surface mount the receptacles in place. Concrete Pads to be installed by the Contractor as shown on the plans, and as directed by the City and per these Special Provisions. Contractor shall install recycling label on appropriate can as directed by the City.

**D. Bottle Filler**

- a. Manufacturer: Most Dependable Fountains Inc. (MDF) (or approved equal)
- b. Model: 10145SM & 10145 with pet fountain
- c. Color: Black
- d. Contact: MDF (800) 552-6331, [www.mostdependable.com](http://www.mostdependable.com)

Contractors attention is directed to the Bottle Biller Specifications for the MDF Bottle Filler with pet fountain in the Appendix to these Special Provisions. Contractor shall furnish and install MDF Bottle Filler Model 10145SM & 10145 with pet fountain or approved equal, as directed by the Engineer and as provided by the Manufacture's specifications and instructions. Bottle Filler shall be surface mounted.

Contractor shall connect to existing water and sewer connections as required by the Manufacturer and approved by the Engineer.

**2. MATERIALS**

- a. Aluminum: Alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated; free of surface blemishes and complying with the following:
  - 1. Rolled or Cold-Finished Bars, Rods, and Wire: ASTM B 211.
  - 2. Extruded Bars, Rods, Wire, Profiles, and Tubes: ASTM B 221.
  - 3. Structural Pipe and Tube: ASTM B 429/B 429M.
  - 4. Sheet and Plate: ASTM B 209.
  - 5. Castings: ASTM B 26/B 26M.

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- b. Steel and Iron: Free of surface blemishes and complying with the following:
  - 1. Plates, Shapes, and Bars: ASTM A 36/A 36M.
  - 2. Steel Pipe: Standard-weight steel pipe complying with ASTM A 53/A 53M, or electric-resistance-welded pipe complying with ASTM A 135/A 135M.
  - 3. Tubing: Cold-formed steel tubing complying with ASTM A 500/A 500M.
  - 4. Mechanical Tubing: Cold-rolled, electric-resistance-welded carbon or alloy steel tubing complying with ASTM A 513, or steel tubing fabricated from steel complying with ASTM A 1011/A 1011M and complying with dimensional tolerances in ASTM A 500/A 500M; zinc coated internally and externally.
  - 5. Sheet: Commercial steel sheet complying with ASTM A 1011/A 1011M.
  - 6. Expanded Metal: Carbon-steel sheets, deburred after expansion, and complying with ASTM F 1267.
  - 7. Malleable-Iron Castings: ASTM A 47/A 47M, grade as recommended by fabricator for type of use intended.
  - 8. Gray-Iron Castings: ASTM A 48/A 48M, Class 200.
- c. Stainless Steel: Free of surface blemishes and complying with the following:
  - 1. Sheet, Strip, Plate, and Flat Bars: ASTM A 666.
  - 2. Pipe: Schedule 40 steel pipe complying with ASTM A 312/A 312M.
  - 3. Tubing: ASTM A 554.
- d. Plastic: Color impregnated, color and UV-light stabilized, and mold resistant.
- e. Anchors, Fasteners, Fittings, and Hardware: Stainless steel or manufacturer's standard, corrosion-resistant-coated or noncorrodible materials; commercial quality.
  - 1. Angle Anchors: For inconspicuously bolting legs of site furnishings to on-grade substrate; extent as indicated.
- f. Galvanizing: Where indicated for steel and iron components, provide the following protective zinc coating applied to components after fabrication:
  - 1. Zinc-Coated Tubing: External, zinc with organic overcoat, consisting of a minimum of **0.9 oz./sq. ft.** of zinc after welding, a chromate conversion coating, and a clear, polymer film. Internal, same as external or consisting of 81 percent zinc pigmented coating, not less than **0.3 mil** thick.
  - 2. Hot-Dip Galvanizing: According to ASTM A 123/A 123M, ASTM A 153/A 153M, or ASTM A 924/A 924M.

**3. FABRICATION**

- a. Metal Components: Form to required shapes and sizes with true, consistent curves, lines, and angles. Separate metals from dissimilar materials to prevent electrolytic action.
- b. Welded Connections: Weld connections continuously. Weld solid members with full-length, full-penetration welds and hollow members with full-circumference welds. At exposed

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connections, finish surfaces smooth and blended so no roughness or unevenness shows after finishing and welded surface matches contours of adjoining surfaces.

- c. Pipes and Tubes: Form simple and compound curves by bending members in jigs to produce uniform curvature for each repetitive configuration required; maintain cylindrical cross section of member throughout entire bend without buckling, twisting, cracking, or otherwise deforming exposed surfaces of handrail and railing components.
- d. Exposed Surfaces: Polished, sanded, or otherwise finished; all surfaces smooth, free of burrs, barbs, splinters, and sharpness; all edges and ends rolled, rounded, or capped.
- e. Factory Assembly: Assemble components in the factory to greatest extent possible to minimize field assembly. Clearly mark units for assembly in the field.

ALUMINUM FINISHES

- f. Baked-Enamel, Powder-Coat Finish: Manufacturer's standard, baked, polyester, powder-coat finish complying with finish manufacturer's written instructions for surface preparation, including pretreatment, application, baking, and minimum dry film thickness.

