

City of San Diego

CONTRACTOR'S NAME: JMJ Construction
ADDRESS: 30724 Benton Rd C302-593, Winchester, CA 92596
TELEPHONE NO.: _____ **FAX NO.:** _____
CITY CONTACT: Rosa Riego, Senior Contract Specialist, Email: RRiego@sandiego.gov
Phone No. (619) 533-3426
J. Scott / A. Jaro / L. I. Russell

BIDDING DOCUMENTS



FOR



LA PAZ MINI PARK

BID NO.: K-21-1941-DBB-3
SAP NO. (WBS/IO/CC): S-11103
CLIENT DEPARTMENT: 1714
COUNCIL DISTRICT: 4
PROJECT TYPE: GC

THIS CONTRACT WILL BE SUBJECT TO THE FOLLOWING:

- THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM
- PREVAILING WAGE RATES: STATE FEDERAL
- APPRENTICESHIP

BID DUE DATE:

2:00 PM
DECEMBER 2, 2020

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

ENGINEER OF WORK

The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Landscape Architect:

Vicki Estrada
1) Registered Landscape Architect

10/06/2020
Date

Seal:



Jason Grant
2) For City Engineer

9/17/2020
Date

Seal:



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REQUIRED DOCUMENTS SCHEDULE DURING BIDDING AND AWARDING

The Bidder's attention is directed to the City's Municipal Code §22.0807(e), (3)-(5) for important information regarding grounds for debarment for failure to submit required documentation.

The specified Equal Opportunity Contracting Program (EOCP) forms are available for download from the City's web site at:

<http://www.sandiego.gov/eoc/forms/index.shtml>

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
1.	Bid Bond (PDF via PlanetBids)	At Time of Bid	ALL BIDDERS
2.	Contractors Certification of Pending Actions	At Time of Bid	ALL BIDDERS
3.	Mandatory Disclosure of Business Interests	At Time of Bid	ALL BIDDERS
4.	Debarment and Suspension Certification for Prime Contractors	At Time of Bid	ALL BIDDERS
5.	Debarment and Suspension Certification for Subcontractors, Suppliers & Mfgs	At Time of Bid	ALL BIDDERS
6.	Bid Bond (Original)	By 5PM 3 working days after bid opening	All BIDDERS
7.	SLBE Good Faith Effort Documentation	Within 3 working days of bid opening	ALL BIDDERS
8.	Form AA60 – List of Work Made Available	By 5 PM 3 working days after bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS
9.	If the Contractor is a Joint Venture: <ul style="list-style-type: none"> • Joint Venture Agreement • Joint Venture License 	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER
10.	Payment & Performance Bond; Certificates of Insurance & Endorsements; and Signed Contract Agreement Page	Within 10 working days of receipt by bidder of contract forms and NOI	APPARENT LOW BIDDER

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
11.	Listing of "Other Than First Tier" Subcontractors	Within 10 working days of receipt by bidder of contract forms	APPARENT LOW BIDDER

NOTICE INVITING BIDS

1. **SUMMARY OF WORK:** This is the City of San Diego's (City) solicitation process to acquire Construction services for **La Paz Mini Park**. For additional information refer to Attachment A.
2. **FULL AND OPEN COMPETITION:** This solicitation is subject to full and open competition and may be bid by Contractors on the City's approved Prequalified Contractors List. For information regarding the Contractors Prequalified list visit the City's web site: <http://www.sandiego.gov>.
3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$1,264,000**.
4. **BID DUE DATE AND TIME ARE: DECEMBER 2, 2020 at 2:00 PM**
5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D
6. **LICENSE REQUIREMENT:** To be eligible for award of this contract, Prime contractor must possess the following licensing classification: **A**
7. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract.
 - 7.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

1. SLBE participation	9.5%
2. ELBE participation	11.7%
3. Total mandatory participation	21.2%
 - 7.2. The Bid may be declared non-responsive if the Bidder fails to meet the following requirements:
 - 7.2.1. Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; OR
 - 7.2.2. Submit Good Faith Effort (GFE) documentation, saved in searchable Portable Document Format (PDF) and stored on a Universal Serial Bus (USB) Type-A, Compact Disc (CD) or Digital Video Disc (DVD), demonstrating the Bidder made a good faith effort to outreach to and include SLBE-ELBE Subcontractors required in this document by 5 PM 3 Working Days after the Bid opening if the overall mandatory participation percentage is not met.

Due to circumstances related to Covid-19, until further notice, all submittals in searchable PDF shall be submitted electronically within the prescribed time identified in the contract documents via a File Cloud link provided by the Contract Specialist to all bidders.

Upon circumstances returning to normal business as usual, the GFE shall once again be submitted to:

Engineering & Capital Projects Department, Contracts Division
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101

Attention: Rosa Riego

8. AWARD PROCESS:

- 8.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions of Award as stated within these documents and within the Notice of Intent to Award.
- 8.2.** Upon acceptance of bids and determination of the apparent low bidder, the City will prepare the contract documents for execution within approximately 21 days of the date of the bid opening. The City will then award the contract upon receipt of properly signed Contract, bonds, and insurance documents.
- 8.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form by the City Attorney's Office.
- 8.4.** The low Bid will be determined by the Base Bid.
- 8.5.** Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base Bid alone.

9. SUBMISSION OF QUESTIONS:

- 9.1.** The Director (or Designee) of the Engineering & Capital Projects Department is the officer responsible for opening, examining, and evaluating the competitive Bids submitted to the City for the acquisition, construction and completion of any public improvement except when otherwise set forth in these documents. Any questions related to this solicitation shall be submitted to:

Engineering & Capital Projects Department, Contracts Division
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101
Attention: Rosa Riego

OR:

RRiego@sandiego.gov

- 9.2.** Questions received less than 14 days prior to the date for opening of Bids may not be considered.
- 9.3.** Questions or clarifications deemed by the City to be material shall be answered via issuance of an addendum and posted to the City's online bidding service.
- 9.4.** Only questions answered by formal written addenda shall be binding. Oral and other interpretations or clarifications shall be without legal effect. It is the Bidder's responsibility to be informed of any addenda that have been issued and to include all such information in its Bid.

INSTRUCTIONS TO BIDDERS

1. PREQUALIFICATION OF CONTRACTORS:

- 1.1. Contractors submitting a Bid must be pre-qualified for the total amount proposed, including all alternate items, prior to the date of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified may be deemed **non-responsive** and ineligible for award.
- 1.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening.
- 1.3. **Joint Venture Bidders Cumulative Maximum Bidding Capacity:** For projects with an engineer's estimate of \$30,000,000 or greater, Joint Ventures submitting bids may be deemed responsive and eligible for award if the cumulative maximum bidding capacity of the individual Joint Venture entities is equal to or greater than the total amount proposed.
 - 1.3.1. Each of the entities of the Joint Venture must have been previously prequalified at a minimum of \$15,000,000.
 - 1.3.2. Bids submitted with a total amount proposed of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification. To be eligible for award in this scenario, the Joint Venture itself or at least one of the Joint Venture entities must have been prequalified for the total amount proposed.
 - 1.3.3. Bids submitted by Joint Ventures with a total amount proposed of \$30,000,000 or greater on a project with an engineer's estimate of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification.
 - 1.3.4. The Joint Venture designated as the Apparent Low Bidder shall provide evidence of its corporate existence and furnish good and approved bonds in the name of the Joint Venture within 14 Calendar Days of receipt by the Bidder of a form of contract for execution.
- 1.4. Complete information and links to the on-line prequalification application are available at:

<http://www.sandiego.gov/cip/bidopps/prequalification>
- 1.5. Due to the City's responsibility to protect the confidentiality of the contractors' information, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on [PlanetBids™](#).

2. **ELECTRONIC FORMAT RECEIPT AND OPENING OF BIDS:** Bids will be received in electronic format (eBids) EXCLUSIVELY at the City of San Diego’s electronic bidding (eBidding) site, at: <http://www.sandiego.gov/cip/bidopps/index.shtml> and are due by the date, and time shown on the cover of this solicitation.
 - 2.1. **BIDDERS MUST BE PRE-REGISTERED** with the City’s bidding system and possess a system-assigned Digital ID in order to submit an electronic bid.
 - 2.2. The City’s bidding system will automatically track information submitted to the site including IP addresses, browsers being used and the URLs from which information was submitted. In addition, the City’s bidding system will keep a history of every login instance including the time of login, and other information about the user’s computer configuration such as the operating system, browser type, version, and more. Because of these security features, Contractors who disable their browsers’ cookies will not be able to log in and use the City’s bidding system.
 - 2.3. The City’s electronic bidding system is responsible for bid tabulations. Upon the bidder’s or proposer’s entry of their bid, the system will ensure that all required fields are entered. **The system will not accept a bid for which any required information is missing.** This includes all necessary pricing, subcontractor listing(s) and any other essential documentation and supporting materials and forms requested or contained in these solicitation documents.
 - 2.4. **BIDS REMAIN SEALED UNTIL BID DEADLINE.** eBids are transmitted into the City’s bidding system via hypertext transfer protocol secure (https) mechanism using SSL 128-256 bit security certificates issued from Verisign/Thawte which encrypts data being transferred from client to server. Bids submitted prior to the “Bid Due Date and Time” are not available for review by anyone other than the submitter who has until the “Bid Due Date and Time” to change, rescind or retrieve its proposal should it desire to do so.
 - 2.5. **BIDS MUST BE SUBMITTED BY BID DUE DATE AND TIME.** Once the bid deadline is reached, no further submissions are accepted into the system. Once the Bid Due Date and Time has lapsed, bidders, proposers, the general public, and City staff are able to immediately see the results on line. City staff may then begin reviewing the submissions for responsiveness, EOCB compliance and other issues. The City may require any Bidder to furnish statement of experience, financial responsibility, technical ability, equipment, and references.
 - 2.6. **RECAPITULATION OF THE WORK.** Bids shall not contain any recapitulation of the Work. Conditional Bids may be rejected as being non-responsive. Alternative proposals will not be considered unless called for.
 - 2.7. **BIDS MAY BE WITHDRAWN** by the Bidder only up to the bid due date and time.
 - 2.7.1. **Important Note:** Submission of the electronic bid into the system may not be instantaneous. Due to the speed and capabilities of the user’s internet service provider (ISP), bandwidth, computer hardware and other variables, it may take time for the bidder’s submission to upload and be received by the City’s eBidding system. It is the bidder’s sole responsibility to ensure their bids are

received on time by the City's eBidding system. The City of San Diego is not responsible for bids that do not arrive by the required date and time.

- 2.8. **ACCESSIBILITY AND AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE:** To request a copy of this solicitation in an alternative format, contact the Engineering & Capital Projects Department Contract Specialist listed on the cover of this solicitation at least five (5) working days prior to the Bid/Proposal due date to ensure availability.

3. ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT:

- 3.1. The bidder, by submitting its electronic bid, acknowledges that doing so carries the same force and full legal effect as a paper submission with a longhand (wet) signature.
- 3.2. By submitting an electronic bid, the bidder certifies that the bidder has thoroughly examined and understands the entire Contract Documents (which consist of the plans and specifications, drawings, forms, affidavits and the solicitation documents), and that by submitting the eBid as its bid proposal, the bidder acknowledges, agrees to and is bound by the entire Contract Documents, including any addenda issued thereto, and incorporated by reference in the Contract Documents.
- 3.3. The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certification, forms and affidavits submitted as part of this bid are true and correct.
- 3.4. The Bidder agrees to the construction of the project as described in Attachment "A-Scope of Work" for the City of San Diego, in accordance with the requirements set forth herein for the electronically submitted prices. The Bidder guarantees the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent.

4. **BIDS ARE PUBLIC RECORDS:** Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.

5. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:

- 5.1. **Prior** to the Award of the Contract or Task Order, you and your Subcontractors and Suppliers must register with the City's web-based vendor registration and bid management system. For additional information go to:

<http://www.sandiego.gov/purchasing/bids-contracts/vendorreg>

- 5.2.** The City may not award the contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified in the Notice of Intent to Award letter, the City reserves the right to rescind the Notice of Award / Intent to Award and to make the award to the next responsive and responsible bidder / proposer.
- 6. JOINT VENTURE CONTRACTORS:** Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 14 Calendar Days after receiving the Contract forms.
- 7. INSURANCE REQUIREMENTS:**
- 7.1.** All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City's Notice of Intent to Award letter.
- 7.2.** Refer to sections 5-4, "INSURANCE" of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.
- 8. REFERENCE STANDARDS:** Except as otherwise noted or specified, the Work shall be completed in accordance with the following standards:

Title	Edition	Document Number
Standard Specifications for Public Works Construction ("The GREENBOOK") http://www.greenbookspecs.org/	2018	PWPI010119-01
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")* https://www.sandiego.gov/ecp/edocref/greenbook	2018	PWPI010119-02
City of San Diego Standard Drawings* https://www.sandiego.gov/ecp/edocref/standarddraw	2018	PWPI010119-03
Citywide Computer Aided Design and Drafting (CADD) Standards https://www.sandiego.gov/ecp/edocref/drawings	2018	PWPI010119-04
California Department of Transportation (CALTRANS) Standard Specifications https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications	2018	PWPI030119-05
CALTRANS Standard Plans https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications	2018	PWPI030119-06
California Manual on Uniform Traffic Control Devices Revision 5 (CA MUTCD 2014 Rev 5) http://www.dot.ca.gov/programs/safety-programs/camutcd/camutcd-rev5	2014	PWPI042220-09
<p>NOTE: *Available online under Engineering Documents and References at: https://www.sandiego.gov/ecp/edocref/</p> <p>*Electronic updates to the Standard Drawings may also be found in the link above</p>		

9. **CITY'S RESPONSES AND ADDENDA:** The City, at its discretion, may respond to any or all questions submitted in writing via the City's eBidding web site in the **form of an addendum**. No other responses to questions, oral or written shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addenda are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda at the time of bid submission.
10. **CITY'S RIGHTS RESERVED:** The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.
11. **CONTRACT PRICING:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein. The Bidder agrees to perform construction services for the City of San Diego in accordance with these contract documents for the prices listed below. The Bidder further agrees to guarantee the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee may be extended, by mutual consent of the parties, by the number of days required for the City to obtain all items necessary to fulfill all contractual conditions.
12. **SUBCONTRACTOR INFORMATION:**
- 12.1. **LISTING OF SUBCONTRACTORS.** In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act" of the California Public Contract Code, the Bidder shall provide the **NAME** and **ADDRESS** of each Subcontractor who will perform work, labor, render services or who specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also state within the description, whether the subcontractor is a **CONSTRUCTOR, CONSULTANT** or **SUPPLIER**. The Bidder shall state the **DIR REGISTRATION NUMBER** for all subcontractors and shall further state within the description, the **PORTION** of the work which will be performed by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement may result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions – Section 3-2, "SELF- PERFORMANCE", which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which Bidders are seeking recognition towards achieving any mandatory, voluntary (or both) subcontracting participation goals.

Additionally, pursuant to California Senate Bill 96 and in accordance with the requirements of Labor Code sections 1771.1 and 1725.5, by submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the California Department of Industrial Relations (DIR). **The Bidder shall provide the name, address,**

license number, DIR registration number of any Subcontractor – regardless of tier - who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement pursuant to the contract.

- 12.2. **LISTING OF SUPPLIERS.** Any Bidder seeking the recognition of Suppliers of equipment, materials, or supplies obtained from third party Suppliers towards achieving any mandatory or voluntary (or both) subcontracting participation goals shall provide, at a minimum, the **NAME, LOCATION (CITY), DIR REGISTRATION NUMBER** and the **DOLLAR VALUE** of each supplier. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for materials and supplies unless vendor manufactures or substantially alters materials and supplies, in which case, 100% will be credited. The Bidder is to indicate within the description whether the listed firm is a supplier or manufacturer. If no indication is provided, the listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage.
- 12.3. **LISTING OF SUBCONTRACTORS OR SUPPLIERS FOR ALTERNATES.** For subcontractors or suppliers to be used on additive or deductive alternate items, in addition to the above requirements, bidder shall further note "ALTERNATE" and alternate item number within the description.
13. **SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-6, "Trade Names" in The WHITEBOOK and as amended in the SSP.
14. **AWARD:**
 - 14.1. The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
 - 14.2. Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
 - 14.3. This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.
15. **SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 3-2, "SELF-PERFORMANCE" in The GREENBOOK and as amended in the SSP which requires the Contractor to self-perform not less than the specified amount. Failure to comply with this requirement shall render the bid **non-responsive** and ineligible for award.
16. **AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Engineering & Capital Projects Department, Contracts Division.

- 17. ONLY ONE BID PER CONTRACTOR SHALL BE ACCEPTED:** No person, firm, or corporation shall be allowed to make, file, or be interested in more than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.
- 18. SAN DIEGO BUSINESS TAX CERTIFICATE:** The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, First floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms within these documents.
- 19. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY) FOR DESIGN-BID-BUILD CONTRACTS:**
- 19.1.** For bids \$250,000 and above, bidders shall submit Bid Security at bid time. Bid Security shall be in one of the following forms: a cashier's check, or a properly certified check upon some responsible bank; or an approved corporate surety bond payable to the City of San Diego for an amount of not less than 10% of the total bid amount.
- 19.2.** This check or bond, and the monies represented thereby, will be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into the contract and furnish the required final performance and payment bonds.
- 19.3.** The Bidder agrees that in the event of the Bidder's failure to execute this contract and provide the required final bonds, the money represented by the cashier's or certified check will remain the property of the City; and the Surety agrees that it will pay to the City the damages, not exceeding the sum of 10% of the amount of the Bid, that the City may suffer as a result of such failure.
- 19.4.** At the time of bid submission, bidders must upload and submit an electronic PDF copy of the aforementioned bid security. Whether in the form of a cashier's check, a properly certified check or an approved corporate surety bond payable to the City of San Diego, the bid security must be uploaded to the City's eBidding system. By 5 PM, 3 working days after the bid opening date, all bidders must provide the City with the original bid security.
- 19.5.** Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original by 5 PM, 3 working days after bid opening date shall cause the bid to be rejected and deemed **non-responsive**.

Due to circumstances related to Covid-19, until further notice, all original bid bond submittals must be received by 5 PM, 3 working days after bid opening.

Upon circumstances returning to normal business as usual, the original bid bond shall once again be due by 5 PM the day after bid opening.

Original Bid Bond shall be submitted to:
Engineering & Capital Projects Department, Contracts Division
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101

To the Attention of the Contract Specialist on the Front Page of this solicitation.

20. AWARD OF CONTRACT OR REJECTION OF BIDS:

- 20.1. This contract may be awarded to the lowest responsible and reliable Bidder.
- 20.2. Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.
- 20.3. The City reserves the right to reject any or all Bids, to waive any informality or technicality in Bids received, and to waive any requirements of these specifications as to bidding procedure.
- 20.4. Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City within 3 Working Days of the bid opening, written notice from the Bidder which shows proof of honest, credible, clerical error of a material nature, free from fraud or fraudulent intent; and of evidence that reasonable care was observed in the preparation of the Bid.
- 20.5. A bidder who is not selected for contract award may protest the award of a contract to another bidder by submitting a written protest in accordance with the San Diego Municipal Code.
- 20.6. The City of San Diego will not discriminate in the award of contracts with regard to race, religion creed, color, national origin, ancestry, physical handicap, marital status, sex or age.
- 20.7. Each Bid package properly signed as required by these specifications shall constitute a firm offer which may be accepted by the City within the time specified herein.
- 20.8. The City reserves the right to evaluate all Bids and determine the lowest Bidder on the basis of the base bid and any proposed alternates or options as detailed herein.

21. BID RESULTS:

- 21.1. The availability of the bids on the City's eBidding system shall constitute the public announcement of the apparent low bidder. In the event that the apparent low bidder is subsequently deemed non-responsive or non-responsible, a notation of such will be made on the eBidding system. The new ranking and apparent low bidder will be adjusted accordingly.

- 21.2.** To obtain the bid results, view the results on the City's web site, or request the results by U.S. mail and provide a self-addressed, stamped envelope. If requesting by mail, be sure to reference the bid name and number. The bid tabulations will be mailed to you upon their completion. The results will not be given over the telephone.

22. THE CONTRACT:

- 22.1.** The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- 22.2.** If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 22.3.** If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.
- 22.4.** Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- 22.5.** The award of the Contract is contingent upon the satisfactory completion of the above-mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee and approval as to form by the City Attorney's Office. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.

23. **EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 3-9, "TECHNICAL STUDIES AND SUBSURFACE DATA", and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.
24. **CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 24.1. The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 24.2. The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 24.3. The City of San Diego Municipal Code §22.3004 for Contractor Standards.
- 24.4. The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 24.5. Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
- 24.6. The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 24.7. The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.
25. **PRE-AWARD ACTIVITIES:**
- 25.1. The contractor selected by the City to execute a contract for this Work shall submit the required documentation as specified in the herein and in the Notice of Award. Failure to provide the information as specified may result in the Bid being rejected as **non-responsive**.
- 25.2. The decision that bid is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

JMJ Construction, a corporation, as principal, and **NORTH AMERICAN SPECIALTY INSURANCE COMPANY**, a corporation authorized to do business in the State of California, as Surety, hereby obligate themselves, their successors and assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of **One Million Two Hundred Eighty Three Thousand Two Hundred Eighty Four Dollars and Zero Cents (\$1,283,284.00)** for the faithful performance of the annexed contract, and in the sum of **One Million Two Hundred Eighty Three Thousand Two Hundred Eighty Four Dollars and Zero Cents (\$1,283,284.00)** for the benefit of laborers and materialmen designated below.

Conditions:

If the Principal shall faithfully perform the annexed contract with the City of San Diego, California, then the obligation herein with respect to a faithful performance shall be void; otherwise it shall remain in full force.

If the Principal shall promptly pay all persons, firms and corporations furnishing materials for or performing labor in the execution of this contract, and shall pay all amounts due under the California Unemployment Insurance Act then the obligation herein with respect to laborers and materialmen shall be void; otherwise it shall remain in full force.

The obligation herein with respect to laborers and materialmen shall inure to the benefit of all persons, firms and corporations entitled to file claims under the provisions of Article 2. Claimants, (iii) public works of improvement commencing with Civil Code Section 9100 of the Civil Code of the State of California.

Changes in the terms of the annexed contract or specifications accompanying same or referred to therein shall not affect the Surety's obligation on this bond, and the Surety hereby waives notice of same.

The Surety expressly agrees that the City of San Diego may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Principal.

The Surety shall not utilize the Principal in completing the improvements and work specified in the Agreement in the event the City terminates the Principal for default.

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND (continued)

Dated FEBRUARY 4, 2021

Approved as to Form

J M J CONSTRUCTION
Principal

By [Signature]

JORDAN MOISA, PRESIDENT
Printed Name of Person Signing for Principal

Mara W. Elliott, City Attorney

By [Signature]
Deputy City Attorney

NORTH AMERICAN
SPECIALTY INSURANCE COMPANY
Surety

By [Signature]
MARK D. IATAROLA, Attorney-in-fact

Approved:

777 SOUTH FIGUEROA STREET, SUITE 3700
Local Address of Surety

By [Signature]
Stephen Samara
Principal Contract Specialist
Engineering & Capital Projects

LOS ANGELES, CA 90017
Local Address (City, State) of Surety

213/337-3078
Local Telephone No. of Surety

Premium \$ 16,333.00

Bond No. 2314423
PREMIUM IS FOR CONTRACT TERM
AND IS SUBJECT TO ADJUSTMENT
BASED ON FINAL CONTRACT PRICE

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

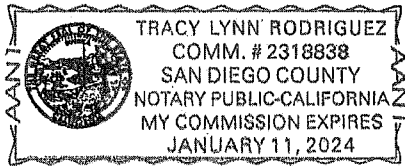
CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }
County of SAN DIEGO

On 2/4/2021 before me, TRACY LYNN RODRIGUEZ, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer
personally appeared MARK D. IATAROLA
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within Instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *Tracy Lynn Rodriguez*
Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: MARK D. IATAROLA Signer's Name: _____

Corporate Officer – Title(s): _____ Corporate Officer – Title(s): _____

Partner – Limited General Partner – Limited General

Individual Attorney in Fact Individual Attorney in Fact

Trustee Guardian of Conservator Trustee Guardian of Conservator

Other: _____ Other: _____

Signer is Representing: _____ Signer is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

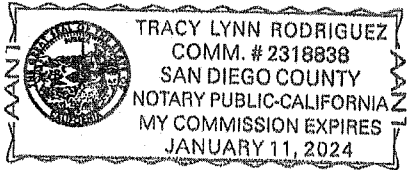
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }
County of SAN DIEGO

On 2/11/2021 before me, TRACY LYNN RODRIGUEZ, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer

personally appeared JORDAN MOISA
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *Tracy Lynn Rodriguez*
Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: JORDAN MOISA Signer's Name: _____

Corporate Officer – Title(s): PRESIDENT Corporate Officer – Title(s): _____

Partner – Limited General Partner – Limited General

Individual Attorney in Fact Individual Attorney in Fact

Trustee Guardian of Conservator Trustee Guardian of Conservator

Other: _____ Other: _____

Signer is Representing: _____ Signer is Representing: _____

SWISS RE CORPORATE SOLUTIONS

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY
WESTPORT INSURANCE CORPORATION **GENERAL POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Kansas City, Missouri and Washington International Insurance Company a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Kansas City, Missouri, and Westport Insurance Corporation, organized under the laws of the State of Missouri, and having its principal office in the City of Kansas City, Missouri does hereby make, constitute and appoint:

JOHN G. MALONEY, HELEN MALONEY, SANDRA FIGUEROA, MARK D. IATAROLA, JESSICA SCHMAL
AND TRACY LYNN RODRIGUEZ JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of: ONE HUNDRED TWENTY FIVE MILLION (\$125,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on March 24, 2000 and Westport Insurance Corporation by written consent of its Executive Committee dated July 18, 2011.

"RESOLVED, that any two of the President, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached."



By [Signature]
Steven P. Anderson, Senior Vice President of Washington International Insurance Company
& Senior Vice President of North American Specialty Insurance Company
& Senior Vice President of Westport Insurance Corporation

By [Signature]
Mike A. Ito, Senior Vice President of Washington International Insurance Company
& Senior Vice President of North American Specialty Insurance Company
& Senior Vice President of Westport Insurance Corporation



IN WITNESS WHEREOF, North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 19TH day of JUNE, 2019.

North American Specialty Insurance Company
Washington International Insurance Company
Westport Insurance Corporation

State of Illinois
County of Cook ss:

On this 19TH day of JUNE, 2019, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of

Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Senior Vice President of Westport Insurance Corporation and Michael A. Ito Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Senior Vice President of Westport Insurance Corporation, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



[Signature]
M. Kenny, Notary Public

I, Jeffrey Goldberg, the duly elected Vice President and Assistant Secretary of North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 4TH day of FEBRUARY, 2021.

[Signature]
Jeffrey Goldberg, Vice President & Assistant Secretary of Washington International Insurance Company & North American Specialty Insurance Company & Vice President & Assistant Secretary of Westport Insurance Corporation

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** Plans, details, notes, and specifications for the construction of La Paz Mini Park, including demolition, grading, paving, shade structure (separate permit submittal), play area structures and safety surfacing, picnic tables, fitness equipment, drinking fountain, sidewalk and R/W improvements, planting, irrigation systems, drainage and other park amenities as shown on plans.
 - 1.1. The Work shall be performed in accordance with:
 - 1.1.1. The Notice Inviting Bids and Plans numbered **41071-1-D** through **41071-19-D**, inclusive.
2. **LOCATION OF WORK:** The location of the Work is as follows:

See **Appendix E – Location Map**
3. **CONTRACT TIME:** The Contract Time for completion of the Work, including the Plant Establishment Period, shall be **220 Working Days**.

ATTACHMENT B
RESERVED

ATTACHMENT C

RESERVED

ATTACHMENT D
PREVAILING WAGE

PREVAILING WAGE

1. **PREVAILING WAGE RATES:** Pursuant to San Diego Municipal Code section 22.3019, construction, alteration, demolition, repair and maintenance work performed under this Contract is subject to State prevailing wage laws. For construction work performed under this Contract cumulatively exceeding \$25,000 and for alteration, demolition, repair and maintenance work performed under this Contract cumulatively exceeding \$15,000, the Contractor and its subcontractors shall comply with State prevailing wage laws including, but not limited to, the requirements listed below.
 - 1.1. **Compliance with Prevailing Wage Requirements.** Pursuant to sections 1720 through 1861 of the California Labor Code, the Contractor and its subcontractors shall ensure that all workers who perform work under this Contract are paid not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations (DIR). This includes work performed during the design and preconstruction phases of construction including, but not limited to, inspection and land surveying work.
 - 1.1.1. Copies of such prevailing rate of per diem wages are on file at the City and are available for inspection to any interested party on request. Copies of the prevailing rate of per diem wages also may be found at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Contractor and its subcontractors shall post a copy of the prevailing rate of per diem wages determination at each job site and shall make them available to any interested party upon request.
 - 1.1.2. The wage rates determined by the DIR refer to expiration dates. If the published wage rate does not refer to a predetermined wage rate to be paid after the expiration date, then the published rate of wage shall be in effect for the life of this Contract. If the published wage rate refers to a predetermined wage rate to become effective upon expiration of the published wage rate and the predetermined wage rate is on file with the DIR, such predetermined wage rate shall become effective on the date following the expiration date and shall apply to this Contract in the same manner as if it had been published in said publication. If the predetermined wage rate refers to one or more additional expiration dates with additional predetermined wage rates, which expiration dates occur during the life of this Contract, each successive predetermined wage rate shall apply to this Contract on the date following the expiration date of the previous wage rate. If the last of such predetermined wage rates expires during the life of this Contract, such wage rate shall apply to the balance of the Contract.
 - 1.2. **Penalties for Violations.** Contractor and its subcontractors shall comply with California Labor Code section 1775 in the event a worker is paid less than the prevailing wage rate for the work or craft in which the worker is employed. This shall be in addition to any other applicable penalties allowed under Labor Code sections 1720 – 1861.

- 1.3. Payroll Records.** Contractor and its subcontractors shall comply with California Labor Code section 1776, which generally requires keeping accurate payroll records, verifying and certifying payroll records, and making them available for inspection. Contractor shall require its subcontractors to also comply with section 1776. Contractor and its subcontractors shall submit weekly certified payroll records online via the City's web-based Labor Compliance Program. Contractor is responsible for ensuring its subcontractors submit certified payroll records to the City.

 - 1.3.1.** Contractor and their subcontractors shall also furnish records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.
- 1.4. Apprentices.** Contractor and its subcontractors shall comply with California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning the employment and wages of apprentices. Contractor is held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.
- 1.5. Working Hours.** Contractor and their subcontractors shall comply with California Labor Code sections 1810 through 1815, including but not limited to: (i) restrict working hours on public works contracts to eight hours a day and forty hours a week, unless all hours worked in excess of 8 hours per day are compensated at not less than 1½ times the basic rate of pay; and (ii) specify penalties to be imposed on contractors and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections 1810 through 1815.
- 1.6. Required Provisions for Subcontracts.** Contractor shall include at a minimum a copy of the following provisions in any contract they enter into with a subcontractor: California Labor Code sections 1771, 1771.1, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.
- 1.7. Labor Code Section 1861 Certification.** Contractor in accordance with California Labor Code section 3700 is required to secure the payment of compensation of its employees and by signing this Contract, Contractor certifies that "I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract."
- 1.8. Labor Compliance Program.** The City has its own Labor Compliance Program authorized in August 2011 by the DIR. The City will withhold contract payments when payroll records are delinquent or deemed inadequate by the City or other governmental entity, or it has been established after an investigation by the City or other governmental entity that underpayment(s) have occurred. For questions or assistance, please contact the City of San Diego's Prevailing Wage Unit at 858-627-3200.

- 1.9. Contractor and Subcontractor Registration Requirements.** This project is subject to compliance monitoring and enforcement by the DIR. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid or proposal, subject to the requirements of section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.
- 1.9.1.** A Contractor's inadvertent error in listing a subcontractor who is not registered pursuant to Labor Code section 1725.5 in response to a solicitation shall not be grounds for filing a bid protest or grounds for considering the bid non-responsive provided that any of the following apply: (1) the subcontractor is registered prior to bid opening; (2) within twenty-four hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in Labor Code section 1725.5; or (3) the subcontractor is replaced by another registered subcontractor pursuant to Public Contract Code section 4107.
- 1.9.2.** By submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the DIR in compliance with Labor Code sections 1771.1 and 1725.5, and Contractor shall provide proof of registration for themselves and all listed subcontractors to the City at the time of bid or proposal due date or upon request.
- 1.10. Stop Order.** For Contractor or its subcontractors engaging in the performance of any public work contract without having been registered in violation of Labor Code sections 1725.5 or 1771.1, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractors or unregistered subcontractor(s) on ALL public works until the unregistered contractor or unregistered subcontractor(s) is registered. Failure to observe a stop order is a misdemeanor.
- 1.11. List of all Subcontractors.** The Contractor shall provide the list of subcontractors (regardless of tier), along with their DIR registration numbers, utilized on this Contract prior to any work being performed; and the Contractor shall provide a complete list of all subcontractors with each invoice. Additionally, Contractor shall provide the City with a complete list of all subcontractors (regardless of tier) utilized on this contract within ten working days of the completion of the contract, along with their DIR registration numbers. The City shall withhold final payment to Construction Management Professional until at least thirty (30) days after this information is provided to the City.

1.12. Exemptions for Small Projects. There are limited exemptions for installation, alteration, demolition, or repair work done on projects of \$25,000 or less. The Contractor shall still comply with Labor Code sections 1720 et. seq. The only recognized exemptions are listed below:

1.12.1. Registration. The Contractor will not be required to register with the DIR for small projects. (Labor Code section 1771.1).

1.12.2. Certified Payroll Records. The records required in Labor Code section 1776 shall be required to be kept and submitted to the City of San Diego, but will not be required to be submitted online with the DIR directly. The Contractor will need to keep those records for at least three years following the completion of the Contract. (Labor Code section 1771.4).

1.12.3. List of all Subcontractors. The Contractor shall not be required to hire only registered subcontractors and is exempt from submitting the list of all subcontractors that is required in section 1.11 above. (Labor code section 1773.3).

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

The following Supplementary Special Provisions (SSP) modifies the following documents:

1. The **2018 Edition** of the Standard Specifications for Public Works Construction (The "GREENBOOK").
2. The **2018 Edition** of the City of San Diego Standard Specifications for Public Works Construction (The "WHITEBOOK"), including the following:
 - a) General Provisions (A) for all Construction Contracts.

PART 0 – EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP)

SECTION A – GENERAL REQUIREMENTS

0-12 CONTRACT RECORDS AND REPORTS. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall maintain records of all subcontracts and invoices from your Subcontractors and Suppliers for work on this project. Records shall show name, telephone number including area code, and business address of each Subcontractor, Supplier, and joint venture partner, and the total amount actually paid to each firm. Project relevant records, regardless of tier, may be periodically reviewed by the City.
2. You shall retain all records, books, papers, and documents pertinent to the Contract for a period of not less than 5 years after Notice of Completion and allow access to said records by the City's authorized representatives.
3. You shall submit the following reports using the City's web-based contract compliance (Prism® portal):
 - a) **Monthly Payment.** You shall submit Monthly Payment Reporting by the 10th day of the subsequent month. Incomplete and/or delinquent reporting may cause payment delays, non-payment of invoices, or both.
4. The records maintained under item 1, described above, shall be consolidated into a Final Summary Report, certified as correct by an authorized representative of the Contractor. The Final Summary Report shall include all subcontracting activities and be sent to the EOCP Program Manager prior to Acceptance. Failure to comply may result in assessment of liquidated damages or withholding of retention. The City will review and verify 100% of subcontract participation reported in the Final Summary Report prior to approval and release of final retention to you. In the event your Subcontractors are owed money for completed Work, the City may authorize payment to subcontractor via a joint check from the withheld retention.

SECTION 1 – GENERAL, TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS

1-2 TERMS AND DEFINITIONS. To the “WHITEBOOK”, items 43, 56, 69, and 102, DELETE in their entirety and SUBSTITUTE with the following:

- 43. **Field Order** - A Field Order is a written agreement by the Engineer to compensate you for Work items in accordance with 2-8, “EXTRA WORK” or 2-9, “CHANGED CONDITIONS”. A Field Order does not change the Contract Price, Contract Time, or the scope intent of the Contract. The unused portion of the Field Order shall revert to the City upon Acceptance.
- 56. **Notice of Completion (NOC)** - A document recorded with the County of San Diego to signify that the Contract Work has been completed and accepted by the City.
- 69. **Punchlist** - A list of items of Work or corrections generated after a Walk-through that is conducted when you consider that the Work and Services are complete, and as verified by the Owner. The Punchlist may be completed in phases if defined in the Contract.
- 102. **Walk-through** - An inspection the City uses to verify the completion of the Project or phase of the Project and to generate a Punchlist prior to Acceptance.

To the “WHITEBOOK”, item 54, “Normal Working Hours”, ADD the following:

The **Normal Working Hours** are **7:00 AM to 5:00 PM**.

To the “WHITEBOOK”, ADD the following:

- 108. **Acceptance** – When all of the Contract Work, including all Punchlist items, is deemed officially complete by the City Asset Owning Department or Deputy City Engineer.
- 109. **Occupancy** – When the Owner deems a building is ready for use, the Owner will issue a certificate of Occupancy in writing.
- 110. **Substantial Completion** – When all Contract Work is deemed complete by the Contractor in writing, and as verified by the Owner. Substantial Completion may be completed in phases if defined in the Contract.

1-7.1.3 Requests for Information (RFI). To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

- 1. Should You discover a conflict, omission, errors in the Contract Documents, differences with existing field conditions, or have any questions concerning interpretation or clarification of Contract Documents, or when you propose deviations to the standards or design, you shall submit a Request for Information (RFI) to the City regarding your question or clarification within **1 Working Day**.

2. Your RFI shall meet the following requirements:
 - a) All RFIs, whether by You or your Subcontractor or supplier at any tier, shall be submitted by You to the City.
 - b) RFIs shall be numbered sequentially.
 - c) You shall clearly and concisely set forth the single issue for which interpretation or clarification is sought, indicate Specification Section numbers, Contract Drawing numbers, and details, or other items involved, and state why a response is required from the City.
 - d) RFIs shall be submitted within **1 Working Day** in order that they may be adequately researched and answered before the response affects any critical activity of the Work.
 - e) Should You believe that a response to an RFI causes a change to the requirements of the Contract, You shall, before proceeding, give written notice to the City, indicating that You believe that City response to the RFI to be a Change Order. Failure to give such written notice within **5 Working Days** of receipt of the City's response to the RFI shall waive Your right to seek additional time or cost.
3. The City will respond to RFIs within **5 Working Days** unless the City notifies You in writing that a response will take longer. The **5 Working Days** shall begin when the RFI is received and dated by the City. Responses from the City will not change any requirement of the Contract unless so noted by the City in the response to the RFI. The City will not issue a Change Order for Extra Work or additional time when the issue raised in the RFI was due to your fault, neglect, or any unauthorized deviations from the project design or specifications.
4. If You proceed in resolving a conflict, omission, or any error in the Contract Documents without sending the City an RFI in accordance with the requirements stated above, the City may require You to remove such work at Your cost or back charge You the cost to remove this work.

1-7.2 Contract Bonds. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Before execution of the Contract, file payment and performance bonds with the City to be approved by the Board in the amounts and for the purposes noted. Bonds shall be executed by a responsible surety as follows:
 - a) If the Work is being funded with state or local money, consistent with California Code of Civil Procedure §995.670, the Surety shall be an "admitted surety" authorized by the State of California Department of Insurance to transact surety insurance in the State.
 - b) If the Work is being funded with federal money, the Surety shall be listed in the U.S. Treasury Department Circular 570 and shall be in conformance with the specified Underwriting Limitations.

To the "WHITEBOOK", item 2, subsection "a", subsection "i", DELETE in its entirety and SUBSTITUTE with the following:

- i. A "Payment Bond" (Materials and Labor Bond) is optional. If no bond is submitted, no payment shall be made until 35 Calendar Days after Acceptance and any lien requirements have been fulfilled. If a bond is submitted, progress payments shall be made in accordance with these Specifications.

To the "WHITEBOOK", item 2, subsection "d", DELETE in its entirety and SUBSTITUTE with the following:

- d) For Contracts over \$100,000:
 - i. A "Payment Bond" (Materials and Labor Bond) for 100% of the Contract Price to satisfy claims of material Suppliers and of mechanics and laborers employed on the Work. You shall maintain the bond in full force and effect until Acceptance and until all claims for materials and labor are paid and shall otherwise comply with the Government Code.
 - ii. A "Faithful Performance Bond" for 100% of the Contract Price to guarantee faithful performance of Work, within the time prescribed and in a manner satisfactory to the City, that materials and workmanship shall be free from original or developed defects.

To the "WHITEBOOK", item 7, DELETE in its entirety and SUBSTITUTE with the following:

7. You shall require the Surety to mail its standard "Bond Status" form to the Engineer at the following address:

Deputy Director
Construction Management and Field Engineering Division
9573 Chesapeake Drive San Diego, CA 92123

SECTION 2 – SCOPE OF THE WORK

2-2 PERMITS, FEES, AND NOTICES. To the "WHITEBOOK", ADD the following:

2. You shall obtain the following permits:
 - a) Building Permit

SECTION 3 – CONTROL OF THE WORK

3-2 SELF-PERFORMANCE. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall perform, with your own organization, Contract Work amounting to at least **50%** of the Base Bid.

3-3 SUBCONTRACTORS. To the "WHITEBOOK", ADD the following:

6. When a Subcontractor fails to prosecute a portion of the Work in a manner satisfactory to the City, you shall remove such Subcontractor immediately upon written request of the City, and shall request approval of a replacement Subcontractor to perform the Work in accordance with California Public Contract Code (PCC), Subletting and Subcontracting, Section 4107, at no added cost to the City,

3-8.4 Supporting Information. To the "WHITEBOOK", ADD the following:

4. **Operations and Maintenance Manuals.** Prepare and deliver to the Resident Engineer within ten calendar days prior to completion of construction, two (2) three ring hard cover binders containing the following information:

Index sheet stating Contractor's address and telephone number, list of equipment with name and addresses of local manufacturers' representatives.

Catalog and parts sheets on all material and equipment. Contractor Guarantee statement.

Complete operating and maintenance instructions for all equipment.

In addition to the above mentioned maintenance manuals, provide the maintenance personnel with instructions for maintaining equipment and show evidence of such instruction in writing to the Resident Engineer at the conclusion of the project.

3-8.6 Manufacturer's Operation, Maintenance, and Warranty Instructions. To the "GREENBOOK", ADD the following:

Play Equipment Warranty

The Contractor shall provide the following warranties for the play equipment as follows:

100-YEAR LIMITED WARRANTY

On all PlayBooster, PlayShaper and PlaySense or approved equal aluminum posts, stainless steel fasteners, clamps, beams and caps, against structural failure due to corrosion/natural deterioration or manufacturing defects, and on PlayBooster, Evo and Weevo or approved equal steel posts and arches against structural failure due to material or manufacturing defects.

15-YEAR LIMITED WARRANTY

On all plastic components (including TuffTimber edging), all steel components (except 100-year steel posts), Mobius climbers, decks and TenderTuff coatings (except Wiggle Ladders, Chain Ladders and Swing Chain) or approved equal against structural failure due to material or manufacturing defects. TuffTurf or approved equal tiles against material or manufacturing defects.

10-YEAR LIMITED WARRANTY

On concrete products against structural failure due to natural deterioration or manufacturing defects. Does not cover minor chips, hairline cracks or efflorescence.

8-YEAR LIMITED WARRANTY

On Aeronet or approved equal climbers and climbing cables against defects in materials or manufacturing defects. On CoolToppers or approved equal fabric against failure from significant fading, deterioration, breakdown, mildew, outdoor heat, cold or discoloration. This warranty is limited to the design loads as stated in the specifications found in the technical information.

3-YEAR LIMITED WARRANTY

On all other parts, i.e.: CableCore or approved equal products, swing seats and hangers, grills, Mobius or approved equal climber handholds, Wiggle Ladders, Chain Ladders and Swing Chain, Track Ride trolleys and bumpers, all rocking equipment including Sway Fun or approved equal gliders, PVC belting material, HealthBeat or approved equal hydraulic cylinders, Seesaws, Wiggle Ring Bridge, etc. or approved equal, against failure due to corrosion/natural deterioration or manufacturing defects.

This warranty does not include any cosmetic issues or wear and tear from normal use. It is valid only if the play structures and/or equipment are erected to conform with manufacture installation instructions and maintained according to the maintenance procedures furnished by manufacturer.

3-9 TECHNICAL STUDIES AND SUBSURFACE DATA. To the "WHITEBOOK", ADD the following:

5. In preparation of the Contract Documents, the designer has relied upon the following reports of explorations and tests at the Work Site:
 - a) Geotechnical Evaluation of La Paz Mini Park Dated 8/3/2018 by Ninyo & Moore.
6. The reports listed above are available for review at the following link:
1. <https://filecloud.sandiego.gov/url/fns9k6n3ey7ft3fj> preservation of all survey related marks shall be included in the Contract Price.

3-10 SURVEYING.

3-10.1 General.

1. You shall provide all required site layout and general grade checking work not specified in below Sections 3-10.2.
2. Notify the City, in writing, at least two (2) working days prior to requesting survey services provided by the City.

3-10.2 Survey Services Provided by City.

1. Monument Perpetuation, including mark-outs, will be performed by the City, unless otherwise noted. Coordination of these services will be your duty , through the Resident Engineer. If, at any time, an existing survey monument is, or will be, destroyed or disturbed during the course of construction you shall notify the Resident Engineer so that the monument is preserved or perpetuated in accordance with state law.
2. The following surveying services, as defined in Cal. Bus. & Prof. Code §8726, shall be provided by the City:
 - a) Locate or establish a minimum of four (4) project geodetic survey control points providing horizontal and vertical reference values for site feature and structure layout reference locations;
 - b) Locate, establish or reestablish project site boundary lines, survey monuments, right-of-way lines, or easement lines;
 - c) Locate or establish building design structure locations (building corners or envelope limits) sufficient for structure construction.

3-10.3 Payment.

1. The payment for site layout and general grade checking Work, coordination, and preservation of all survey related marks shall be included in the Contract Price.

3-13.1 Completion. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall submit a written assertion that the Work has been completed and is ready for Owner Acceptance. If, in the Engineer's judgment, the Work has been completed in accordance with the Contract Documents, the Engineer will set forth in writing the date the Work was completed. This will be the date that you are relieved from responsibility to protect and maintain the Work and to which liquidated damages will be computed.

3-13.1.1 Requirements Before Requesting a Walk-through. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

3-13.1.1 Requirements Before Requesting Substantial Completion.

1. The following items are required prior to requesting a Substantial Completion:
 - a) Remove temporary facilities from the Site.
 - b) Thoroughly cleaning the Site and removing all mark outs and construction staking.

- c) Provide completed and signed Red-lines in accordance with 3-7.3 "Redlines and Record Documents".
- d) Provide all material and equipment maintenance and operation instructions and/or manuals.
- e) Provide all tools which are permanent parts of the equipment installed in the Project.
- f) Provide and properly identify all keys for construction and all keys for permanent Work.
- g) Provide all final Special Inspection reports required by the applicable building Code.
- h) Provide all items specified to be supplied as extra stock. Wrap, seal, or place in a container all items as necessary to allow for storage by the City for future use. Verify the specified quantities.
- i) Ensure that all specified EOCP and certified wage rate documentations covering the Contract Time have been submitted.
- j) Provide the spare parts for the proposed irrigation system as specified in the Special Provisions.
- k) If the Work includes sewer and storm drain installations, the inspection shall include televising in accordance with 306-18, "VIDEO INSPECTION".
- l) If the Work includes a Plant Establishment Period, Work in accordance with 801-6, "MAINTENANCE AND PLANT ESTABLISHMENT" shall be completed prior to requesting Substantial Completion, unless approved otherwise by the Owner.
- m) Notify the Engineer to arrange a final inspection of permanent BMPs installed.

3-13.1.2 Walk-through and Punchlist Procedure. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall notify the Engineer 15 Working Days in advance of date of anticipated Substantial Completion to allow time for Engineer to schedule a Walk-through. After you complete the requirements in 3-13.1.1, "Requirements Before Requesting Substantial Completion" and when you consider that the Work is Substantially Complete, you will notify the Engineer in writing that the Project is Substantially Complete. The Engineer will review your request and determine if the Project is ready for a Walk-through, by verifying whether you have completed all items as required by 3-13.1.1, "Requirements Before Requesting Substantial Completion". Within 7 Working Days, the City will either

reject your request of a Walk-through in writing or schedule a Walk-through inspection. The Engineer shall facilitate the Walk-through.

2. The following documents shall be provided at the time of your Walk-through request: As-Built markup, Plans, specifications, technical data such as submittals and equipment manuals, draft final payment, warranties, material certifications, bonds, guarantees, maintenance service agreements, and maintenance and operating manuals.
3. Written warranties, except manufacturer's standard printed warranties, shall be on a letterhead addressed to you. Warranties shall be submitted in the format described in this section, modified as approved by the City, to suit the conditions pertaining to the warranty. Lack of submitting these items will delay start of Walk-through.
4. The Engineer will provide you with the Punchlist within 15 Working Days after the date of the Walk-through. The City shall not provide a preliminary Punchlist.
5. If the Engineer finds that the Project is not Substantially Complete as defined herein, the Engineer will terminate the Walk-through and notify you in writing.
6. If, at any time during the Engineer's evaluation of the corrective Work required by the Punchlist, the Engineer discovers that additional corrective Work is required, the Engineer may include that corrective Work in the Punchlist.
7. You shall remain solely responsible for the Project Site until the Project is completely operational, all Punchlist items have been corrected, and all operation and maintenance manuals have been accepted by the City.
8. The Engineer shall meet with you within 5 Working Days of notification that all Punchlist items are corrected. You shall complete the Punchlist within 30 Working Days, and Working Days will continue to be counted until Acceptance of the Project.

3-13.2 Acceptance. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall provide the completed, signed, and stamped DS-563 to the Engineer prior to Acceptance.
2. You shall deliver the final As-builts and final billing prior to Acceptance.
3. You shall assemble and deliver to the Engineer a Final Summary Report and Affidavit of Disposal prior to Acceptance.
4. Acceptance shall occur after all of the requirements contained in the Contract Documents have been fulfilled. If, in the Engineer's judgment, you have fully performed the Contract, the Engineer will recommend to the City Engineer that your performance of the Contract be accepted. You shall receive notification of Acceptance in writing from the Owner and counting of working days shall cease and Warranty begins.

5. Retention can be released 35 Calendar Days after NOC. Submit your request for retention to the Resident Engineer and they will mail to you a "Release of Claims" form which shall be completed and returned before the retention will be released.

3-13.3

Warranty. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall warranty and repair all defective materials and workmanship for a period of 1 year. This call back warranty period shall start on the date the Work was accepted by the City unless the City has Beneficial Use or takes Occupancy of the project earlier (excluding water, sewer, and storm drain projects).
2. You shall warranty the Work free from all latent defects for 10 years and patent defects for a period of 4 years.
3. The warranty period for specific items covered under manufacturers' or suppliers' warranties shall commence on the date they are placed into service at the direction of the Engineer in writing.
4. All express warranties from Subcontractors, manufacturers', or Suppliers', of any tier, for the materials furnished and Work performed shall be assigned, in writing, to the City, and shall be delivered to the Engineer prior to the Acceptance of your performance of the Contract.
5. Replace or repair defective materials and workmanship in a manner satisfactory to the Engineer after notice to do so from the Engineer and within the time specified in the notice. If you fail to make such replacements or repairs within the time specified in the notice, the City may perform the replacement or repairs at your expense. If you fail to reimburse the City for the actual costs, your Surety shall be liable for the cost
6. Items that shall be warranted free from defective workmanship and materials for a period longer than 1 year are as follows:

Specified Item	Minimum Warranty Period
Detectable Warning Tile Construction	3 Years of Manufacturer's Warranty
All Work Under SECTION 500 - PIPELINE REHABILITATION	3 Years
Fiber Optic Interconnect Cables	2 Years
Luminaires*	10 Years of Manufacturer's Warranty
LED Signal Modules	3 Years of Manufacturer's Warranty

Specified Item	Minimum Warranty Period
Field Devices Associated with 700-6.3, "Adaptive Control Note"	See 700-6.3.9, "Warranty"

* Provide documentation verifying that the induction luminaire models being offered for the Project are covered by the 10-year warranty.

7. If installed, you shall provide the City and property owner a copy of the manufacturer's warranty for private sewer pumps, including the alarm panel and all other accessories.
 - a) You shall involve the manufacturer in the installation and startup as needed to secure any extended warranty required.
 - b) Nothing in here is intended to limit any manufacturer's warranty which provides the City with greater warranty rights than set forth in this section or the Contract Documents.
 - c) The warranty shall include all components. The form of the warranty shall be approved by the Engineer in accordance with 3-13.3.2, "Warranty Format Requirements".
8. If, during the warranty period, any item of the Work is found to be Defective Work, you shall correct it promptly after receipt of written notice from the City to do so. The warranty period shall be extended with respect to portions of the Work corrected as part of the warranty requirements.

SECTION 4 - CONTROL OF MATERIALS

4-3.4 Specialty Inspection Paid for by the Contractor. To the "WHITEBOOK", ADD the following:

2. The specialty inspections required are listed as follows:
 - a) Play equipment and safety surfacing.
 - b) Concrete work 3000 PSI and greater.
 - c) Shade structure.

4-3.6 Preapproved Materials. To the "WHITEBOOK", ADD the following:

3. You shall submit in writing a list of all products to be incorporated in the Work that are on the AML.

4-6 TRADE NAMES. To the “WHITEBOOK”, ADD the following:

11. You shall submit your list of proposed substitutions for an “equal” item **no later than 5 Working Days after the determination of the Apparent Low Bidder** and on the City’s Product Submittal Form available at:

<https://www.sandiego.gov/ecp/edocref/>

SECTION 5 – LEGAL RELATIONS AND RESPONSIBILITIES

5-4 INSURANCE. To the “GREENBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

5-4 INSURANCE.

1. The insurance provisions herein shall not be construed to limit your indemnity obligations contained in the Contract.

5-4.1 Policies and Procedures.

1. You shall procure the insurance described below, at its sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or Subcontractors.
2. Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.
3. You shall maintain this insurance for the duration of this Contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this Contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this Contract.
4. The payment for insurance shall be included in the Contract Price as bid by you. Except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any Work under this Contract until you have provided and the City has approved all required insurance.
5. Policies of insurance shall provide that the City is entitled to 30 Days (10 Days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract.

5-4.2 Types of Insurance.

5-4.2.1 Commercial General Liability Insurance.

1. Commercial General Liability Insurance shall be written on the current version of the ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad.

2. The policy shall cover liability arising from premises and operations, XCU (explosions, underground, and collapse), independent contractors, products/completed operations, personal injury and advertising injury, bodily injury, property damage, and liability assumed under an insured's contract (including the tort liability of another assumed in a business contract).
3. There shall be no endorsement or modification limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. You shall maintain the same or equivalent insurance for at least 10 years following completion of the Work.
4. All costs of defense shall be outside the policy limits. Policy coverage shall be in liability limits of not less than the following:

<u>General Annual Aggregate Limit</u>	<u>Limits of Liability</u>
Other than Products/Completed Operations	\$2,000,000
Products/Completed Operations Aggregate Limit	\$2,000,000
Personal Injury Limit	\$1,000,000
Each Occurrence	\$1,000,000

5-4.2.2 Commercial Automobile Liability Insurance.

1. You shall provide a policy or policies of Commercial Automobile Liability Insurance written on the current version of the ISO form CA 00 01 12 90 or later version or equivalent form providing coverage at least as broad in the amount of \$1,000,000 combined single limit per accident, covering bodily injury and property damage for owned, non-owned, and hired automobiles ("Any Auto").
2. All costs of defense shall be outside the limits of the policy.

5-4.2.5 Contractors Builders Risk Property Insurance.

1. You shall provide at your expense, and maintain until Final Acceptance of the Work, a Special Form Builders Risk Policy or Policies. This insurance shall be in an amount equal to the replacement cost of the completed Work (without deduction for depreciation) including the cost of excavations, grading, and filling. The policy or policies limits shall be 100% of this Contract value of the Work plus 15% to cover administrative costs, design costs, and the costs of inspections and construction management.
2. Insured property shall include material or portions of the Work located away from the Site but intended for use at the Site and shall cover material or portions of the Work in transit. The policy or policies shall include as insured property scaffolding, falsework, and temporary buildings located at the Site. The policy or policies shall cover the cost of removing debris, including demolition.
3. The policy or policies shall provide that all proceeds thereunder shall be payable to the City as Trustee for the insured, and shall name the City, the Contractor,

Subcontractors, and Suppliers of all tiers as named insured. The City, as Trustee, will collect, adjust, and receive all monies which may become due and payable under the policy or policies, may compromise any and all claims thereunder, and will apply the proceeds of such insurance to the repair, reconstruction, or replacement of the Work.

4. Any deductible applicable to the insurance shall be identified in the policy or policies documents and responsibility for paying the part of any loss not covered because of the application of such deductibles shall be apportioned among the parties except for the City as follows: if there is more than one claimant for a single occurrence, then each claimant shall pay a pro-rata share of the per occurrence deductible based upon the percentage of their paid claim to the total paid for insured. The City shall be entitled to 100% of its loss. You shall pay the City any portion of that loss not covered because of a deductible at the same time the proceeds of the insurance are paid to the City as trustee.
5. Any insured, other than the City, making claim to which a deductible applies shall be responsible for 100% of the loss not insured because of the deductible. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

5-4.3 Rating Requirements. Except for the State Compensation Insurance Fund, all insurance required by this Contract as described herein shall be carried only by responsible insurance companies with a rating of, or equivalent to, at least "A-, VI" by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State, and that have been approved by the City.

5-4.3.1 Non-Admitted Carriers. The City will accept insurance provided by non-admitted, "surplus lines" carriers only if the carrier is authorized to do business in the State and is included on the List of Approved Surplus Lines Insurers (LASLI list).

All policies of insurance carried by non-admitted carriers shall be subject to all of the requirements for policies of insurance provided by admitted carriers described herein.

5-4.4 Evidence of Insurance. Furnish to the City documents e.g., certificates of insurance and endorsements evidencing the insurance required herein, and furnish renewal documentation prior to expiration of this insurance. Each required document shall be signed by the insurer or a person authorized by the insurer to bind coverage on its behalf. We reserve the right to require complete, certified copies of all insurance policies required herein.

5-4.5 Policy Endorsements.

5-4.5.1 Commercial General Liability Insurance.

5-4.5.1.1 Additional Insured.

1. You shall provide at your expense policy endorsement written on the current version of the ISO Occurrence form CG 20 10 11 85 or an equivalent form providing coverage at least as broad.

2. To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.
3. The additional insured coverage for projects for which the Engineer's Estimate is \$1,000,000 or more shall include liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products,
 - c) your Work, e.g., your completed operations performed by you or on your behalf, or
 - d) premises owned, leased, controlled, or used by you.
4. The additional insured coverage for projects for which the Engineer's Estimate is less than \$1,000,000 shall include liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products, or
 - c) premises owned, leased, controlled, or used by you.

5-4.5.1.2 Primary and Non-Contributory Coverage. The policy shall be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives. Further, it shall provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

5-4.5.1.3 Project General Aggregate Limit. The policy or policies shall be endorsed to provide a Designated Construction Project General Aggregate Limit that will apply only to the Work. Only claims payments which arise from the Work shall reduce the Designated Construction Project General Aggregate Limit. The Designated Construction Project General Aggregate Limit shall be in addition to the aggregate limit provided for the products-completed operations hazard.

5-4.5.2 Commercial Automobile Liability Insurance.

5-4.5.2.1 Additional Insured. Unless the policy or policies of Commercial Auto Liability Insurance are written on an ISO form CA 00 01 12 90 or a later version of this form or equivalent form providing coverage at least as broad, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured, with respect to liability arising out of automobiles owned, leased, hired or borrowed by you or on your behalf. This endorsement is limited to the obligations permitted by California Insurance Code §11580.04.

5-4.5.5 Builders Risk Endorsements.

5-4.5.5.1 Waiver of Subrogation. The policy or policies shall be endorsed to provide that the insurer will waive all rights of subrogation against the City, and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from Work performed by the Named Insured for the City.

5-4.5.5.2 Builders Risk – Partial Utilization. If the City desires to occupy or use a portion or portions of the Work prior to Acceptance in accordance with this Contract, the City will notify you and you shall immediately notify your Builder's Risk insurer and obtain an endorsement that the policy or policies shall not be cancelled or lapse on account of any such partial use or occupancy. You shall obtain the endorsement prior to the City's occupation and use.

5-4.6 Deductibles and Self-Insured Retentions. You shall pay for all deductibles and self-insured retentions. You shall disclose deductibles and self-insured retentions to the City at the time the evidence of insurance is provided.

5-4.7 Reservation of Rights. The City reserves the right, from time to time, to review your insurance coverage, limits, deductibles and self-insured retentions to determine if they are acceptable to the City. The City will reimburse you, without overhead, profit, or any other markup, for the cost of additional premium for any coverage requested by the Engineer but not required by this Contract.

5-4.8 Notice of Changes to Insurance. You shall notify the City 30 Days prior to any material change to the policies of insurance provided under this Contract.

5-4.9 Excess Insurance. Policies providing excess coverage shall follow the form of the primary policy or policies e.g., all endorsements.

5-4.10 Architects and Engineers Professional Insurance (Errors and Omissions Insurance).

1. For Contracts with required engineering services (e.g., Design-Build, preparation of engineered Traffic Control Plans (TCP), and etc) by you, you shall keep or require all of your employees or Subcontractors, who provide professional engineering services under this contract, Professional Liability coverage with a limit of **\$1,000,000** per claim and **\$2,000,000** annual aggregate in full force and effect.
2. You shall ensure the following:
 - a) The policy retroactive date is on or before the date of commencement of the Project.
 - b) The policy will be maintained in force for a period of 3 years after completion of the Project or termination of this Contract, whichever occurs last. You agree that for the time period specified above, there will be no changes or endorsements to the policy that affect the specified coverage.

3. If professional engineering services are to be provided solely by the Subcontractor, you shall:
 - a) Certify this to the City in writing and
 - b) Agree in writing to require the Subcontractor to procure Professional Liability coverage in accordance with the requirements set forth above.

5-4.11 Workers' Compensation Insurance and Employers Liability Insurance.

1. In accordance with the provisions of §3700 of the California Labor Code, you shall provide at your expense Workers' Compensation Insurance and Employers Liability Insurance to protect you against all claims under applicable state workers compensation laws. The City, its elected officials, and employees will not be responsible for any claims in law or equity occasioned by your failure to comply with the requirements of this section.

2. Limits for this insurance shall be not less than the following:

<u>Workers' Compensation</u>	<u>Statutory Employers Liability</u>
Bodily Injury by Accident	\$1,000,000 each accident
Bodily Injury by Disease	\$1,000,000 each employee
Bodily Injury by Disease	\$1,000,000 policy limit

3. By signing and returning the Contract you certify that you are aware of the provisions of §3700 of the Labor Code which requires 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 you shall comply with such provisions before commencing the Work as required by §1861 of the California Labor Code.

5-4.11.1 Waiver of Subrogation. The policy or policies shall be endorsed to provide that the insurer will waive all rights of subrogation against the City and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from Work performed by the Named Insured for the City.

5-10.2.1 Public Notice by Contractor. To the "WHITEBOOK", items 2 and 3, DELETE in their entirety and SUBSTITUTE with the following:

2. No less than 5 Working Days in advance of Project construction activities and utility service interruptions, you shall notify all critical facilities, businesses, institutions, property owners, residents, or any other impacted stakeholders within a minimum 300-foot (90 m) radius of the Project. Verbal and written notifications shall be sent to critical facilities (including but not limited to police stations, fire stations, hospitals, and schools). A copy of written notifications sent to any critical facility shall also be sent to the Resident Engineer. You shall keep records of the people contacted, along with the dates of notification, and

shall provide the record to the Engineer upon request. You shall identify all other critical facilities that need to be notified.

3. Furnish and distribute public notices in the form of door hangers using the City's format to all occupants and/or property owners along streets:
 - a) Where Work is to be performed at least 5 Working Days before starting construction or survey activities or impacting the community as approved by the Resident Engineer.
 - b) Within 5 Working Days of the completion of your construction activities where Work was performed, you shall distribute public notices in the form of door hangers, which outlines the anticipated dates of Asphalt Resurfacing or Slurry Seal.
 - c) 72 hours in advance of the scheduled resurfacing.

5-13 ELECTRONIC COMMUNICATION. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Virtual Project Manager shall be used on this Contract.
2. You shall post all communications addressed to the Engineer concerning construction including RFIs, submittals, daily logs including the Weekly Statement of Working Days (WSWD), Storm Water, and transmittals to the Virtual Project Manager (VPM) website established for the Projects. This shall not supersede any Federal requirements.
3. Maintain a list of scheduled activities including planned and actual execution dates for all major construction activities and milestones defined in the approved Schedule.
4. Review and act on all communications addressed to you in the VPM project website.
5. A user's guide to the VPM system is available on the City's website and shall be provided to you at the Pre-construction Meeting. Refer to the VPM training videos and forms at the location below:

<https://www.sandiego.gov/ecp/edocref/>
6. Submit the Sensitive Information Authorization Acknowledgement Form and VPM User Agreement located in the VPM user's guide at the Pre-construction Meeting.

5-15.1 General. To the "WHITEBOOK", item 10, DELETE in its entirety and SUBSTITUTE with the following:

10. If your construction activities have encountered flammable liquids or other hazardous substances, you shall ensure that construction staff have the

required Hazardous Waste Operations and Emergency Response (HAZWOPER) certification. Construction staff shall include: City Engineers, City Laboratory Technicians, and City staff that perform onsite inspections.

- a) If your Work encounters flammable liquids or other hazardous substances, you shall be responsible for scheduling training for all construction staff to attend and for submitting verification to the Engineer that construction staff have the required HAZWOPER certification prior to continuing that Work in that area. You shall maintain the HAZWOPER certifications annually until the construction activities triggering the requirement is complete, as approved by the Resident Engineer.

SECTION 6 – PROSECUTION AND PROGRESS OF THE WORK

6-1.1 Construction Schedule. To the “WHITEBOOK”, item 1, subsection “e” and “s”, DELETE in their entirety and SUBSTITUTE with the following:

- e) Monthly progress payments are contingent upon the submittal of an updated Schedule to the Engineer. The Engineer may refuse to process the whole or part of any monthly payment if you refuse or fail to provide an acceptable schedule.
- s) Submit an updated cash flow forecast with every pay request (for each Project ID or WBS number provided in the Contract) showing periodic and cumulative construction billing amounts for the duration of the Contract Time. If there has been any Extra Work since the last update, include only the approved amounts.
 - i. Refer to the Sample City Invoice materials in **Appendix D – Sample City Invoice with Cash Flow Forecast** and use the format shown.
 - ii. See also the “Cash Flow Forecast Example” at the location below:
<https://www.sandiego.gov/ecp/edocref/>

To the “WHITEBOOK”, ADD the following:

3. The **90 Calendar Day** Plant Establishment Period is included in the stipulated Contract Time and shall begin with the acceptance of installation of the vegetation plan in accordance with Section 801-6, “MAINTENANCE AND PLANT ESTABLISHMENT”.

6-1.5.2 Excusable Non-Compensable Delays. To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

6-1.5.2 Excusable Non-Compensable and Concurrent Delays.

1. The City shall only issue an extension of time for Excusable Delays that meet the requirements of 6-4.2, “Extensions of Time” for the following circumstances:
 - a) Delays resulting from Force Majeure.

- b) Delays caused by weather.
 - c) Delays caused by changes to County, State, or Federal law.
2. When a non-excusable delay is concurrent with an Excusable Delay, you shall not be entitled to an extension of Contract Time for the period the non-excusable delay is concurrent with the Excusable Delay.
 3. When an Excusable Non-Compensable Delay is concurrent with an Excusable Compensable Delay, you shall be entitled to an extension of Contract Time, but shall not be entitled to compensation for the period the Excusable Non-Compensable Delay is concurrent with the Excusable Compensable Delay.

6-4.2 Extensions of Time. To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. The Contract Time shall not be modified except by Change Order.
2. You shall notify the City in writing within **1 Working Day** after the occurrence and discovery of an event that impacts the Project Schedule.
 - a) If you believe this event requires a Change Order, you shall submit a **written Change Order request with a report to** the City that explains the request for Change Order within **5 Working Days**. The Change Order request must include supporting data, a general description of the discovery, the basis for extension, and the estimated length of extension. The City may grant an extension of time, in writing, for the Change Order request if you require more time to gather and analyze data.
3. The Engineer shall not grant an extension of Contract Time in accordance with 6-1.5, “Excusable Delays” unless you demonstrate, through an analysis of the critical path, the following:
 - a) The event causing the delay impacted the activities along the Project’s critical path.
 - b) The increases in the time to perform all or part of the Project beyond the Contract Time arose from unforeseeable causes beyond your control and without your fault or negligence and that all project float has been used.
4. Any modifications to the Contract Time will be incorporated into the weekly document that the Engineer issues that stipulates the Contract Time. If you do not agree with this document, submit to the Engineer for review a written protest supporting your objections to the document within **30 Calendar Days** after receipt of the statement. Your failure to file a timely protest shall constitute your acceptance of the Engineer’s weekly document.

- a) Your protest will be considered a claim for time extension and shall be subject to 2-10.1, "Claims".

6-4.4 **Written Notice and Report.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Your failure to notify the Resident Engineer within **1 Working Day** OR provide a Change Order request within **5 Working Days** after the event, in accordance with 6-4.2, "Extensions of Time", will be considered grounds for refusal by the City to consider such request if your failure to notify prejudices the City in responding to the event.

ADD:

6-6.1.1 **Environmental Document.**

1. The City of San Diego has prepared a **Notice of Exemption for Valencia Park Acquisition & Development Project (La Paz Mini Park)**, Project No. **S-11103.02.06**, as referenced in the Contract Appendix. You shall comply with all requirements of the **Notice of Exemption** as set forth in **Appendix A**.
2. Compliance with the City's environmental document shall be included in the Contract Price, unless separate bid items have been provided.

SECTION 7 – MEASUREMENT AND PAYMENT

7-3.1 **General.** To the "GREENBOOK" and "WHITEBOOK", paragraph (8), DELETE in its entirety and SUBSTITUTE with the following:

If, within the time fixed by law, a properly executed notice to stop payment is filed with the City, due to your failure to pay for labor or materials used in the Work, all money due for such labor or materials will be withheld from payment in accordance with applicable laws.

To the "WHITEBOOK", ADD the following:

1. Unless specified otherwise, the Contract Price includes use, consumer, and other taxes mandated by applicable legal requirements.
2. As provided in §7105 of the California Public Contract Code, if the Contract is not financed by revenue bonds, you are not responsible for the cost of repairing or restoring damage to the Project when damage was proximately caused by an act of God, in excess of 5% of the Contract Price, if the following occur:
 - a) The Project damaged was built in accordance with the Contract requirements.
 - b) There are no insurance requirements in the Contract for the damages.
3. The Lump Sum Bid item for "**Construction of Park Improvements**" shall include demolition, grading, paving, shade structure, play area structures and

safety surfacing, picnic tables, fitness equipment, drinking fountain, sidewalk and R/W improvements, planting, irrigation systems, drainage and other park amenities as specified in the Plans, Contract Documents.

7-3.2 Partial and Final Payment. To the "GREENBOOK", paragraph (3), DELETE in its entirety and SUBSTITUTE with the following:

Upon commencement of the Work, an escrow account shall be established in a financial institution chosen by you and approved by the City. Documentation for an escrow payment shall have an escrow agreement signed by you, the City, and the escrow agent. From each progress payment, no less than 5% will be deducted and deposited by the City into the escrow account. Upon completion of the Contract, the City will notify the Escrow agent in writing to release the funds to you. Only the designated representative of the City shall sign the request for the release of Escrow funds.

To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. The Final Payment, which is the release of Retention, shall be paid to you after you have successfully submitted the following required documents.
 - a) An affidavit that payrolls and bills for materials, equipment, and other indebtedness connected with the Work for which the City or the City's property might be responsible for or encumbered by.
 - b) A certificate evidencing that insurances required by the Contract Documents shall remain in force after Final Payment is currently in effect and shall not be canceled or allowed to expire until at least a 30 Calendar Days prior written notice has been given to the Engineer.
 - c) Consent of Surety to Final Payment.
 - d) If required by the Engineer, other data establishing payment or satisfaction of obligations such as receipts, releases and waivers of liens, claims, and security interests or encumbrances arising out of the Contract Documents. If a Subcontractor refuses to furnish a release or waiver required by the City, you may furnish a bond satisfactory to the Engineer to indemnify the City against such lien.
 - e) If required in the Contract Documents, the successful completion and submittal of the required reports such as construction demolition, waste recycling, and hydrostatic discharge reports.
 - f) Required EOCP Final Summary Report in accordance with Section 0-12, "Contract Records and Reports", record drawings, operations manuals, test reports, warranty documentation, and UL labels shall be submitted before requesting the release of retention.
 - g) Acceptance of the completed Project by the asset owning Department.

To the "WHITEBOOK", ADD the following:

2. Submit an invoice for payment after you successfully complete the required documents and the City will pay the invoice within 30 Calendar Days. The City will pay 6% annually for late retention payments.

7-3.2.1 Application for Progress Payment. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. The City shall not pay progress or partial payments until you submit to the Engineer an acceptable updated Schedule. It is solely your responsibility to prepare and submit the Schedule updates.

7-3.2.2 Amount of Progress Payments. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The City will pay 6% annually for late progress payments.
2. Progress payments will be considered "late" if the following occur:
 - a) The City does not pay the contractor within 30 Calendar Days from receipt of an undisputed and properly submitted invoice. A properly submitted payment invoice means that the City has approved for payment the entire invoice amount or if the Resident Engineer has not disputed any portion of the application within 7 Calendar Days of the date of submission.
 - b) The application for payment does not require signing of a Contract Change Order.
3. The Engineer may withhold payment for any of the following reasons:
 - a) Defective or incomplete Work.
 - b) Not providing an updated and accurate Cost Loaded Construction Schedule in accordance with 6-1.1, "Construction Schedule".
 - c) Stop notices, wage orders, or other withholdings required by Applicable Law. Your failure to comply with 5-3.3, "Payroll Records" and the Contractor Registration and Electronic Reporting System requirements of the Contract Documents.
4. The Engineer may back charge the contract for any of the following reasons:
 - a) Defective or incorrect Work not remedied.
 - b) Damage to City property or a third party's property that was caused by you.
 - c) Liquidated Damages.

7-3.2.3 Waiver of Claims at Final Payment. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Your acceptance of Final Payment constitutes a waiver of affirmative Claims by you, except those previously made in writing and identified as unsettled at the time of Final Payment.

7-3.2.4 Withholding of Payment and Back Charge. To the “WHITEBOOK”, DELETE in its entirety.

7-3.5.1 General. To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. Unit Bid prices shall not be subject to adjustment regardless of quantity used, or if none is used, for the following Bid items:
 - a) imported backfill
 - b) shoring
 - c) water services
 - d) house connection sewers
 - e) water pollution control items
2. Upon discovery and prior to the Work, you shall notify the Resident Engineer if there is a change in Bid item quantity that increases the total Contract Price by 5% or \$100,000 or more, whichever is less.

7-3.9 Field Orders. To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. If the cumulative total of Field Order items of Work does not exceed the “Field Orders” Bid Item, the City shall pay those Field Orders as shown below:

**TABLE 7-3.9
FIELD ORDER LIMITS**

Contract Price	Maximum Field Order Work Amount
Less than \$100,001	\$2,500
\$100,001 to \$1,000,000	\$5,000
\$1,000,001 to \$5,000,000	\$10,000
\$5,000,001 to \$15,000,000	\$20,000
\$15,000,001 to \$30,000,000	\$40,000
Greater than \$30,000,000	\$50,000

2. Field Order items of Work for contracts greater than \$15,000,000 will require additional approvals from the City prior to its approval by the Resident Engineer.
3. The City will issue a Field Order only after the City's acceptance of the cost of the field order amount.

4. Field Orders shall not be used to add scope or to include extensions of time related to changes in work.
5. If in the event there is a change related to the critical path on the project which necessitates an extension of time and the change amount is within the Field Order limits shown on Table 7-3.9, then a Field Order can be issued to compensate you for the approved costs. Any extensions of time associated with the change shall be included in a subsequent Change Order and no additional compensation shall be granted as part of the change order for the extension of time.
6. The unused portions of Field Orders Bid item shall revert to the City upon Acceptance.