STEEL AND GALVANIZED-STEEL FINISHES

- g. Baked-Enamel, Powder-Coat Finish: Manufacturer's standard, baked, polyester, powder-coat finish complying with finish manufacturer's written instructions for surface preparation, including pretreatment, application, baking, and minimum dry film thickness.
- h. PVC Finish: Manufacturer's standard, UV-light stabilized, mold-resistant, slip-resistant, matte-textured, dipped or sprayed-on, PVC-plastisol finish, with flame retardant added; complying with coating manufacturer's written instructions for pretreatment, application, and minimum dry film thickness.

IRON FINISHES

- i. Baked-Enamel, Powder-Coat Finish: Manufacturer's standard, baked, polyester, powder-coat finish complying with finish manufacturer's written instructions for surface preparation, including pretreatment, application, baking, and minimum dry film thickness.

STAINLESS-STEEL FINISHES

- j. Surface Preparation: Remove tool and die marks and stretch lines, or blend into finish.

**SP 22-04 Playground Synthetic Grass Surfacing**

**GENERAL**

Contractor shall install synthetic grass play surfacing as shown on the Plans and as specified herein. Play surfacing shall be installed after the play equipment has been installed as shown on the Plans.

Approved Manufacturer: FieldTurf USA, Inc. 175 N. Industrial Blvd, Calhoun, GA 30701 (or approved equal)

Approved Distributor: EasyTurf, Inc. 2750 La Mirada Drive, Vista, CA 92051(or approved equal);  
Contact - Director of Contracting and Specifications at (573) 356-7355.

Contractor shall furnish all labor, materials, tools and equipment necessary for the complete installation of a playground protective synthetic grass surfacing system that meets the requirements of ASTM F 1292-09 and IPEMA Certification of conformance as a safe public play surface as indicated on the plans and as specified herein; including components and accessories required for a complete installation, including but not limited to:

1. Acceptance of prepared sub-base.
2. Coordination with related trades to ensure a complete, integrated, and timely installation: aggregate base course, sub-base material (tested for permeability), grading and compacting, piping and drain components (when required) and play equipment installation as provided under its respective trade section.

**REFERENCE STANDARDS**

- a. ASTM – American Society for Testing and Materials.
  1. D1577 - Standard Test Method for Linear Density of Textile Fiber.
  2. D5848 - Standard Test Method for Mass Per Unit Area of Pile Yarn Floor Covering.
  3. D1338 - Standard Test Method for Tuft Bind of Pile Yarn Floor Covering.
  4. D1682 - Standard Method of Test for Breaking Load and Elongation of Textile Fabrics.
  5. D5034 - Standard Test Method of Breaking Strength and Elongation of Textile Fabrics (Grab Test).
  6. D4491 - Standard Test Methods for Water Permeability of Geotextiles by Permittivity.
  7. F1292-09 - Standard Test Method for Impact Attenuation or Critical Fall Height of Surfacing Materials Under and Around Playground Equipment.
  8. D2859 - Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials.
- b. IPEMA – International Play Equipment Manufacturers Association
  1. Public Play Surfacing Certified to ASTM F1292-09 - Standard Test Method for Impact Attenuation or Critical Fall Height of Surfacing Materials Under and Around Playground Equipment.

**PERFORMANCE REQUIREMENTS**

- a. Completed playground protective synthetic grass surfacing system shall be capable of meeting the following performance requirements:



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1. IPEMA Public Play Surfacing Certified.
2. ASTM F1292-09: Impact attenuation. Playground protective surface shall meet performance requirements for the impact attenuation of playground surfacing materials installed within the use zone of playground equipment, as specified by Architect.
3. ASTM D4491: Water permeability test. Synthetic grass surface shall drain at a rate of 250 inches or more, of water per hour.
4. ASTM D1338: Tuft bind. Synthetic grass surfacing shall have a tuft bind, without infill material of 8 pounds or more.

**SUBMITTALS**

- a. Substitutions: Other products are acceptable if in compliance with all requirements of these specifications. Submit alternate products to City for approval.
  1. Provide substantiation that proposed system does not violate any other manufacturer's patents, patents allowed or patents pending.
  2. Provide a sample copy of insured, non-prorated warranty and insurance policy information.
- b. Product Data:
  1. Submit manufacturer's catalog cuts, material safety data sheets (MSDS), brochures, specifications; preparation and installation instructions and recommendations.
  2. Submit fiber manufacturer's name, type of fiber and composition of fiber.
  3. Submit shock absorbing pad manufacturer's name.
  4. Submit data in sufficient detail to indicate compliance with the contract documents.
  5. Submit manufacturer's instructions for installation.
  6. Submit manufacturer's IPEMA Certificate to indicate compliance with certified public play surfacing.
- c. Samples: Submit samples, illustrating details of finished product in amounts as required by General Requirements, or as requested by Architect.
- d. List of existing installations: Submit list including respective Owner's representative and telephone number.
- e. Warranties: Submit warranty and ensure that forms have been completed in Owner's name and registered with approved manufacturer.

**QUALITY ASSURANCE**

- a. Manufacturer Qualifications: Engaged in manufacturing synthetic grass surfacing products for a minimum of fifteen (15) years.
  1. The Manufacturer shall be experienced in the manufacturing and installation of specified type of playground protective synthetic grass surfacing system. This includes use of a ridged monofilament fiber, texturized monofilament fiber, backing, the backing coating, shock absorbing playground pad and the installation method.
  2. The Manufacturer shall own and operate its own manufacturing plant. Manufacturing the fiber, tufting of the fibers into the backing materials and coating of the synthetic grass system must be done in-house by manufacturer.