7-4.3

Markup. To the "WHITEBOOK", item 4, DELETE in its entirety and SUBSTITUTE with the following:

4. When a Subcontractor is performing Extra Work, the allowance for overhead and profit shall be applied to the labor, materials, and equipment costs of the Subcontractor as follows:
 - a) Regardless of the number of a Subcontractor's tasks for Extra Work, you may only apply 10% for the first \$50,000 of the Subcontractor's portion of accumulated total cost then 5% for any remaining costs. You shall not apply 10% to any costs after the first \$50,000 of accumulated total costs from performing Extra Work.
 - b) If the accumulated costs of single or subsequent tasks exceed the \$50,000 threshold, you shall instead only apply 5% to any amounts in excess of the \$50,000.
 - c) Regardless of the number of hierarchical tiers of Subcontractors, you may only markup a Subcontractor's Work once.

SECTION 200 – ROCK MATERIALS

200-1.1

General. To the "GREENBOOK", ADD the following:

Rock products shall be derived from a single source and of the same stock to ensure uniformity of material. Physical samples shall be submitted for each rock product per Greenbook Sections 200-1 "Rock Products" and 200-2 "Untreated Base Materials" for approval by the Resident Engineer. Samples shall illustrate full variety of the color range and size for each item specified. When a rock product is specified for varying range sizes, a sample and/or representative photo shall be provided for each size range. Photos shall be taken of the actual product to be furnished.

ADD:

200-1.8

Decorative Boulders.

Boulders shall comply with the following:

Product: Blue Moon
 Manufacturer: KRC Rock, or approved equal
 800-572-7625
www.krcrock.com

Nominal Size: As indicated on the plans.
 Color Range: Greys and tans
 Sample: See Section 200-1.1 "General".
 Cobble shall comply with the following:
 Products: Beach Pebble Black
 Manufacturer: KRC Rock, or approved equal
 800-572-7625
www.krcrock.com
 Thickness: As indicated on the plans.
 Nominal Size: 4"-8"
 Color Range: Mixes of medium to dark greys.
 Sample: See Section 200-1.1 "General".

200-2.1 General. To the "GREENBOOK", ADD the following:

Base material for concrete paving, sidewalks, walkways and ramps shall be Class 2 Aggregate base and shall conform to 3/4" Class 2 aggregate base, per Whitebook Section 200-2.9 "Class 2 Aggregate Base". Installation per Greenbook Section 301-2 "Untreated Base".

SECTION 201 - CONCRETE, MORTAR AND RELATED MATERIALS

201-1.1.2 Concrete Specified by Class and Alternate Class Table. To the "Greenbook", Table 201-1.1.2, ADD the following.

<u>Type of Construction</u>	<u>Concrete Class</u>	<u>Max. Slump</u> (With Certified Truck Ticket)
Concrete Paving	560-C-3250	4-inch
Concrete Sidewalk and Curb	560-B-3250	4-inch
Concrete Street Section	560-C-3250	3-inch
Integral Color Concrete Band	560-C-3250	4-inch
Deepened Color Concrete Band	560-C-3250	4-inch
CIP Concrete Wall	560-C-3250	4-inch
Concrete Footings	520-C-2500	4-inch

201-1.1.6.1 General. To the "GREENBOOK", ADD the following:

The following types of pervious concrete items are included:

Item

Pervious Concrete Sub-slab, install **per 303-8 "Pervious Concrete"**.

201-1.2.4 Chemical Admixtures. To the "GREENBOOK", Item a), ADD the following :

Integral Colored Concrete.

Admixture for all integral colored concrete shall be the following:

Admixture: Scofield Chromix Admixtures for color-conditioned concrete, or approved equivalent.

Manufacturer: L.M. Scofield Company or approved equal.
1-800-800-9900
www.scofield.com

Color/ Finish: Color Concrete: "C-21 Adobe Tan"; surface retarder finish per Section 201-1.2.8 "Surface Retarder".

Deepened Color Concrete Band: "C-21 Adobe Tan" with light broom finish.

*Above colors per Scofield Color Chart A-312.10 – Standard Colors.

Minimum Standards: ASTM C 494
 ASTM C 979
 AASHTO M 194
 CRD C 87.

Prior to construction, provide concrete sample panel per Section 303-7.1 "General" for all above color/ finishes above for approval by Resident Engineer with coordination by the Contractor.

Integral color shall consist of colored admixtures developed for use in ready mixed concrete. The product shall be made of the highest quality synthetic pigments, as well as other ingredients designed to enhance the color and improve the pigment dispersion, workability and finishing performance of the concrete.

Colored admixture shall be water-reducing, set controlling for horizontal or vertical architectural concrete that are compatible with a variety of finishes (broom finishes, sandblast finishes, smooth finishes.) Pigment shall be a permanent coloration, uniform throughout the concrete surface and interior, and shall be highly UV and fade resistant.

Admixture products and procedures for installation shall be in strict accordance with the manufacturer's specifications and recommendations, and those published by the American Concrete Institute (ACI) and the Portland Cement Association (PCA).

ADD:
201-1.2.8

Surface Retarder. For exposed aggregate concrete, the retardant shall be a water-based, top-surface retarder available in 11 depths of etch. Product shall be ideal for poured-in-place flatwork with etch selections ranging from simulated light acid wash or sand blast finish to full exposure of 1-1/4" aggregate. Surface retarder shall comply with the following specifications:

Product: Top-Cast, or approved equal.
Manufacturer: Dayton Superior or approved equal
 1-877-2663-7732
 www.daytonsuperior.com

Etch Depth: Acid Etch - 03 Violet.

Surface Preparation: Protect surrounding features not to receive etching solution.
 Protect during application and removal.

When to Apply:	Apply uniformly to wet concrete after the evaporation of initial bleed water.
Spray Applicator:	Low-pressure sprayer (plastic).
Precautions:	Protective clothing, gloves, and eye protection. Use with adequate ventilation.
Coating:	Thoroughly mix prior to application. Apply uniform coating over entire concrete surface until a complete hiding coat is applied. Do not apply too sparingly.
Pigment:	Product is pigmented for visibility of application.
When to Remove:	Varies based on concrete mix, site conditions, finishing technique. As early as 4 hours, up to 16 hours; Fast-setting concrete mixes or warmer weather, especially for lightest etches, wash away same day for best results. Early conditions-wash away with hose and brush. Normally wash away the next day using pressure washer and/or brush. Do not wait too long to remove Top Cast as concrete will eventually harden.
Coverage:	200-300 Sq. Ft/Gal.
Clean-up:	Water
VOC Content:	Meet ASTM C 309 Requirements < 100g/L (0.82./gal.).
Drying Time:	1-2 hours after application.
Shelf Life:	5-gallon size unopened, 2 Years from manufacture date. Discard opened product.
Test Panels:	Provide test panel using accepted concrete matrix and similar project conditions.

**ADD:
201-2.5**

Tie Wire.

Tie wire shall be 16 gauge, black annealed.

**ADD:
201-2.6**

Reinforcing Supports.

All horizontal reinforcing shall be supported on approved chairs or supports to the specified height and locations as indicated on the plans.

**ADD:
201-2.7**

Dowel.

Dowels shall be sections of deformed steel reinforcing rod in sizes and lengths as indicated on the plans. Dowels shall be provided in locations where resilient paving sub-slab abuts existing or new concrete curbs, where concrete curbs abut new

concrete walkways, at expansion joints, and anywhere else as indicated on the plans. Provide dowels at the on-center spacing as indicated on the plan, centered vertically within the concrete slab section, with a minimum of two dowels abutting into any adjacent slab sections. Dowels shall be Sika Speed Dowels or approved equal.

Epoxy coated doweling shall meet ASTM and AASHTO Standards outlined in Greenbook Section 201-2.2.1 "Reinforcing Steel".

SECTION 202 – MASONRY MATERIALS

**ADD:
202-4**

ROUND CONCRETE RAISED PLANTER WALL WITH ENTRY MONUMENT – PRECAST CAP AND COBBLE VENEER.

202-4.1

Precast Concrete Wall Cap.

Concrete Wall Cap shall conform to the following specifications:

Product:	Classic Wall Cap, or approved equal.
Units/Size:	Radius = 7'-0"; Length Varies x 14" W x 2-1/2" Thick.
Reveal:	1/4"
Bullnose	1"
Manufacturer:	Stepstone, Inc. or approved equal. 17025 So. Main St. Gardenia, Ca 90248 310-327-7474 www.stepstoneinc.com
Color:	#1804 French Gray.
Finish:	Light Sandblast Finish Top and Nose.
Quantities:	Radius – 30 each. *Quantities represent per plan conditions.

Additional Quantity Recommendations:	15% to accommodate slope, corner and end conditions.
Color Mix:	Integral
Minimum Strength:	4,000 psi Compressive Strength.
Warranty:	Manufacturer's Warranty - Precast concrete wall cap units again defects in material and workmanship for a period of 5 years.
Color Fade:	10%
Installation:	Per Plans and Manufacturer's recommendations.

202-4.2

Veneer Cobble.

Miscellaneous Rock Products shall comply with the following:

Natural Thin Veneer for CIP Concrete Wall with Cobble Veneer Finish

Cobble veneering shall consist of two veneer types and shall be installed of even distribution across the exposed faces of the CIP concrete wall. Contractor shall install 50% of Product 1 and 50% of Product 2.

Product 1: Beach Pebble Buff Thin Veneer Flats (50%)

Product 1 ID: 12VNR14776

Product 1 Description: Thin Cut Natural Cobble Veneer

Product 1 Color Range: Buff, Tans, Rose and some Greens

Product 2: Beach Pebble Black Thin Veneer (50%)

Product 2 ID: 12VNR14778

Product 2 Description: Thin Cut Natural Cobble Veneer

Product 2 Color Range: Grays and Blacks

Manufacturer: KRC Rock, or approved equal

800-572-7625

www.krcrock.com

Thickness range: 1-1/2" to 2-1/2"(Thin Cut Cobble Stone)

Size: 2" to 5" (Weight: 11-14 lbs./sq. ft.)

Sample: 3 veneer pieces illustrating color and size range for each veneer type. See Section 200-1.1 "General

Anti-Graffiti: Manufacturer applied per Section 210 'Paint and Protective Coatings'; Matte finish.

SECTION 203 - BITUMINOUS MATERIALS

203-6.3.1 **General.** To the "WHITEBOOK", ADD the following:

3. Asphalt concrete for Job Mix Formula (JMF) and Mix Designs shall be Type III and shall not exceed 15% RAP.

SECTION 206 - MISCELLANEOUS METAL ITEMS

206-1.1.1 **General.** To the "GREENBOOK", ADD the following:

All raw steel stock for steel fabrication shall be true, free of warping, smooth, and consist without pitting, spalls, blemishes, burs, or corrosion. Steel shall be consistent with the ASTM Steel Standards rating for the products intended use.

Standard Steel Sizing and ASTM rating for each steel component shall be clearly illustrated on all shop drawings for review by the Resident Engineer.

Contractor shall submit a full-scale mock-up (segment) of structural steel features, including key fabrication and attachment of steel members by welding or mechanical attachment methods compliant with the design, standards and requirements as stated on the plans. The mock-up submittal shall be a complete demonstration of the fabrication and finishing of the steel feature and will be reviewed and evaluated accordingly with the plans.

206-5.1 Metal Hand Railings Materials. To the "GREENBOOK", ADD the following:

Handrails shall be fabricated in accordance with Section 206-1.1.1, hot-dip galvanizing per Greenbook Section 210-3 (after fabrication) and polyvinyl chloride coatings per Greenbook Section 210-5. Contractor shall provide shop drawings for review and approval. Installations and fasteners shall be vandal-proof. All posts shall be embedment mounted into a cast in place concrete footing, size per plans. Field welding will not be allowed as it may compromise powder-coat finishing.

Contractor shall submit a full scale mock-up (segment) of metal hand railing features, including key fabrication and attachment of steel members by welding or mechanical attachment methods compliant with the design, standards and requirements as stated on the plans. The mock-up submittal shall be a complete demonstration of the fabrication and final finish of the metal hand railing feature and will be reviewed and evaluated accordingly with the plans.

ADD:

206-8 DECORATIVE GUARDRAIL. To the "WHITEBOOK", ADD the following:

Decorative guardrail materials shall conform to the dimensions and design intent as indicated on the plans and shall be in accordance with fabricated steel per Section 206-1.1.1 "General", hot-dip galvanizing per Section 210-3 "Galvanizing" and powder-coating per Section 210-6 "Powder Coating". Contractor shall provide shop drawings for review and approval. Installations and fasteners shall be vandal-proof and methods indicated on shop drawings for review and approval. All posts shall be embedment mounted into a cast in place concrete footing, size per plans. Field welding will not be allowed as it may compromise to the powder-coat finish.

Contractor shall submit a full scale mock-up (segment) of decorative guardrail features, including key fabrication and attachment of steel members by welding or mechanical attachment methods compliant with the design, standards and requirements as stated on the plans. The mock-up submittal shall be a complete demonstration of the fabrication and final finish of the decorative guardrail feature and will be reviewed and evaluated accordingly with the plans.

SECTION 209 – PRESSURE PIPE

209-1.1.1 General. To the "WHITEBOOK", ADD the following:

2. PVC products, specifically type C900 and C905, as manufactured or distributed by J-M Manufacturing Company or JM Eagle shall not be used on the Contract for pressurized pipe.
3. Refer to AWWA C900-16 for all references to AWWA C905.

SECTION 210 – PAINT AND PROTECTIVE COATINGS

210-1.1.1 Anti-Graffiti Coating. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

Anti-graffiti coating for horizontal and vertical surfaces shall be as manufactured by Coval Molecular Coatings, 5341 Old Redwood Highway, Petaluma, CA 94954, or approved equal.

- 1st Coat: Quick Seal & Enhance
- 2nd Coat: Concrete Cost (Satin finish)

210-3.1 General. To the “GREENBOOK”, ADD the following:

Prior to galvanizing of fabricated steel components or products, the fabricator shall provide clean-up of all welding spatter, imperfections, and sharp edges. Steel stock shall be free of any corrosion. The fabricated steel component or product shall then be bead blasted and pre-washed to ensure an abrasive raw steel surface is exposed for adhesion and free of any corrosion prior before entering the galvanizing bath. Galvanized coatings that are visibly uneven from outgassing shall be bead blasted down for a visually smooth appearance without exposing raw steel prior to powder coating operations.

210-3.5.3 Zinc Dust Paint. To the “GREENBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

When zinc surfaces have small areas of abrasion which occur after shop application of zinc coating, zinc dust paint may be used to repair these areas when approved by the Engineer. The damaged area shall be thoroughly cleaned by wire brushing and traces of welding flux and loose or cracked zinc coating removed prior to painting. The cleaned area shall be painted with a minimum of 3 coats of an un-thinned zinc paint with a matte finish to provide to provide a total minimum thickness of 4 mils. The zinc dust paint shall conform to requirements of ASTM A780, Annex A3, except that it shall have a 60 percent minimum dry film content of zinc dust by weight. The method of application shall be approved by the Resident Engineer.

Zinc Dust Paint shall conform to the following specifications:

- Product: Galvanized Coatings OE SHINY GALV #16-842, or approved equal.
- Manufacturer: Seymour of Sycamore or approved equal.
800-435-4482
www.seymourpaint.com
- Dry Time: 5 minutes to touch.
20 minutes to recoat
- Temperature: Apply when outside and steel surface temperature is from 50-90°F.
- Abrasion Resistance: Good
- Heat resistance: 250°F

ADD:
210-6 POWDER COATING. To the “WHITEBOOK”, ADD the following:

210-6.1 General.

All steel products or components shall be galvanized in accordance with Section 210-3 “Galvanizing” prior to powder coating. Powder coating shall be a polyester powder coating (harder). Polyurethane powder coating (softer) will not be accepted.

Powder coating shall have a minimum thickness of 2 - 3 mils (60 – 80 microns) and be electrostatically applied. Finished powder coating shall be substantially resistant to UV

light with minimal, if any, color fading covered under warranty for at least 5 years. Powder coating shall be free of bubbling, peeling, uneven application, and sharp edges; otherwise coatings will be considered defective.

Powder coating shall conform to the color(s) illustrated on the plans. (3) Physical color chip samples of the proposed powder coat color shall be submitted to the Landscape Architect or Engineer for approval prior to powder coating. The approved color chip samples shall be kept for record and means of color comparison of the final product(s). Powder coating inconsistent with the approved color chip samples or exhibit defective application will be grounds for rejection.

A touch up paint kit, matching the approved powder coat color, shall be provided for installation operations. Contractor shall coat all minor blemished incurred during installation operations. Major blemishes repair with touch up paint kit will not be accepted and will be grounds for rejection of the coating. The Resident Engineer shall have the sole discretion in determining "major" blemish repair.

Any fasteners which cannot be powder coated due to installation purposes, shall have a polyester urethane paint coating applied that matches the approved powder coat color chip. When applicable, (3) physical color paint chip samples shall be submitted together with the powder coat color samples for approval.

Colors shall conform to the following specifications:

Decorative Guardrail

Series/ Color: 49/55555 Bengal Green, or approved equal
Manufacturer: TIGER Drylac U.S.A.
Powder Coatings
(909) 930-9111
www.tiger-coatings.us
Finish: Satin
Gloss Level: 95 +/- 5
Minimum
Standards: AAMA 2604 (American Architectural Manufacturing Association)

SECTION 213 - ENGINEERING GEOSYNTHETICS

213-5 GEOTEXTILES AND GEOGRIDS. To the "GREENBOOK", ADD the following:

Permeable Geotextile Fabrics used for general separation, drainage and filtration of landscapes materials shall be inert to biological degradation, and resist naturally encountered chemicals, alkalis and acids.

Permeable Geotextile fabrics shall conform to the following specifications:

Product: Mirafi 180N, or approved equal.

Description: Nonwoven Geotextile, N-Series
 Manufacturer: TenCate Geosynthetics Americas
 706-693-2226
www.tencate.com/amer/geosynthetics/default.aspx
 Minimum Standards: Whitebook Table 213-5(A): NONWOVEN unless otherwise stated herein.
 Grab Tensile Strength: ASTM D4632, 205 lbs (912 N)/ min. ave. roll value
 CBR Puncture Strength: ASTM D6241, 500 lbs. (2224 N)/ min. ave. roll value
 Permittivity: ASTM D4491, 1.4 sec-1 min.
 Flow Rate: ASTM D4491, 95 gal./min./ft. sq.
 Installation: Section 300-8 "Geotextiles for Drainage".

SECTION 218 – DETECTABLE WARNING TILES (DWT)

218-1 GENERAL. To The "WHITEBOOK", ADD the following:

- 2) Stainless steel cast in place DWT shall be used.
- 3) Detectable warning surfaces shall be yellow conforming to FS 33538 of Federal Standard 595C. (CCR Title 24, Sec.11B-705.3)
- 4) Only DSA-AC detectable warning products and directional surfaces shall be installed as provided in the California Code of Regulations (CCR), Title 24, Part 1, Chapter 5, Article 2, 3 and 4. (Sec. 11B-05.3) and approved by the City of San Diego.

ADD:

SECTION 219 – SITE FURNISHING MATERIALS

219-1 SITE FURNISHINGS.

219-1.1 Trash and Recycle Receptacles.

219-1.1.1 Trash Receptacles.

Product: Santa Clara Series Side Opening Door Waste Container with Top, or approved equal.
 Model #: QSSC2651SDW or approved equal
 Description: Precast concrete square trash receptacle with concrete top, locking steel side door with hinges, 40-gallon plastic liner and hex key or handle. (Q30SD, QSPL28B, SDKEY, ZSDCABLK-R, H-9381).
 Integral Color: Bungalow
 Finish: Top – Smooth
 Body – Light Sand Blast
 Door: Gray
 No. of units: (4)
 Concrete mix: GEN2 80% recycled concrete
 Anti-Graffiti: Manufacturer applied per Section 210 'Paint and Protective Coatings'; Matte finish
 Attachment: Surface-mounted – epoxy in place

Manufacturer: Quick Crete Products Corp., Inc., or approved equal

731 Parkridge Avenue
Norco, CA 92860
(951) 737-6240
www.quickcrete.com

219-1.1.2 Recycle Receptacles.

Product: Santa Clara Series Side Opening Door Recycle Container with Top, "recycle logo" inset and painted blue, or approved equal.
Model #: QSSC2651SDW or approved equal.
Description: Precast concrete square recycle receptacle with concrete top, locking steel side door with hinges, 40-gallon plastic liner and hex key or handle. (Q30SD/BL, QSPL28B, SDKEY, ZSDCABLK-R, H-9381).
Integral Color: Bungalow
Finish: Top – Smooth
Body – Light Sand Blast
Logo Paint: QC Std Blue
Door: Blue
No. of units: (4)
Concrete mix: GEN2 80% recycled concrete
Anti-Graffiti: Manufacturer applied per Section 210 'Paint and Protective Coatings'; Matte finish.
Attachment: Surface-mounted – epoxy in place
Manufacturer: Quick Crete Products Corp., Inc., or approved equal.
731 Parkridge Avenue
Norco, CA 92860
(951) 737-6240
www.quickcrete.com

219-1.2 Tables.

219-1.2.1 Rectangular Precast Concrete Picnic Table.

Product: One Piece Rectangle Picnic Table
Model #: Q-LBT-72PT or approved equal
Description: Single mold precast concrete rectangular picnic table.
Integral Color: Bungalow
Finish: Side - Light Sand Blast, Top - Smooth
No. of units: (3)
Anti-Graffiti: Manufacturer applied per Section 210 'Paint and Protective Coatings'; Matte finish.
Attachment: Surface-mounted – epoxy in place
Manufacturer: Quick Crete Products Corp., Inc., or approved equal

731 Parkridge Avenue
Norco, CA 92860
(951) 737-6240
www.quickcrete.com

219-1.2.2 Rectangular Precast Concrete Picnic Table – Accessible.

Product: One Piece Rectangle Picnic Table with Accessible Pull Up Spaces
Model #: Q-LMR-102PTADA or approved equal
Description: Single mold precast concrete rectangular picnic table with accessible pull up space. (Only 1 accessible pull up space)
Integral Color: Bungalow
Finish: Side - Light Sand Blast, Top - Smooth
No. of units: (1)
Anti-Graffiti: Manufacturer applied per Section 210 'Paint and Protective Coatings'; Matte finish.
Attachment: Surface-mounted – epoxy in place
Manufacturer: Quick Crete Products Corp., Inc., or approved equal
731 Parkridge Avenue
Norco, CA 92860
(951) 737-6240
www.quickcrete.com

219-1.2.3 Custom Precast Concrete Dot Style Table with Dot Seats.

Product: Custom Dot Style Table (w/ Game Board) and Dot Seats
QC File #: Table Top – 130156-2 & PC NO. GP1 (w/ Game Board)
Table Pedestal – 130156-3 & PC NO. GP2
Game Board: 2" Squares, Green & White
Model #: Seats – Q2DOT18B or approved equal
Seat Colors: Seat Top: Slate Grey; Bottom: Mission White
Description: Custom precast concrete "Dot Style" table top and table pedestal accompanied with (4) "Dot Seats" (QCP Standard Dot Bench).
Integral Color/ Finish: Table Top and Bench Slabs – Slate Grey w/ Polished finish
Table Pedestal and Bench Leg – Mission White – acid etch finish
No. of units: (2) – Dot Style Tables
(8) – Dot Seats
Anti-Graffiti: Manufacturer applied per Section 210 'Paint and Protective Coatings'; Matte finish.
Attachment: Surface-mounted – epoxy in place
Manufacturer: Quick Crete Products Corp., Inc., or approved equal.
731 Parkridge Avenue
Norco, CA 92860
(951) 737-6240
www.quickcrete.com

219-1.2.4 Custom Precast Concrete Dot Style Table with Dot Seats – Accessible.

Product: Custom Dot Style Table (w/ Game Board) with Dot Seats
QC File #: Table Top – 130156-2 & PC NO. GP1 (w/ Game Board)
Table Pedestal – 130156-3 & PC NO. GP2

Game Board: 2" Squares, Green & White
 Model #: Seats – Q2DOT18B or approved equal
 Seat Colors: Seat Top: Slate Grey; Bottom: Mission White
 Description: Custom precast concrete "Dot Style" table top and table pedestal accompanied with (3) "Dot Seats" (QCP Standard Dot Bench).
 Integral Color/ Finish: Table Top and Bench Slabs – Slate Grey w/ polished finish
 Table Pedestal and Bench Leg – Mission White w/ acid etch finish
 No. of units: (1) – Dot Style Table
 (3) – Dot Seats
 Anti-Graffiti: Manufacturer applied per Section 210 'Paint and Protective Coatings';
 Matte finish.
 Attachment: Surface-mounted – epoxy in place
 Manufacturer: Quick Crete Products Corp., Inc., or approved equal
 731 Parkridge Avenue
 Norco, CA 92860
 (951) 737-6240
www.quickcrete.com

219-1.3 Drinking Fountain.

Drinking Fountain shall conform to the following specifications:

Model#: Model 3500D (Drinking Fountain), MTG.3500 (Mounting Plate) with Dog Bowl Push Button at 24" height or approved equal.
 Description: Barrier-Free Stainless-Steel Pedestal Fountain with Mounting Plate.
 Manufacturer: Haws Corporation, or approved equal
 (775) 359-4712
www.hawesco.com
 Type: Superior-duty "Hi-lo"
 Pedestal: 12-gauge, Type 304 Stainless Steel, Vandal-resistant
 Basins: 3/8" Thick Cast Stainless Steel
 Finish: Pedestal and Basins, Powder-coated green, Glossy
 Operation: Push-button with stainless steel valves with operating pressure from 30 to 90 psi, front-accessible cartridge and low adjustment
 Waterways: 100% lead free
 Bubbler Heads: Polished chrome-plated brass with integral basin shank, vandal-resistant waste strainers with top-down clean-out access.
 GPM: 0.45
 Access: Access door with heavy duty hinges and square key locks
 Mounting: Integral bottom plate and stainless-steel mounting plate with integral 6" zinc plated anchors.

Contractor shall provide and install an extension of the supply line, from potable water line to new drinking fountain location. Contractor shall provide all supply line piping and fittings, drainage line piping and fittings, drain rock, soil separation fabric and other materials as listed on the drawing in locations indicated. Provide Type K copper piping and fittings from existing supply line to new drinking fountain. All work shall be installed in compliance with the local plumbing codes.

Contractor shall provide a drainage sump consisting of a perforated drain line wrapped in a filter fabric sock and surrounded with a 3/4" crushed rock bed, graded away from the drinking at locations and to the size indicated on the plans. Soil or media coverage above the sump drain line shall be 6" minimum unless otherwise specified.

219-1.4 Pet Waste Station.

Pet Waste Station shall be 'Modern Dog Kit (Green)', by Pet Pick-Ups, or approved equivalent. Kit shall include a post-mounted "Modern Dog Dispenser" unit with stainless steel door lock, "Modern Dog Sign" stating 'Thanks for picking up after your dog!', "Modern Dog Receptacle" waste container with stainless door lock and galvanized steel liner. All unit locks shall be keyed to have same key and open all doors to all units on site. Install per section 319 "Site Furnishings Installation". Pet waste station shall be:

Model No.: 00005-MD Kit, or approved equal
Finish: Green powdercoat finish by manufacturer
No. of units: (1)
Bags: 2 rolls of 200 Biodegradable pick up litter bags
Posts: Per complete package, 2" SQ Knock-out post
Attachment: Post-mounted into CIP concrete footing
Manufacturer: Pet Pick-Ups, Inc. (303) 443-8914 or approved equal
P.O. Box 460547
Denver, CO 80246
www.petpickups.com

219-1.5 Removable Bollard.

Removable bollard shall be hot dipped galvanized after fabrication.

Direct burial installation through concrete paving into 12" depth x 12" diameter concrete footing below paving; concrete to be 520-C-2500 PSI. Removable bollard to be installed so it is plumb and level after concrete cures.

219-1.6 Precast Concrete Bench w/ Back.

Precast concrete bench shall be a 7' long bench with concrete back and arm rest at center of bench.

Model No.: Q1VIC84B-Modified - Victoria Series precast concrete bench with back and arm rest centered on bench seat or approved equal.
Dimensions: 84"L x 24-11/16"W x 36"T x 6-1/4"THK
Color: P2-'Bungalow', integral colored concrete
Finish: Side - Light Sand Blast, Seat Surface - Smooth
Sealer: No manufacturer sealer
Anti-Graffiti: Manufacturer applied, type per Section 210 'Paint and Protective Coatings'; matte finish.
No. of units: 3
Attachment: Surface-mounted – epoxy in place

Manufacturer: Quick Crete Products Corp., Inc. (951) 737-6240 or approved equal
731 Parkridge Avenue
Norco, CA 92860
www.quickcrete.com

219-1.7 Entry Monument.

Entry monument shall include aluminum with bronze patina City of San Diego and San Diego Parks and Recreation logos. Logos shall be mounted with vandal resistant brackets. Entry monument wall lettering shall be constructed to the dimensions and colors shown on the plans.

Anti-Graffiti: Treat all exposed surfaces with Anti-Graffiti coating, type per Section 210 'Paint and Protective Coatings'; matte finish.

219-2 PLAY AREA COMPONENTS.

219-2.1 General.

All materials shall be structurally sound and suitable for safe play. Durability shall be ensured on all steel parts by the use of time-tested coatings such as zinc plating, galvanizing, ProShield or approved equal finish, TenderTuff or approved equal coating, etc. Colors shall be provided as indicated on the plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F879 unless otherwise indicated. All primary fasteners shall include a locking patch-type material that will meet the minimum torque requirements of IFI-125. Manufacturer to provide special tools for pinned tamperproof fasteners.

TenderTuff or approved equal Coating: Metal components shall be thoroughly cleaned in a hot phosphatizing pressure washer, then primed with a water-based thermosetting solution. Primed parts shall be preheated prior to dipping in UV-stabilized, liquid polyvinyl chloride (PVC), then salt cured at approximately 400 degrees Fahrenheit. The finished coating shall be approximately .080" thick at an 85 durometer with a minimum tensile strength of 1700 PSI and a minimum tear strength of 250 pounds/inch.

ProShield Finish: All metal components shall be thoroughly cleaned and phosphatized through a five-stage power washer. Parts shall then be thoroughly dried, preheated and processed through a set of automatic powder spray guns where a minimum .002" of epoxy primer shall be applied. A minimum .004" of architectural-grade Super-Durable polyester TGIC powder shall be applied.

ProShield shall be formulated and tested per the following ASTM standards. Each color must meet or exceed the ratings listed below:

Hardness (D3363) rating 2H

Flexibility (D522) pass 1/8" (3,17 mm) mandrel

Impact (D2794) rating minimum 80 inch-pounds (9.038 newton meters)

Salt Fog Resistance (B117 and D1654) 4,000 hours and rating 6 or greater
UV Exposure (G154, 340 bulb) 3,000 hours, rating delta E of 2, and 90 percent gloss retention
Adhesion (D3359, Method B) rating 5B
The Paint Line shall employ a "checkered" adhesion test daily.

Decks: All Tenderdecks, or approved equal, shall be of modular design and have 5/16" diameter holes on the standing surface. There shall be a minimum of (4) slots in each face to accommodate face mounting of components. Tenderdecks shall be manufactured from a single piece of low carbon 12 GA (.105") sheet steel conforming to ASTM A-1011. The sheet shall be perforated with a return flange on the perimeter to provide the reinforcement to ensure structural integrity. There shall be no unsupported area larger than 3.5 square feet. The unit shall then be TenderTuff-coated brown or gray only. Tenderdecks shall be designed so that all sides are flush with the outside edge of the supporting posts.

Concrete Products: Two processes shall be used to produce concrete products. (See specific product installation/ specification documents.)

1. Glass Fiber Reinforced Concrete (GFRC) Products: Glass fiber shall be alkali-resistant (AR) with high tensile properties formulated for concrete. GFRC nominal product thickness shall be 1" with a unit weight of about 12 lbs per square foot and an average ultimate flexural strength of 2,100 psi per ASTM C947. Finish: Exterior latex paint suited for concrete applications.
2. Precast Concrete Products shall be wet-cast solid, molded concrete with an average compressive strength of 5,000 psi per ASTM C39. Unit weight range of about 115-145 lbs per cubic foot. Finish: Exterior latex paint suited for concrete applications.

Rotationally Molded Polyethylene Parts: These parts shall be molded using prime compounded linear low-density polyethylene with a tensile strength of 2500 psi per ASTM D638 and with color and UV-stabilizing additives.

Permalene Parts: These parts shall be manufactured from 3/4" high-density polyethylene that has been specially formulated for optimum UV stability and color retention. Products shall meet or exceed density of .960 G/cc per ASTM D1505, tensile strength of 2400 PSI per ASTM D638.

Recycled Permalene Parts: These parts shall be manufactured from 3/4" high-density polyethylene that has been specially formulated for optimum UV stability and color retention. Products shall meet or exceed density of .960 G/cc per ASTM D1505, tensile strength of 2400 PSI per ASTM D638.

Footings: Unless otherwise specified, the bury on all footings shall be 34" below Finished Grade (FG) on all in-ground play events/posts.

Hardware Packages: All shipments shall include individual component-specific hardware packages. Each hardware package shall be labeled with the part number,

description, a component diagram showing the appropriate component, package weight, a bar code linking the hardware package to the job number, assembler's name, date and time the package was assembled, work center number, and work order number.

Installation Documentation: All shipments shall include a notebook or packet of order-specific, step-by-step instructions for assembly of each component, including equipment assembly diagrams, estimated hours for assembly, footing dimensions, concrete quantity for direct bury components, fall height information, area required information and detailed material specifications.

Packing List: All shipments shall include a packing list for each skid/container, specifying the part numbers and quantities on each skid or within each container.

Packaging: - Posts shall be individually packaged in sturdy, water-resistant, mar-resistant cardboard boxes. Other components shall be individually wrapped or bulk wrapped to provide protection during shipment. Small parts and hardware packages shall be placed in crates for shipment. The components and crates shall be shrink-wrapped to skids (pallets) to ensure secure shipping.

Maintenance Kit: - An order-specific maintenance kit shall be provided for each structure order. The kit shall include a notebook or packet with a second set of installation documents and order-specific maintenance documentation with recommendations on how often to inspect, what to look for and what to do to keep the equipment in like-new condition. The kit shall include touch-up primer, appropriate color touch-up paint, sandpaper, appropriate color touch-up PVC, graffiti remover and additional installation tools for the tamperproof fasteners.

General Specifications:

Posts: - Post length shall vary depending upon the intended use and shall be a minimum of 42" above the deck height. All posts shall be ProShield or approved equal finished to specified color. All posts shall have a "finished grade marker" positioned on the post identifying the 34" bury line required for correct installation and the top of the loose fill protective surfacing. Top caps for posts shall be aluminum die cast from 369.1 alloy and ProShield finished to match the post color. All caps shall be factory installed and secured in place with (3) self-sealing rivets. A molded low-density polyethylene cap, with drain holes, shall be pressed onto the bottom end of the post to increase the footing area.

Steel Posts: - All steel posts shall be manufactured from 5" O.D. tubing with a wall thickness of .120" and shall be galvanized after rolling and shall have both the I.D. and the cut ends sprayed with a corrosion resistant coating.

Steel Post Mechanical Properties:

Yield Strength (min): 50,000 PSI

Tensile Strength (min): 55,000 PSI

% Elongation in 2 inches: 25

Modulus of Elasticity: 29.5 x 1,000,000 PSI

Aluminum Posts: - All aluminum posts shall be manufactured from 6005-T5 extruded tubing conforming to ASTM B-221. Posts shall have a 5" outside diameter with a .125" wall thickness.

Aluminum Post Mechanical Properties:

Yield Strength (min): 35,000 PSI
Tensile Strength (min): 38,000 PSI
% Elongation in 2 inches: 10
Modulus of Elasticity: 10 x 1,000,000 PSI

Arch Posts: - Aluminum arch posts shall be manufactured from 6005-T5 alloy. The arch shall be formed to a 21" center line radius to complement the 42" center to center module. The arch shall be of one continuous piece construction. There shall be no welds or additional pieces mechanically fastened to manufacture the arch. Each arch shall be designed to provide a minimum of 90 1/2" clear span from the deck to the inside of the arch at the radius peak. Arches shall be ProShield or approved equal finished to specified color.

Clamps: - All clamps shall be ProShield or approved equal finished and, unless otherwise noted, shall be die cast using a 369.1 aluminum alloy and have the following mechanical properties:

Ultimate Tensile: 47,000 PSI
Yield Strength: 28,000 PSI
Elongation: 7% in 2 inches
Shear Strength: 29,000 PSI
Endurance Limit: 20,000 PSI

Each functional clamp assembly shall have an appropriate number of half clamps and shall be fastened to mating parts with (2) 3/8" x 1 1/8" pinned button head cap screws (SST) and (2) stainless steel (SST) recessed "T" nuts. A 1/4" aluminum drive rivet w/stainless steel pin shall be used to ensure a secure fit to the post.

Clamps shall have three functional applications and shall be named as follows:

1. Offset hanger clamp assembly.
2. Deck hanger clamp assembly.
3. Hanger clamp assembly.

Netplex Clamps: All clamps shall be ProShield or approved equal finished and, unless otherwise noted, shall be die cast using a 369.1 aluminum alloy and have the following mechanical properties:

Ultimate Tensile: 47,000 PSI
Yield Strength: 28,000 PSI
Elongation: 7% in 2 inches
Shear Strength: 29,000 PSI
Endurance Limit: 20,000 PSI

Each functional clamp assembly shall have an appropriate number of rope clamps and back clamps and shall be fastened to each other with (2) 5/8" x 1 1/2" pinned button head cap screws (SST) and (2) stainless-steel (SST) recessed "T" nuts. Either a face clamp shall be fastened to rope clamp with (2) 3/8" by 1-3/8" pinned button head cap screws or a single tab casting plate shall be fastened to rope clamp with (4) 3/8" by 1-3/8" pinned button head cap screws with 3/8" SAE flat washers. A 1/4" x 5/8" aluminum drive rivet with stainless steel pin shall be used to ensure a secure fit to the post.

Geoplex Clamps: All clamps shall be ProShield or approved equal finished and, unless otherwise noted, shall be fabricated from 7GA using .179" (4,54 mm) T316 stainless steel.

Ultimate Tensile: 84,000 PSI

Yield Strength: 25,000 PSI

Each functional clamp assembly shall have an appropriate number of locking clamps and shall be fastened to mating parts with (2) 3/8" x 7/8" pinned button head cap screws (SST) with (2) 3/8" SAE flat washers. A 1/4" aluminum drive rivet with stainless steel pin shall be used to ensure a secure fit to the post.

Steel-reinforced cables shall be made of tightly woven, polyester-wrapped, six-stranded galvanized steel cable.

Structural Frame: Post length of the double ladder/central column shall vary depending upon the deck height and shall be flush with the bottom of a deck infill or a minimum of 46" above the deck height. All posts shall be ProShield or approved equal finished to specified color. All posts shall have a "finished grade marker" positioned on the post identifying the 60" bury line required for correct installation and the top of the loose fill protective surfacing. Post caps shall be aluminum die cast from 369.1 alloy and ProShield finished to match the post color. All caps shall be factory installed and secured in place with (3) self-sealing rivets. A molded low-density polyethylene cap, with drain holes, shall be pressed onto the bottom end of the ladder posts to increase the footing area. Ladders shall be bolted together below grade to act as a single column for installation purposes. The deck support weldments/arms shall be comprised of 5/16" (.312") steel conforming to 1010 steel per ASTM A635 and welded to a 52" steel post. Arms shall be secured to each ladder post with (4) 5/8" x 1 1/2" pinned button head cap screws thru (2) 1/4" flanges.

Aluminum Roof Posts: All formed aluminum roof posts shall be manufactured from 6005-T5 extruded tubing conforming to ASTM B-221. Posts shall have a 5" outside diameter with a .125" wall thickness. Post sleeve shall have 4.675" outside diameter with a .150" wall thickness. Post cap shall be aluminum die cast from 369.1 alloy and ProShield finished to match the post color. All caps shall be factory installed and secured in place with (3) self-sealing rivets.

219-2.2**5-12 - Tot Lot Play Structure.**

5-12 - Tot Lot Play Structure shall be Drawing no. 1129005-01-08 (5-12 years) by Landscape Structures, Inc., or an approved equal, Coast Recreation, Inc. (714) 619-0100.

5-12 - Play Structure Components:**147424A - Clatterbridge 84 w/Barriers.**

Clamps: Cast aluminum. Finish: ProShield, color specified.

Mounting Bracket: Weldment comprised from 1/2" HRPO sheet steel, (2) 1/4" x 1 3/4" steel half clamps and 7/8" diameter 304L stainless steel tube. Finish: ProShield, color specified.

Barrier: Weldment comprised of 1.900" O.D. RS-20 (.090" - .100") galvanized steel tubing beam, 1.029" O.D. RS-20 (.070" - .080") galvanized steel tubing and 7 GA. (.179") HRPO sheet steel. Finish: ProShield, color specified.

Attachment Bracket: Fabricated from 11 GA. (.120") HRPO plate. Finish: TenderTuff, color specified.

Cover Plate: Fabricated from 12 GA. (.105") HRPO plate. Finish: ProShield, color specified.

Plank: Weldment comprised from 12 GA. (.105") HRPO plate with 5/16" diameter perforated holes and threaded stainless steel inserts, plank measures 11 7/16" x 46 7/8" long. Finish: TenderTuff, color specified.

Cable: Made of tightly woven, polyester-wrapped, six stranded galvanized-steel cable with a PVC wrapped galvanized steel core.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

169320B - Log Stepper 48" Deck w/2 Recycled Wood-Grain Handholds 1 Handloop DB Only Right Handhold.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Handloop: Weldment comprised of 1.125" O.D. x 11 GA (.120") steel tubing with 203 or 303 stainless steel inserts, with 3/8" internal thread. Finish: TenderTuff, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Poly Board: Recycled high-density polyethylene, cedar and mink in color.

Handhold Frame: Weldment comprised of 1.125" O.D. 11 GA. (.120") steel tubing with 203 or 303 stainless steel inserts, with 5/8" internal threads and 1/4" HRPO steel plate. Finish: ProShield, tan in color.

Log Stepper Assy.: (Footer Post) Weldment comprised of 5" O.D. x 11 GA. (.120") wall galvanized steel tubing and 3/16" HRPO steel plate. Finish: ProShield, color specified. (Log Stepper-fully assembled) Glass reinforced wet cast solid pour concrete product. Finish: Latex paint made for concrete, natural colors.

169322C - Discovery Tree Climb w/Aluminum Post w/o Roof DB Only.

Poly Board: Recycled 1 1/2" x 3 1/2" and 1 1/2" x 5 1/2" high density polyethylene, cedar or mink in color.

Handhold Frame: Weldment comprised of 1.125" O.D. 11 GA. (.120") steel tubing with 203 or 303 stainless steel inserts, with 5/8" internal threads and 1/4" HRPO steel plate. Finish: ProShield, tan in color.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Post: See Section 219-2.1 General Specifications.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Hose Clamp: Band and housing made from 300 series stainless steel. Slotted screw with hex head and safety collar shall be cadmium-plated carbon steel.

Spacer Tube: Made from 1 1/8" O.D. 6061-T6 aluminum tube. Finish: ProShield, tan in color.

Tree Climb Assy.: (Frame) Weldment comprised of 5" O.D. x 11 GA. (.120") wall galvanized steel tubing, 2.375" O.D. RS20 (.095"-.105") wall galvanized steel tubing, 1/4" HRPO steel plate, 3/16" HRPO steel plate, 18" O.D. 1/4" (.250") wall steel tube. Finish: ProShield. (Talk Tube Plate)Weldment comprised of 1.250" O.D. x 11 GA. (.120") black steel tube and 12 Ga. (.105") HRPO flat steel. Finish: ProShield, color specified. Castings shall be made from Glass Fiber Reinforced Concrete (GFRC). Glass fiber shall be Alkali Resistant (AR) type glass formulated for concrete. Nominal wall thickness of 1" and weighs about 11 1/2 lbs. per square foot. Castings shall have a strength of 1,500 lbs. per square inch in tension and 5,000 lbs. per square inch in compression. Finish: Latex paint made for concrete, natural colors.

172665A - Loop Pole w/Recycled Wood-Grain Handholds 48"Dk DB.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Loop Pole: Weldment comprised of 1.900" O.D. RS-20 (.090"-.100") galvanized steel tubing, and 1.315" O.D. RS-20 (.080"-.090") galvanized steel tubing. Finish: ProShield, color specified.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Handhold Frame: Weldment comprised of 1.125" O.D. 11 GA. (.120") steel tubing with 203 or 303 stainless steel inserts, with 5/8" internal threads and 1/4" HRPO steel plate. Finish: ProShield, tan in color.

Poly Board: Recycled high-density polyethylene, cedar and mink in color.

Spacer: Extruded from 1.125" O.D. x .290" w. 6061-T6 aluminum. Finish: ProShield, tan in color.

172666A - Corkscrew Climber w/Recycled Wood-Grain Handholds 48"Dk DB.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Corkscrew: Weldment comprised of 1.900" O.D. RS-20 (.090"-.100") galvanized steel tubing, and 1.315" O.D. RS-20 (.080"-.090") galvanized steel tubing. Finish: ProShield, color specified.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Handhold Frame: Weldment comprised of 1.125" O.D. 11 GA. (.120") steel tubing with 203 or 303 stainless steel inserts, with 5/8" internal threads and 1/4" HRPO steel plate. Finish: ProShield, tan in color.

Poly Board: Recycled high-density polyethylene, cedar and mink in color.

114649A - Zoo Infill Panel.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Permalene Panel: One-color, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

123333A - Rollerslide 40"Dk DB.

Rail: 1 1/8" O.D. 6061-T6 aluminum extrusion with 5/16" walls. Finish: ProShield, color specified.

Rollers: Fabricated from 1.900" O.D. x 16 GA (.060") galvanized steel tubing. Finish: TenderTuff, color specified.

Hood: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Rails: Extruded from 6005-T1 aluminum. Finish: ProShield, color specified.

Roller Shafts: Fabricated from 1/2" diameter CRS zinc-plated with yellow chromate finish.

Support Leg: Fabricated from 1.900" (48,26 mm) O.D. RS-20 (.090" - .100") galvanized steel tubing. Finish: ProShield, color specified.

Top Plate: Formed from 10 GA (.135") 304-2B SST. Finish: TenderTuff, color specified.

Rail Spacer: Fabricated from 1.312" O.D. x 16 GA (.065") steel tubing. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Tube: 1 1/8" O.D. x 1 5/8" long aluminum tube. Finish: ProShield, color specified.

152907C – Deck Link w/Barriers Steel end panels 3 Steps.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

SteelX Panels: Zinc plated 7 GA (.179") HRPO flat steel. Finish: ProShield, color specified.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Spacer Tube: Made from 6061-T6 aluminum 7/8" O.D. x 1 11/16" . Finish: ProShield, color specified.

Step Section: Formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface shall be 24 1/4" wide x 14" deep and shall be perforated with 5/16" diameter holes. Finish: TenderTuff, color specified.

Barrier: Weldment comprised of 1.125" O.D. x 11 Ga. (.120") wall steel tubing, 5/8" O.D. steel bar with 203 or 303 stainless steel 3/8" threaded inserts. Finish: TenderTuff, color specified.

111231A – Triangular Tenderdeck.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Triangular Deck: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface shall be perforated with 5/16" diameter holes. Deck face shall have (4) slotted holes for face mounting components. The finished size shall measure 2 5/8" x 37 3/4". Finish: TenderTuff, color specified.

111228A - Square Tenderdeck.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Square Deck: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface shall be perforated with 5/16" diameter holes. Deck face shall have (4) slotted holes for face mounting components. The finished size shall measure 2 5/8" x 47" x 47". Finish: TenderTuff, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

111229A - Square Deck Extension.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Square Deck Extension: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface shall be perforated with 5/16" diameter holes. Deck face shall have (4) slotted holes for face mounting components. The finished size shall measure 2 5/8" x 42" x 47". Finish: TenderTuff, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

119646A - Tri-Deck Extension.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Triangular Deck Extension: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface shall be perforated with 5/16" diameter holes. Deck face shall have (4) slotted holes for face mounting components. The finished size of two of the three sides shall measure 2 5/8" x 37 7/8" on the face of the deck and the other side shall measure 2 5/8" x 43 3/4". Finish: TenderTuff, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

121948A - Kick Plate 8" Rise.

Kick Plate: Fabricated from 11 GA (.120") HR flat steel. Finish: TenderTuff, brown or gray in color.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

121949A - Tri-Deck Kick Plate 8" Rise.

Kick Plate: Fabricated from 11 GA (.120") HR flat steel. Finish: TenderTuff, brown or gray in color.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

122197A - 90* Triangular Tenderdeck.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Triangular Deck: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface shall be perforated with 5/16" diameter holes. Deck face shall have (4) slotted holes for face mounting components. The finished size shall measure 2 5/8" x 37 3/4". Finish: TenderTuff, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

152911A - Curved Transfer Module Right 32" Dk DB.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Panels: Permalene, color specified.

Railings: Weldment comprised of 1.125" O.D. x 11 GA (.120") steel tubing with 203 or 303 stainless steel 3/8" threaded inserts. Finish: TenderTuff, color specified.

Deck Support: Weldment comprised of 3 1/2" O.D. RS-20 (.125") galvanized steel tubing and 3/8" O.D. x 5" long CRS rod. Finish: ProShield, color specified.

Deck: Flange formed from 12 GA (.105") HRPO sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" diameter holes and measures 29" per (2) sides. Finish: TenderTuff, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Step Support: Weldment comprised of 1.660" O.D. RS-20 (.080" - .095") galvanized steel tubing and 1 3/4" x 1 3/4" x 1/8" HR angle. Finish: ProShield, color specified.

Step Sections/Top Step Section: Formed from 12 GA (.105") HRPO sheet steel conforming to ASTM A1011. Standing surface shall be 24 3/8" wide x 14" deep and shall be perforated with 5/16" diameter holes. Finish: TenderTuff, color specified.

Spacer Tube: Made from 6061-T6 aluminum 7/8" O.D. x 1 11/16". Finish: ProShield, color specified.

111240A - Balcony Deck.

Barrier: Weldment comprised of 5/8" solid steel vertical rails, 1 1/8" O.D. steel horizontal rails with 203 or 303 stainless steel welded inserts with 5/8" internal threads. Finish: TenderTuff, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Deck: Fabricated from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface shall be perforated with 5/16" diameter holes perforated. The finished size shall measure 2 5/8" x 34" (straight edge) x 17" radius (curved edge). Finish: TenderTuff, color specified.

115253A - Hole Panel.

Bracket: Formed 11 GA (.120") 5052 aluminum angle. Finish: ProShield, color matched to panel.

Hole Panel: One-color Permalene. Panel shall measure 35 1/2" wide x 37" high, color specified.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

120314A - Wire Barrier Above Deck.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Wire Barrier: Weldment comprised of 5/8" solid steel vertical rails, 1 1/8" O.D. steel horizontal rails with 203 or 303 stainless steel welded inserts with 5/8" internal threads, 1 1/2" x 1 1/2" x 29 1/2" angle iron and 1/4" diameter wire. Barrier shall have approximately 1 5/8" x 2 9/16" openings and measure 33 7/8" wide x 39 13/16" high. Finish: TenderTuff, color specified.

90o Bracket: Formed from 1/4" x 1 1/4" HRPO flat steel. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

127440A - Trail Tracker Reach Panel Ground Level.

Access Clamp: Weldment comprised of 3/8" HRPO steel plate and 1/4" x 1 3/4" wide steel clamp. Finish: ProShield, color specified.

Permalene Panel: Two color panel measures 34" wide x 13" high, color specified.

Angle: Fabricated from formed 11 GA (.120") HRPO sheet steel. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Half Clamp: Cast aluminum. Finish: ProShield, color specified.

164094B - Bongo Reach Panel Ground Level.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Access Clamp: Weldment comprised of 3/8" HRPO steel plate and 1/4" x 1 3/4" wide steel clamp. Finish: ProShield, color specified.

Angle: Fabricated from formed 11 GA (.120") HRPO sheet steel. Finish: ProShield, color specified.

Screen Plate: Fabricated from 12 GA. (.105") HRPO flat steel. Finish: Black in color.

Bongo: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Panel: Two color Permalene panel measures 34" wide x 18" high, color specified.

169319A - Recycled Wood-Grain Lumber Panel.

Poly Board: Recycled 1 1/2" x 3 1/2" and 1 1/2" x 5 1/2" high density polyethylene, cedar or mink in color.

Barrier Rail: Weldment comprised of 1.125" O.D. 11 GA. (.120") steel tubing with 203 or 303 stainless steel inserts, with 5/8" internal threads and 1/4" HRPO steel plate. Finish: ProShield, tan in color.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Bracket: Formed from 1/4" x 1 1/4" HRPO flat steel. Finish: ProShield, tan in color.

111362A - Talk Tube 40' Tubing Kit PB.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Hose Clamp: Band and housing made from 300 series stainless steel. Slotted screw with hex head and safety collar shall be cadmium-plated carbon steel.

Talk Tube Hose: Made from 1.75" O.D. HDPE conduit.

111363A - Talk Tube At Grade Mounted DB Only.

Bug Screen: Weave .011 Ga. charcoal fiberglass screen.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Talk Tube: Weldment comprised of 1.600" O.D. RS20 (.085" - .095") galvanized steel tubing, 14 GA. (.079") cold rolled steel sheet zinc plate, and 3/16" HRPO steel sheet. Finish: ProShield, color specified.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Talk Tube Cover: One-color Permalene, Tan in color.

120902A - Handhold Leg Lift.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Half Clamp: Cast aluminum. Finish: ProShield, color specified.

Hand Hold/Leg Lift: Weldment comprised of formed 7/8" O.D. x 11 GA (.120") and 1/4" x 1 3/4" steel half clamps. Finish: TenderTuff, color specified.

111404F - 108"Alum Post DB.

Post: See Section 219-2.1 General Specifications.

111404E - 116"Alum Post DB.

Post: See Section 219-2.1 General Specifications.

111404D - 124"Alum Post DB.

Post: See Section 219-2.1 General Specifications.

111404C - 132"Alum Post DB.

Post: See Section 219-2.1 General Specifications.

111404B - 140"Alum Post DB.

Post: See Section 219-2.1 General Specifications.

111404A - 148"Alum Post DB.

Post: See Section 219-2.1 General Specifications.

136488A - CoolToppers Full Sail DB Only.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Arm: Weldment comprised of 5" O.D. x 11 GA (.120") galvanized steel tubing and 4.690" O.D. sleeve. Finish: ProShield, color specified.

Center Tube: Weldment comprised of 5" O.D. x 11 GA (.120") galvanized steel tubing and 1/4" hanger brackets. Finish: ProShield, color specified.

Large/Small Sail shall be heavy duty, 62.9 mils (1.6 mm) thick professional grade shade fabric for tensioned structures and other shade applications; made from UV stabilized HDPE monofilament and tape yarns; specialized lock stitch knit for more air movement and better channeling of cooling breezeways; constructed to block up to 97.7% of harmful UV sun rays; fade and tear resistant. Shall have tensile strength warp 142.75 lbs. weft 560.67 lbs. tear strength warp 42.03 lb. and weft 80.70 lbs.. Shall have burst pressure 507.63 PSI and live loads 5 psf.

Half Bracket: Cast from 535 almag. Finish: ProShield, color specified.

Post Cap: Cast from 369.1 aluminum alloy. Finish: ProShield, color specified.

Clamps: Cast aluminum. Finish: ProShield, color specified.

182503C - Welcome Sign (LSI Provided) Ages 5-12 years Direct Bury.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Post: Weldment comprised 2.375" O.D. RS20 (.095-.105) wall galvanized tube, 1/4" HRPO steel sheet and aluminum post cap. Finish: ProShield, color specified.

Sign Panel: Panel shall be fabricated from 1/8" (.125") aluminum plate. Finish: ProShield, gray in color. (Sign) Digital image shall be transferred to a 1/8" (.125") ProShield coated aluminum plate, then infused into the ProShield.

122033A - SpyroSlide 72" Dk DB.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Barrier Plates: Fabricated from 1/4" x 1 1/2" zinc plated HRPO flat steel. Finish: ProShield, color specified.

Center Column: Fabricated from 3.500" O.D. RS-20 (.120" - .130") galvanized steel tubing. Finish: ProShield, color specified.

Entrance Deck: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" diameter holes and measures 31 3/4" wide x 36 27/32" long. Finish: TenderTuff, color specified.

Exit Support: Weldment comprised of 2.375" O.D. RS-20 (.095" - .105") galvanized steel tubing and 1/4" thick zinc plated HRPO flat steel. Finish: ProShield, color specified.

Slide, Hood & Barriers: Rotationally molded from U.V. stabilized linear low-density polyethylene, color specified.

Handbar: Formed from 7/8" O.D. x 11 GA (.120") black steel tubing. Finish: TenderTuff, brown in color.

Rail: 1 1/8" O.D. 6061-T6 aluminum extrusion with 5/16" walls. Finish: ProShield, color specified.

130390A - Double Swoosh Slide 72" Dk DB.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Rail Spacer: Fabricated from 1.312" O.D. x 16 GA (.065") steel tubing. Finish: ProShield, color specified.

Slide Support: Weldment comprised of 2.375" O.D. RS-20 (.095" - .105") galvanized steel tubing and 1/4" x 3" mounting plate. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Slide: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Rail: Extruded from 1.125" O.D. x .312" wall. 6005-T5 aluminum. Finish: ProShield, color specified.

Slide Hood: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

207583A - The Chimney Rock.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Handhold Frame: Weldment comprised of 1.125" O.D. 11 GA. (.120") steel tubing with 203 or 303 stainless steel inserts, with 5/8" internal threads and 1/4" HRPO steel plate. Finish: ProShield, tan in color.

Poly Board: Recycled high-density polyethylene, cedar and mink in color.

Rock Panel: Weldment comprised of 5/8" & 3/4" rebar, 1/4" HRPO steel sheet and 7 GA. (.179") thick HRPO steel plate. Finish: ProShield. Wet cast solid pour concrete product. Finish: Latex paint made for concrete, natural colors.

Wall Mount Brkt.: Fabricated from 7 GA. (.179") thick HRPO steel plate. Finish: ProShield, color specified.

Wall Mount Clamp: Weldment comprised of 1/4" HRPO steel plate. Finish: ProShield, color specified.

Spacer Tube: Made from 1 1/8" O.D. 6061-T6 aluminum tube. Finish: ProShield, tan in color.

143199A - Conical Climber 72" Dk DB.

Rails: Weldment comprised of 1.315" O.D. RS-20 (.080" - .090") galvanized steel tubing, and 1/4" x 1 1/4" HR flat steel. Finish: ProShield, color specified.

Handhold Panel: Recycled Permalene, color specified.

Mounting Plate: Fabricated from 1/8" HR flat steel. Finish: ProShield, green in color.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Hand Grip: Shall made from Polyester Resin. Hand Grips shall measure 5 3/4" long x 2 1/2" wide x 1 3/4" high.

Footer: Fabricated from 1.125" O.D. x 11 GA (.120") galvanized steel tubing. Finish: ProShield, color specified.

Belt: PVC belting, 5/16" thick, 300 PIW tension rating.

Center Loop: Weldment shall be comprised of 1.315" O.D. RS-20 (.080" - .090") galvanized steel tubing, 1/4" x 1 1/4" HR flat steel and 1/4" x 2 3/4" HR flat steel. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Spacer Tube: Made from 6061-T6 aluminum 7/8" O.D. x 1 11/16". Finish: ProShield, color specified.

219-2.3

2-5 - Tot Lot Play Structure.

2-5 - Tot Lot Play Structure shall be Drawing No. 1129005-01-08 (2-5 years) by Landscape Structures, Inc., or an approved equal, Coast Recreation, Inc. (714) 619-0100.

2-5 - Play Structure Components:

171568A - Mushroom Stepper 8" Height DB Only.

GFRC Mushroom Assembly: (Support) Comprised of 2 3/8" O.D. RS40 (.130"-.140") wall galvanized steel tubing. Finish: ProShield. (Mushroom Climber) Glass reinforced wet cast solid pour concrete product. Finish: Latex paint made for concrete, natural colors.

1715180B - Mushroom Stepper 24" Deck w/1 Recycled Wood-Grain Handhold 1 Handloop DB Only Right Handhold.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Handloop: Weldment comprised of 1.125" O.D. x 11 GA (.120") steel tubing with 203 or 303 stainless steel inserts, with 3/8" internal thread. Finish: TenderTuff, color specified.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Handhold Frame: Weldment comprised of 1.125" O.D. 11 GA (.120") steel tubing with 203 or 303 stainless steel inserts, with 5/8" internal threads and 1/4" HRPO steel plate. Finish: ProShield, tan in color.

Poly Board: Recycled high-density polyethylene, cedar and mink in color.

GFRC Mushroom Assembly: (Support) Comprised of 2 3/8" O.D. RS40 (.130"-.140") wall galvanized steel tubing. Finish: ProShield. (Mushroom Climber) Glass reinforced wet cast solid pour concrete product. Finish: Latex paint made for concrete, natural colors.

1715180B - Mushroom Stepper 24" Deck w/1 Recycled Wood-Grain Handhold 1 Handloop DB Only Left Handhold.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Handloop: Weldment comprised of 1.125" O.D. x 11 GA (.120") steel tubing with 203 or 303 stainless steel inserts, with 3/8" internal thread. Finish: TenderTuff, color specified.

GFRC Mushroom Assembly: (Support) Comprised of 2 3/8" O.D. RS40 (.130"-.140") wall galvanized steel tubing. Finish: ProShield. (Mushroom Climber) Glass reinforced wet cast solid pour concrete product. Finish: Latex paint made for concrete, natural colors.

Handhold Frame: Weldment comprised of 1.125" O.D. 11 GA. (.120") steel tubing with 203 or 303 stainless steel inserts, with 5/8" internal threads and 1/4" HRPO steel plate. Finish: ProShield, tan in color.

Poly Board: Recycled high-density polyethylene, cedar and mink in color.

111228A - Square Tenderdeck

Square Deck: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface shall be perforated with 5/16" diameter holes. Deck face shall have (4) slotted holes for face mounting components. The finished size shall measure 2 5/8" x 47" x 47". Finish: TenderTuff, color specified.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

111229A - Square Deck Extension

Square Deck Extension: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface shall be perforated with 5/16" diameter holes. Deck face shall have (4) slotted holes for face mounting components. The finished size shall measure 2 5/8" x 42" x 47". Finish: TenderTuff, color specified.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

121948A - Kick Plate 8" Rise

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Kick Plate: Fabricated from 11 GA (.120") HR flat steel. Finish: TenderTuff, brown or gray in color.

121948B - Kick Plate 16" Rise

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Kick Plate: Fabricated from 11 GA (.120") HR flat steel. Finish: TenderTuff, brown or gray in color.

121949A - Tri-Deck Kick Plate 8" Rise

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Kick Plate: Fabricated from 11 GA (.120") HR flat steel. Finish: TenderTuff, brown or gray in color.

122197A - 90* Triangular Tenderdeck

Triangular Deck: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface shall be perforated with 5/16" diameter holes. Deck face shall have (4) slotted holes for face mounting components. The finished size shall measure 2 5/8" x 37 3/4". Finish: TenderTuff, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

184354A - Curved Transfer Module Right 2-5yrs 32" Dk DB

Deck Support: Weldment comprised of 3 1/2" O.D. RS-20 (.125") galvanized steel tubing and 3/8" O.D. x 5" long CRS rod. Finish: ProShield, color specified.

Deck: Flange formed from 12 GA (.105") HRPO sheet steel conforming to ASTM A1011. Standing surface shall be perforated with 5/16" (7,92 mm) diameter holes and measure 29" per (2) sides. Finish: TenderTuff, color specified.

Step Support: Weldment comprised of 1.660" (42,16 mm) O.D. RS-20 (.080" - .095") galvanized steel tubing and 1 3/4" x 1 3/4" x 1/8" HR angle. Finish: ProShield, color specified.

Step Sections/Top Step Section: Formed from 12 GA (.105") HRPO sheet steel conforming to ASTM A1011. Standing surface shall be 24 3/8" wide x 14" deep and perforated with 5/16" diameter holes. Finish: TenderTuff, color specified.

Panels: Permalene, color specified.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Spacer Tube: Fabricated from 6061-T6 aluminum 1 1/8" O.D. x 1 1/4". Finish: ProShield, color specified.

Spacer Tube: Made from 1 1/8" O.D. 6061-T6 aluminum tubing. Finish: ProShield, color specified.

Railings: Weldment comprised of formed 1 1/8" O.D. x 11 GA (.120") steel tubing, 3/16" thick HR flat steel, 3/16" thick HRPO steel plate and 3/4" O.D. x 11 GA. (.120") stainless steel tubing. Finish: TenderTuff, color specified.

Stl. Hanger Clamp: Weldment comprised of 1/4" HRPO flat steel. Finish: ProShield, color specified.

123319A - Hourglass Panel Above Deck

Angled Panel Bracket: Weldment comprised of .190" thick 5052 aluminum formed angle with (2) 6005-T5 aluminum threaded tubes 1 1/8" O.D. x 1 1/2" long. Finish: ProShield, color specified.

Hour Glass Beads: #40 stainless steel beads.

Spacer Tube: Made from 6061-T6 aluminum 7/8" O.D. x 1 11/16" . Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Hour Glass: Vacuum formed, clear polycarbonate.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Permalene Panel: One-color panel measures 35 5/8" wide x 41" high, color specified.

135731A - Chimes Reach Panel Ground Level

Access Clamp: Weldment comprised of 3/8" HRPO steel plate and 1/4" x 1 3/4" wide steel clamp. Finish: ProShield, color specified.

Angle: Fabricated from formed 11 GA (.120") HRPO sheet steel. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Half Clamp: Cast aluminum. Finish: ProShield, color specified.

Panel: One-color panel measures 34" wide x 18" high, color specified.

Front & Back Panels: Two color panels measure 23 1/4" wide x 16 1/4" high, color specified.

169319A - Recycled Wood-Grain Lumber Panel

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Poly Board: Recycled 1 1/2" x 3 1/2" and 1 1/2" x 5 1/2" high density polyethylene, cedar or mink in color.

Barrier Rail: Weldment comprised of 1.125" O.D. 11 GA. (.120") steel tubing with 203 or 303 stainless steel inserts, with 5/8" internal threads and 1/4" HRPO steel plate. Finish: ProShield, tan in color.

Bracket: Formed from 1/4" x 1 1/4" HRPO flat steel. Finish: ProShield, tan in color.

111404G - 100"Alum Post DB

Post: See Section 219-2.1 General Specifications.

111404F - 108"Alum Post DB

Post: See Section 219-2.1 General Specifications.

111404D - 124"Alum Post DB

Post: See Section 219-2.1 General Specifications.

136488A - CoolToppers Full Sail DB Only

Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Large/Small Sail shall be heavy duty, 62.9 mils (1.6 mm) thick professional grade shade fabric for tensioned structures and other shade applications; made from UV stabilized HDPE monofilament and tape yarns; specialized lock stitch knit for more air movement and better channeling of cooling breezeways; constructed to block up to 97.7% of harmful UV sun rays; fade and tear resistant. Shave have tensile strength warp 142.75 lbs. weft 560.67 lbs.; tear strength warp 42.03 lb. and weft 80.70 lbs.; Burst pressure 507.63 PSI; live loads 5 psf.

Arm: Weldment comprised of 5" (127 mm) O.D. x 11 GA (.120") galvanized steel tubing and 4.690" O.D. sleeve. Finish: ProShield, color specified.

Center Tube: Weldment comprised of 5" O.D. x 11 GA (.120") galvanized steel tubing and 1/4" hanger brackets. Finish: ProShield, color specified.

Half Bracket: Cast from 535 almag. Finish: ProShield, color specified.

Post Cap: Cast from 369.1 aluminum alloy. Finish: ProShield, color specified.

182503A - Welcome Sign (LSI Provided) Ages 2-5 years Direct Bury

Border: Permalene, black in color.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Sign Panel: Panel shall be fabricated from 1/8" (.125") aluminum plate. Finish: ProShield, gray in color. (Sign) Digital image shall be transferred to a 1/8" (.125") ProShield coated aluminum plate, then infused into the ProShield.

Post: Weldment comprised 2.375" O.D. RS20 (.095-.105) wall galvanized tube, 1/4" HRPO steel sheet and aluminum post cap. Finish: ProShield, color specified.

130798A - Double Swirl Slide 48" Dk DB

Rail: Extruded from 1.125" O.D. x .312" wall. 6005-T5 aluminum. Finish: ProShield, color specified.

Slide Hood: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Slide: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Rail Spacer: Fabricated from 1.312" O.D. x 16 GA (.065") steel tubing. Finish: ProShield, color specified.

Mid-Support: Weldment comprised of 1.660" O.D. RS-20 (.085" - .095") galvanized steel tubing and 1/4" x 3" mounting plate. Finish: ProShield, color specified.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Slide Support: Weldment comprised of 2.375" O.D. RS-20 (.095" - .105") galvanized steel tubing and 1/4" x 3" mounting plate. Finish: ProShield, color specified.

145838A - Lava Run Slide DB

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Rail: Extruded from 1.125" O.D. x .312" W. 6061-T6 aluminum. Finish: ProShield, color specified.

Rail Spacer: Fabricated from 1.312" O.D. x 16 Ga. (.065") steel tubing. Finish: ProShield, color specified.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Hood: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Support: Weldment comprised of 1.660" O.D. RS20 (.085"-.095") galvanized steel tubing and fabricated 7 GA. (.179") steel plate. Finish: ProShield, color specified.

Lava Run: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

219-2.4 Freestanding Play (Swings).

Freestanding Play (Swings) shall be Drawing No. 1129005-01-08 by Landscape Structures, Inc., or an approved equal, Coast Recreation, Inc. (714) 619-0100.

Free Standing Play (Swings) Components:

176038A - Full Bucket Seat ProGuard Chains for 8' Beam Height

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Full Bucket Seat shall be made of U.V. stabilized high-quality black rubber encapsulating a 24 GA (.024") stainless steel reinforcement plate. Handles shall be cast from 356-T6 aluminum alloy with black polyarmor paint finish. Handles shall attach to seat with (3) 1/4" x 1 5/16" long stainless steel rivets. The full bucket shall measure 9" deep x 10 1/2" wide.

Chain/ProGuard: Steel 3/16" straight link chain, 800 lb. working load limit. Finish: ProGuard.

221292A - 5" Arch Swing Frame 8' Beam Height Only

Swing Beam: Weldment comprised of tee clamps and 5" O.D. extruded 6005-T5 aluminum alloy tube with a .125" W. Finish: ProShield, color specified.

Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Arch Posts: See Section 219-2.1 General Specifications.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

173592A - Oodle Swing DB Only

Swing Seat: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Swing Seat Bracket: Weldment comprised of 1.66" O.D. RS20 wall galvanized steel tube, 1.00" O.D. x .750" I.D. 1018 steel tube and 7GA HRPO steel sheet. Finish: ProShield, color specified.

Rope Tab Swivel: Made from 6061-T6 aluminum.

Cable shall be made of tightly woven polyester-wrapped, six-stranded galvanized-steel cable with apolypropylene core. (Cable Connectors) 6061-T6 aluminum.

Bumper shall be molded from U.V. stabilized black EPDM rubber encapsulating 11 GA HRPO steel sheet.

Swing Arch: Weldment comprised of 3.500" O.D. RS20 (.080"-.090" wall) galvanized steel tube and 1/2" thick stainless-steel tabs. Finish: ProShield, color specified.

Swing Leg: 3.500" O.D. RS20 (.080"-.090" wall) galvanized steel tube. Finish: ProShield, color specified.

Swing Hanger Assembly: Assembly comprised of 300 series stainless steel knuckle and yoke, stainless steel swing pin, stainless steel spring pin and oilite bushings.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

219-2.5

FITNESS EQUIPMENT.

Fitness equipment shall be Drawing No. 1129005-01-08 by Landscape Structures, Inc., or an approved equal, Coast Recreation, Inc. (714) 619-0100.

192455A - Cardio Stepper DB Order Post Separately

Foot Pad: Rotationally molded from U.V. stabilized linear low-density polyethylene, black in color.

Foot Pad: Rotationally molded from U.V. stabilized linear low-density polyethylene, black in color.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Resistance Assy.: Resistance mechanism shall feature wear-resistant composites that provide bi-directional resistance. Mechanism shall be mounted in a housing comprised of 3/4" thick steel plate and 11 GA. (.120") thick steel cover. Finish: ProShield, color specified.

Shaft Clamp: Stainless steel. Finish: ProShield, color specified.

Stepper Footer (DB): Weldment comprised of 5.000" O.D. x .120" wall galvanized steel tube, and 1/4" thick HRPO sheet steel. Finish: ProShield, color specified.

Stepper Frame: Weldment comprised of 1.900" O.D. RS40 (.120"-.130") wall galvanized steel tube, 1.315" O.D. RS20 (.080"-.090") wall galvanized steel tube, 1/4" thick HRPO sheet steel, 1" O.D. steel and 3/16" thick HRPO sheet steel. Finish: ProShield, color specified.

Leg Attachment: Weldment comprised of 1" O.D. steel shaft and 3/4" thick stainless-steel plate. Finish: ProShield, color specified.

Stepper Leg: Weldment comprised of 1.660" O.D. RS40 (.111" -.121") wall galvanized steel tube, 3/8" HRPO steel plate, 1.900" O.D. x 1.253" I.D. steel tube, 1" O.D. steel shaft and 1/4" thick HRPO sheet steel. Finish: ProShield, color specified.

Stepper Arm: Weldment comprised of 1.660" O.D. RS20 (.085" -.095") wall galvanized steel tube, 1.900" O.D. x 1.253" I.D. steel tube, and 1/4" thick HRPO sheet steel. Finish: ProShield, color specified.

Sign Panel: Panel shall be fabricated from 11 GA. (.120") aluminum. Finish: ProShield, gray in color. (Sign) Digital image shall be transferred to a .120" thick ProShield coated aluminum plate, then infused into the ProShield.

Sign Panel: Panel shall be fabricated from 11 GA. (.120") aluminum. Finish: ProShield, gray in color. (Sign) Digital image shall be transferred to a .120" thick ProShield coated aluminum plate, then infused into the ProShield.

Resistance Knob: Aluminum. Finish: ProShield, black in color.

Resistance Knob: Aluminum. Finish: ProShield, black in color.

192456A - Chest/Back Press DB Order Post Separately

Back Support/Seat: Rotationally molded from U.V. stabilized linear low-density polyethylene, black in color.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Resistance Assy.: Resistance mechanism shall feature wear-resistant composites that provide bi-directional resistance. Mechanism shall be mounted in a housing comprised of 3/4" thick steel plate and 11 GA. (.120") thick steel cover. Finish: ProShield, color specified.

Shaft Clamp: Stainless steel. Finish: ProShield, color specified.

Frame: Weldment comprised of 1.660" O.D. RS40 (.111"-.121") wall galvanized steel tube, 7 GA. (.179") thick HRPO steel sheet and 1/4" thick HRPO sheet steel. Finish: ProShield, color specified.

Hand Bar: Weldment comprised of 1.660" O.D. RS40 (.111"-.121") wall galvanized steel tube, and .875" thick stainless steel. Finish: ProShield, color specified.

Chest Back/Seat Spacer: Recycled Permalene, color specified.

Sign Panel: Panel is fabricated from 11 GA. (.120") aluminum. Finish: ProShield, gray in color. (Sign) Digital image is transferred to a .120" thick ProShield coated aluminum plate, then infused into the ProShield.

Sign Panel: Panel is fabricated from 11 GA. (.120") aluminum. Finish: ProShield, gray in color. (Sign) Digital image is transferred to a .120" thick ProShield coated aluminum plate, then infused into the ProShield.

Resistance Knob: Aluminum. Finish: ProShield, black in color.

192460A - Pull up/Dip DB Order Post Separately

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Pull-Up Bar: Weldment comprised of 1.660" O.D. RS40 (.111"-.121") wall galvanized steel tube, 1/4" HRPO sheet steel and 3/16" HRPO sheet steel. Finish: ProShield, color specified.

Sign Panel: Panel is fabricated from 11 GA. (.120") aluminum. Finish: ProShield, gray in color. (Sign) Digital image is transferred to a .120" thick ProShield coated aluminum plate, then infused into the ProShield.

192461A - Squat Press DB Order Post Separately

Shoulder Pad: Rotationally molded from U.V. stabilized EVA (ethyl vinyl acetate) and high-density polyethylene, black in color.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Resistance Assy.: Resistance mechanism features wear-resistant composites that provide bi-directional resistance. Mechanism is mounted in a housing comprised of 3/4" thick steel plate and 11 GA. (.120") thick steel cover. Finish: ProShield, color specified.

Frame: Weldment comprised of 1.900" O.D. 12 GA. (.105") wall black steel tube, 1.315" O.D. (.098"-.120") wall black steel tube, 1.660" O.D. RS40 (.111"-.121") wall black

steel tube, 7 GA. (.179") thick HRPO steel sheet, 1/4" HRPO sheet steel, and 3/8" HRPO steel plate. Finish: ProShield, color specified.

Arm: Weldment comprised of 1.660" O.D. RS40 (.111"-.121") wall galvanized steel tube, 2.375" O.D. RS40 (.130"-.140") wall galvanized steel tube, 1.900" O.D. RS40 (.090"-.100") wall galvanized steel tube and .875" thick HRPO sheet plate. Finish: ProShield, color specified.