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3. The Manufacturer must hold ISO 9001, ISO 14001 and OHSAS 18001 certifications demonstrating its manufacturing efficiency with regards to quality, environment and safety management systems.
  4. The Manufacturer must hold IPEMA certification for specified synthetic grass product.
- b. Installer/Contractor Qualifications: Company shall specialize in performing the work of this section.
1. The Company shall provide competent workmen skilled in this specified type of playground protective synthetic grass system installation.
  2. The designated Supervisory Personnel on the project shall be certified, in writing by the manufacturer, as competent in the installation of specified type of synthetic grass system, including gluing seams and proper installation of the shock absorbing playground pad and infill material.
  3. The Company shall be certified by the manufacturer and licensed (if required).
- c. Pre-Installation Conference: Conduct conference at project site at time to be determined by City. Review methods and procedures related to installation including, but not limited to, the following:
1. Inspect and discuss existing conditions and preparatory work performed under other contracts.
  2. In addition to the Contractor and the installer, arrange for the attendance of installers affected by the Work, The Owner's representative, and the City.
- d. The Installer/Contractor shall verify special conditions required for the installation of the playground protective synthetic grass system if required.
- e. The Installer/Contractor shall notify the City of any discrepancies.

**DELIVERY, STORAGE, AND HANDLING**

- a. Deliver and store components with labels intact and legible.
- b. Store materials/components in a secure manner, under cover and elevated above grade.
- c. Protect from damage during storage, handling and installation. Protect from damage by other trades.
- d. Inspect all delivered materials and products to ensure they are undamaged and in good condition.

**SEQUENCING AND SCHEDULING**

- a. Coordinate the Work with installation of work of related trades as the Work proceeds.
- b. Sequence the Work in order to prevent deterioration of the sub-base and the installed system.

**WARRANTY**

- a. The Installer/Contractor shall provide a warranty to the Owner that covers defects in materials and workmanship of the synthetic grass product for a period of eight (8) years from the date of completion. The synthetic grass manufacturer must verify that their representative has inspected the installation and that the work conforms to the manufacturer's requirements.

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The manufacturer's warranty shall include general wear and damage caused from UV degradation. The warranty shall specifically exclude vandalism, and acts of God beyond the control of the Owner or the manufacturer. The warranty shall be fully third party insured; pre-paid for the entire 8 year term and be non-prorated. The Installer/Contractor shall provide a warranty to the Owner that covers defects in the installation workmanship, and further warrant that the installation was done in accordance with both the manufacturer's recommendations and any written directives of the manufacturer's representative. The insurance policy must be underwritten by an "AM Best" A rated carrier and must reflect the following values:

1. Pre-Paid 8-year insured warranty.
2. Maximum per claim coverage amount of \$32,000,000.
3. Minimum of thirty-two million dollar (\$32,000,000) annual aggregate.
4. Must cover full 100% replacement value of total square footage installed.
5. Policies that include self-insurance or self-retention clauses shall not be considered.
6. Policy cannot include any form of deductible amount.
7. Sample policy must be provided at time of bid to prove that policy is in force. A letter from an agent or a sample Certificate of Insurance will not be acceptable.

**PRODUCTS**

A. MANUFACTURERS AND DISTRIBUTORS

- a. Approved Manufacturer: FieldTurf USA, Inc. 175 N. Industrial Blvd, Calhoun, GA 30701 (or approved equal)
- b. Approved Distributor: EasyTurf, Inc. 2750 La Mirada Drive, Vista, CA 92051  
Contact: Director of Contracting and Specifications at (573) 356-7355. (or approved equal)

B. MATERIALS AND PRODUCTS

- a. Playground Protective Synthetic Grass Surfacing system shall consist of the following:
  1. Synthetic grass surfacing made with a combination of ridged monofilament polyethylene fibers and texturized monofilament fibers, tufted into a fibrous, non-perforated, porous backing.
  2. Shock absorbing playground pad.
  3. Anchoring device to secure perimeter edge of synthetic grass.
  4. Infill: Graded dust-free silica sand that partially covers the synthetic grass. Graded dust-free acrylic coated silica sand may be substituted for silica sand as requested by Architect.
  5. Glue, thread, seaming fabric and other materials used to install and mark the synthetic grass.

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b. Synthetic grass surfacing system shall have the following properties:

<u>Standard</u>	<u>Property</u>	<u>Specification</u>
ASTM D1577	Fiber Denier	10800
ASTM D1577	Secondary Fiber Denier	5600
ASTM D5823	Pile Height	1.625"
ASTM D5793	Stitch Gauge	3/8"
ASTM D5848	Pile Weight	65 oz/square yard
ASTM D5848	Primary Backing	7 oz/square yard
ASTM D5848	Secondary Backing	20 oz/square yard
ASTM D5848	Total Weight	92 oz/square yard
ASTM D1338	Tuft Bind (Without Infill)	9 lbs
ASTM D4491	Turf Permeability	250 inches/hour
N/A	Infill Component	2.75 lbs/square foot

c. Synthetic grass surfacing product shall consist of soft spined monofilament fibers and texturized monofilament fibers tufted into a primary backing with a secondary backing.

d. Backing:

1. Primary backing shall be a double-layered polypropylene fabric treated with UV inhibitors.
2. Secondary backing shall consist of an application of porous urethane to permanently lock the fiber tufts in place.
3. Perforated (with punched holes), backed turf is unacceptable.
4. Turf with attached scrim in lieu of porous urethane is unacceptable.

e. Primary fiber shall be 10,800 denier, low friction, and UV-resistant fiber measuring not less than 1.625 inches high. Secondary fiber shall be 5,600 denier.

f. Shock absorbing playground pad shall be manufactured from recycled, non-contaminated postindustrial cross link, closed cell polyethylene foam. Pad should drain vertically and laterally without absorbing water or other liquids. Shock absorbing pad in 2.125" and a Double Layer of 2.125" pad measuring a total of 4.250" to meet specified use zone critical fall height requirements as requested by Architect.

g. Synthetic grass surfacing shall be anchored into an exterior grade nailer strip: pressure treated lumber or approved composite board.

h. Infill materials shall be approved by the manufacturer.