Shaft Clamp: Stainless steel. Finish: ProShield, color specified.

Sign Panel: Panel is fabricated from 11 GA. (.120") aluminum. Finish: ProShield, gray in color. (Sign) Digital image is transferred to a .120" thick ProShield coated aluminum plate, then infused into the ProShield.

Resistance Knob: Aluminum. Finish: ProShield, black in color.

192463A - Tai Chi Wheels Order Post Separately

Speed Ball: Fabricated from 6061-T6 aluminum. Finish: Clear anodize.

Tai Chi Wheel: Weldment comprised of .125" thick aluminum alloy 6061, aluminum round hub and aluminum shaft. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Tai Chi Arm: Weldment comprised of 1.900" O.D. RS20 (.090"-.100") wall galvanized steel tube, 3/16" HRPO sheet steel, 3/8" HRPO steel sheet and stainless-steel shaft. Finish: ProShield, color specified.

Sign Panel: Panel is fabricated from 11 GA. (.120") aluminum. Finish: ProShield, gray in color. (Sign) Digital image is transferred to a .120" thick ProShield coated aluminum plate, then infused into the ProShield.

192464A - Intro Sign DB

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Sign Panel: Panel is fabricated from 11 GA. (.120") aluminum. Finish: ProShield, gray in color. (Sign) Digital image is transferred to a .120" thick ProShield coated aluminum plate, then infused into the ProShield.

Post: Weldment comprised of 5.000" O.D. 11 GA. (.120") wall galvanized steel tubing, 1.315" O.D. RS20 (.080" - .090") wall galvanized steel tubing, 1/4" HRPO steel sheet and 5" O.D. aluminum post cap. Finish: ProShield, carbon in color.

205938A - Hand Cycler Order Post Separately

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Support: Weldment comprised of 1.900" O.D. RS40 (.120"-.130") wall galvanized steel tube, 1/4" HRPO sheet steel, 1/2" HRPO sheet steel, .125" HRPO flat steel, .375" HRPO flat steel and 3/16" HRPO sheet steel. Finish: ProShield, color specified.

Adjustment Knob: Aluminum. Finish: ProShield, black in color.

Resistance Assy.: Resistance mechanism features wear-resistant composites that provide bi-directional resistance. Mechanism is mounted in a housing comprised of 11 GA. (.120") thick steel cover. Finish: ProShield, color specified.

Sign Panel: Panel is fabricated from 11 GA. (.120") aluminum. Finish: ProShield, gray in color. (Sign) Digital image is transferred to a .120" thick ProShield coated aluminum plate, then infused into the ProShield.

Handhold: High density polyethylene, black in color.

Crank Shaft Assy.: Weldment comprised of 5/8" diameter stainless steel shaft and steel crank. Finish: ProShield, color specified.

Side Panel: Recycled Permalene, color specified.

Hand Cycler Plate: Weldment comprised of 1/8" HRPO flat steel, and 1.156" diameter steel collar. Finish: ProShield, color specified.

Rotor: Weldment comprised of 3/4" diameter stainless steel shaft and .500" thick 300 series stainless steel.

Support: Weldment comprised of 1.900" O.D. RS40 (.120"-.130") wall galvanized steel tube, 1/4" HRPO sheet steel, 1/2" HRPO sheet steel, .125" HRPO flat steel, .375" HRPO flat steel and 3/16" HRPO sheet steel. Finish: ProShield, color specified.

Resistance Knob: Aluminum. Finish: ProShield, black in color.

205944A - Steel Post w/2 and 0 Attachments DB

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Sign Panel: Panel is fabricated from 11 GA. (.120") aluminum. Finish: ProShield, gray in color. (Sign) Digital image is transferred to a .120" thick ProShield coated aluminum plate, then infused into the ProShield.

Post: Weldment comprised of 5.000" O.D. 11 GA. (.120") wall galvanized steel tubing, 1.315" O.D. RS20 (.080" - .090") wall galvanized steel tubing, 1/4" HRPO steel sheet and 5" O.D. aluminum post cap. Finish: ProShield, carbon in color.

Attachment Cover: Fabricated from A356 sand casted aluminum. Finish: Proshield, carbon in color.

205945A - Steel Post w/2 and 1T Attachments DB

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Sign Panel: Panel is fabricated from 11 GA. (.120") aluminum. Finish: ProShield, gray in color. (Sign) Digital image is transferred to a .120" thick ProShield coated aluminum plate, then infused into the ProShield.

Post: Weldment comprised of 5.000" O.D. 11 GA. (.120") wall galvanized steel tubing, 1.315" O.D. RS20 (.080" - .090") wall galvanized steel tubing, 1/4" HRPO steel sheet and 5" O.D. aluminum post cap. Finish: ProShield, carbon in color.

Attachment Cover: Fabricated from A356 sand casted aluminum. Finish: Proshield, carbon in color.

205946A - Steel Post w/2 and 2 Attachments DB

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated.

Sign Panel: Panel is fabricated from 11 GA. (.120") aluminum. Finish: ProShield, gray in color. (Sign) Digital image is transferred to a .120" thick ProShield coated aluminum plate, then infused into the ProShield.

Post: Weldment comprised of 5.000" O.D. 11 GA. (.120") wall galvanized steel tubing, 1.315" O.D. RS20 (.080" - .090") wall galvanized steel tubing, 1/4" HRPO steel sheet and 5" O.D. aluminum post cap. Finish: ProShield, carbon in color.

Attachment Cover: Fabricated from A356 sand casted aluminum. Finish: Proshield, carbon in color.

219-2.5.1 Product Compliance Verification.

At time of ordering the equipment, the Contractor shall verify with the manufacturer that fitness equipment meets current safety and access guidelines and requirements. The playground components and design were designed to comply with the ADAAG Final Rule for Play Areas. The contractor shall verify current compliance prior to ordering the equipment.

219-3 RESILIENT RUBBER SURFACING.

Playground resilient rubber surfacing shall be Robertson Industries, Inc. 'Tot Turf Supreme' Poured-in-Place Playground Surfacing, or approved equal.

DESCRIPTION

Poured in place rubber playground surfacing shall consist of a polyurethane binder mixed with 100% recycled, shredded tire buffings which will make up the Cushion Layer. The Cushion Layer shall be capped with Thermal Plastic Vulcanized (TPV) rubber granules mixed with a polyurethane binder creating the Wear Course. The surfacing shall comply with ADA and CPSC guidelines as well as ASTM Standards. Surfacing shall be certified by IPEMA, a third-party testing organization for playground surfaces and equipment.

219-3.1 Applicable Standards.

ASTM International:

- ASTM C1028 Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull Meter Method – This standard replaces ASTM D2047.
- ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers- Tension.
- ASTM D624 Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers.
- ASTM D2859 Standard Test Method for Flammability of Finished Textile Floor Covering Materials.
- ASTM E303 Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester.
- ASTM F1292 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.
- ASTM F1951 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.

TPV material shall be angular granules with a (Shore A) hardness of 65°A ±5 and particle size between .5-1.5mm. Binder shall be not less than 15 percent of the total weight of TPV material used in the wear surface, and shall provide 100 percent coating of the particles. No other granule sizes are acceptable.

219-3.2 Certified installers.

Poured in place surfaces shall be manufactured and installed by trained company employees or certified installers who have successfully completed the manufacturer's "Certified Installers Training Program".

219-3.3 Submittals.

The following submittals shall be provided by the Contractor to the Resident Engineer for review and approval:

- a) One original hard copy of the submittal package.

- b) Manufacturer's descriptive data and installation instructions.
- c) Manufacturer's details showing depths of Wear Course and sub-base materials, anchoring systems and edge details.
- d) A signed statement by an authorized official certifying that the surfacing system meets the requirements of ASTM-F1292-09 for a head-first fall from the highest accessible portion of the specified playground equipment.
- e) A signed statement from the manufacturer of the poured in place surfacing attesting that all materials under this section shall be installed only by the Manufacturer's Trained Installers.
- f) Upon request, samples of the proposed material for this project.
- g) IPEMA certification.
- h) Third party test results of tensile strength equal to or greater than 170psi and elongation yield equal to or greater than 180%.

219-3.4

Materials.

CUSHION LAYER SECTION.

- a) Impact Attenuating Cushion Layer: Cushion Layer shall consist of shredded styrene butadiene rubber (SBR) adhered with a 100 percent solids polyurethane binder to form a resilient porous material.
- b) Strands of SBR may vary from 0.5 mm – 2.0 mm in thickness by 3.0 mm – 20 mm in length. Cushion material may have 10% SBR Ambient Crumb Rubber (5-9 Mesh) using sieve analysis ASTM D 5644 and a fiber content of .1% or less mixed in.
- c) Foam or standard rubber granules are not to be permitted in Cushion Layer
- d) Binder shall be between 10-14 percent of the total weight of the material, and shall provide 100 percent coating of the particles.
- e) The Cushion Layer shall be compatible with the Wear Course and must meet requirements herein for impact attenuation.

WEAR COURSE.

- a) Wear Course shall consist of Thermal Plastic Vulcanized (TPV) granules with an Aliphatic binder formulated to produce an even, uniform, seamless surface up to 2000 square feet.
- b) TPV shall be angular granules with a (Shore A) hardness of 65°A ±5 and particle size between 0.5mm to 1.5mm. Binder shall be not less than 15 percent of total weight of TVP material used in the wear surface, and shall provide 100 percent coating of the particles. No other granule sizes are acceptable.
- c) Thickness of Wear Course shall be a minimum ½ to 5/8-inch (minimum 1/2-inch, 12.7 mm).
- d) The Wear Course shall be porous.

BINDER.

- a) Binder for wear layer shall be Aliphatic polyurethane resin.
- b) No filler materials shall be used in urethane such as plasticizers and the catalyzing agent shall contain no heavy metals.
- c) Weight of polyurethane shall be no less than 8.5 lbs/gal (1.02 Kg/1) and no more than 9.5 lbs/gal (1.14 Kg/1)

COLOR.

Selected from Manufacturer's Color Chart and shown on the plans.

219-4 PREFABRICATED SHADE STRUCTURE.

The Prefabricated Shade Structure shall conform to the following specifications:

Project Name La Paz Mini Park
Building Type: SQR 24 (Square) with Multi-Rib Metal Roof "R" Panel
Colors: Posts – Surrey Beige
 Roof - Evergreen

Manufacturer: Poligon by Porter Corp., or approved equal.
 4240 136th Ave, Holland, MI 49424
 www.poligon.com

Order Contact: Kelly Spence
 Miracle Playground Sales
 (951) 695-4515 x108
 kelly.spence@miracleplayground.com

Production: The product shall be designed, produced, and finished at a facility operated and directly supervised by the supplier.

Material, color
& finishes: Per 219-4.7 Materials

Installation: Per 319-5

219-4.1 Description Of Product.

- A. SQR 24 (Square) with Multi-Rib Metal Roof "R" Panel
- B. Roof Slope – 6/12
- C. Minimum Clearance Height (MCH) – 9-feet. Minimum clearance height under the structure indicates the lowest height of a member from finish grade for clearance under the structure. This is generally the clearance under the roof eave or frame, whichever is lower.

219-4.2 Reference Standards.

- A. AISC - American Institute of Steel Construction Manual of Steel Construction.

- B. ASTM - American Society for Testing and Materials.
- C. AWS - American Welding Society.
- D. LEED - Leadership in Energy and Environmental Design.
- E. OSHA - Occupational Safety and Health Administration Steel Erection Standard 29 CFR 1926 Subpart R-Steel Erection.
- F. PCI - Powder Coating Institute.
- G. SSPC - The Society for Protective Coatings.

219-4.3 Submittals.

- A. Submit 4 sets of submittal drawings and 2 sets of calc books, both signed and sealed by a Professional Engineer licensed in the State of CA.

- B. PRODUCT DESIGN REQUIREMENTS.

The structure shall meet the following design requirements as shown on the drawings:

- a. Building Code: CBC 2016.
- b. Ground Snow Load (Pg.): 5.
- c. Basic Wind Speed (V): 110.
- d. Seismic Design: See drawings.

- C. SUBMITTAL REQUIREMENTS.

Calculations and Submittal drawings shall include, at a minimum:

- 1. Calculations.

- a. References to building codes and design manuals used for calculations.
- b. Identification of lateral force resisting system.
- c. Formulas used for determining snow, wind, and seismic loads to specific project location.
- d. Three-dimensional modeling input, model geometry, and analysis results.
- e. Member design results and controlling load combinations.
- f. Connection design for structural bolts, welds, plate thicknesses, and anchorage to the foundation.
- g. Foundation designs shall include the required combinations of gravity and lateral loads.

- 2. Submittal Drawings.

- a. Anchor bolt layout.
- b. Foundation design.

- c. Three dimensional views of frame.
 - d. Member sizes and locations.
 - e. Structural connection details, including bolt sizes and plate thicknesses.
 - f. Roof trim and connection details for installation clarity.
- D. FOUNDATION DESIGN.
- 1. The shelter shall be set on prepared foundations designed by manufacturer.
 - 2. Foundation materials shall be provided by contractor.
 - 3. Owner shall provide manufacturer with complete information about the site including soil bearing capacity and lateral load capacity.
 - 4. If soil data are not provided, foundations will be designed to the minimum values identified in the governing building code.
- E. ANCHOR BOLTS.
- Anchor bolts shall be provided by manufacturer.
- F. LEED SUBMITTALS.
- LEED MR Credit 4.0: Material and Resources, Recycled Content.

219-4.4 Quality Assurance.

- A. MANUFACTURER QUALIFICATIONS.
- 1. Full time on-staff Licensed Engineer.
 - 2. Full time on-staff AWS Certified Associate Welding Inspector.
 - 3. Full time on-staff Quality Assurance Manager.
 - 4. Full time on-staff LEED AP.
 - 5. All welders AWS Certified.
 - 6. Manufacturer owned and controlled finishing system to include shot blast, pretreatment, primer, and top coat.
 - 7. Published Quality Management System.
 - 8. Annual audit of Quality System and Plant Processes by Third Party Agency.
 - 9. Annual audit of powder coat finish system by Third Party Agency (PCI).

219-4.5 Field Or Site Conditions.

- A. Foundations shall be at the same elevation unless specifically noted otherwise on the drawings.

219-4.6 Manufacturer Warranty.

- A. Shelter must have a (10) year limited warranty on steel frame members.
- B. Shelter must have a (10) year limited warranty on paint system.
- C. Pass through warranty of Metal Roof manufacturer shall be provided upon request.

219-4.7 Materials.

GENERAL.

The pre-engineered package shall be pre-cut unless otherwise noted and prefabricated which will include all parts necessary to field construct the shelter. The shelter shall be shipped knocked down to minimize shipping expenses. Field labor will be kept to a minimum by pre-manufactured parts.

- A. REINFORCED CONCRETE.
 - 1. Concrete shall have minimum 28-day compressive strength of 3,000 psi and slump of 4" (+/- 1"), unless otherwise noted on the drawings.
 - 2. Reinforcing shall be ASTM A615, grade 60.
- B. STEEL POSTS.
 - 1. Hollow structural steel tube minimum ASTM A500 grade B with a minimum wall thickness of 3/16".
 - 2. Unless posts are direct buried, columns shall be anchored directly to concrete foundation with a minimum of four anchor rods to meet OSHA requirement 1926.755(a)(1).
- C. STRUCTURAL FRAMING.
 - 1. Hollow structural steel tube minimum ASTM A500 grade B, "I" beams, tapered columns or open channels shall not be accepted for primary beams.
 - 2. Frame will have a Standard POLI-5000 finish.
 - 3. Framing color shall be: Surrey Beige.
- D. COMPRESSION MEMBERS.
 - 1. Compression Rings of structural channel or welded plate minimum ASTM A36 or compression tubes of structural steel tube minimum ASTM A500 grade B shall only be used.
- E. CONNECTION REQUIREMENTS.
 - 1. Anchor bolts shall be ASTM F1554 (Grade 36) unless otherwise noted.

2. Structural fasteners shall be zinc plated ASTM A325 high strength bolts and A563 high strength nuts.
3. Structural fasteners shall be hidden within framing members wherever possible.
4. No field welding shall be required to construct the shelter.
5. All welds shall be free of burrs and inconsistencies.
6. Exposed fasteners shall be powder coated by manufacturer prior to shipment to match frame or roof colors as applicable.
7. Manufacturer shall provide extra structural and roofing fasteners.

F. ROOFING MATERIALS.

1. Primary roof deck shall be "R" panel metal roofing (MR).
2. Roofing shall be 24-gauge ribbed galvalume steel sheets, with ribs 1-3/16" high and 12" on center.
3. Roof surface shall be painted with Kynar 500 to the manufacturer's standard color "Evergreen". Ceiling surface shall be a "wash coat" primer.
4. Roof panels shall be factory pre-cut size and angled to provide ease of one-step installation.
5. Metal roofing trim shall match the color of the roof and shall be factory-made of 26-gauge Kynar 500 painted steel.
6. Trim shall include panel ridge caps, hip caps, eave trim, splice channels, rake trim, roof peak cap, and corner trim as applicable for model selected. Trim may need to be cut to length and notched. Installation drawings shall have detailed information on how to cut and affix roof trim.
7. Ridge, hip, and valley caps shall be pre-formed with a single central bend to match the roof pitch and shall be hemmed on the sides.
8. Roof peak cap shall be pre-manufactured.
9. Manufacturer shall supply painted screws and butyl tape.

G. FINISHES.

1. Finish shall be Standard Poli-5000 finish.
2. Steel shall be cleaned, pretreated and finished at a facility owned and directly supervised by the manufacturer.
3. Steel shall be shot blasted to SSPC-SP10 near-white cleaning. SSPC-SP2 hand tool cleaning will not be an acceptable alternative.
4. Parts shall be pretreated in a 3-stage iron phosphate or equal washer.
5. Epoxy primer powder coat shall be applied to parts for superior corrosion protection.
6. Top coat of Super Durable TGIC powder coat shall be applied over the epoxy primer.
7. Finish shall not have any VOC emissions.

8. Sample production parts shall have been tested and meet the following criteria:
 - a. Salt spray resistance per ASTM B 117/ASTM D 1654 to 10,000 hours with no creep from scribe line and rating of 10.
 - b. Humidity resistance per ASTM D2247-02 to 5,000 hours with no loss of adhesion or blistering.
 - c. Color/UV resistance per ASTM G154-04 to 2,000 hours exposure, alternate cycles with results of no chalking, 75% color retention, color variation maximum 3.0 E variation CIE formula (before and after 2,000 hours exposure).
9. The manufacturer shall be PCI 4000 S Certified.
10. Exposed fasteners for frame and ornamentation shall be powder-coated to match structure.

SECTION 300 - EARTHWORK

300-1.1

General. To the "WHITEBOOK", ADD the following:

10. Clearing and grubbing shall include the removal, relocation, adjusting, or salvaging of all facilities so indicated on the plans.
11. In addition, clearing and grubbing shall include, but not limited to the following items as shown on the plans and specified herein:
 - a) Deleterious materials resulting from clearing and grubbing operations shall be hauled away and disposed of legally at a site obtained by the Contractor.
 - b) Removal and disposal of pipe, steel posts, rubble, miscellaneous concrete and any additional items not specifically mentioned which may be found within the work limits and beneath the ground surface as a result of grading or trenching operations connected with the construction of project improvements.
 - c) Furnishing and applying water.
 - d) Adjustment to grade of miscellaneous items such as utility boxes, valves, manholes, pull boxes, posts.
 - e) The Contractor shall remove and transport debris and rubbish in a manner that will prevent spillage on streets or adjacent areas. Clean-up of spillage will be at the Contractor's expense.
 - f) Any asphalt pavement and concrete footing material removed during clearing operations should be properly disposed at an approved off-site facility.

ADD:

300-1.5

Execution.

- (1) **Paving:** Remove asphaltic concrete paving to depths as indicated on the plans or as required to allow for new improvements.
- (2) **Concrete:** Where concrete work is to be removed, saw cut concrete along existing joints to a depth of four inches minimum. At walls and other vertical surfaces, saw cuts shall be perpendicular to the vertical face and in alignment with the cut in the horizontal face. The remainder of the concrete shall be broken out, provided that the broken area is concealed in the finished work, and the remaining concrete is sound. At locations where the broken face cannot be concealed, it shall be ground smooth or the sawcut shall be made entirely through the concrete.
- (3) **Filling:** Fill holes and other hazardous openings in accordance with Section 300 "Earthwork".
- (4) **Title to Materials:** Title to all materials resulting from demolition, and all materials and equipment to be removed, is vested in the Contractor upon approval by the Resident Engineer of the Contractor's demolition and removal procedures, and authorization by the Resident Engineer to begin demolition. The City will not be responsible for the condition or loss of, or damage to, such property after notice to proceed. Materials and equipment shall not be viewed by prospective purchasers or sold on or near the site.
- (5) **Salvaged Materials and Equipment:** Contractor to carefully remove materials and equipment with minimal damage that are designated to be salvaged on the plans. See Section 5-14 "Construction and Demolition Waste Management".
- (6) **Debris and Rubbish:** Remove and transport debris and rubbish in a manner that will prevent spillage on streets or adjacent areas. Clean up spillage from streets and adjacent roads.
- (7) **Hazardous Materials:** refer to Section 5-15 "Encountering or Releasing Hazardous Substances" of the Whitebook for procedures when hazardous materials are encountered during excavation.

300-2.9

Payment. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

Unclassified Excavation shall be included in the lump sum Bid Item for "Construction of Park Improvements". This will include full compensation for furnishing all labor, materials, tools, equipment, and incidents, and for doing all the work involved in the excavation and embankments to achieve the subgrades and final grades as shown on the plans and as specified and as directed by the Resident Engineer.

The contractor shall be required to prepare their own earthwork quantities for bidding and construction purposes. Any reference to earthwork quantities on the plans is strictly for bonding purposes and shall not be used by the contractor for a price basis. No additional compensation for excavation, embankment, import, or export of material shall be allowed.

300-4.1 General. To the "GREENBOOK", ADD the following:

The suitability of unclassified excavation as fill material shall be as described herein and in accordance with the geotechnical report.

ADD:

300-12 EARTHWORK FOR PARK IMPROVEMENTS.

300-12.1 Soil and Excavation Characteristics.

- 1) Soils shall be tested by the geotechnical engineer for suitability of soils as fill material prior to placement to avoid premature corrosion of underground pipes and buried metal in direct contact with soil. Any corrosive soils found shall be removed from the site or covered by a minimum of 3-feet by acceptable fill soils or topsoil.

300-12.2 Temporary Excavations.

- 1) Temporary excavations shall be constructed in conformance with OSHA requirements. The onsite fill soil shall be considered Type B soil in accordance with OSHA requirements. The San Diego Formation shall be considered Type A. Shoring shall be installed in accordance with applicable OSHA codes and regulations.

300-12-3 Grading.

- 1) All grading shall be performed in accordance with the Grading Ordinance of the City of San Diego and the Recommended Grading Specifications contained herein Section 300-12 'Earthwork for Park Improvements'. All earthwork shall be observed and all fill tested for proper compaction by the geotechnical professional. The contractor shall notify the Resident Engineer when the grading operations start so that the geotechnical professional can be present.
- 2) A pre-construction meeting shall be held at the site with the grading and underground contractor, civil engineer, geotechnical engineer, City of San Diego personnel, and representatives from the landscape architect in attendance. Special soil handling and/or grading can be discussed at that time.
- 3) Earthwork shall be observed by and tested by the geotechnical consultant. The contractor shall inform the resident engineer when grading operations have started.
- 4) The contractor shall provide adequate equipment and methods to accomplish the work in accordance with the applicable grading codes or agency ordinances, these specifications and the approved grading plans. If, in the

opinion of the geotechnical consultant, unsatisfactory conditions such as questionable soil materials, poor moisture condition, inadequate compaction, adverse weather, result in a quality of work not in conformance with these specifications, the geotechnical consultant shall reject the work and recommend to the City that grading be stopped until the unacceptable conditions are corrected.

- 5) Deleterious material and debris, such as broken asphalt and concrete, shall be exported from the site and shall not be mixed with the fill soils.
- 6) Abandoned buried utilities and foundations shall be removed and the subsequent depressions and/or trenches filled with properly compacted material as part of the remedial grading.
- 7) Existing undocumented fill and topsoil in areas planned to receive structural improvements shall be removed until dense formational soil is exposed and replaced as compacted fill. The actual extent of unsuitable soil removals shall be determined in the field by the geotechnical professional.
- 8) Where settlement sensitive improvements are designed for shallow footings, the existing fill soils within the improvement pads shall be over-excavated to competent native soils. The extent and depths of removals and over excavations shall be evaluated by the geotechnical professional. Subsequent to removal, the resulting surface shall be scarified to a depth of approximately 6 inches, moisture conditioned and recompacted to a relative compaction of 90 percent as evaluated by the ASTM International (ASTM) Test Method D 1557 prior to placing new fill.
- 9) For flatwork and lightly loaded areas, the existing fill surface shall be scarified to a depth of approximately 6 inches, moisture conditioned and recompacted to a relative compaction of 90 percent as evaluated by the ASTM Test Method D 1557 prior to placing new fill. Prior to scarification and processing, the existing soils should be evaluated by the geotechnical professional based on the materials exposed.
- 10) Once the resulting removal surface has been recompacted, the over excavation shall be backfilled with generally granular soils that possess a low-expansion potential (i.e., an expansion index [EI] of 50 or less). The materials generated from the remedial grading may be reused onsite provided they meet the criteria for fill materials described in Section 9.1.5 of the geotechnical report. The over excavation shall extend to the horizontal limits of the proposed improvement pads, plus a horizontal distance of 5 feet, where feasible.
- 11) Finish Grading.
 - a. Finish grades shall be measured at the top surface of materials.

- b. The Contractor shall take every precaution to protect and avoid damage to underground utilities during grading and conditioning operations.
- c. The Contractor shall coordinate all drainage work with all other trades. Established site drainage shall be maintained by the Contractor during all phases of landscape construction.
- d. Final finish grades shall ensure positive drainage of the site with all surface drainage away from trails, buildings, play areas, walls, and toward drainage facilities, and catch basins or water courses.
- e. Final grades shall be acceptable to the Resident Engineer. Grading operations shall conform to these grading specifications herein.

SECTION 301 – SUBGRADE PREPARATION, TREATED MATERIALS, AND PLACEMENT OF BASE MATERIALS

301-1.6 Preparatory Repair Work. To the “WHITEBOOK”, item 1, DELETE in its entirety and SUBSTITUTE with the following:

- 1. Prior to the placement of any asphalt concrete or application of slurry, you shall complete all necessary preparation and repair Work and shall obtain approval by the Resident Engineer.

ADD the following:

- 13. Asphalt concrete shall be Type III and shall not exceed 15% RAP in accordance with 203-6.3.1, “General”.

301-2.1 General. To the “GREENBOOK”, ADD the following:

Class II Aggregate Base shall be installed per Section 301-2 “Untreated Base”.

301-2.4 Measurement And Payment. To the “GREENBOOK”, ADD the following:

Payment for Class II Aggregate Base shall be included in the lump sum Bid Item for “Construction of Park Improvements” and shall include full compensation for furnishing all labor, materials, equipment and incidentals necessary to perform the work as specified in the Standard Specifications, these Special Provisions and as directed by the Resident Engineer.

SECTION 302 – ROADWAY SURFACING

302-4.5 Scheduling, Public Convenience and Traffic Control. To the “GREENBOOK”, paragraphs (1) and (2), DELETE in their entirety and SUBSTITUTE with the following:

- 1. In addition to the requirements of Part 6, you shall comply with the following:
 - a) At least 5 Working Days prior to commencing the Work, you shall submit your proposed Schedule to the Engineer for approval.

- b) Based upon the approved schedule, you shall notify residents and businesses of the Work and post temporary "No Parking" signs 72 hours in advance.
- c) Requests for changes in the approved Schedule shall be submitted to the Engineer for approval at least 3 Working Days before the street is scheduled to be sealed.

SECTION 303 - CONCRETE AND MASONRY CONSTRUCTION

303-1.1 General. To the "GREENBOOK", ADD the following:

This work shall consist of preparing the area on which the concrete work is to be placed, which may include preparation of sub-grade, removal of tree roots, and placement of base materials in accordance with these Specifications and as shown on the plans. The following types of miscellaneous concrete items are included:

Concrete Paving

Concrete Sidewalk and Curb

Concrete Street Section

Integral Color Concrete Band

Deepened Color Concrete Band

CIP Concrete Wall

Concrete Footings

303-1.12 Payment. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

Payment for concrete structures shall be included in the lump sum Bid Item for "Construction of Park Improvements" and shall include the complete structural section, reinforcing, subgrade preparation, compaction, form work, and all specified finishes, admixtures, sealants, etc. and no other payment allowed therefore.

303-4.1.5 Measurement and Payment. To the GREENBOOK, DELETE in its entirety and SUBSTITUTE with the following:

Payment for masonry construction shall be included in the lump sum Bid Item for "Construction of Park Improvements" and shall include the complete structural footing section, reinforcing, subgrade preparation, compaction, formwork, and all specified finishes, admixtures, sealants, etc. and no other payment allowed therefore.

303-5.1.1 General. To the "WHITEBOOK", ADD the following:

- 7. This work shall consist of preparing the area on which the concrete work is to be placed, which may include preparation of sub-grade, removal of tree roots, and placement of base materials in accordance with these Specifications and

as shown on the plans. The following types of miscellaneous concrete items are included:

- a) Standard Concrete Paving installed per Section 303-5.5.3 "Walk".
- b) ADA Accessible Ramps installed per Section 303-5.5.5 "Alley Intersections, Access Ramps, and Driveways".

8. For the purposes of this section, the terms "walk" and "access ramp" shall be synonymous with "sidewalk" and "curb ramp and pedestrian ramp", respectively.

303-5.5.3 Walk. To the "GREENBOOK", First paragraph, DELETE in its entirety and SUBSTITUTE with the following:

The forms shall be set to place the finish surface in a plane sloping from one edge of paving to the other edge at a maximum of 1.5 percent perpendicular to the edge of paving, unless otherwise shown on the plans.

ADD the following:

After final troweling all walk surfaces shall receive a uniform light broom finish with a stiff fiber broom perpendicular to the edge of the walk, verify direction with Resident Engineer. Upon final curing walk surface shall meet or exceed a static coefficient of friction of .6 wet and approximately .8 dry. Finished surface shall meet ADAAG 4.5 requirements for paving.

303-5.9 Measurement and Payment. To the "WHITEBOOK", ADD the following:

- 7. Payment for sidewalk, concrete paving, curb & gutters, and miscellaneous concrete items per SSP Section 303-5.1.1 "General" shall be included in the lump sum Bid Item for "Construction of Park Improvements" and shall include the complete structural section, reinforcing, subgrade preparation, compaction, formwork, and all specified finishes, admixtures, sealants, etc. and no other payment allowed therefore.

303-5.10.2 Payment. To the "WHITEBOOK", ADD the following:

- 4. The payment for completely removing and replacing the existing concrete spandrel of a cross gutter associated with curb ramp installations, in accordance with SDG-131 - General Curb Ramp Notes, and as identified on the Plans, shall be included in the payment for the curb ramp. No additional costs shall be incurred when separate Bid items for cross gutters has been provided.

The payment for completely removing and replacing the existing concrete alley apron associated with curb ramp installations, in accordance with SDG-F131 - General Curb Ramp Notes, and as identified on the Plans, shall be included in the payment for the Curb Ramp installation. No additional costs shall be incurred when separate Bid items for alley aprons has been provided

303-7.1 **General.** To the "GREENBOOK", first sentence, DELETE 'Method A' in its entirety.

ADD the following:

Provide a minimum 3'-0" wide x 3'-0" long colored concrete band sample on-site, of each of the colors and finishes to be used in the installation on identical surfaces for approval by the Resident Engineer with coordination by the Resident Engineer a minimum of one week prior to construction of colored concrete work. The approved samples shall remain on-site and shall serve as a basis of comparison for all colored concrete work.

303-8.1 **General.** To the "WHITEBOOK", ADD the following:

4. This work shall include but not be limited to preparing the area on which the pervious concrete work is to be placed, which may include preparation of subgrade, removal of tree roots, and placement of base, stone subbase and reinforcing materials in accordance with these Specifications and as shown on the plans. The following types of miscellaneous pervious concrete items are included:

- a) Pervious Concrete Sub-slab with epoxy coated rebar and stone sub-base(s).
- b) The air void content of the pervious concrete shall be 15-30%.

303-8.10 **Payment.** To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

Payment for Pervious Concrete shall be included in the lump sum Bid Item for "Construction of Park Improvements" for the project and shall include full compensation for furnishing all items of work necessary to construct pervious concrete including but not limited to subgrade preparation, base and stone subbase material, geotextile fabrics, epoxy coated reinforcing, forming, finishing, etc. No additional compensation for this work will be allowed.

ADD:

303-9 **CAST-IN-PLACE CONCRETE WALLS.**

303-9.1 **Mock-ups.**

Contractor shall provide mock-ups for each concrete wall type shown on the plans, providing a representative sample of the wall jointing and wall finish, complete and in place with veneers, caps, or other features, including anti-graffiti coatings per specs. Wall mock-ups shall be reviewed and approved by Resident Engineer prior to construction of the final wall improvements.

SECTION 306 – OPEN TRENCH CONDUIT CONSTRUCTION

ADD:

306-8.5.4 High Deflection Coupling.

1. High deflection couplings shall be constructed in accordance with the Plans and Reference Specifications. Working Drawings prepared by a Civil or Structural Engineer registered in the State of California shall be submitted in accordance with 3-8.2, "Working Drawings" for any proposed additional high deflection couplings not indicated on the Plans and Reference Specifications.

SECTION 310 - PAINTING

ADD:

310-6 ANTI-GRAFFITI COATING INSTALLATION.

310-6.1 Items to Receive Anti-Graffiti Coating.

Anti-graffiti coating shall be applied to ALL masonry, cast in place concrete constructed walls and site furnishings including their components such as grout joints, mortar joints, wall caps, veneers, stone veneers, exposed portions of walls, boulders, etc.

Anti-graffiti coating, per this section, shall also be applied to precast concrete site furnishings, including walls, entry monuments, benches, tables, bollards, litter receptacles, masonry walls, seat walls, sound walls, neighborhood walls, retaining walls, light poles, veneer walls, hot coals receptacles, barbecues, etc. by either the Manufacturer or Contractor prior to installation and delivery to the site. If Contractor opts for a Manufacturer applied anti-graffiti coating, the Contractor shall be responsible for conformance to Section 210.1.1.1 "Anti-graffiti Coating" and supplementary special provisions.

Additional components to precast concrete component such as grout joints, mortar joints, wall caps, veneers, stone veneers, etc. shall also have anti-graffiti coating applied by the Contractor.

Contractor shall apply anti-graffiti coating to concrete improvement mock-ups to show a representative example of the complete and finished installation.

310-6.2 Application. Application shall be applied by spray method unless otherwise approved or directed by the Resident Engineer. Anti-graffiti application shall conform to Section 310-1 "General" for Weather Conditions, Application, Thinning, and Protection of Work.

310-6.3 Payment. The payment for the Anti-Graffiti Coating Installation shall be included in the lump sum Bid Item for "Construction of Park Improvements". This shall include all labor, materials, equipment and incidentals shall be included in the price for the individual item to which it is applied and within the lump sum project cost. No additional compensation shall be allowed therefore.

318 NOT USED.

ADD:

SECTION 319 - SITE FURNISHING INSTALLATION

319-1 GENERAL.

Contractor shall deliver, store and handle all furnishing materials to prevent damage. Contractor shall install all factory-fabricated site furnishings in conformance manufacturer's specifications, instructions and recommendations. Contractor shall provide the owner with one copy of complete manufacturers installation instructions and maintenance kit.

All components shall be firmly and permanently affixed to concrete surfaces and/or footings to the satisfaction of the Resident Engineer. Tamper-resistant connectors and/ or epoxies shall be used to prevent theft.

Site furnishings shall be installed accurately in the correct orientation, location and relationship with other improvements shown on the plans. For surface mount and/or coil rod application, epoxy shall be placed between site furnishing and mounting surface. Epoxy shall be placed in marked out location prior to site furnishing being placed on top. No excess epoxy shall be visible (emerging) from the joint. All excess shall be cleaned from adjacent surface with no darkening and/ or staining of finished surfaces.

Contractor shall perform a site walk with the Resident Engineer and Park Inspection Team to determine final location and orientation of all site furniture.

Contractor shall perform cleaning during installation of the work and upon completion of the work. Contractor shall remove from site all excess materials, debris, and equipment. Contractor shall repair damage resulting from installation work. Contractor shall protect site furnishings from damage throughout construction work.

See construction plans and details for location and layout. See Section 219 – Site Furnishings Materials, of these Special Provisions for model numbers of furnishings.

Apply anti-graffiti coating **per Section 210-1.1.1.**

319-1.1 Measurement and Payment.

Payment for Site Furnishings shall be included in the lump sum Bid Item for "Construction of Park Improvements" and shall include full compensation for furnishing: all metal fasteners with pant and/or protective coating, expansion shields, adhesives, epoxy, labor, material, equipment, tools and incidentals required to complete the work specified and no additional compensation will be made therefore.

319-1.2 Additional Installation Provisions.

319-1.2.1 Trash Receptacle Installation.

When trash receptacle has maintenance door, Contractor shall verify maintenance door orientation with Resident Engineer prior to securing in place.

Install trash receptacles 6-inches minimum from edge of hardscape and 10-feet minimum from seating areas.

319-1.2.2 Tables.

All tables shall be installed so there is a 4-foot minimum clearance from the outside edge of seating surfaces to other furnishings, posts and/or other vertical objects and 1-foot from the edge of pavement.

Accessible Tables.

Accessible tables shall be located where finish floor surfaces have a maximum slope of 1.5%, in any direction.

319-1.2.3 Drinking Fountain Installation.

Contractor shall install drinking fountain after completion of final grading and coordinate concrete paving area with drinking fountains mounting plate. Examine sub-grades, finished surfaces, and installation conditions. Do not start drinking fountain work until unsatisfactory conditions are corrected. Remove loose material and debris from base surface before placing drinking fountain.

Locate and layout drinking fountain, boxes and sump. Then obtain Resident Engineer's acceptance of layout prior to installation.

Comply with all local plumbing codes. Installation shall be plum, secure and stable.

Locate and connect to potable water source including trenching and waterline. Check for leaks.

Sump installation shall include the excavation and placement of crush rock materials wrapped in filter fabric to the dimensions indicated on the plans. Layout of sump shall be provided with positive drainage away from the drinking fountain location.

319-1.2.4 Pet Waste Station Installation.