1. Infill shall consist of graded dust-free silica sand. Graded dust-free acrylic coated silica sand or volcanic ash may be substituted for silica sand as requested by Architect.

i. Glue and seaming fabric, for seaming of synthetic grass shall be as recommended by the synthetic grass manufacturer.

C. QUALITY CONTROL IN MANUFACTURING

a. The manufacturer shall own and operate its own manufacturing plant in North America. Both

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- tufting of the fibers into the backing materials and coating of the turf system must be done in-house by the synthetic grass manufacturer. Outsourcing of either is unacceptable.
- b. The manufacturer shall have full-time certified in-house inspectors at their manufacturing plant that are experts with industry standards.
  - c. The manufacturer's full-time in-house certified inspectors shall perform pre-tufting fiber testing on tensile strength, elongation, tenacity, and denier, upon receipt of fiber spools from fiber manufacturer.
  - d. Primary backing shall be inspected by the manufacturer's full-time certified in-house inspectors before tufting begins.
  - e. The manufacturer's full-time in-house certified inspectors shall verify "pick count", yarn density in relation to the backing, to ensure the accurate amount of face yarn per square inch.
  - f. The manufacturer's full-time, in-house, certified inspectors shall perform product inspections at all levels of production including during the tufting process and at the final stages before the synthetic grass is loaded onto the truck for delivery.
  - g. The manufacturer shall have its own, in-house laboratory where samples of synthetic grass are retained and analyzed, based on standard industry tests, performed by full-time, in-house, certified inspectors.

**EXECUTION**

**A. EXAMINATION**

- a. Verify that all sub-base leveling is complete prior to installation.
- b. Installer/Contractor shall examine the surface to receive the shock absorbing playground pad and accept the sub-base planarity in writing prior to the beginning of installation.
  - 1. Acceptance is dependent upon the Owner's test results indicating compaction and planarity are in compliance with manufacturer's specifications.
  - 2. The surface shall be accepted by Installer as "clean" as installation commences and shall be maintained in that condition throughout the process.
- c. Compaction of the aggregate base shall be a minimum of 90%, in accordance with ASTM D1557 (Modified Proctor procedure); and the surface tolerance shall not exceed 0-1/4 inch over 10 feet and 0-1/2 inch from design grade.
- d. Correct conditions detrimental to timely and proper completion of Work.
- e. Do not proceed until unsatisfactory conditions are corrected.
- f. Beginning of installation means acceptance of existing conditions.

**B. PREPARATION**

- a. Prior to the beginning of installation, inspect the sub-base for tolerance to grade.
- b. Sub-base acceptance shall be subject to receipt of test results (by others) for compaction and

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planarity that sub-base is in compliance with manufacturer's specifications and recommendations.

- c. When requested by City, installed sub-base shall be tested for porosity prior to the installation of the synthetic grass system. A sub base that drains poorly is an unacceptable substrate.

C. INSTALLATION

- a. The finished surface shall appear as mowed grass with no irregularities and shall be required to meet applicable ASTM, CPSC and ADA standards for the maximum fall height, as requested by the Architect.
- b. The installation shall be performed in full compliance with approved Shop Drawings.
- c. Only trained technicians, skilled in the installation of synthetic grass systems working under the direct supervision of the approved installer supervisors, shall undertake any cutting, sewing, gluing, shearing, top-dressing or brushing operations.
- d. The designated Supervisory personnel on the project must be certified, in writing by the manufacturer, as competent in the installation of this material, including gluing seams and proper installation of the Infill material.
- e. Install at location(s) indicated, to comply with final shop drawings, manufacturers'/installer's instructions.
- f. The Installer/Contractor shall strictly adhere to specified procedures. Any variance from these requirements shall be provided in writing, by the manufacturer's on-site representative, and submitted to the Architect and/or Owner, verifying that the changes do not in any way affect the Warranty. Infill materials shall be approved by the manufacturer and installed in accordance with the manufacturer's standard procedures.
- g. Shock absorbing playground pad shall be installed directly over the properly prepared aggregate base. Extreme care shall be taken to avoid disturbing the aggregate base, both in regard to compaction and planarity.
  - 1. Repair and properly compact any disturbed areas of the aggregate base as recommended by manufacturer.
- h. Playground protective synthetic grass system shall be installed directly over the shock absorbing playground pad.
  - 1. Seams shall be flat, tight, and permanent with no separation or fraying.
- i. Anchoring Device:
  - 1. Secure edges around perimeter to nailer board material, and where noted on drawings, at a maximum of every 12" with staples or spikes per manufacturer's written instructions.
- j. Infill Materials:
  - 1. Infill materials shall be applied in thin lifts. The turf shall be brushed as the material is applied. The infill material shall be installed to a depth determined by the manufacturer.

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2. Infill material shall be installed in a systematic order.
3. Infill materials shall be installed to fill the voids between the fibers and allow the fibers to remain vertical and non-directional. The Infill installation consists of graded dust-free silica sand. Graded dust-free acrylic coated silica sand may be substituted for silica sand as requested by Architect.
4. The Infill materials shall be installed to a depth of approximately  $\frac{3}{4}$ ". Infill density shall consist of 2.75 pounds of graded silica sand per square foot.
5. The Installer/Contractor shall keep area clean throughout the project and clear of debris. Upon completion of installation, the finished project shall be inspected by the installation crew and an installation supervisor.

D. PROTECTION

- a. Protect completed playground protective synthetic grass surfacing system throughout construction process until project completed.

**SP 22-05 Playground Equipment**

GENERAL

A. SUMMARY

1. Contractor's attention is directed to the play equipment shown on the Project Plans with corresponding product data sheets included in the Appendix to these Special Provisions. Contractor shall furnish and install Superior Playgrounds Play Equipment (or approved equal) as shown on the Plans, provided in these Special Provisions and includes the following components.
  - a. Jet Liner Play Structure (made from recycled materials)
  - b. Helicopter Play Structure (made from recycled materials)
  - c. Spinner Bowl(s)
  - d. 2 Bay Swing Set w/ integrated shade structure
  - e. City logo shall be applied to play structures as directed by the City including "Lafayette Airlines"
2. Should the Bidder decide to propose Play Equipment from an alternative manufacturer, Bidder must submit the alternative Play Equipment at least 10 days prior to the bid opening date stated above. The City will review the alternative Play Equipment and if acceptable will issue an addendum to all bidders notifying them of the alternative Play Equipment option.
3. At a minimum, the Jetliner Play Structure and Helicopter Play Structure shall be made from recycled materials. Recycled Materials shall be Grounds for Play playground materials or approved equal. See Appendix for Grounds for Play materials product data sheet.
4. The provisions of this section includes the specifications for furnishing and installing play equipment with miscellaneous hardware, foundations and assembly accessories required for installation.
5. REFERENCE STANDARDS
  - A. ASTM – American Society for Testing and Materials.
  - B. CPSC – Consumer Product Safety Commission

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- C. IPEMA – International Playground Equipment Manufacturer's Association
  - D. ADA – Americans with Disabilities Act
  - E. ISO – International Organization for Standardization
  - F. CPSI – Certified Playground Safety Inspector by the National Recreation and Park Association
6. PERFORMANCE REQUIREMENTS
- A. Play Equipment installation methods shall comply with installation instructions provided by manufacturer as well as all relevant playground safety standards:
    - 1. ASTM F1487- Standard Consumer Safety Performance Specification for Playground Equipment for Public Use
    - 2. PSC- US Consumer Product Safety Commission (CPSC) Public Playground Safety Handbook
    - 3. ADA- Contractor will verify that points of entry and exit conform to requirements of American with Disabilities Act
7. SUBMITTALS
- A. Contractor shall submit complete play equipment and layout package for review and approval by the City prior to ordering the equipment.
8. QUALITY ASSURANCE
- A. Installer shall specialize in performing the work of this section.
  - B. Installer shall take care that all playground equipment is installed strictly in accordance with the setup instructions provided by manufacturer and good construction practices
  - C. Playground Manufacturer shall be member of IPEMA, providing third party certification to validate conformance to ASTM F1487-11, excluding sections 7.1.1, 10 and 12.6.1: Standard Consumer Safety Performance Specification for Playground Equipment for Public Use as well as CAN/CSA-Z614-14, excluding clauses 9.8, 10, and 11: Children's Playspaces and Equipment.
  - D. Playground manufacturer shall have PCI 4000, ISO 9001 and ISO 14001 certifications. PCI 4000 certifies high quality steel powder coating process. ISO 9001 is used to measure manufacturing standards and to certify company compliance with quality management systems covering design, development, production, installation inspection and testing. ISO 14001, also known as "Green Certification" specifies requirements of an organization's EMS, Environmental Management System.
  - E. Play Structures and installation shall conform with safety standards outlined in CPSC "Public Playground Safety Handbook"
  - F. Play Structure shall meet or exceed relevant ADA requirements
  - G. Play Structure shall be manufactured to conform with and/or meet testing requirements of the following guidelines:
    - 1. ASTM E-8 for Yield and Tensile Strength (Steel Posts & Tubing)
    - 2. ASTM B-117 for Corrosion (Steel Posts & Tubing, Powder Coat)
    - 3. ASTM A500 manufacturing requirements (Steel Posts & Tubing)
    - 4. ASTM D1928 Procedure C for temperature testing (HDPE Panels)
    - 5. ASTM D1505 for Density (HDPE Panels)
    - 6. ASTM D1238 for Melt Index (HDPE Panels, Roto-Molded Plastic)
    - 7. ASTM D638 Type 4 for Tensile Strength & Ultimate Elongation (HDPE Panels, Roto-Molded Plastic)
    - 8. ASTM D746 for Brittleness Temperature (HDPE Panels)