Dispenser units shall be mounted on a galvanized 12-gauge cold rolled 8' length x 2-inch SQ steel channel post meeting ASTM A446 Grade A. Galvanizing shall be per ASTM A525. Post shall have 7/16 inches diameter holes spaced 1-inch o.c. +/- 1/8 inch and shall have no more variation in straightness than 1/16" in 3'. Corner radii shall be 5/32".

Posts shall be embedment mounted plumb into a cast in 8" dia x 26" depth Cast in Place concrete footings. Top of post shall be 6' above finish surface. Allow concrete to cure.

Attach the "Modern Dog Kit" components to 2" SQ steel channel in accordance with manufacturers recommended mounting heights, fasteners shall be galvanized steel and vandal resistant.

319-1.2.5 Removable Bollards Installation.

Bollards shall be located where shown on the plans. Install bollards in accordance with detail SDS M-16. Install bollards plumb, accurately and in the correct orientation and relationship with the concrete paving as shown on the drawings.

Coordinate installation of bollards with Concrete Sidewalk Contractor and/or installers of adjacent materials. Protect bollards during construction of paving work by covering with plastic or other protection.

Perform cleaning during installation of the work and upon completion of the work. Remove from site all excess materials, debris, and equipment. Repair damage resulting from landscape furnishings work. Protect the bollards from damage throughout construction work.

319-2 PLAY AREA & FITNESS COMPONENTS INSTALLATION.

319-2.1 2-5, 5-12 Play Area and Fitness Equipment Installation. Explicit installation instructions shall be provided by the manufacturer, which shall include detailed, scaled plan view, elevations footing drawings and details, as well as written instructions to assure proper installation of the playground and fitness equipment, structure or modular unit.

Playground and Fitness equipment shall be installed by a manufacturer certified installer and be installed in accordance with the manufacturer's installation specifications. Installation crew leader must be Manufacturer-certified. Contractor shall contact a minimum of 48 hours in advance to have a CPSI certified County Inspector to inspect the play equipment and rubber surfacing prior to acceptance. Any non-conforming items shall be repaired or replaced before acceptance.

Install all factory-fabricated landscape furnishings per manufacturer's specifications and recommendations. All components shall be firmly and permanently affixed to concrete base or footings to the satisfaction of the Resident Engineer and in conformance with the manufacturer's instructions. Anchor bolts cast into the concrete shall reinforce all attachments. Tamper-resistant connectors shall be used to prevent theft.

See construction plans and details for location/layout and model numbers of play equipment and fitness equipment.

All equipment installations shall observe the manufacturer's recommended safety zones. Safety zones shall be completely contained in the resilient surfacing area.

Clean-up: the site shall be kept clean and free of tools, trash, debris and installation materials on a daily basis. Material may be stored on-site during installation with appropriate protective measures and approval by the Resident Engineer.

Close out: contractor shall provide the owner with one copy of complete manufacturers installation instructions and maintenance kit. Each manufacturer sends at least two sets of installation manuals with each order. Additional sets of installation instructions should be purchased from the manufacturer if originals are lost or damaged. It is the contractor's responsibility to secure the installation instructions from the installer.

319-2.2 Measurement and Payment. The 2-5-year-old play structure, 5-12-year-old play structure and fitness equipment shall be measured for payment by each structure complete and in place. Payment shall be included in the lump sum Bid Item for "Construction of Park Improvements" and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in providing each play structure unit, complete in place, as shown on the Plans and as specified in these Special Provisions and directed by the Resident Engineer.

319-3 RESILIENT RUBBER SURFACING INSTALLATION.

319-3.1 Delivery, Storage and Handling.

Materials and equipment shall be delivered and stored in accordance with the manufacturer's recommendations.

319-3.2 Site Preparation.

- a) **Finished Grade/Slope.** Verify that finished elevations of adjacent areas are as indicated on the site plans, that the appropriate sub-grade elevation has been established for the particular safety surface to be installed, and that the subsurface has been installed per, site or equipment plans while meeting accessibility and use zones requirements.
- b) **Sub base.** Tolerance of concrete sub base shall be within 1/8 inch (3.0 mm) in 10 feet (3050 mm). Verify that subgrade has been fully compacted to 95 percent or greater.
- c) **Curing of Concrete.** If poured in place surfacing is installed, verify that concrete Sub base has cured and that all concrete curing compounds and other deleterious substances that might adversely affect adhesion have been removed. Surface shall be clean and dry.
- d) **Drainage.** Verify that sub-surfacing drainage has been installed to provide positive drainage.

319-3.3 Installation.

- a) **Poured in Place Surfacing.** Components of the poured in place surfacing shall be mixed on site in a rotating tumbler to ensure components are thoroughly mixed and are in accordance with manufactures

recommendations. Installation of surfacing shall be seamless up to *2,000 square feet* per day and completely bonded to concrete or sub base. Material shall cover all foundations and fill around all elements penetrating the surface.

Poured in Place surfacing must be installed on a dry sub-surface, with no prospect of rain within the initial drying period, and within the recommended temperature range of the manufacturer. Installation in weather condition of extreme heat, cold (less than 55 degrees F), and/or high humidity may affect cure time, and the structural integrity of the final product.

Immediate surrounding sites must be reasonably free of dust conditions or this could affect the final surface look.

Sequencing and Scheduling: Poured in place surfacing shall be installed after all playground equipment, shade structures, signs and any other items that will be within the surfacing area.

- b) **Cushion Layer.** Whenever practical, cushion layer of surfacing material shall be installed in one continuous pour on the same day of up to 2,000 square feet. When a second pour is required, step the seam (see detail) and fully coat the step of the previous work with polyurethane binder to ensure 100 percent bond with new work. Apply adhesive in small quantities so that new cushion layer can be placed before the adhesive dries. If cushion layer sits more than 24 hours before start of wear layer then cushion layer shall be primed with a coat of polyurethane binder.
- c) **Wear Course.** Wear Course must be Thermal Plastic Vulcanized (TPV) granules. Wear surface shall be bonded to Cushion Layer. If necessary, additional primer will be used between the cushion layer and Wear Course. Apply adhesive to Cushion Layer in small quantities allowing the Wear Course to be applied before adhesive dries. Surface shall be hand troweled to a smooth, even finish. Except where the Wear Course is composed of differing color patterns, pour shall be continuous and seamless up to *2,000 square feet per day*. Where seams are required due to color change, size or adverse weather, a step configuration shall be constructed to maintain Wear Course integrity. The edge of initial pour shall be coated with adhesive and wearing surface mixture shall be immediately applied. Pads with multiple seams are encouraged to include a top coat of urethane before being placed into use. Butt joint seams are not acceptable except for repairs.
- d) **Perimeter.** When connecting to a concrete curb, border, or post the inside vertical edge shall be primed with adhesive. Cushion layer shall be tapered at a 45° angle as indicated on the details to allow the color wear surface material to be poured into the key where it joins the concrete edge. Color wear layer shall be flush with adjacent finish surface with a hand tooled edge to the radius indicated on the plans.

- e) **Thickness.** Construction methods, such as the use of measured screeds or guides shall be employed to ensure that full depth of specified surfacing material is installed. Surfacing system thickness throughout the playground equipment use zone shall be as required to meet the impact attenuation requirements specified herein. Contractor shall verify cushion layer to meet CPSC Guidelines and ASTM 1292 for fall heights for each piece of equipment.
- f) **Clean Up.** Manufacturer’s installers shall work to minimize excessive adhesive on adjacent surfaces or play equipment. Spills of excess adhesive shall be promptly cleaned.
- g) **Protection.** The safety surface shall be allowed to fully cure in accordance with Manufacturer’s instructions. The surface shall be protected by the Contractor from all traffic during the curing period of 48 hours or as instructed by the manufacturer.
- h) **Manufacturer’s Services.** For poured in place safety surfacing, a manufacturer’s representative who is experienced in the installation of playground safety surfacing shall be provided. The representative shall supervise the installation to ensure that the system meets the impact attenuation requirements as specified herein.

319-3.4 Warranty.

Poured in place surface shall maintain required impact attenuation characteristics and be guaranteed against defects in workmanship AND material for a limited seven (7) year period or as specified and agreed upon per alternate contract. Warranty will be specific to maintenance requirements and performance standards of completed product.

319-3.5 Independent Play Audit. The Contractor shall be responsible for providing an Independent Audit of the playground area, resilient surfacing and all play equipment. The audit shall be conducted by a third-party Certified Playground Safety Inspector in accordance with NPSI standards. The audit shall confirm compliance with the most current versions of accessibility and safety standards, including, but not limited to, the following: Americans with Disabilities Act (ADA), Consumer Product Safety Commission’s (CPSC) “Handbook for Public Playground Safety”, and the American Society for Testing and Materials (ASTM) “Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment for Public Use,” “Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment” and “Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.

The Contractor shall be responsible for correcting any items found not to be in compliance with the above standards as a result of the Audit at no charge to the City. The Contractor shall provide to the Resident Engineer, written certification, signed by the certified playground safety inspector stating that the playground area, surfacing, and play equipment is in compliance with all current applicable accessibility and safety standards. The letter shall include an itemized list corresponding to each audit item,

describing all corrections and the date each correction was completed. If applicable, the letter may state that any equipment in question is certified by International Playground Equipment Manufacturers Association (IPEMA). Provide manufacturer's proof of IPEMA certification.

The cost of the play audit shall be included in the cost of the play equipment, and no additional payment shall be made.

319-4 PREFABRICATED SHADE STRUCTURE INSTALLATION.

319-4.1 Installers Storage And Handling.

- A. Contractor shall protect building products after arrival at destination from weather, sunlight, and damage.
- B. Contractor shall store product elevated to allow air circulation and to not introduce mold, fungi decay or insects to the product.
- C. Contractor shall handle product with protective straps or padded forks if lifting with mechanical equipment.

319-4.2 Erection.

- A. **Installation.**

Install all components according to manufacturer's installation instructions and these specifications.
- B. **General Contractor.**

Interface with other work is to be coordinated by the Contractor.
- C. **Tolerances.**

Tolerances on steel structural members are set according to AISC construction practices, abided in the factory, and cannot be increased. No field slotting or opening of holes will be allowed. Contractor shall conform to the tolerances specified on the installation drawings for anchor bolt or column layout details.
- D. **OSHA Compliance:**

OSHA Compliance to Steel Erection Standard 29CFR 1926 Subpart R-Steel Erection.

319-4.3 Repair.

- A. Contractor shall contact manufacturer and Resident Engineer prior to making any field changes.

SECTION 402 – UTILITIES

402-2 PROTECTION. To the “WHITEBOOK”, item 2, ADD the following:

- g) Refer to **Appendix G - Advanced Metering Infrastructure (AMI) Device Protection** for more information on the protection of AMI devices.

402-6 COOPERATION. To the “GREENBOOK”, ADD the following:

- 1. Notify SDG&E at least 10 Working Days prior to excavating within 10 feet of SDG&E Underground High Voltage Transmission Power Lines (69 KV and higher).

SECTION 601 - TEMPORARY TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTENANCE WORK ZONES

601-3.5.1 General. To the “WHITEBOOK”, item 3, DELETE in its entirety and SUBSTITUTE with the following:

- 3. Temporary “No Parking” and “No Stopping” signs shall be installed 72 hours before enforcement. Temporary “No Parking” and “No Stopping” signs shall be installed and removed as specified in the Special Provisions. Signs shall indicate specific days, dates, and times of restrictions. If violations occur, call Police Dispatch 619-531-2000 to enforce the Tow-Away notice.

601-3.6 Channelizing Devices. To the “WHITEBOOK”, item 4, Barricades, ADD the following:

- h) You shall place “OPEN TRENCH” signs (C27(CA)) on Type 3 Barricade within the construction Work zone, ahead of any Work areas with open trenches that are greater than 3 inches in depth, in accordance with California MUTCD SECTION 6F.103 (CA). The barricades shall be placed in a continuous manner and shall prevent pedestrian, vehicular, and biker access to the open trench area.

SECTION 700 – MATERIALS

ADD:

700-10 GENERAL ELECTRICAL REQUIREMENTS.

700-10.1 Description. All electrical work shall be in conformance with the plans, and State, Federal and Local Electric Codes, SDG&E Standards and City of San Diego Park and Recreation Department Consultant’s Guide to Park Design and Development Design Manual, 2019. Work includes, but is not necessarily limited to, providing site power systems as follows:

- 1. Complete electrical primary & secondary conduit systems, including all pull and all meter pedestals, handholes, splice boxes, pads, and other associated components.
- 2. All conduit and feeder conductors for site work components.

3. All site area lighting, including service and conduit together with related controls and photocells.
4. All required trenching, soil removal/replacement, compaction and pavement repairs, to current City standards.
5. Payment of all permit fees, utility company installation charges, SDG&E service orders, engineering fees, relocation costs, and related charges, as applicable.

700-10.2 Schedule. The Contractor shall obtain information and instructions from other Contractors on the site and other trades and suppliers in ample time to schedule and coordinate the installation of items furnished by them under this section so that provisions for their work can be made without delaying the project.

700-10.3 Accuracy of Data. The electrical drawings are diagrammatic, but shall be followed as closely as actual construction and work in other sections will permit. All deviations from drawings required to conform to site conditions and to the work of others, shall be made as directed by City.

700-10.4 Submittals.

1. Materials List - Provide complete materials list of all proposed products, including catalog cuts of manufactured items.

700-10.5 Quality Assurance.

1. Manufacturer shall have the capability to produce the specified products to the delivery and quantity criteria of the project.
2. Staff - For fabrication and installation of work, use only personnel who are thoroughly trained and experienced in the skills required, and who are completely familiar with the manufacturers' recommended methods of installation as well as the requirements of this work.
3. Inspections - Contractor shall request from the Resident Engineer all inspections of work for review and approval during the installation of site electrical and lighting improvements.

700-10.6 Product Handling.

1. Protection - Use all means necessary to protect the materials of this section before, during, and after installation and to protect the work and materials, of all other trades.
2. Replacements - In the event of damage, immediately make all repairs and replacements necessary to the approval of the Engineer and at no additional cost to the City.

700-10.7 Covering of Unreviewed Work. No work shall be covered, or enclosed, without review, testing, and/or approval by City. Work enclosed or covered prior to review and

test shall be uncovered at Contractor's expense. After review, retest for approval and repair with material necessary to restore to original and proper condition.

700-11 ELECTRICAL COMPONENTS.

700-11.1 Conduit.

1. Rigid Non-metallic Conduit - Heavy-wall rigid non-metallic conduit, where permitted, shall be Carlon or equal, PVC Schedule 40 manufactured in accordance with NEMA TC-2, UL-651 and WC 1094A specifications.

Conduit shall be delivered to site in standard lengths with each length bearing the manufacturer's trademark or stamp and U.L. Labeled.

Conduit shall be minimum 1-inch or larger in diameter.

All conduits shall contain equipment grounding conductors.

700-11.2 Wire/Conductors.

1. All wire and cable shall be rated for 600 volts, be color-coded, shall bear the Underwriters' Label, and shall be brought to the job in unbroken packages.
2. Wire coding shall be in accordance with the provisions of Section 210-5 of the latest edition of the National Electric Code.
3. All conductors unless noted otherwise shall be copper, No. 12 AWG minimum size. All conductors shall be stranded. Insulation type, unless otherwise noted, shall be as follows:
4. Feeder conductors: Type THW, 75 Degrees C.
5. Fixture and branch circuit conductors: Type THHN/THWN: XHHW or RHH - minimum 90 degrees C, unless otherwise noted.
6. Acceptable Manufacturers: General Wire and Cable Corp., Okonite Wire and Cable Corporation, Southwire or approved substitute.
7. All branch circuit conductors shall be labeled with circuit numbers.
8. One neutral conductor for each phase conductor pulled.
9. For wire #10 AWG and smaller provide Buchanan connectors or approved substitute. For wire #8 AWG and larger provide T&B "Lock-Tite" connectors or approved equal.
10. All connections shall be taped with rubber tape 1-1/2 times the thickness of the conductor insulation, then covered with Scotch #33 tape, or approved equal.
11. Splices in underground distribution systems shall be made only in accessible locations such as handholes, with a compression connector on the conductor

and by insulating and waterproofing by the following methods suitable for continuous submersion in water. Provide cast-type splice insulation by means of molded casting process employing a thermosetting epoxy resin insulating material applied by a gravity-poured method or by a pressure-injected method. Provide component materials of the resin insulation in a packaged form ready for convenient mixing without removing from the package. Do not allow the cables to be moved until after the splicing material has completely set.

700-11.3 Pull/Splice Boxes (Below Grade). - All pull boxes shall be sized and constructed per serving utility requirements, using precast ring design for box. Provide cover lid as required for pedestrian or vehicular traffic condition, with bolted connections, and labeled with name of serving utility. All boxes shall be located 1" above grade in landscape areas and flush with pavement in paved or traffic areas.

700-11.4 Site Lighting. Lighting fixtures and poles shall be per the schedule on the drawings or approved equal as accepted by the City and shall include all accessories for a complete system. Provide #6 AWG connection from pole ground lug to reinforcing of concrete footing base. All pole mounted fixtures shall be 'full cut-off' per the ordinances as set forth by the City of San Diego.

700-11.5 Other Materials. All other required materials shall be new, of highest quality for applicable use, and per approval of local agency, servicing utility, and City of San Diego.

SECTION 800 – MATERIALS

800-1.1.1 General. To the "GREENBOOK", ADD the following:

Topsoil shall be class "C" amended to meet Class "A" Topsoil per section 800-1.1.2 of the Whitebook. Existing topsoil is to be collected, stockpiled and placed in all planting areas as indicated on the plans. All container planting areas shall have a minimum depth of topsoil as indicated in section 801-2.2.1 of the Whitebook.

800-1.1.2 Class "A" Topsoil. To the "WHITEBOOK", item 4, subsection "e", DELETE in its entirety and SUBSTITUTE with the following:

- e) The test results shall provide the following information:
 - i. Date of Testing
 - ii. Project Name
 - iii. The Contractor's Name
 - iv. Source of Material and Supplier's Name
 - v. Estimate of Quantity Needed in Cubic Yards
 - vi. Soil Gradation
 - vii. Fertility

- viii. Heavy Metals
- ix. Soil Permeability in Inches per Hour
- x. Toxic Elements
- xi. Chloride Content
- xii. pH
- xiii. EcE (electrical conductivity)
- xiv. SAR (Sodium Absorption Ratio)
- xv. Organic Content by Dry Weight
- xvi. Carbon : Nitrogen Ratio
- xvii. Water-soluble Nutrient Levels
- xviii. Recommendations for adding amendments, chemical corrections, or both.

To the "WHITEBOOK", item 5, DELETE in its entirety and SUBSTITUTE with the following:

5. The topsoil shall conform to the following agricultural suitability requirements:

pH	6.0 – 7.5
ECe (electrical conductivity)	0.0 – 3.0
SAR (Sodium Absorption Ratio)	0.0 – 5.0
Chloride Content	Less than 150 ppm
Boron Content	Less than 1 ppm
Organic Content	3% to 6% by dry weight
Carbon : Nitrogen Ratio	20:1 maximum
Sandy Loam Gradation Limit*	Gravel over 2mm: Less than 10% by weight Sand: 75% to 85% Sand finer than 100 mesh (0.15 mm): Less than 15% Sand finer that 60 mesh (0.25 mm): Less than 40%

	Sand larger than 32 mesh (0.5 mm): Minimum 15% Silt: 20% maximum Clay: 15% maximum
Permeability Rate**	2 inches to 5 inches per hour at 80% compaction

* Per USDA Classification Scheme.

** Tested in accordance with USDA Handbook Number 60, method 34b or other approved method.

800-1.2.2 Manure. To the “GREENBOOK” and “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

Manure shall not be used.

800-1.2.4 Organic Soil Amendment. To the “GREENBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

Organic Soil Amendment shall be Type 4, compost as follows:

Type 4 organic soil amendment (compost) shall be derived from Green Material (yard waste and/or food waste) that is composted in accordance with California Code of Regulations, Title 14, Chapter 3 Article 7, 17868.3 (15 Day Process to Further Reduce Pathogens and kill weed and other seeds). Incorporated into the soil, compost improves soil texture; increases both nutrient and water holding capacity; and reduces the need for commercial fertilizer. Where applicable, Organic Soil Amendment can qualify as a component of LEED certification.

Type 4 organic soil amendment shall come from a compost facility that tests its compost on a quarterly basis and meets the requirements listed in Table 800-1.2.4 (B). You shall provide a copy of the most recent quarterly test results and a current representative sample of the compost to be used on the project to the Resident Engineer prior to approval and the compost being used.

The City of San Diego’s Miramar Greenery produces Type 4 organic soil amendment (compost) and complies with the U.S. Composting Council’s Seal of Testing Assurance Program. The Miramar Greenery is located within the City’s Miramar Landfill at State Hwy. 52 and Convoy St. in San Diego.

<http://www.sandiego.gov/environmental-services/miramar/greenery/>

Table 800-1.2.4 (B)

Test Criteria	Acceptable Range	Unit of Measure	TMCC Test Method
pH	6.0 – 7.5		04.11-A 1:5 Slurry pH

Test Criteria	Acceptable Range	Unit of Measure	TMCC Test Method
Soluble salts	0 - 10	dS/m (mmhos/cm)	04.10-A 1:5 Slurry Method
Organic Matter	30 - 75%	% dry weight basis	05.07-A Loss-on-ignition Organic Matter Method (LOI)
Stability	≤ 8	mg CO ₂ /g OM/day	05.08-B carbon Dioxide Evolution Rate
Maturity	> 80% emergence	average % of control	05.05-A Germination and vigor
Pathogens			
Fecal coliform	Pass	Pass/Fail per U.S. EPA Class A standard, 40CFR 503.32(a)	07.01-B Fecal coliforms
Salmonella	Pass	Pass/Fail per U.S. EPA Class A standard, 40CFR 503.32(a)	07.02 Salmonella
Heavy Metal	Pass	Pass/Fail per U.S. EPA Class A standard, 40CFR 503.13(a) Tables 1 and 3.	04.06-Heavy Metals standards, and Hazardous Elements.
Particle Size	≥ 90%	% dry weight passing through 11mm	02.02-B Sample Sieving for Aggregate Size Classification

800-1.2.5 Mulch. To the “WHITEBOOK”, Item 1, ADD the following:

Mulch shall be Type 7 and shall be free of weeds, leaves, non-woody and deleterious material. Average dimensions shall be 1" to 3" in length, 1/2" in thickness, and a natural dark brown color. Submit two (2) samples for approval by the Resident Engineer prior to installation.

800-1.2.6 Inorganic Soil Amendments. To the "WHITEBOOK", ADD the following:

3. Soil sulfur shall be 99.5% elemental. Sizing on stacked screen shall be approximately: 8 mesh 4.3%; 20 mesh 7.8%; 50 mesh 46.9%; 100 mesh 39.3%; 200 mesh 1.7%.
4. Soil conditioner shall be granular, tri-c humate plus, a blend of humate and gypsum or approved equal, and shall contain 25% humic acids. It shall be free flowing, suitable for application with approved equipment and shall contain the minimum available percentages of 7% calcium and 5% sulphur.

ADD:

800-1.2.7 Herbicides and Pesticides.

Herbicides and pesticides shall be used in their appropriate applications with strict adherence to manufacturers' specifications and instructions. Herbicides and pesticides shall be applied by licensed applicators. The Contractor shall obtain approval for any and all pesticide and herbicide use in writing from the Resident Engineer.

Pre-emergent herbicide for shrub and groundcover areas (planted from flats) shall be Treflan, Surflan, Eptan, or approved equivalent.

Post-emergent herbicide for all areas shall be Round Up, Diquat, Montar, or approved equivalent, except for areas where it may contact standing or running water.

Post-emergent herbicide for all areas where herbicide may come in contact with standing or moving water shall be Aquamaster, Rodeo, or approved equal specifically approved for use near water bodies. These herbicides are approved for use within the riparian areas by the City and County of San Diego because it has been determined to be non-toxic to aquatic organisms. Other herbicides shall be approved by the City and County of San Diego prior to use on only the most noxious weeds, and only under the direct supervision of the Resident Engineer.

800-1.4.1 General. To the "WHITEBOOK", ADD the following:

8. Contractor shall notify the Resident Engineer a minimum of 48 hours before each plant delivery so the Resident Engineer can schedule a review.
9. Availability: Within 2 weeks of the start of work, the Contractor shall place orders for all plant material in sufficient time to reserve or grow the plants for the project. No substitutions will be allowed. If plants are not available, the Contractor shall have the specified species contract grown by a reputable plant nursery. Provide nursery name and resume for review and approval prior to contract growing.
10. Quality and Size: Plants shall be in accordance with the California State Department of Agriculture Regulations for Nursery Inspections of Rules and Grading. Nursery tags must be submitted to the Resident Engineer. Sizes shall conform to the dimensions indicated on the planting plan.

11. Quantities: Plant quantities indicated on the plans are for Contractor's convenience only. Quantities of all plant materials shall be furnished as needed to complete work as shown on the Plans.
12. The Resident Engineer is the sole judge as to acceptability of each plant. Vigorous, healthy, well-proportioned plants are the intent of this specification. Plants which are even moderately "overgrown," or are showing signs of decline or lack of vigor are subject to rejection. The size of the plants will correspond with that normally expected for species and variety of commercially available nursery stock, or as specified in the special conditions or plans. Plants larger in size than specified may be used with the approval of the Resident Engineer, but the use of larger plants will make no change in contract price. If the use of larger plants is approved, the ball of earth and spread of roots for each plant shall be increased proportionately.
13. Rejection or Substitution: The Resident Engineer reserves the right to reject any plant material found to be defective or not in conformance with plans and specifications. Plants shall be subject to inspection and approval or rejection at the project site at any time before or during progress of work, for size, variety, condition, latent defects, and injuries. All plants not conforming to the requirements herein specified shall be considered defective, and such plants, whether in place and installed or not, shall be marked as rejected and immediately removed from the site and replaced with new plants by the Contractor at his expense. Rejected plant material shall be replaced within one week of written notice, unless otherwise approved by the Resident Engineer.

Substitutions will not be permitted except if proof is submitted that any plant specified is not obtainable, then a proposal will be considered for use of the nearest equivalent size or variety and cost. All substitutions are subject to Resident Engineer's written approval.
14. Right to Changes: The Resident Engineer reserves the right to change the species, variety, and/or sizes of plant material to be furnished, provided that the cost of such plant changes do not exceed the cost of plants in the original bid, and with the provision that the Contractor shall be notified, in writing, at least thirty (30) days before the planting operation has commenced.

800-1.4.2 Trees. To the "WHITEBOOK," ADD the following:

4. All trees (24" box, 36" box, and 48" box) shall:
 - a) Be of the specified type and size as indicated on the Plans, selected from high quality, well-shaped and proportioned Southern California-grown nursery container stock. Field grown stock grown in climatic regions which are different (as determined by the Resident Engineer) to those conditions found at the project site, shall have been acclimated to a climate similar to their intended locations prior to delivery and shall be accompanied by letter and/or certificate from the

nursery that the plant materials are suitable for said locations or they will not be accepted.

- b) Have grown in containers for sufficient time to permit full rooting within the container to bind the soil but not so long as to create a root bound condition. No container plants that have cracked or broken balls of earth, when taken from the container, shall be planted. No plants with damaged roots, broken root balls, or root bound, when taken from the container shall be planted.
- c) Have a main leader branch and not a co-dominant branching structure, unless the tree is intended to be multi-trunk.
- d) Be free of weeds, native grasses, Bermuda grass, and Kikuyu grass.

800-1.4.3 Shrubs. To the "GREENBOOK," ADD the following:

Field grown stock grown in climatic regions which are different (as determined by the Resident Engineer) to those conditions found at the project site, shall have been acclimated to a climate similar to their intended locations prior to delivery and shall be accompanied by letter and/or certificate from the nursery that the plant materials are suitable for said locations or they will not be accepted.

Contractor shall assure that shrubs are grown in containers for sufficient time to permit full rooting within the container to bind the soil but not so long as to create a root bound condition. No container plants that have cracked or broken balls of earth, when taken from the container, shall be planted. No plants with damaged roots, broken root balls, or root bound, when taken from the container shall be planted.

Containers for shrubs shall be free of weeds, native grasses, Bermuda grass, and Kikuyu grass.

800-1.5.3 Tree Stakes. To the "WHITEBOOK," ADD the following:

- 3. Tree stakes shall be two (2) inch diameter lodge pole stakes, pointed on one end. For trees with container sized greater than 36" box shall utilize three (3) inch diameter lode pole stakes, pointed on end with a minimum length of 10'-0".

800-1.5.4 Tree Ties. To the "WHITEBOOK," ADD the following:

- 4. Ties shall be made of minimum 1-inch width material and shall be of suitable length to wrap the trunk caliper and prevent rubbing when installed in a 'figure 8' method around stake and tree.

ADD:

800-1.7 Perforated Pipe.

Perforated pipe for tree drains: Shall be 4" Polyvinyl chloride SDR35 perforated pipe. Perforated pipe shall meet ASTM F-758 and AASHTO M-278. Pipe shall be supplied with a spun bonded filter sleeve to protect pipe from soil intrusion.

800-2.1.5 Copper Pipe. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

Copper pipe shall be Type "L" in accordance with ASTM B 88; solder: 50/50 lead and tin.

Type "K" copper pipe shall be used to extend the existing water main at the meter to the new reduced pressure principle backflow assembly.

800-2.2.7 Valve Boxes. To the "WHITEBOOK", ADD the following:

4. Valve boxes shall be sized accordingly to allow wires in pull boxes to be loose and maintain a three-inch (3") clearance from the lid.

800-2.2.8 Master Control Valve. To the "WHITEBOOK", ADD the following:

3. Master valve conductors shall be compliant with Section 800-3.2.2. Master valve conductor shall be installed below grade adjacent to flow sensor data cable conduit.

800-2.2.15 Backflow Preventer Enclosure. To the "WHITEBOOK", Item 1, ADD the following:

The backflow preventer enclosure shall conform to the following specifications:

Product: Strong Box - Stainless Steel Smooth Touch Backflow Enclosure

Model#: SBBC-30SS or approved equal

Manufacturer: V.I.T. Products Inc, or approved equal.
(760) 735-2450
www.vitproducts.com

Dimensions: 31.5" (L) x 29.5" (H) x 17.75" (W)

Installation: In strict adherence to manufacturer's recommendations.

Model SBBC-30SS or approved equal Description

The Backflow cage enclosure shall be of a vandal resistant nature manufactured of formed stainless steel tubing and rod, coated with a performance polymer alloy coating. All locking and mounting hardware shall be manufactured entirely of stainless steel. The frame of the enclosure shall be constructed of 1-1/4" tubing as a minimum, including the drop-down door which inserts into the open end of the frame. The top, sides and end panels shall be constructed of rod forming a 1" x 2-1/2" rectangular pattern as a maximum opening. The vertical rods shall be a minimum of 3/16" thick and the horizontal rods shall be a minimum of 1/8". These rods shall be welded together forming grids. These grids shall be welded into the tube frames 1/2" welds not more than 4" apart. The enclosure shall be cleaned and coated with not less than 3 mils power coat.

Each enclosure shall have a mounting pad which shall be used as installation frame. Enclosure hardware on the mounting frame shall be stainless steel. Mounting frame shall be installed using 4 each; 3/8" "L" anchor bolts submerged in concrete a minimum of 2". The backflow cage enclosure shall remain bolted to the frame in open and closed

positions. Enclosure and door shall close with concealed locking tab with 7/16" hole to accept padlock.

800-2.4 Sprinkler Equipment. To the "WHITEBOOK", ADD the following:

3. All materials and equipment used in all irrigation work shall be new and without flaws or defects and of quality and performance as specified, unless otherwise specified on the plans.
4. Prior to installation of any irrigation work, the Contractor shall submit an irrigation materials submittal for review and approval by the Resident Engineer. The submittal shall include a list of all materials and equipment they propose to use. If the Contractor propose to use materials or equipment other than those listed as approved, they shall submit in writing to the Resident Engineer a request to deviate from the approved list. Samples and product data of the materials or equipment shall accompany the request to assist the evaluation of the proposal.

SECTION 801 - INSTALLATION

801-1 GENERAL. To the "WHITEBOOK", ADD the following:

5. All plants outside the limit of work shall be protected in place.
6. Do not operate equipment, which generates fumes or excessive heat, within 20' of the trees to remain. Fumes and heat can damage trees.
7. The grade around existing trees to remain shall remain as existing to avoid disturbance of roots and avoid burying the roots under additional soil.
8. When excavation must be carried out under or near the dripline of a tree identified to be protected in place, the construction of improvements shall minimally damage the root zone by root pruning as outlined in Section 801-7.3 "Root Pruning for Sidewalk Replacement". Depth of root pruning shall occur to the depth necessary to construction improvements. Exposed roots of trees shall be covered and shaded by moist burlap or canvas until backfill is placed.
9. Buried utilities and irrigation piping and equipment shall be located out of root zones wherever possible. In cases where utilities must cross root zones, tunnels shall be utilized in lieu of trenches. Tunneling within the rooting area of a tree to remain shall be done under the supervision of the Resident Engineer.
10. Trenching, excavation and soil disturbance within the drip line of vegetation to remain shall not be permitted except as specifically allowed by the Resident Engineer. It is the intent of the plans that the Contractor shall provide an alternate routing of irrigation, electrical and all trenching to avoid cutting through roots of existing vegetation to remain.

11. Upon completion of all work, remove tools, equipment, tree preservation materials and other measures from the site.
12. Repair all areas, structures and surfaces damaged and requiring repair resulting from tree preservation measures. Repair adjacent construction or surfaces soiled or damaged by tree preservation measures.
13. Payment for pruning of existing trees and vegetation to remain shall be included in the lump sum Bid Item for "Construction of Park Improvements" and no additional payment will be made.

801-2.2.1 General. To the "WHITEBOOK", Item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. Class "C" topsoil shall be scarified and cultivated to a finely divided condition to a depth of 12 inches minimum below finish grade.

ADD:

801-2.2.1.1 Weed Eradication.

Soil preparation and planting shall not be allowed until all weeds are removed from within the limits of planting areas as indicated on the plans.

The Contractor's labor shall possess demonstrated ability to identify the difference between desirable native species and invasive weeds.

Weed eradication for entire project site. After irrigation installation, but before planting installation, the Contractor shall irrigate the entire project site three (3) to four (4) times over seven (7) to ten (10) days to germinate existing weed seeds. Allow weed seeds to grow until they reach a maximum height of two to three inches (2" - 3"). A post-emergent herbicide shall then be applied per Section 800-1.2.7 "Herbicides and Pesticides". Avoid contact of herbicide with the existing plants to remain.

All herbicides used shall be compatible with use in the vicinity of water and shall be applied in accordance with the label specifications by personnel holding a valid pesticide and herbicide applicator's license. Herbicide use shall be approved by the Resident Engineer prior to application.

Pulled weeds and debris shall be transported and disposed of properly offsite immediately using approved methods to prevent any seed dispersal on the site.

The eradication of exotic plant species is required prior to any planting. All exotic vegetation within the planting areas shall be removed. Herbicide shall be applied to weedy vegetation (e.g., giant reed (*Arundo donax*), tamarisk (*Tamarix* sp.), pampas grass (*Cortaderia jubata*), tree tobacco (*Nicotina glauca*), yellow star-thistle (*Centaurea melitnesis*), cocklebur (*Xanthium* sp.), castor bean (*Ricinus communis*), annual beardgrass, and Bermuda grass (*Cynodon dactylon*), etc.) within the project area. All weedy species should be cleared approximately two weeks following herbicide application.

The Resident Engineer shall inspect the site prior to planting and during revegetation. The planting of hydroseed shall be conducted on a weed free site.

Manual weed eradication shall continue during planting and during the plant establishment period and maintenance period; no herbicides shall be used following the initial weed eradication unless authorized by the Resident Engineer. Weed seedlings and sprouts shall be removed before attaining 12-inches in height and/or before producing seed.

All areas where weed removal creates bare areas in excess of 25 square feet shall be reseeded.

Weed eradication for shrub and groundcover areas (planted from flats). Three (3) to four (4) days after these plants have been installed; the Contractor shall apply the pre-emergent herbicide per manufacturer's specifications and instructions.

801 2.2.2 Fertilizing and Conditioning Procedures. To the "WHITEBOOK", DELETE Items 1 and 2 in their entirety and SUBSTITUTE the following:

1. The planting areas shall be ripped to a depth of 15" prior to bringing the planting areas to finish grade. Where necessary to meet grades indicated on the plans, place additional Class A topsoil in planting areas. The planting area shall be brought to finish grade before spreading the soil amendment materials specified.
2. Soil amendments materials shall be uniformly spread at the prescribed rates as recommended in the soil test results outlined in section 800-1.1.2 "Class 'A' Topsoil" or as modified by the Resident Engineer based on the test results review. All hardscape shall be dry at time of application.

The following rates and materials are provided for bidding purposes only, actual rates and materials may vary.

The Contactor shall provide the following rates of soil conditioning and amendment materials.

- A) Soil amendments for all planting areas 3:1 or less in steepness (except hydroseeded areas):

Soil conditioner	4 cu. Yds/1,000 sq. Ft.
Gypsum	120 lbs/1,000 sq. Ft.
Iron sulfate	10 lbs/1,000 sq. Ft.
Soil Sulphur	10 lbs/1,000 sq. Ft.
- B) Post Planting Fertilizer Type:

Trees (per tree)	1/2 lbs/ 12-4-6
Shrubs, Vines (per 1000 sf)	6 lbs/ 12-4-6
Groundcover (per 1000 sf)	6 lbs/ 12-4-6

801-2.2.2 Fertilizing and Conditioning Procedures.To the "WHITEBOOK," Item 6, ADD the following:

Apply fertilizer with acceptable equipment and when plants/ planting areas are in dry condition, apply irrigation immediately after fertilizer application.

ADD the following:

8. Post Planting Fertilizer:

The Contractor shall apply Post-Planting Fertilizer sixty (60) days after planting and once again at the end of the post-construction maintenance period.

801-2.3 Finish Grading. To the "WHITEBOOK", Item 1, ADD the following:

Finish grade shall insure positive drainage from the site. Surface drainage shall be away from all building foundations. The Resident Engineer shall approve the final grades and elevations before planting operations may begin.

ADD

801-2.4 Measurement and Payment.

The payment for the Topsoil shall be included in the lump sum Bid Item for "Construction of Park Improvements". This shall include full compensation for furnishing all material, delivery, placement, fees, labor, equipment, water, tools and incidentals required to complete the work specified. No additional compensation will be made therefore.

801-4.1 General. To the "WHITEBOOK", ADD the following:

7. The Contractor shall be responsible for managing the site and performing planting, maintenance and corrective measures to the best advantage of the plant material to promote healthy growth, establishment and success of the plantings. This shall include providing for drainage, irrigation, repair of damaged features, correction of deleterious conditions, maintaining a proper soil moisture level, weeding, fertilization, protection, temporary measures to promote establishment and other reasonable maintenance and construction efforts needed to provide for the successful establishment of the plant materials during the entire contract period.