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9. ASTM D790 for Flexural Modulus (HDPE Panels, Roto-Molded Plastic)
10. ASTM E831 for expansion (HDPE Panels)
11. UL 94 HB fire rating (HDPE Panels)
12. ASTM D4883 for Density (Roto-Molded Plastic)
13. ASTM D3418 for Peak Crystallization Temperature (Roto-Molded Plastic)
14. ASTM D648 for Deflection Temperature Under Load (Roto-Molded Plastic)
15. ASTM D1693 for Environmental Stress Crack Resistance (Roto-Molded Plastic)
16. ASTM G155 cycle 1 for UV Stabilized / UV 8 Rating (Roto-Molded Plastic)
17. ASTM D2244 for Color Tolerances / Differences (Powder Coat)
18. ASTM D523 for Gloss (Powder Coat)
19. ASTM D659-80 for Chalking (Powder Coat)
20. ANSI/ASCE-8-90 for Structural Members Design Criteria (Stainless Steel Hardware)
21. ASTM A1011 for Steel Specification (Steel Decks/Platforms)
22. GB/T 1173/1995 (equivalent to ASTM B26/B26M) for Casting Aluminum (Caps & Hardware)
23. CFR 16 Part 1303, IEC 62321:2008 Ed.1, US EPA 3050B for Lead Restrictions

DELIVERY, STORAGE, AND HANDLING

- A. Contractor shall coordinate delivery of and receipt of specified play components whether purchased as part of the contract or by Owner. As part of taking delivery, Contractor is responsible for unloading delivery and verifying inventory of shipment is both complete and undamaged to ensure all parts are delivered and undamaged.
- B. Contractor shall coordinate with Owner to verify that deliver timeline will not impede others.
- C. Contractor shall protect product from damage, during delivery and installation
- D. Contractor shall protect existing and newly installed improvements on site during the installation of the equipment.

SEQUENCING AND SCHEDULING

- a. Coordinate the Work with installation of work of related trades as the Work proceeds.

WARRANTY

- a. Manufacturer warrants that its product will be free from defects in materials and workmanship as well as maintain structural integrity for the periods listed below from the date of invoice and once manufacturer has been paid in full.
  1. Limited Lifetime Warranty for duration of ownership on playground steel and recycled posts, all stainless steel hardware, c-line fittings, and aluminum post caps.
  2. 20-Year Limited Warranty on Shade Structure
  3. 15-Year Limited Warranty on playground pipes, rungs, loops and rails, roto-molded plastics, HDPE plastic sheets, and recycled decks.
  4. 10-Year Limited Warranty on Shade Fabric
  5. 5-Year Limited Warranty on Powder Coat
  6. 3-Year Limited Warranty on flexible rubber belting
  7. 1-Year Limited Warranty on moving parts, shade cable, and materials not covered above
- b. Contractor shall warrant workmanship of installation for a period of one year from the date of project completion. The Contractor will be responsible for coordinating manufacturer/distributor warranty items with the manufacturer.

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PRODUCTS

- a. Manufacturer and Distributors (Or approved equal)
  1. Approved Manufacturer: Superior Playgrounds, 1050 Columbia Drive, Carrollton GA 30117
  2. Approved Distributor: Professor Playground, 25A Crescent Drive #317, Pleasant Hill, CA 94523  
Contact: Wally Sealock (925) 726-3269 info@professorplayground.com

EXECUTION

- a. EXAMINATION
  1. Prior to beginning installation, inspect concrete curb to verify that foot print will accommodate use zone of equipment.
  2. Contractor shall verify that no overhead obstructions (i.e. tree limbs, light fixtures, etc.) will fall within use zone of equipment.
- b. PREPARATION
  1. Contractor shall coordinate installation of play equipment with installation of concrete curb / retaining wall, underground utilities, light fixtures, compacted base, and artificial turf installation as specified herein and approved by the City.
  2. Safety Surfacing: Contractor shall review impact attenuation of synthetic turf safety surfacing and verify that it meets fall requirements of play equipment
  3. Installation Instructions shall be provided by the manufacturer prior to commencing installation. Contractor will also be provided with scaled plan drawings and footing diagrams.
- c. INSTALLATION
  1. Contractor shall install equipment according to installation instructions of the manufacturer.
  2. Contractor shall keep site clean. Debris, tools, and installation materials shall be removed daily.
- d. PROTECTION
  1. Any tools or installation materials kept on site will be properly secured.

**SP29-05 MEASUREMENT AND PAYMENT**

The contract price paid per linear foot for (LF) for **“42” Black Vinyl Coated Chain Link Fence in Ex. Concrete Curb** and **“32” Black Vinyl Coated Chain Link Fence Fabric** and per each for **“32” Black Vinyl Coated Chain Link Fence Gate**, **“Black Metal Bench**”, **“Picnic Table with ADA Access**”, **“Install Trash & Recycle Receptacle Provided by City**” and **“Bottle Filler**” shall include all labor, materials, services, equipment and appliances required to install the fencing and furnishing items in place including but not limited to laying out, excavation, foundation, bedding, backfill, mounting and hardware, as shown on the Plans, Specified herein and directed by the Engineer.

The Contract price paid per square foot for **“Playground Synthetic Grass Surfacing”** shall include all labor, materials, services, equipment and appliances required for to install the surfacing in place including but not limited to laying out, excavation, bedding, aggregate base, all components of the synthetic surfacing

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including synthetic grass, filler, pad, and nailer board as shown on the Plans, Specified herein and directed by the Engineer.

The Contract lump sum price for **“Playground Equipment”** shall include all labor, materials, services, equipment and appliances required to furnish and install the equipment in place including but not limited to laying out, excavation, foundation, bedding, backfill, mounting and hardware, as shown on the Plans, Specified herein and directed by the Engineer.

**SPECIAL PROVISIONS SECTION SP-23**  
**STREET LIGHT AND ELECTRICAL SYSTEMS**  
(BID ITEM NO. 17)

The provisions of Section 86, "Electrical Systems", of the State Standard Specifications shall apply in their entirety unless modified or supplemented herein.

**SP23-01 GENERAL**

Contractor’s attention is directed to existing light poles and fixtures to be relocated and installed in a new foundation. Work shall conform to the provisions Section 86-1.06, "Maintaining Existing and Temporary Electrical Systems," of the State Standard Specifications in addition to these Special Provisions, the Plans and as directed by the Engineer.

The work shall consist of removing existing light, pole, fixture, foundation, pull box and all other components of the light, and relocating the existing light poles, fixtures and related components to a new location on a new foundation with a new pull box, required wiring, connection to existing system and testing per these Specifications, as shown on the plans and as directed by the Engineer.

The existing conduits are diagrammatically shown on the Project Plans. Contractor shall locate the existing conduits, conductors and wiring prior to the start of construction.

Contractor shall submit a plan showing location of existing lights, relocated lights, conduits/wiring, pull boxes, connection details and foundation prior to the start of construction for approval by the Engineer. New conduits, conductors and wiring shall match existing systems.

Existing fixtures are LED with photocells. Contractor shall clean and protect existing fixtures.

The system may be turned on and off at the existing panel within the project area.

The existing lights shall be protected and maintained in functional condition for initial stages of construction prior to the relocation of the two designated lights in a subsequent stage. The maintenance of these lights is considered incidental to the other Contract Work and compensation for doing so is included in the Contract Prices paid for those items.

Contractor shall properly disconnect existing lights so as not to disrupt the other lights, and the Contractor shall make all required connections for a fully-functional system.

*Special Provisions*

Concrete for the new foundations shall be per Section 17 of these Special Provisions. Contractor shall reconnect and furnish new base caps to match rest of the park for these relocated lights as well.

New system shall be programmed to be on from Dawn to Dusk as approved the City.

**SP23-02 CONCRETE PULL BOX AND COVER**

Concrete pull box and pull box cover to be installed at the locations shown on the Plans and shall conform to the requirements of Section 86-2.06, "Pull Boxes", of the State Standard Specifications. Pull boxes damaged by Contractor during construction shall be replaced in kind at Contractor's expense.

Pull box cover shall be "split" reinforced precast concrete. The cover shall be marked "LIGHTING" or "SERVICE" as appropriate.

**SP23-03 MAINTAINING EXISTING ELECTRICAL SYSTEMS**

Work shall conform to the provisions of Section 86-1.06, "Maintaining Existing and Temporary Electrical Systems", of the State Standard Specifications.

Contractor shall coordinate his operations such that the existing street lights shall be fully functional and in continuous operation during the hours of darkness.

**SP23-04 FOUNDATIONS**

The provisions of Section 21, "Concrete Construction," of the Technical Specifications of the Standard Specifications shall apply in their entirety except as modified or supplemented herein.

Contractor's attention is directed to the details on the Plans and SP-17 "Concrete Construction" Section of these Special Provisions. Conduits and bolts shall be provided in proposed foundations per the details on the plans.

Exposed foundation anchor bolts shall be properly protected with either barricades or traffic cones until the poles are erected.

**SP23-05 CONDUIT**

New conduit runs shall be shown on the Contractor's Plan for approval by the City prior to start of construction. Where directed by the Engineer, conduits to be installed shall be placed below and prior to construction of the new improvements.

The conduit in a foundation and between a foundation and the nearest pull box shall be the rigid metallic type. All conduits shall have a 1/4" pull rope installed in them. All conduit joints shall be glued. The ends of conduits in pull boxes shall have a bell bushing and shall be a minimum of 4 inches above surface of rock and a minimum of 6 inches below the top of the pull box.

Conduit installed shall be as shown on the Plans or as required by the Engineer.

After conductors have been installed, the ends of conduit terminating in pull boxes and cabinets shall be sealed with a UL approved plug or duct seal.

*Special Provisions*

When a standard coupling cannot be used for coupling metal type conduit, a UL listed threaded union coupling, as specified in the third paragraph in Section 86-2.05C, "Installation", of the State Standard Specifications, or a concrete tight split coupling or concrete tight set screw coupling shall be used.

**SP23-06 CONDUCTORS AND WIRING**

Contractor's attention is directed to the Lighting Notes on the Project Plans.

The Contractor shall provide to the Engineer a Certificate of compliance from the Manufacturer in accordance with the provisions of Section 6-1.05, "Certificates of Compliance", of the State Standard Specifications for all the conductors and cables furnished for the project.

Conductors shall not be pulled into conduits until the pull boxes have been set to grade, rock sumps have been installed, and conduits have been bonded and grounded. All pull boxes shall be inspected and approved prior to pulling any conductors. Conductors shall not be pulled into conduits unless the Engineer is present to observe the operation. The ends of all unused cables shall be sealed.

At least 6 feet of slack shall be provided in the pull box nearest to each street lighting for those conductors terminating at that standard; and 3 feet of slack shall be provided in each conductor in all other pull boxes.

Conductors shall be labeled. Identification bands shall be constructed from a nylon cable tie with a 0.35" by 0.75" label flag attached. The marking pen shall be one recommended by the manufacturer of the cable tie or it shall be an indelible marking pen compatible with writing on the nylon material. No other method of labeling shall be acceptable. Lighting conductors shall be labeled as appropriate.

**SP23-07 SERVICE ENCLOSURES**

Contractor shall coordinate with PG&E for proper connection to existing system as required by the Engineer.