The Contractor shall not install planting as shown in the plans when it is obvious in the field that conditions exist which are detrimental to plant survival and growth. Such conditions shall be brought to the attention of the Resident Engineer. The successful establishment of the plantings during the entire contract period is the Contractor's responsibility.

Actual planting shall be performed during those periods when weather and soil conditions are suitable and in accordance with locally accepted horticultural practice, as approved by the Resident Engineer. No planting shall be done in any areas until it has been satisfactorily prepared in accordance

with these specifications. Soil moisture level prior to planting shall be no less than 75% of field capacity. The determination of adequate soil moisture for planting shall be the sole judgment of the Resident Engineer and his decision shall be final. The Contractor shall obtain approval from the Resident Engineer of planting pits before planting operations shall begin. If the soil moisture level is found to be insufficient for planting, all planting pits shall be filled with water and allowed to drain before starting planting operations. No more plants shall be distributed in the planting area on any day than can be planted and watered on that day. All plants shall be planted and watered as herein specified immediately after the removal of the containers. Containers shall not be cut prior to placing the plants in the planting area.

8. Percolation Test: Prior to installing landscaping, Contractor shall perform percolation tests in representative areas of the site selected and approved by the Resident Engineer to verify acceptable amended soils drainage for planting areas.

Contractor shall provide a minimum of four percolation tests.

Percolation Tests shall be performed as follows:

- a) Dig a pit 2' x 2' x 2' deep. Contractor shall employ a system of measurement to track infiltration rates in the units of inches per hour, such as a marked stake at the center of the pit. Contractor shall clearly mark planting pit and provide a safety barrier or cover for safety.
- b) Pits shall be filled with 18" of water and allowed to completely drain.
- c) Pits shall then be filled with 12" of water and allowed to drain. The second fill must drain at a minimum rate of 0.5 inches per hour, for four hours.

The contractor shall be responsible for tracking infiltration rates with means necessary to report accurate infiltration rate in the specified units per pit.

- d) Report to the Resident Engineer the length of time that the water takes to completely drain from each pit and the observed infiltration rate.

If water does not drain at the minimum desired infiltration rate, the Resident Engineer will confer with the Landscape Architect to make a determination whether additional drainage measures will be required, especially at tree plantings.

No plants shall be installed until percolation tests have been observed by the Resident Engineer and a determination made that no further drainage measures are required.

Planting shall not be performed if plant pits contain standing water, or if pits are over saturated to a condition which may result in an unhealthful condition

for the plant. It is the Contractor's responsibility to provide a suitable growing condition for the plant material and to maintain that condition throughout the entire contract period.

9. Upon arrival at the construction site, the City's Landscape Inspector will inspect the plants for any damage that may have occurred in transit. Plants that have been damaged in transit may be rejected at no cost to the City in accordance with Section 800-1.4.1 "General".

801-4.2 Protection and Storage. To the "WHITEBOOK", ADD the following:

2. The Contractor's on-site plant storage area shall be approved by the Resident Engineer prior to the delivery of any plant materials.
3. All plants to remain on-site shall be watered as necessary during the entire construction contract to provide for plant health and survival. Watering shall be done under the direction of the Resident Engineer.

801-4.6.1 Tree Staking. To the "WHITEBOOK", Item 1, ADD the following:

All 15-gallon, 24" box and 36" box size trees shall be double staked. Trees over 36" box shall utilize three (3) evenly spaced stakes installed to the same methods outlined in City of San Diego Standard Detail SDL-101. Refer to Section 800-1.5 "General" of these Special Provisions for approved staking materials.

Installed tree ties exhibiting inadequate length and/or tree support as determined by the Resident Engineer will not be accepted.

Payment for tree staking shall be included in the Contract Price paid for trees and no separate payment will be allowed therefore.

ADD:

801-4.10 Mulch.

Install a 3" minimum depth layer of bark mulch in all tree, shrub, and groundcover planting areas unless otherwise indicated on the plans. Mulch shall be installed with a uniform depth. Taper the mulch to within 3" clear of the trunk of the plant. Mulch shall not be installed in planting areas designated as turf, synthetic turf, decomposed granite, cobble, and/ or rock mulch.

Bark Mulch shall be measured by the square foot. The contract unit price paid for mulch shall be included in the lump sum Bid Item for project cost and shall include full compensation for furnishing all labor, materials, tools, equipment, all incidentals necessary to provide a complete installation, and for doing all the work involved in supplying and installing bark mulch, complete-in-place, as shown on the plans, as specified in these Special Provisions and as directed by the Resident Engineer.

ADD:

801-4.11 Impermeable Liner Installation.

- A. The number of panels to be deployed in any day will be limited to the number of panels which can be seamed that day. The geomembrane will be placed over the prepared surface in such a manner as to assure minimum handling.

- B. Based on the approved geomembrane vertical panel installation diagram and material certifications, the individual panels will be numbered and seams will be identified by using the panel numbers that create the seam. The PVC panels shall be installed in a manner that minimizes seams.
- C. During installation, and any other period of exposure of geomembrane, pedestrian and equipment activity over the geomembrane shall be kept to a minimum, and restricted to only that which is necessary for geomembrane construction.
- D. Smoking is not permitted on the geomembrane.
- E. Construction workers shall take precautions not to damage the geomembrane surface. Construction workers shall wear smooth-soled footwear, and exercise care not to drag tools across the geomembrane surface. All large tools are to have smooth base plates or shoes. Construction staff shall be informed of the restricted access to areas of geomembrane placement by use of barriers and signs posted as necessary.
- F. The Contractor shall perform all activities of geomembrane construction in such a way as to avoid damage to the geomembrane. Any damage caused to the geomembrane by the Contractor shall be repaired or the material replaced at the expense of the Contractor.
- G. No tracked or wheeled vehicles shall be permitted on the geomembrane prior to placement of adequate soil cover, as determined by the Resident Engineer.
- H. The Contractor shall complete his work in a manner that will prevent water from getting under the partially installed geomembrane. This could include, but is not limited to, installing sandbags along the leading edges. Should excessive moisture become trapped below the geomembrane.
- I. Seams shall be welded throughout the entire length of the panels during initial panel seaming.
- J. Sandbags or other approved ballast shall be used to prevent bridging or material movement in areas such as toe of slope or near sumps. Ballast shall not be used to force the geomembrane into contact with the subgrade.
- K. Special care shall be taken to prevent tensile stress in the geomembrane and geomembrane seams in all corners and grade changes.
- L. The Contractor shall exercise his best judgment and care to provide sufficient slack in the geomembrane.
- M. The geomembrane shall not be installed when ambient or sheet temperatures are below 40° F, when the sheet temperature exceeds 140° F, or when the air temperature is above 120° F unless the Contractor demonstrates, to the

satisfaction of the Resident Engineer, that procedures can be implemented which will result in the proper installation and seaming of the geomembrane.

- N. Adjacent geomembrane panels shall be allowed to reach essentially equivalent temperatures prior to seaming to avoid development of fishmouths.
- O. If fishmouths are created at the seam overlaps, they shall be cut to achieve a flat overlap.
- P. Geomembrane covering operations shall be performed in a manner that does not damage the geomembrane lining system. Geomembrane covering operations shall be performed only in the presence of a Construction Observer such that the condition and cleanliness of the geomembrane is observed at the time the material is covered, and any effects of the covering operation on the geomembrane lining system can be observed.

801-4.11.1 Seaming Methods.

- A. A six - inch wide overlap must be cleaned of all dust, dirt or foreign debris no more than 30 minutes prior to welding. Only clean, soft rags will be used for cleaning. If mud has adhered to the sheet surface overlap area, it will be removed with clean water and allowed to dry prior to seaming.
- B. During the cleaning operation, the sheet will be inspected for defective areas which must be removed and/or repaired prior to seaming. The seaming operation requires a solid, smooth subsurface. Subsurface voids, hard nodules, rocks, soft areas or unsuitable conditions will be removed or repaired prior to seaming during subgrade preparation.
- C. Seaming cannot be conducted in the presence of standing water. Wet surfaces must be allowed to dry. A slip sheet or seaming board may be used to lift the geomembrane above damp surfaces. If wind conditions contaminate the seaming area or displace the geomembrane sheets, temporary ballast and additional cleaning procedures will be required.
- D. The geomembrane panels shall be joined by Chemical Fusion Welding. All field-fuse welded seams will be a minimum of 6 inches wide. A sufficient amount of chemical fusion agent will be applied that, upon compressing the seam surfaces together, a thin excess of chemical fusion agent will be forced out. A high durometer rubber, nylon or steel roller will be used to compress the seam surfaces together until a bond is formed. Roller action will be at a parallel direction to the seam's edge so that excessive amounts of chemical fusion agent will be purged from between the sheets. Trapped chemicals should be rolled out of the seaming area. Care will be exerted in applying the chemical fusion agent. A continuous wet layer of chemical fusion agent is necessary to prevent a leak at the tie - in point between the last chemical fusion agent application and the next. If the chemical fusion agent, which is

initially shiny when applied, takes on a dull filmy appearance, the interfaces may require faster closing together or the ambient temperature is too high to continue seaming. The installer will monitor this condition at sheet temperatures over 105°F. At the completion of seaming, all rags, chemical containers, etc., will be properly removed from the geomembrane.

801-4.11.2 Repairs.

- A. All geomembrane panels and seams shall be examined by the Resident Engineer for defects, holes, blisters, undispersed raw materials, and any sign of contamination by foreign matter. The geomembrane surface shall be clean at the time of examination. Each suspect location shall be repaired and all repairs shall be non-destructively tested.
- B. Damaged geomembrane shall be removed and replaced with acceptable geomembrane if damage cannot be repaired to the satisfaction of the Resident Engineer.
- C. Any portion of the geomembrane, or any portion of a seam exhibiting a flaw or failing a destructive or non-destructive test, shall be repaired as follows: 1. Geomembrane patches shall be used for holes, tears, and contamination by foreign matter. Patches shall be constructed of the same geomembrane, and will be joined to the panel using adhesive or chemical fusion welding where possible.
- D. Geomembrane patches or caps shall extend at least 6 inches beyond the edge of the defect or failed seam area. All corners of the patch shall be rounded.
- E. Geomembrane caps shall be used to repair failed seams that are left in-place. Seams that fail destructive or non-destructive testing may also be removed and replaced if determined necessary by the Resident Engineer.

801-5.1 General. To the "GREENBOOK", ADD the following:

Contractor shall check and verify the water pressure at point of connection (POC) prior to beginning of work. Notify Resident Engineer of any discrepancy between pressure indicated on plans and actual water pressure.

Contractor shall check and verify all site conditions, utilities, and services prior to trenching. Verify point of connection location prior to beginning of work.

Plans are diagrammatic and approximate. All piping, valve boxes, backflow preventers, etc., shall be located in planting areas if possible. No irrigation equipment except pipe crossings and electrical crossings shall be located in or under sidewalks and streets except where street crossings or trench rerouting is required to protect existing trees.

All irrigation equipment shall be installed, flushed out, pressure tested, and the coverage test approved prior to plant installation.

801-5.3.1 General. To the "WHITEBOOK", ADD the following:

Trenches through paved areas shall be resurfaced in accordance with Section 306-13 "Trench Resurfacing".

Concrete thrust blocks, minimum 1 cu. ft. with sufficient bearing area to resist the thrust of water, shall be constructed against undisturbed earth at all changes of direction exceeding 45 degrees for pressure mainline pipe larger than 2", thrust blocks shall be installed at gate valves, tees, elbows, crosses, and ends of pipe runs; or wherever the Resident Engineer deems one to be necessary. Thrust blocks are to be installed as per Standard Drawings SDW-151, sized for 4" pipe.

Contractor shall install sleeves where any waterline or controller wire passes under paving. Sleeves shall extend 12" beyond each side of the improvement. The letter "E" for electrical or the letter "W" for water shall be stamped or chiseled on the improvement directly above the sleeve. The sleeves shall be a minimum 18" deep for electrical and the sleeves 21" below grade for water. Sleeves for water mainlines within vehicular paving shall be placed at 36" depth. Sleeves shall be Schedule 40 PVC, typical. The diameter of the sleeve shall be two (2) pipe sizes larger than the diameter of waterline within.

All pressure pipe shall have a continuous blue colored trench marker metallic tape placed nine inches (9") below finished grade directly above the buried pipe. (See Section 800-3.2.2.3 "Trench Marker Tape" for material.)

Avoid installing pipe through proposed tree locations to avoid conflict with root ball.

801-5.4 Installation of Valves, Valve Boxes, And Special Equipment. To the "WHITEBOOK", Item 6, ADD the following:

The Contractor shall rework the locking toggles of the concrete valve boxes by replacing the existing clevis pin and sheet metal clip with a cadmium-plated machine bolt and self-locking nut. Apply oil to lubricate and to prevent rust. The Contractor shall paint the identification number of the valve and the controller clock on the cover of the valve box. Valve boxes shall be sized accordingly to allow wires in pull boxes to be loose and maintain a three-inch (3") clearance from the lid. All wires in pull boxes shall be loose and shall not come within three inches 75 mm (3 inches) from lid. Boxes shall be sized accordingly to accommodate this requirement.

To the "WHITEBOOK", Item 7, ADD the following:

Backflow preventers shall be installed as specified on the contract documents.

801-5.5.1 General. To the "WHITEBOOK", Item 1, ADD the following:

Plans are diagrammatic and approximate. Precise location of heads / bubblers shall be field adjusted to meet minor variations in the plan.

801-5.7.1 **General.** To the "GREENBOOK", ADD the following:

Flush all pipes clean prior to installing sprinkler heads. Do not allow water from irrigation flushing to enter plant pits where water would result in over-saturation of soil creating an unhealthful condition for plant materials.

SECTION 1001 – CONSTRUCTION BEST MANAGEMENT PRACTICES (BMPs)

1001-1 **GENERAL.** To the "WHITEBOOK", ADD the following:

7. Based on a preliminary assessment by the City, this Contract is subject to **WPCP**.
-

SUPPLEMENTARY SPECIAL PROVISIONS
APPENDICES

APPENDIX A
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

(Check one or both)

TO: RECORDER/COUNTY CLERK
P.O. Box 1750, MS A-33
1600 PACIFIC HWY, ROOM 260
SAN DIEGO, CA 92101-2422

FROM: CITY OF SAN DIEGO
PUBLIC WORKS DEPARTMENT
525 B STREET, SUITE 750, MS 908A
SAN DIEGO, CA 92101

OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121
SACRAMENTO, CA 95814

PROJECT/WBS No.: S-11103.02.06

PROJECT TITLE: Valencia Park Acquisition & Development Project

PROJECT LOCATION-SPECIFIC: The project is located at the southwest corner of La Paz Drive and San Bernardo Terrace within the Encanto- Southeastern San Diego community planning area (Council District 4).

PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: Design and construction of approximately 0.46 acres of unimproved property. Improvements will include amenities such as children's play area, shade structure with picnic tables, static exercise equipment, seating, walkways, landscaping, and security lighting.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

CONTACT PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego Public Works Department,
Contact: Juan Baligad; Ph: (619) 533-5473
525 B Street, Suite 750, San Diego, CA 92101

EXEMPT STATUS: (CHECK ONE)

- MINISTERIAL (SEC. 21080(b)(1); 15268);
- DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
- EMERGENCY PROJECT (SEC. 21080(b)(4); 15269 (b)(c))
- CATEGORICAL EXEMPTION: 15303- NEW CONSTRUCTION OR CONVERSION OF SMALL STRUCTURES, 15304- MINOR ALTERATIONS TO LAND
- STATUTORY EXEMPTIONS:

REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review which determined that the project meets the categorical exemption criteria set forth in CEQA State Guidelines, Section 15303 and 15305. Section 15303 which allows for the construction and location of limited numbers of new, small facilities, or structures, this is in line with the amenities proposed for construction in this project, Section 15304 which allows for minor public or private alterations in the condition of land, water, and/or vegetation, this is in line with the landscaping proposed in this project. Additionally, none of the exceptions described in CEQA Guidelines Section 15300.2 apply.

LEAD AGENCY CONTACT PERSON: CARRIE PURCELL

TELEPHONE: (619) 533-5473

IF FILED BY APPLICANT:

1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING.
2. HAS A NOTICE OF EXEMPTION BEEN FILED BY THE PUBLIC AGENCY APPROVING THE PROJECT?
 YES NO



CARRIE PURCELL, ASSISTANT DEPUTY DIRECTOR

4/10/17

DATE

CHECK ONE:

- SIGNED BY LEAD AGENCY
 SIGNED BY APPLICANT

DATE RECEIVED FOR FILING AT OPR:

APPENDIX B
FIRE HYDRANT METER PROGRAM

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 1 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

1. **PURPOSE**

- 1.1 To establish a Departmental policy and procedure for issuance, proper usage and charges for fire hydrant meters.

2. **AUTHORITY**

- 2.1 All authorities and references shall be current versions and revisions.
- 2.2 San Diego Municipal Code (NC) Chapter VI, Article 7, Sections 67.14 and 67.15
- 2.3 Code of Federal Regulations, Safe Drinking Water Act of 1986
- 2.4 California Code of Regulations, Titles 17 and 22
- 2.5 California State Penal Code, Section 498B.0
- 2.6 State of California Water Code, Section 110, 500-6, and 520-23
- 2.7 Water Department Director

Reference

- 2.8 State of California Guidance Manual for Cross Connection Programs
- 2.9 American Water Works Association Manual M-14, Recommended Practice for Backflow Prevention
- 2.10 American Water Works Association Standards for Water Meters
- 2.11 U.S.C. Foundation for Cross Connection Control and Hydraulic Research Manual

3. **DEFINITIONS**

- 3.1 **Fire Hydrant Meter:** A portable water meter which is connected to a fire hydrant for the purpose of temporary use. (These meters are sometimes referred to as Construction Meters.)

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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 2 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

- 3.2 **Temporary Water Use:** Water provided to the customer for no longer than twelve (12) months.
- 3.3 **Backflow Preventor:** A Reduced Pressure Principal Assembly connected to the outlet side of a Fire Hydrant Meter.

4. **POLICY**

- 4.1 The Water Department shall collect a deposit from every customer requiring a fire hydrant meter and appurtenances prior to providing the meter and appurtenances (see Section 7.1 regarding the Fees and Deposit Schedule). The deposit is refundable upon the termination of use and return of equipment and appurtenances in good working condition.
- 4.2 Fire hydrant meters will have a 2 ½" swivel connection between the meter and fire hydrant. The meter shall not be connected to the 4" port on the hydrant. All Fire Hydrant Meters issued shall have a Reduced Pressure Principle Assembly (RP) as part of the installation. Spanner wrenches are the only tool allowed to turn on water at the fire hydrant.
- 4.3 The use of private hydrant meters on City hydrants is prohibited, with exceptions as noted below. All private fire hydrant meters are to be phased out of the City of San Diego. All customers who wish to continue to use their own fire hydrant meters must adhere to the following conditions:
 - a. Meters shall meet all City specifications and American Water Works Association (AWWA) standards.
 - b. Customers currently using private fire hydrant meters in the City of San Diego water system will be allowed to continue using the meter under the following conditions:
 - 1. The customer must submit a current certificate of accuracy and calibration results for private meters and private backflows annually to the City of San Diego, Water Department, Meter Shop.

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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 3 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

2. The meter must be properly identifiable with a clearly labeled serial number on the body of the fire hydrant meter. The serial number shall be plainly stamped on the register lid and the main casing. Serial numbers shall be visible from the top of the meter casing and the numbers shall be stamped on the top of the inlet casing flange.
3. All meters shall be locked to the fire hydrant by the Water Department, Meter Section (see Section 4.7).
4. All meters shall be read by the Water Department, Meter Section (see Section 4.7).
5. All meters shall be relocated by the Water Department, Meter Section (see Section 4.7).
6. These meters shall be tested on the anniversary of the original test date and proof of testing will be submitted to the Water Department, Meter Shop, on a yearly basis. If not tested, the meter will not be allowed for use in the City of San Diego.
7. All private fire hydrant meters shall have backflow devices attached when installed.
8. The customer must maintain and repair their own private meters and private backflows.
9. The customer must provide current test and calibration results to the Water Department, Meter Shop after any repairs.
10. When private meters are damaged beyond repair, these private meters will be replaced by City owned fire hydrant meters.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 4 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

11. When a private meter malfunctions, the customer will be notified and the meter will be removed by the City and returned to the customer for repairs. Testing and calibration results shall be given to the City prior to any re-installation.
 12. The register shall be hermetically sealed straight reading and shall be readable from the inlet side. Registration shall be in hundred cubic feet.
 13. The outlet shall have a 2 ½ “National Standards Tested (NST) fire hydrant male coupling.
 14. Private fire hydrant meters shall not be transferable from one contracting company to another (i.e. if a company goes out of business or is bought out by another company).
- 4.4 All fire hydrant meters and appurtenances shall be installed, relocated and removed by the City of San Diego, Water Department. All City owned fire hydrant meters and appurtenances shall be maintained by the City of San Diego, Water Department, Meter Services.
- 4.5 If any fire hydrant meter is used in violation of this Department Instruction, the violation will be reported to the Code Compliance Section for investigation and appropriate action. Any customer using a fire hydrant meter in violation of the requirements set forth above is subject to fines or penalties pursuant to the Municipal Code, Section 67.15 and Section 67.37.
- 4.6 **Conditions and Processes for Issuance of a Fire Hydrant Meter**
- Process for Issuance
- a. Fire hydrant meters shall only be used for the following purposes:
 1. Temporary irrigation purposes not to exceed one year.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 5 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

2. Construction and maintenance related activities (see Tab 2).
 - b. No customer inside or outside the boundaries of the City of San Diego Water Department shall resell any portion of the water delivered through a fire hydrant by the City of San Diego Water Department.
 - c. The City of San Diego allows for the issuance of a temporary fire hydrant meter for a period not to exceed 12 months (365 days). An extension can only be granted in writing from the Water Department Director for up to 90 additional days. A written request for an extension by the consumer must be submitted at least 30 days prior to the 12 month period ending. No extension shall be granted to any customer with a delinquent account with the Water Department. No further extensions shall be granted.
 - d. Any customer requesting the issuance of a fire hydrant meter shall file an application with the Meter Section. The customer must complete a "Fire Hydrant Meter Application" (Tab 1) which includes the name of the company, the party responsible for payment, Social Security number and/or California ID, requested location of the meter (a detailed map signifying an exact location), local contact person, local phone number, a contractor's license (or a business license), description of specific water use, duration of use at the site and full name and address of the person responsible for payment.
 - e. At the time of the application the customer will pay their fees according to the schedule set forth in the Rate Book of Fees and Charges, located in the City Clerk's Office. All fees must be paid by check, money order or cashiers check, made payable to the City Treasurer. Cash will not be accepted.
 - f. No fire hydrant meters shall be furnished or relocated for any customer with a delinquent account with the Water Department.
 - g. After the fees have been paid and an account has been created, the

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 6 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

meter shall be installed within 48 hours (by the second business day). For an additional fee, at overtime rates, meters can be installed within 24 hours (within one business day).

4.7 Relocation of Existing Fire Hydrant Meters

- a. The customer shall call the Fire Hydrant Meter Hotline (herein referred to as “Hotline”), a minimum of 24 hours in advance, to request the relocation of a meter. A fee will be charged to the existing account, which must be current before a work order is generated for the meter’s relocation.
- b. The customer will supply in writing the address where the meter is to be relocated (map page, cross street, etc). The customer must update the original Fire Hydrant Meter Application with any changes as it applies to the new location.
- c. Fire hydrant meters shall be read on a monthly basis. While fire hydrant meters and backflow devices are in service, commodity, base fee and damage charges, if applicable, will be billed to the customer on a monthly basis. If the account becomes delinquent, the meter will be removed.

4.8 Disconnection of Fire Hydrant Meter

- a. After ten (10) months a “Notice of Discontinuation of Service” (Tab 3) will be issued to the site and the address of record to notify the customer of the date of discontinuance of service. An extension can only be granted in writing from the Water Department Director for up to 90 additional days (as stated in Section 4.6C) and a copy of the extension shall be forwarded to the Meter Shop Supervisor. If an extension has not been approved, the meter will be removed after twelve (12) months of use.
- b. Upon completion of the project the customer will notify the Meter Services office via the Hotline to request the removal of the fire hydrant meter and appurtenances. A work order will be generated

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
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for removal of the meter.

- c. Meter Section staff will remove the meter and backflow prevention assembly and return it to the Meter Shop. Once returned to the Meter Shop the meter and backflow will be tested for accuracy and functionality.
- d. Meter Section Staff will contact and notify Customer Services of the final read and any charges resulting from damages to the meter and backflow or its appurtenance. These charges will be added on the customer's final bill and will be sent to the address of record. Any customer who has an outstanding balance will not receive additional meters.
- e. Outstanding balances due may be deducted from deposits and any balances refunded to the customer. Any outstanding balances will be turned over to the City Treasurer for collection. Outstanding balances may also be transferred to any other existing accounts.

5. **EXCEPTIONS**

- 5.1 Any request for exceptions to this policy shall be presented, in writing, to the Customer Support Deputy Director, or his/her designee for consideration.

6. **MOBILE METER**

- 6.1 Mobile meters will be allowed on a case by case basis. All mobile meters will be protected by an approved backflow assembly and the minimum requirement will be a Reduced Pressure Principal Assembly. The two types of Mobile Meters are vehicle mounted and floating meters. Each style of meters has separate guidelines that shall be followed for the customer to retain service and are described below:

- a) **Vehicle Mounted Meters:** Customer applies for and receives a City owned Fire Hydrant Meter from the Meter Shop. The customer mounts the meter on the vehicle and brings it to the Meter Shop for

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 8 OF 10	EFFECTIVE DATE October 15, 2002
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inspection. After installation is approved by the Meter Shop the vehicle and meter shall be brought to the Meter Shop on a monthly basis for meter reading and on a quarterly basis for testing of the backflow assembly. Meters mounted at the owner's expense shall have the one year contract expiration waived and shall have meter or backflow changed if either fails.

b) **Floating Meters:** Floating Meters are meters that are not mounted to a vehicle. **(Note: All floating meters shall have an approved backflow assembly attached.)** The customer shall submit an application and a letter explaining the need for a floating meter to the Meter Shop. The Fire Hydrant Meter Administrator, after a thorough review of the needs of the customer, (i.e. number of jobsites per day, City contract work, lack of mounting area on work vehicle, etc.), may issue a floating meter. At the time of issue, it will be necessary for the customer to complete and sign the "Floating Fire Hydrant Meter Agreement" which states the following:

- 1) The meter will be brought to the Meter Shop at 2797 Caminito Chollas, San Diego on the third week of each month for the monthly read by Meter Shop personnel.
- 2) Every other month the meter will be read and the backflow will be tested. This date will be determined by the start date of the agreement.

If any of the conditions stated above are not met the Meter Shop has the right to cancel the contract for floating meter use and close the account associated with the meter. The Meter Shop will also exercise the right to refuse the issuance of another floating meter to the company in question.

Any Fire Hydrant Meter using reclaimed water shall not be allowed use again with any potable water supply. The customer shall incur the cost of replacing the meter and backflow device in this instance.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
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	SUPERSEDES DI 55.27	DATED April 21, 2000

7. **FEE AND DEPOSIT SCHEDULES**

7.1 **Fees and Deposit Schedules:** The fees and deposits, as listed in the Rate Book of Fees and Charges, on file with the Office of the City Clerk, are based on actual reimbursement of costs of services performed, equipment and materials. These deposits and fees will be amended, as needed, based on actual costs. Deposits, will be refunded at the end of the use of the fire hydrant meter, upon return of equipment in good working condition and all outstanding balances on account are paid. Deposits can also be used to cover outstanding balances.

All fees for equipment, installation, testing, relocation and other costs related to this program are subject to change without prior notification. The Mayor and Council will be notified of any future changes.

8. **UNAUTHORIZED USE OF WATER FROM A HYDRANT**

8.1 Use of water from any fire hydrant without a properly issued and installed fire hydrant meter is theft of City property. Customers who use water for unauthorized purposes or without a City of San Diego issued meter will be prosecuted.

8.2 If any unauthorized connection, disconnection or relocation of a fire hydrant meter, or other connection device is made by anyone other than authorized Water Department personnel, the person making the connection will be prosecuted for a violation of San Diego Municipal Code, Section 67.15. In the case of a second offense, the customer's fire hydrant meter shall be confiscated and/or the deposit will be forfeited.

8.3 Unauthorized water use shall be billed to the responsible party. Water use charges shall be based on meter readings, or estimates when meter readings are not available.

8.4 In case of unauthorized water use, the customer shall be billed for all applicable charges as if proper authorization for the water use had been obtained, including but not limited to bi-monthly service charges, installation charges and removal charges.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
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- 8.5 If damage occurs to Water Department property (i.e. fire hydrant meter, backflow, various appurtenances), the cost of repairs or replacements will be charged to the customer of record (applicant).

Water Department Director

- Tabs: 1. Fire Hydrant Meter Application
2. Construction & Maintenance Related Activities With No Return To Sewer
3. Notice of Discontinuation of Service

APPENDIX

Administering Division: Customer Support Division

Subject Index: Construction Meters
Fire Hydrant
Fire Hydrant Meter Program
Meters, Floating or Vehicle Mounted
Mobile Meter
Program, Fire Hydrant Meter

Distribution: DI Manual Holders



Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

Meter Information

Application Date	Requested Install Date:
------------------	-------------------------

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) Zip:	T.B.	G.B. (CITY USE)
Specific Use of Water:		
Any Return to Sewer or Storm Drain, if so, explain:		
Estimated Duration of Meter Use:		Check Box if Reclaimed Water

Company Information

Company Name:			
Mailing Address:			
City:	State:	Zip:	Phone: ()
*Business license#		*Contractor license#	
A Copy of the Contractor's license OR Business License is required at the time of meter issuance.			
Name and Title of Billing Agent: <small>(PERSON IN ACCOUNTS PAYABLE)</small>			Phone: ()
Site Contact Name and Title:			Phone: ()
Responsible Party Name:			Title:
Cal ID#			Phone: ()
Signature:		Date:	
<small>Guarantees Payment of all Charges Resulting from the use of this Meter. Insures that employees of this Organization understand the proper use of Fire Hydrant Meter</small>			

Fire Hydrant Meter Removal Request	Requested Removal Date:
Provide Current Meter Location if Different from Above:	
Signature:	Title: Date:
Phone: ()	Pager: ()

<input type="checkbox"/> City Meter	<input type="checkbox"/> Private Meter	
Contract Acct #:	Deposit Amount: \$ 936.00	Fees Amount: \$ 62.00
Meter Serial #	Meter Size: 05	Meter Make and Style: 6-7
Backflow #	Backflow Size:	Backflow Make and Style:
Name:	Signature:	Date:

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

Auto Detailing
Backfilling
Combination Cleaners (Vactors)
Compaction
Concrete Cutters
Construction Trailers
Cross Connection Testing
Dust Control
Flushing Water Mains
Hydro Blasting
Hydro Seeing
Irrigation (for establishing irrigation only; not continuing irrigation)
Mixing Concrete
Mobile Car Washing
Special Events
Street Sweeping
Water Tanks
Water Trucks
Window Washing

Note:

1. If there is any return to sewer or storm drain, then sewer and/or storm drain fees will be charges.

Date

Name of Responsible Party
Company Name and Address
Account Number: _____

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

The authorization for use of Fire Hydrant Meter # _____, located at *(Meter Location Address)* ends in 60 days and will be removed on or after *(Date Authorization Expires)*. Extension requests for an additional 90 days must be submitted in writing for consideration 30 days prior to the discontinuation date. If you require an extension, please contact the Water Department, or mail your request for an extension to:

City of San Diego
Water Department
Attention: Meter Services
2797 Caminito Chollas
San Diego, CA 92105-5097

Should you have any questions regarding this matter, please call the Fire Hydrant Hotline at (619) _____ - _____.

Sincerely,

Water Department

APPENDIX C

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

1. Soil amendment
2. Fiber mulch
3. PVC or PE pipe up to 16 inch diameter
4. Stabilizing emulsion
5. Lime
6. Preformed elastomeric joint seal
7. Plain and fabric reinforced elastomeric bearing pads
8. Steel reinforced elastomeric bearing pads
9. Waterstops (Special Condition)
10. Epoxy coated bar reinforcement
11. Plain and reinforcing steel
12. Structural steel
13. Structural timber and lumber
14. Treated timber and lumber
15. Lumber and timber
16. Aluminum pipe and aluminum pipe arch
17. Corrugated steel pipe and corrugated steel pipe arch
18. Structural metal plate pipe arches and pipe arches
19. Perforated steel pipe
20. Aluminum underdrain pipe
21. Aluminum or steel entrance tapers, pipe downdrains, reducers, coupling bands and slip joints
22. Metal target plates
23. Paint (traffic striping)
24. Conductors
25. Painting of electrical equipment
26. Electrical components
27. Engineering fabric
28. Portland Cement
29. PCC admixtures
30. Minor concrete, asphalt
31. Asphalt (oil)
32. Liquid asphalt emulsion
33. Epoxy

APPENDIX D

SAMPLE CITY INVOICE WITH CASH FLOW FORECAST

WBS #:	B18108
Date Submitted:	10/10/2018
NTP Date:	3/23/2018
Final Statement of WD Date:	5/23/2020
Contract #:	K-XX-XXXX-XXX-X
Contract Amount:	\$5,617,000

Construction Cash Flow Forecast

"Sewer and Water Group Job 965 (W)"

Year	January	February	March	April	May	June	July	August	September	October	November	December
2018				15,000	25,000	52,000	52,000	100,000	10,000	100,000	100,000	100,000
2019	10,000	10,000	85,000	58,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000	1,000,000
2020	100,000	100,000	100,000	1,000,000	1,000,000							
2021												
2022												
2023												
2024												
2025												

SAMPLE REFERENCE

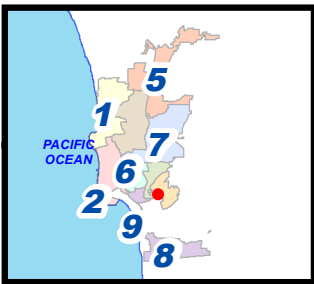
APPENDIX E
LOCATION MAP

LA PAZ MINI PARK

PROJECT MANAGER
Jennifer Scott
619-533-5414

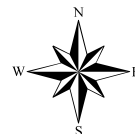
PROJECT ENGINEER
JAdra Alkuree
619-533-5237

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



Legend

 Project Location



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APPENDIX F
SAMPLE OF PUBLIC NOTICE



CONSTRUCTION NOTICE

PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
• Streets where trenching takes place will be resurfaced and curb ramps will be upgraded to facilitate access for persons with disabilities where required.
• This work is anticipated to be complete in your community by December 2016.

How your neighborhood may be impacted:

- Water service to some properties during construction will be provided by a two-inch highline pipe that will run along the curb. To report a highline leak call 619-515-3525.
• Temporary water service disruptions are planned. If planned disruptions impact your property, you will receive advance notice.
• Parking restrictions will exist because of the presence of construction equipment and materials.
• "No Parking" signs will be displayed 72 hours in advance of the work.
• Cars parked in violation of signs will be TOWED.

Hours and Days of Operation:

Monday through Friday X:XX AM to X:XX PM.

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX



CONSTRUCTION NOTICE

PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
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• Cars parked in violation of signs will be TOWED.

Hours and Days of Operation:

Monday through Friday X:XX AM to X:XX PM.

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX

APPENDIX G

ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION

Protecting AMI Devices in Meter Boxes and on Street Lights

The Public Utilities Department (PUD) has begun the installation of the Advanced Metering Infrastructure (AMI) technology as a new tool to enhance water meter reading accuracy and efficiency, customer service and billing, and to be used by individual accounts to better manage the efficient use of water. **All AMI devices shall be protected per Section 402-2, "Protection", of the 2018 Whitebook.**

AMI technology allows water meters to be read electronically rather than through direct visual inspection by PUD field staff. This will assist PUD staff and customers in managing unusual consumption patterns which could indicate leaks or meter tampering on a customer's property.

Three of the main components of an AMI system are the:

- A. Endpoints, see Photo 1:

Photo 1



B. AMI Antenna attached to Endpoint (antenna not always required), see Photo 2:



Network Devices, see Photo 3:

Photo 3



AMI endpoints transmit meter information to the AMI system and will soon be on the vast majority of meters in San Diego. These AMI devices provide interval consumption data to the PUD's Customer Support Division. If these devices are damaged or communication is interrupted, this Division will be alerted of the situation. The endpoints are installed in water meter boxes, coffins, and vaults adjacent to the meter. A separate flat round antenna may also be installed through the meter box lid. This antenna is connected to the endpoint via cable. The following proper installation shall be implemented when removing the lid to avoid damaging the antenna, cable, and/or endpoint. Photo 4 below demonstrates a diagram of the connection:

Photo 4



The AMI device ERT/Endpoint/Transmitter shall be positioned and installed as discussed in this Appendix. If the ERT/Endpoint/Transmitter is disturbed, it shall be re-installed and returned to its original installation with the end points pointed upwards as shown below in Photo 5.

The PUD's code compliance staff will issue citations and invoices to you for any damaged AMI devices that are not re-installed as discussed in the Contract Document

Photo 5 below shows a typical installation of an AMI endpoint on a water meter.