The Contractor shall furnish and install all materials and equipment necessary to complete the electrical connections between the terminating point of service and the Project electrical system, as shown on the Plans and as required to provide the intended function and service.

**SP23-08 TRENCHING**

Trenching for installation of conduits and sleeves shall be done per details shown on plans and as specified in these Special Provisions. Trenching shall be coordinated with other similar installations, such as irrigation lines, to minimize the number of trench cuts. All trenches shall be completed prior to the final paving and placement of all finished surfaces.

**SP23-09 TESTING**

Electrical systems shall be tested for proper function for five consecutive days prior to acceptance by the Engineer. Failure within the five days shall require a new five-day functional test period.

Any damage to new equipment installed as part of a modified facility prior to or during the "five-day functional test" shall be repaired by the Contractor at the Contractor's expense. The "five-day functional test" will begin on the day the system is completed and/or put into operation. The Contractor is

*Special Provisions*

responsible for the maintenance of all installed or relocated system until the Final Acceptance by the City Council.

In the event that the Contractor is unable to respond to a problem that develops during the functional test or that for any reason he is unable to correct the problem in a timely fashion as determined by the City, the City may have its own maintenance personnel work on the problem. Any such work performed by the City shall not invalidate the guarantee and warranty required by Contract, and shall be at the Contractor's expense.

**SP23-10 MEASUREMENT AND PAYMENT**

The contract price paid per each for **“Remove & Relocate Ex. Light Pole & Fixture”** shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to excavate, sawcut, removal of the light poles, fixtures, an respective foundations and pull boxes, base material, and hardware, safe storage and re-installation of the light pole and fixture, with new foundations, backfill, basecaps, pull box, and reconnection to existing electrical system including trenching, wiring and testing the system as shown on the plans, as specified by these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

**SPECIAL PROVISIONS SECTION SP-24**

**PAINT**

(BID ITEM NO. 36-39)

**SP23-03 PAINT STRIPING AND MARKINGS**

This work shall be in accordance to the Plans, as specified in Section 15 of the Technical Provisions of the City Standard Specifications, and as directed by the Engineer.

Contractor's attention is directed to new curb to be painted red as shown on the plans, and various existing items to be painted black including existing 32” fence posts, existing light poles, and existing Electric Meter as shown on the Plans as specified by the Engineer and as specified herein.

For red curb paint, Contractor shall conform to Section 15 of the Technical Provisions of the City Standard Specifications, and as directed by the Engineer.

For painting existing fence posts, light poles and electric meter, Contractor shall submit black paint samples to the Engineer, and provide field mock-ups prior to the start of construction for approval by the Engineer. Work shall include:

- Surface Preparation: Items to be painted shall be scarified with a palm sander, pole sander or scotch brite pad. All rust shall be removed to bright metal. All oil, grease, fingerprints and other contaminants shall be removed with clean solvent and clean rags.
- Prime: Two-part polyamide epoxy. Color: Black Tnemec series 27 F.C. epoxy, or approved equal. Apply by brush or roller to 3.0 to 4.5 mils (75 to 110 microns) dry film thickness. This may require two or three coats to reach required D.F.T.

*Special Provisions*

- Top Coat: Two-part aliphatic acrylic polyurethane – series 1075 semi-gloss by Tnemec or approved equal. Color: Black. Apply by brush or roller to 3.5 to 5.0 mils (88 to 125 microns) D.F.T. This may require several coats to reach the required D.F.T.
- Total Dry Film Thickness: match factory applied coatings.
- Color: Black.
- Application Temperature: Shall be 60 degrees Fahrenheit (16 degrees Celsius) or higher. Application temperature is critical for proper adhesion and curing properties. It is best to do the touch-up mid to late mornings so as to allow the higher afternoon temperatures to help these two-part paints to cure properly.

Other coating systems may be substituted for the products specified herein if they are found to be equal in quality, appearance, performance, and durability. A complete submittal package shall be submitted to the Engineer for review and approval.

The final finish of poles, posts and meter prior to acceptance by City shall be smooth and free of scratches, gouges, and defects of any kind.

**SP19-04 MEASUREMENT AND PAYMENT**

The contract lump sum price paid for "**Red Curb Paint**", "**Paint 32**" **Ex. Fence Post Black**", "**Paint Ex. Light Pole Black**" and "**Paint Ex. Electric Meter Black**" shall include full compensation for furnishing all labor, supervision, materials, tools, equipment, and incidentals, including application of skid resistant materials, and for doing the work involved in preparing existing surfaces and installing paint and coatings on the various items of work as shown on the Plans, as specified by these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

## **APPENDICES**

**Appendix A: Standard Plans:**

**Appendix B: Site Furnishings**

**Appendix C: Synthetic Turf Play Surfacing**

**Appendix D: Playground Equipment**



## **Appendix A**

### **Standard Plans**

#### **Contra Costa County Standard Plans, March 2014**

- CA70      STANDARD SIDEWALK DETAILS
- CA71      MEDIAN, CURB, AND HMA DIKE DETAILS

#### **Caltrans Standard Plans, May 2018**

- A88A      CURB RAMP DETAILS

## **Appendix B**

### **Site Furnishings**

**BLACK METAL BENCH  
PICNIC TABLE WITH ADA ACCESS  
BOTTLE FILLER**

## **Appendix C**

# **Synthetic Turf Play Surfacing**

## **Appendix D**

### **Playground Equipment**