Photo 5

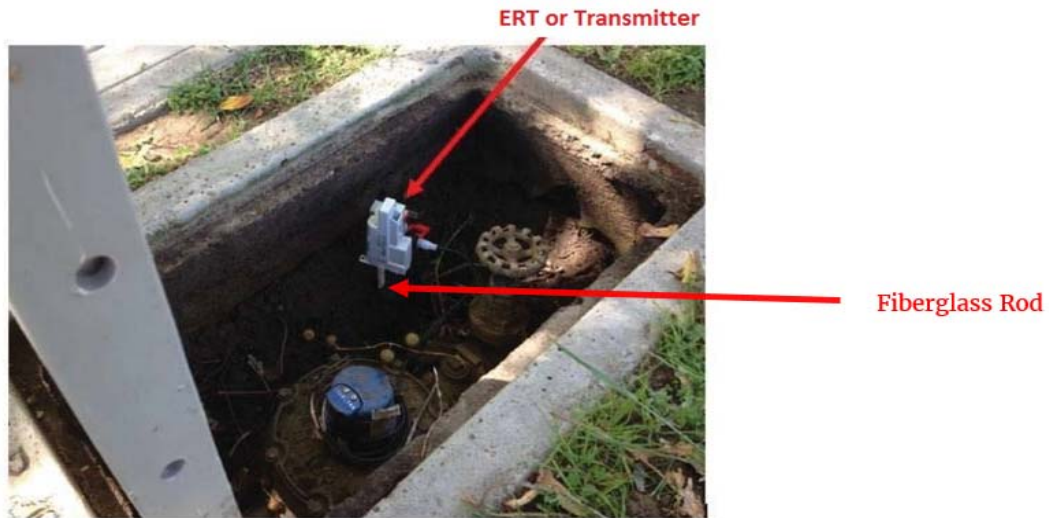


Photo 6 below is an example of disturbance that shall be avoided:

Photo 6



You are responsible when working in and around meter boxes. If you encounter these endpoints, use proper care and do not disconnect them from the registers on top of the water meter. If the lid has an antenna drilled through, do not change or tamper with the lid and inform the Resident Engineer immediately about the location of that lid. Refer to Photo 7 below:

Photo 7



Another component of the AMI system are the Network Devices. The Network Devices are strategically placed units (mainly on street light poles) that collect interval meter reading data from multiple meters for transmission to the Department Control Computer. **If you come across any of these devices on street lights that will be removed or replaced (refer to Photos 8 and 9 below), notify AMI Project Manager Arwa Sayed at (619) 362-0121 immediately.**

Photo 8 shows an installed network device on a street light. On the back of each Network Device is a sticker with contact information. See Photo 9. **Call PUD Water Emergency Repairs at 619-515-3525 if your work will impact these street lights.** These are assets that belong to the City of San Diego and you shall be responsible for any costs of disruption of this network.

Photo 8



Network Device

Photo 9



If you encounter any bad installations, disconnected/broken/buried endpoints, or inadvertently damage any AMI devices or cables, notify the Resident Engineer immediately. The Resident Engineer will then immediately contact the AMI Project Manager, Arwa Sayed, at (619) 362-0121.

ATTACHMENT F
RESERVED

ATTACHMENT G
CONTRACT AGREEMENT

CONTRACT AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and **JMJ Construction**, herein called "Contractor" for construction of **La Paz Mini Park**; Bid No. **K-21-1941-DBB-3**; in the amount of **One Million Two Hundred Eighty Three Thousand Two Hundred Eighty Four Dollars and Zero Cents (\$1,283,284.00)**, which is comprised of the Base Bid.

IN CONSIDERATION of the payments to be made hereunder and the mutual undertakings of the parties hereto, City and Contractor agree as follows:

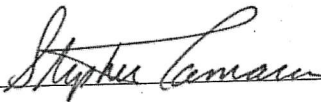
1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) That certain documents entitled **La Paz Mini Park**, on file in the office of the Engineering & Capital Projects Department as Document No. **S-11103**, as well as all matters referenced therein.
2. The Contractor shall perform and be bound by all the terms and conditions of this contract and in strict conformity therewith shall perform and complete in a good and workmanlike manner **La Paz Mini Park**, Bid Number, **K-21-1941-DBB-3** San Diego, California.
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement and is approved by the City Attorney in accordance with San Diego Charter Section 40.

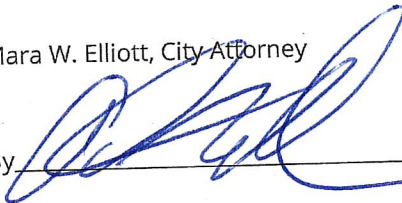
CONTRACT AGREEMENT (continued)

IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to Municipal Code §22.3102 authorizing such execution.

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

By 

Mara W. Elliott, City Attorney
By 

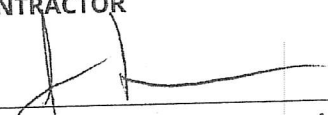
Print Name: Stephen Samara
Principal Contract Specialist
Engineering & Capital Projects

Print Name: 
Deputy City Attorney

Date: 3/24/2021

Date: 3/29/21

CONTRACTOR

By 

Print Name: Jordan Moisa

Title: President

Date: 2-14-21

City of San Diego License No.: B2018002957

State Contractor's License No.: 938561

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000010912

CERTIFICATIONS AND FORMS

The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certifications, forms and affidavits submitted as part of this bid are true and correct.

BIDDER'S GENERAL INFORMATION

To the City of San Diego:

Pursuant to "Notice Inviting Bids", specifications, and requirements on file with the City Clerk, and subject to all provisions of the Charter and Ordinances of the City of San Diego and applicable laws and regulations of the United States and the State of California, the undersigned hereby proposes to furnish to the City of San Diego, complete at the prices stated herein, the items or services hereinafter mentioned. The undersigned further warrants that this bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

The undersigned bidder(s) further warrants that bidder(s) has thoroughly examined and understands the entire Contract Documents (plans and specifications) and the Bidding Documents therefore, and that by submitting said Bidding Documents as its bid proposal, bidder(s) acknowledges and is bound by the entire Contract Documents, including any addenda issued thereto, as such Contract Documents incorporated by reference in the Bidding Documents.

**NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID UNDER 23
UNITED STATES CODE 112 AND PUBLIC CONTRACT CODE 7106**

State of California

County of San Diego

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

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 5-1.3, "Drug-Free Workplace", of the project specifications, and that;

This company has in place a drug-free workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of subdivisions a) through c) of the policy as outlined.

CONTRACTOR CERTIFICATION

AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the Americans With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 5-1.2, "California Building Code, California Code of Regulations Title 24 and Americans with Disabilities Act", of the project specifications, and that:

This company has in place workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of the policy as outlined.

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

I declare under penalty of perjury that I am authorized to make this certification on behalf of the company submitting this bid/proposal, that as Contractor, I am familiar with the requirements of City of San Diego Municipal Code § 22.3004 regarding Contractor Standards as outlined in the WHITEBOOK, Section 5-1.4, ("Contractor Standards and Pledge of Compliance"), of the project specifications, and that Contractor has complied with those requirements.

I further certify that each of the Contractor's subcontractors has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

CONTRACTOR CERTIFICATION

EQUAL BENEFITS ORDINANCE CERTIFICATION

I declare under penalty of perjury that I am familiar with the requirements of and in compliance with the City of San Diego Municipal Code § 22.4300 regarding Equal Benefits Ordinance.

CONTRACTOR CERTIFICATION

EQUAL PAY ORDINANCE CERTIFICATION

Contractor shall comply with the Equal Pay Ordinance (EPO) codified in the San Diego Municipal Code (SDMC) at section 22.4801 through 22.4809, unless compliance is not required based on an exception listed in SDMC section 22.4804.

Contractor shall require all of its subcontractors to certify compliance with the EPO in their written subcontracts.

Contractor must post a notice informing its employees of their rights under the EPO in the workplace or job site.

By signing this Contract with the City of San Diego, Contractor acknowledges the EPO requirements and pledges ongoing compliance with the requirements of SDMC Division 48, section 22.4801 et seq., throughout the duration of this Contract.

AFFIDAVIT OF DISPOSAL

(To be submitted upon completion of Construction pursuant to the contracts Certificate of Completion)

WHEREAS, on the _____ DAY OF _____, 2_____ the undersigned entered into and executed a contract with the City of San Diego, a municipal corporation, for:

LA PAZ MINI PARK

(Project Title)

as particularly described in said contract and identified as Bid No. **K-21-1941-DBB-3**; SAP No. (WBS) **S-11103**; and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

NOW, THEREFORE, in consideration of the final payment by the City of San Diego to said Contractor under the terms of said contract, the undersigned Contractor, does hereby affirm that all surplus materials as described in said contract have been disposed of at the following location(s)

and that they have been disposed of according to all applicable laws and regulations.

Dated this _____ DAY OF _____, _____.

By: _____
Contractor

ATTEST:

State of _____ County of _____

On this _____ DAY OF _____, 2_____, before the undersigned, a Notary Public in and for said County and State, duly commissioned and sworn, personally appeared _____ known to me to be the _____ Contractor named in the foregoing Release, and whose name is subscribed thereto, and acknowledged to me that said Contractor executed the said Release.

Notary Public in and for said County and State

LIST OF SUBCONTRACTORS

***** PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY *** TO BE SUBMITTED IN ELECTRONIC FORMAT ONLY *** SEE INSTRUCTIONS TO BIDDERS, FOR FURTHER INFORMATION**

In accordance with the requirements of the "Subletting and Subcontracting Fair Practices Act", Section 4100, of the California Public Contract Code (PCC), the Bidder is to list below the name, address and license number of each Subcontractor who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement, in an amount of or in excess of 0.5% of the Contractor's total Bid. Failure to comply with this requirement may result in the Bid being rejected as non-responsive. The Contractor is to list only one Subcontractor for each portion of the Work. The Bidder's attention is directed to the Special Provisions - Section 3-2, "SELF-PERFORMANCE", which stipulates the percentage of the Work to be performed with the Bidder's own forces. The Bidder is to also list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which the Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB®	WHERE CERTIFIED®	CHECK IF JOINT VENTURE PARTNERSHIP
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							

- ① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Subcontractor is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | | |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

***** PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY *** TO BE SUBMITTED IN ELECTRONIC FORMAT ONLY *** SEE INSTRUCTIONS TO BIDDERS FOR FURTHER INFORMATION**

NAME, ADDRESS AND TELEPHONE NUMBER OF VENDOR/SUPPLIER	MATERIALS OR SUPPLIES	DOLLAR VALUE OF MATERIAL OR SUPPLIES	SUPPLIER (Yes/No)	MANUFACTURER (Yes/No)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED ^②
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____						

- ① As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Vendor/Supplier is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | | |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

ELECTRONICALLY SUBMITTED FORMS

FAILURE TO FULLY COMPLETE AND SUBMIT ANY OF THE FOLLOWING FORMS WILL DEEM YOUR BID NON-RESPONSIVE.

PLANETBIDS WILL NOT ALLOW FOR BID SUBMISSIONS WITHOUT THE ATTACHMENT OF THESE FORMS

The following forms are to be completed by the bidder and submitted (uploaded) electronically with the bid in PlanetBids.

- A. BID BOND – See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions**
- B. CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS**
- C. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM**
- D. DEBARMENT AND SUSPENSION CERTIFICATION FOR PRIME CONTRACTOR**
- E. DEBARMENT AND SUSPENSION CERTIFICATION FOR SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS**

BID BOND

**See Instructions to Bidders, Bidder Guarantee of Good Faith
(Bid Security)**

KNOW ALL MEN BY THESE PRESENTS,

That J M J CONSTRUCTION as Principal, and NORTH AMERICAN SPECIALTY INSURANCE COMPANY as Surety, are held and firmly bound unto The City of San Diego hereinafter called "OWNER," in the sum of **10% OF THE TOTAL BID AMOUNT** for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a Bid to said OWNER to perform the WORK required under the bidding schedule(s) of the OWNER's Contract Documents entitled

LA PAZ MINI PARK, BID NO. K-21-1941-DBB-3

NOW THEREFORE, if said Principal is awarded a contract by said OWNER and, within the time and in the manner required in the "Notice Inviting Bids" enters into a written Agreement on the form of agreement bound with said Contract Documents, furnishes the required certificates of insurance, and furnishes the required Performance Bond and Payment Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect. In the event suit is brought upon this bond by said OWNER and OWNER prevails, said Surety shall pay all costs incurred by said OWNER in such suit, including a reasonable attorney's fee to be fixed by the court.

SIGNED AND SEALED, this 24TH day of NOVEMBER, 2020

J M J CONSTRUCTION (SEAL)
(Principal)

NORTH AMERICAN
SPECIALTY INSURANCE COMPANY (SEAL)
(Surety)

By: _____
(Signature)
JORDAN MOISA, PRESIDENT

By: Mark D. Iatarola
(Signature)
MARK D. IATAROLA, ATTORNEY-IN-FACT

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Riverside

On Nov. 29, 2020 before me, Linda J. Ortega,

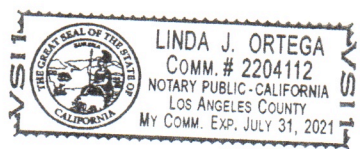
A Notary Public personally appeared Jordan Moisa

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Linda J. Ortega



(Seal)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

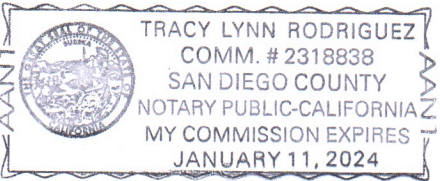
CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }
County of SAN DIEGO

On 11/24/2020 before me, TRACY LYNN RODRIGUEZ, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer
personally appeared MARK D. IATAROLA
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
WITNESS my hand and official seal.

Signature *Tracy Lynn Rodriguez*
Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____
Document Date: _____ Number of Pages: _____
Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: MARK D. IATAROLA Signer's Name: _____
 Corporate Officer – Title(s): _____ Corporate Officer – Title(s): _____
 Partner – Limited General Partner – Limited General
 Individual Attorney in Fact Individual Attorney in Fact
 Trustee Guardian of Conservator Trustee Guardian of Conservator
 Other: _____ Other: _____
Signer is Representing: _____ Signer is Representing: _____

SWISS RE CORPORATE SOLUTIONS

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY
WESTPORT INSURANCE CORPORATION GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Kansas City, Missouri and Washington International Insurance Company a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Kansas City, Missouri, and Westport Insurance Corporation, organized under the laws of the State of Missouri, and having its principal office in the City of Kansas City, Missouri does hereby make, constitute and appoint:

JOHN G. MALONEY, HELEN MALONEY, SANDRA FIGUEROA, MARK D. IATAROLA, JESSICA SCHMAL AND TRACY LYNN RODRIGUEZ JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of: ONE HUNDRED TWENTY FIVE MILLION (\$125,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on March 24, 2000 and Westport Insurance Corporation by written consent of its Executive Committee dated July 18, 2011.

RESOLVED, that any two of the President, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached.



By [Signature] Steven P. Anderson, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company & Senior Vice President of Westport Insurance Corporation

By [Signature] Mike A. Ito, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company & Senior Vice President of Westport Insurance Corporation

IN WITNESS WHEREOF, North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 19TH day of JUNE, 20 19.

North American Specialty Insurance Company
Washington International Insurance Company
Westport Insurance Corporation

State of Illinois
County of Cook ss:

On this 19TH day of JUNE, 20 19, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of

Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Senior Vice President of Westport Insurance Corporation and Michael A. Ito Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Senior Vice President of Westport Insurance Corporation, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



[Signature] M. Kenny, Notary Public

I, Jeffrey Goldberg, the duly elected Vice President and Assistant Secretary of North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 24th day of NOVEMBER, 20 20.

[Signature] Jeffrey Goldberg, Vice President & Assistant Secretary of Washington International Insurance Company & North American Specialty Insurance Company & Vice President & Assistant Secretary of Westport Insurance Corporation

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against the Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

CHECK ONE BOX ONLY.

- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.
- The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

DATE OF CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/REMEDIAL ACTION TAKEN

Contractor Name: JMJ Construction

Certified By Jordan Moisa Title President

Name

Title

 Signature Date 12/3/2020

Date

USE ADDITIONAL FORMS AS NECESSARY

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Legal Name		DBA	
JMJ COstruction			
Street Address	City	State	Zip
40209 medford road	Temecula	CA	92591
Contact Person, Title		Phone	Fax
Jordan Moisa		562-318-4733	

Provide the name, identity, and precise nature of the interest* of all persons who are directly or indirectly involved** in this proposed transaction (SDMC § 21.0103).

* The precise nature of the interest includes:

- the percentage ownership interest in a party to the transaction,
- the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction,
- the value of any financial interest in the transaction,
- any contingent interest in the transaction and the value of such interest should the contingency be satisfied, and
- any philanthropic, scientific, artistic, or property interest in the transaction.

** Directly or indirectly involved means pursuing the transaction by:

- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City, or
- directing or supervising the actions of persons engaged in the above activity.

Name	Title/Position
Jordan Moisa	President
City and State of Residence	Employer (if different than Bidder/Proposer)
Temecula, CA	
Interest in the transaction	
the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction 100%	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

*** Use Additional Pages if Necessary ***

Under penalty of perjury under the laws of the State of California, I certify that I am responsible for the completeness and accuracy of the responses contained herein, and that all information provided is true, full and complete to the best of my knowledge and belief. I agree to provide written notice to the Mayor or Designee within five (5) business days if, at any time, I learn that any portion of this Mandatory Disclosure of Business Interests Form requires an updated response. Failure to timely provide the Mayor or Designee with written notice is grounds for Contract termination.

Jordan Moisa, President

12/3/2020

Print Name, Title

Signature

Date

Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive. In the case of an informal solicitation, the contract will not be awarded unless a signed and completed Mandatory Disclosure of Business Interests Form is submitted.

DEBARMENT AND SUSPENSION CERTIFICATION

PRIME CONTRACTOR

FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

EFFECT OF DEBARMENT OR SUSPENSION

To promote integrity in the City's contracting processes and to protect the public interest, the City shall only enter into contracts with responsible bidders and contractors. In accordance with San Diego Municipal Code §22.0814 (a): *Bidders and contractors who have been debarred or suspended are excluded from submitting bids, submitting responses to requests for proposal or qualifications, receiving contract awards, executing contracts, participating as a subcontractor, employee, agent or representative of another person contracting with the City.*

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of Names of the Principal Individual owner(s)

The names of all persons interested in the foregoing proposal as Principals are as follows:

NAME	TITLE
Jordan Moisa	President

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, state secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if Bidder or other interested person is an individual, state first and last names in full.

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

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

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

Exceptions will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Contractor Name: JMJ Construction
Certified By: Jordan Moisa Title President
Name _____
Signature _____ Date 12/3/2020

NOTE: Providing false information may result in criminal prosecution or administrative sanctions.

DEBARMENT AND SUSPENSION CERTIFICATION

**SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS
TO BE COMPLETED BY BIDDER
FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE**

Names of the Principal individual owner(s)

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of Names of the Principal individual owner(s) for their subcontractor/supplier/manufacturers.

Please indicate if principal owner is serving in the capacity of **subcontractor, supplier, and/or manufacturer:**

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Michael McGrath, McGrath Consulting	President

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

Contractor Name: McGrath Consulting

Certified By: Michael McGrath

Title: President

Date: 12/04/2020

*USE ADDITIONAL FORMS AS NECESSARY**

NAICS NAICS_Description

Matalon Architecture & Planning, Inc.

Phone: (858) 483-6587 Fax:

Michael B. Matalon Mbm@matalonarch.com

License Type	Business Status
ARC	Emerging

NOTE: Architectural and Land Planning

541310 Architectural Services

Maxim Construction Company, Inc.

Phone: (619) 990-4245 Fax: (619) 334-1880

Derek Franken derek@maximcci.com

License Type	Business Status
A	Emerging

NOTE: Contractor: Water, sewer, storm drain, etc.

237110 Water and Sewer Line and Related Structures Construction

MBN Group, Inc.

Phone: (858) 678-0150 Fax: (858) 678-0155

Minh Nguyen Mnguyen@mbngroup.net

License Type	Business Status
ARC	Emerging

NOTE: ARCHITECTURAL DESIGN, INTERIOR DESIGN, ADA SURVEYS, CONSTRUCTION DOCUMENTS, DRAFTING, CONSTRUCTION ADMINISTRATION

541310 Architectural Services

541340 Drafting Services

541410 Interior Design Services

McGrath Holdings, Inc. DBA McGrath Consulting

Phone: (619) 443-3811 Fax: (619) 443-3459

Michael McGrath Mwm@mcswwppp.com

License Type	Business Status
Goods/Services	Emerging

NOTE: Water Quality Consulting

541620 Environmental Consulting Services

McLeod Trucking

Phone: (619) 442-9328 Fax: (619) 442-4928

Ruth McLeod McLeodtrucking@gmail.com

License Type	Business Status
Goods/Services	Small

NOTE: Trucking

484110 General Freight Trucking, Local

Mech One, Inc.

Phone: (760) 260-8121 Fax: (760) 888-1942

Anthony (Tony) Geist tony@mechoneinc.com

License Type	Business Status
C-20	Small

NOTE: Heating, Ventilating, Air Conditioning

DEBARMENT AND SUSPENSION CERTIFICATION

SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS

TO BE COMPLETED BY BIDDER

FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

Names of the Principal individual owner(s)

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of Names of the Principal Individual owner(s) for their subcontractor/supplier/manufacturers.

Please indicate if principal owner is serving in the capacity of **subcontractor, supplier, and/or manufacturer:**

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Dwayne Henry	President

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

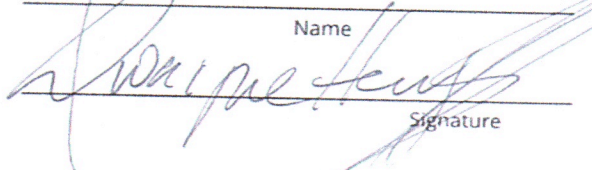
NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

Contractor Name: MOOR ELECTRIC, INC.

Certified By Dwayne Henry Name Title President

 Signature Date 12/02/2020

USE ADDITIONAL FORMS AS NECESSARY*

CORPORATE OVERVIEW

Moor Electric Inc. is a family owned corporation that is committed to quality workmanship. We have been in business for over 17 years and offer unparalleled service. Moor Electric's reputation of delivering exceptional project management, precision workmanship and client satisfaction is unmatched by the competition. We are committed to meeting our clients objectives in addition to making and keeping new friendships.

BONDABILITY

- SINGLE LIMIT: \$500,000
- AGGREGATE LIMIT: \$500,000

CLIENTS/CUSTOMERS

- DEPARTMENT OF PARKS & RECREATIONS (STATE OF CA)
- DEPARTMENT OF REAL ESTATE (STATE OF CA)
- SAN DIEGO CITY COLLEGE (STATE OF CA)
- CITY OF SAN DIEGO
- SAN DIEGO UNIFIED SCHOOL DISTRICT
- UNITED STATES POST OFFICE
- CALTRANS
- SAN DIEGO HOUSING COMMISSION
- MTS

SUPPLIERS

- REXEL ESJD
- CED/CEES (CALIFORNIA ELECTRICAL SUPPLY CHULA VISTA)
- SOLAR WORLD
- WESCO
- GRAYBAR
- ONE SOURCE



License # 797985

5505 STEVENS WAY # 740504
SAN DIEGO, CA 92114-9998

(619) 250-0380 (CELL)
1 877-250-MOOR (6667) (OFFICE)
(619) 955-5381 (FAX)

INFO@MOORELECTRIC-SD.COM (EMAIL)

WWW.MOORELECTRIC-SD.COM

CAGE # SCJP1

DUNS # 02-442-6475

IBEW MEMBER

CLASSIFICATIONS

NAICS CODES:

- 238210 ELECTRICAL CONTRACTOR
- 425120 WHOLESALE TRADE AGENT
- 423610 ELECTRICAL MERCHANT WHOLESALER(LA METRO)

SIC CODES:

- 17110403 SOLAR ENERGY
- 173100 ELECTRICAL WORK
- 17310104 SWITCH GEAR
- 17319904 LIGHTING CONTRACTOR CERTIFICATIONS

- LA METRO SBE # 7867
- DBE (DISADVANTAGE BUSINESS ENTERPRISE) 37640 CA DOT
- MBE (MINORITY BUSINESS ENTERPRISE) 9EN00045 - SUPPLIER CLEARING HOUSE
- CCR, ORCA, SB & S.A.M.
- SLBE (SMALL LOCAL BUSINESS ENTERPRISE) 10ME0041 CITY OF SAN DIEGO
- HUBZONE 39920
- GRADUATE OF TURNER SCHOOL OF CONSTRUCTION JUNE 2009 & 2013



EXPERTISE

- NEW CONSTRUCTION
 - TENANT IMPROVEMENTS
 - FIBER OPTICS: TESTING & FUSION SPLICING
 - PUBLIC & PRIVATE
 - UNDERGROUND DRY UTILITIES
 - LIGHTING CONTROL/TITLE 24
 - U.P.S./GENERATOR/ATS INSTALLATIONS
 - PHONE/DATACABLE/NETWORK
 - SOLAR INSTALLATIONS
- ### PROJECTS
- SCADA : MTS TROLLEY UPGRADES
 - COMM22 SENIOR HOUSING
 - BROWNFIELD AIRPORT
 - MCTC - TROLLEY EXTENSION

DEBARMENT AND SUSPENSION CERTIFICATION

**SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS
 TO BE COMPLETED BY BIDDER
 FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE**

Names of the Principal individual owner(s)

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of Names of the Principal Individual owner(s) for their subcontractor/supplier/manufacturers.

Please indicate if principal owner is serving in the capacity of **subcontractor, supplier, and/or manufacturer:**

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Rody Proterelo	President

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

Contractor Name: Acemise Survey
 Certified By: Rody Proterelo Name Title: President
 Signature: [Signature] Date: 12-4-20

USE ADDITIONAL FORMS AS NECESSARY*

NAICS NAICS_Description

Accent Engineering and Construction

Phone: (619) 954-4852 Fax: (619) 954-4852

Rodney Thompson Rthompson@accenteci.com

License Type	Business Status
B	Emerging
C-10	Emerging
C-16	Emerging
C-20	Emerging
C-36	Emerging
C-08	Emerging
A	Emerging

NOTE: General Contractor: Structural Concrete; Site Concrete; Underground Utilities; HDD Boring

236220 Commercial and Institutional Building Construction

238210 Electrical Contractors

238220 Plumbing, Heating, and Air-Conditioning Contractors

238110 Poured Concrete Foundation and Structure Contractors

Acculine Survey, Inc.

Phone: (858) 483-6665 Fax: (858) 483-6056

Rudy Pacheco Acculinesurvey@sbcglobal.net

License Type	Business Status
LS	Small

NOTE: Professional Land Surveying Services

541370 Surveying and Mapping (except Geophysical) Services

Ace Excavating and Environmental Services, Inc.

Phone: (619) 441-4900 Fax: (619) 441-4901

Larry Gillum Larry@ace.sdcoxmail.com

License Type	Business Status
A	Emerging
ASB	Emerging
C-21	Emerging
C-57	Emerging
HAZ	Emerging

NOTE: Demo, Concrete, Excavating, Sewer Pipe Work, Sewer Pumps, Underground Fuel Tanks Removal and Replacement

238910 Site Preparation Contractors

237110 Water and Sewer Line and Related Structures Construction

DEBARMENT AND SUSPENSION CERTIFICATION

SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS

TO BE COMPLETED BY BIDDER

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Please indicate if principal owner is serving in the capacity of **subcontractor, supplier, and/or manufacturer**:

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
HURRICANE & POWAY FENCE CO. LAURANN VOLK	OWNER

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

Contractor Name: HURRICANE & POWAY FENCE CO.

Certified By LAURANN VOLK Name Title owner

Jacqueline M Volk Signature Date 12/4/20

USE ADDITIONAL FORMS AS NECESSARY*

NAICS NAICS_Description

Homeland Engineering, Inc

Phone: (760) 877-2391 Fax:

Jack Robertson lavigne@homelandengineeringinc.com

License Type	Business Status
A	Small

NOTE: Design-Build Site Retaining Walls

238140 Masonry Contractors

Howes, Weiler & Associates

Phone: (760) 929-2288 Fax: (760) 929-2287

Mel Landy sweiler@hwl-pe.com

License Type	Business Status
CSD-12	Emerging

NOTE: Civil Engineering, Planning, Survey, SWPP

541330 Engineering Services

541620 Environmental Consulting Services

HR Mechanical Corporation DBA HR Plumbing, Inc.

Phone: (760) 630-1637 Fax: (760) 593-0168

Ryan Everest ryan@hr-plumbing.com

License Type	Business Status
C-36	Small

NOTE: All related plumbing systems

238220 Plumbing, Heating, and Air-Conditioning Contractors

Hurricane and Poway Fence Co, Inc.

Phone: (760) 789-4142 Fax: (760) 788-1537

Laurann M. Volk Laurann@usa.net

License Type	Business Status
C-13	Emerging

NOTE: Fencing and all related construction

238990 All Other Specialty Trade Contractors

Hutchison Mechanical, Inc.

Phone: (920) 530-9322 Fax:

Lane Hutchison nina@hutchmech.com

License Type	Business Status
C-20	Emerging

NOTE: Hutchison Mechanical is a full service Warm-Air Heating, Ventilating and Air-Conditioning (HVAC) Contractor Servicing San Diego, CA and surrounding areas

238220 Plumbing, Heating, and Air-Conditioning Contractors

IBRA-RMAC Automation Systems, LLC

Phone: (760) 216-4122 Fax:

Amirali Ibrahim amir@ibrarmac.com

License Type	Business Status
CSD-17	Emerging

NOTE: Controls & Automation Consultants

238210 Electrical Contractors

DEBARMENT AND SUSPENSION CERTIFICATION
SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS
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Please indicate if principal owner is serving in the capacity of **subcontractor, supplier, and/or manufacturer.**

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Greg Vasilieff	President
Robert Vasilieff	VP
Marie Vasilieff	CFO

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

Contractor Name: Western Gardens Landscaping, Inc.

Certified By Marie Vasilieff Title CFO

Name
Marie Vasilieff
 Signature
 Date 12/3/20

USE ADDITIONAL FORMS AS NECESSARY

City of San Diego



**Small Local Business Enterprise (SLBE)
Program Certification**

**Western Gardens Landscaping, Inc.
Small Local Business Enterprise (SLBE)
Specialty Construction**

(NAICS: 561730)

Certification Number: 13WG0811

Effective: 9/14/2020 - 9/14/2022

Christian Silva
Program Manager
Equal Opportunity Contracting

DEBARMENT AND SUSPENSION CERTIFICATION

SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS

TO BE COMPLETED BY BIDDER

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Please indicate if principal owner is serving in the capacity of **subcontractor**, **supplier**, and/or **manufacturer**:

SUBCONTRACTOR
 SUPPLIER
 MANUFACTURER

NAME	TITLE
Jack Striegel	CEO
Peter Kleinische	CEO
Traavis Hunsb	Secretary

SUBCONTRACTOR
 SUPPLIER
 MANUFACTURER

NAME	TITLE

SUBCONTRACTOR
 SUPPLIER
 MANUFACTURER

NAME	TITLE

SUBCONTRACTOR
 SUPPLIER
 MANUFACTURER

NAME	TITLE

Contractor Name: Tot Lot Plus

Certified By: Traavis Hunsb
Name

Title: Secretary


Signature

Date: 12-3-2020

*USE ADDITIONAL FORMS AS NECESSARY**

DEBARMENT AND SUSPENSION CERTIFICATION

**SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS
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Please indicate if principal owner is serving in the capacity of **subcontractor, supplier, and/or manufacturer:**

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Richard Hawley	VP of Sales
Robertson Industries, Inc. is a Corporation owned by PlayCore	

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

Contractor Name: Robertson Industries, Inc.

Certified By Richard Hawley Title VP of Sales

Name
Richard Hawley Date 12-2-2020
Signature

USE ADDITIONAL FORMS AS NECESSARY*

DEBARMENT AND SUSPENSION CERTIFICATION

SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS
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Please indicate if principal owner is serving in the capacity of **subcontractor**, **supplier**, and/or **manufacturer**:

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Greg Rogers COAS RECREATION	OWNER

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

^{SUPPLIER}
 Contractor Name: COAS RECREATION, INC.

Certified By Greg Rogers Name Title OWNER

Greg Rogers Signature Date 12-2-2020

USE ADDITIONAL FORMS AS NECESSARY*

DEBARMENT AND SUSPENSION CERTIFICATION

SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS

TO BE COMPLETED BY BIDDER

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Please indicate if principal owner is serving in the capacity of **subcontractor**, **supplier**, and/or **manufacturer**:

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Kelly Spence	Principal

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

Contractor Name: POLYCON

Certified By: Kelly Spence Name Title Principal

[Signature] Signature Date 12-3-20

USE ADDITIONAL FORMS AS NECESSARY*

DEBARMENT AND SUSPENSION CERTIFICATION

SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS
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Names of the Principal individual owner(s)

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Please indicate if principal owner is serving in the capacity of **subcontractor**, **supplier**, and/or **manufacturer**:

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Scott Puhlman	President/CEO
Deanna Puhlman	CFO/Sec'y

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER


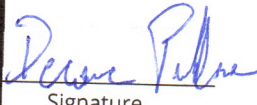
NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

Contractor Name: Outdoor Creations Inc.

Certified By Deanna Puhlman Title CFO/Sec'y

  Date 12/4/2020
 Signature

USE ADDITIONAL FORMS AS NECESSARY*

City of San Diego

CITY CONTACT: Rosa Riego, Senior Contract Specialist, Email: RRiego@sandiego.gov
Phone No. (619) 533-3426

ADDENDUM A



FOR

LA PAZ MINI PARK

BID NO.:	<u>K-21-1941-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>S-11103</u>
CLIENT DEPARTMENT:	<u>1714</u>
COUNCIL DISTRICT:	<u>4</u>
PROJECT TYPE:	<u>GC</u>

BID DUE DATE:

**2:00 PM
DECEMBER 2, 2020**

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

ENGINEER OF WORK

The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Landscape Architect:

Vicki Estrada
1) Registered Landscape Architect

11/3/2020
Date

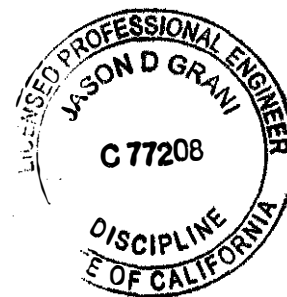
Seal:



Jason D. Grani
2) For City Engineer

11/3/20
Date

Seal:



A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

B. SUPPLEMENTARY SPECIAL PROVISIONS

1. To Section 3, CONTROL OF THE WORK, Subsection 3-10, SURVEYING, pages 37 and 38, **DELETE** in its entirety and **SUBSTITUTE** with the following:

3-10 SURVEYING. To the "GREENBOOK" and "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

3-10 SURVEYING (DESIGN-BID-BUILD).

3-10.1 General.

1. You shall provide all required site layout and general grade checking work not specified in 3-10.2, "Survey Services Provided by City".
2. Notify the City, in writing, at least 2 Working Days prior to requesting survey services provided by the City.

3-10.2 Survey Services Provided by City.

1. Monument Perpetuation, including mark-outs. You are responsible for requesting the coordination of these services.
 - a) If at any time a monument will be destroyed or covered, such monument shall be perpetuated in accordance with state law. Inform the City Engineering Support & Technical Services Division's Land Survey Section (LSS), via project Resident Engineer, if any monument will be destroyed or covered during any construction activity.
2. The following surveying services (including construction staking), as defined in California Business & Professions Code §8726, shall be provided by the City:
 - a) Locating or establishing alignment or elevations of all features or structures shown on project Plans.

- b) Locating or establishing geodetic control points for all site feature or structure locations.
 - c) Produce topographic as-built data.
 - d) Locating, establishing, or re-establishing monuments, property lines, right-of-way lines, or easement lines.
 - e) Verifying structure finish grade elevations.
3. All construction survey stakes, control points, and other survey related marks provided by the City shall be preserved for the duration of the Project. If any construction survey stakes, control points, or other survey related marks are lost or disturbed and need to be replaced, such replacement shall be performed at your expense.

3-10.3 Payment.

- 1. The payment for site layout and general grade checking Work, coordination, and preservation of all survey related marks shall be included in the Contract Price.

James Nagelvoort, Director
Engineering & Capital Projects Department

Dated: *November 3, 2020*
San Diego, California

JN/AJ/wf

City of San Diego

CITY CONTACT: Rosa Riego, Senior Contract Specialist, Email: RRiego@sandiego.gov
Phone No. (619) 533-3426

ADDENDUM B



FOR

LA PAZ MINI PARK

BID NO.:	<u>K-21-1941-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>S-11103</u>
CLIENT DEPARTMENT:	<u>1714</u>
COUNCIL DISTRICT:	<u>4</u>
PROJECT TYPE:	<u>GC</u>

BID DUE DATE:

**2:00 PM
DECEMBER 4, 2020**

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

ENGINEER OF WORK

The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Landscape Architect:

Vicki Estrada
1) Registered Landscape Architect

11/24/2020
Date

Seal:



Jason D. Grani
2) For City Engineer

11/24/20
Date

Seal:



A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

THE SUBMITTAL DATE FOR THIS PROJECT HAS BEEN **EXTENDED AS STATED ON THE COVER PAGE.**

B. BIDDER'S QUESTIONS

Q1. Per spec section 219-1.3, Contractor shall provide a drainage sump consisting of a perforated drain line wrapped in a filter fabric sock and surrounded with a 3/4" crushed rock bed, graded away from the drinking at locations and to the size indicated on the plans. Soil or media coverage above the sump drain line shall be 6" minimum unless otherwise specified. The plans do not state where the perforated drain line is to be installed, please advise on the plans.

A1. Refer to page 8 (Sheet L-2) of the plan set where the drain line is shown and called out with construction note #40.

Q2. Per plan sheet L-9, it states in the legend for the cobblestone to be Curran Cobble from decorative stone solutions. Per spec section 200-1.8 Decorative Boulders, the cobble is to be from KRC Rock and 4" -8" in size. Please advise as to which cobble is to be used for this project.

A2. For the response, see Section C, Supplementary Special Provisions of this Addendum.

C. SUPPLEMENTARY SPECIAL PROVISIONS

1. To **SECTION 200 – ROCK MATERIALS**, Item 200-1.8, Decorative Boulders, pages 56 through 57, **DELETE** in its entirety and **SUBSTITUTE** with the following:

ADD:

200-1.8 Decorative Boulders.

Boulders shall comply with the following:

Product: Blue Moon

Manufacturer: KRC Rock, or approved equal

800-572-7625
www.krcrock.com

Nominal Size: As indicated on the plans.
Color Range: Greys and tans
Sample: See Section 200-1.1 "General".
Cobble shall comply with the following:
Products: Curran Cobble
Manufacturer: Decorative Stone Solutions, or
approved equal
800-699-1878
www.decorativesolutions.com
Thickness: As indicated on the plans.
Nominal Size: 6"-9"
Color Range: Mixes of rich earthtones.
Sample: See Section 200-1.1 "General".

James Nagelvoort, Director
Engineering & Capital Projects Department

Dated: *November 24, 2020*
San Diego, California

JN/AJ/wf

Bid Results

Bidder Details

Vendor Name JMJ Construction
 Address 30724 Benton Rd C302-593
 winchester, California 92596
 United States
 Respondee jordan moisa
 Respondee Title president
 Phone 562-318-4733
 Email jmjconstruction@me.com
 Vendor Type LAT, MALE, PQUAL, DBE, CADIR
 License # 938561
 CADIR 1000010912

Bid Detail

Bid Format Electronic
 Submitted 12/04/2020 1:15 PM (PST)
 Delivery Method
 Bid Responsive
 Bid Status Submitted
 Confirmation # 236608
 Ranking 0

Respondee Comment

Buyer Comment

Bond

eBond Contract ID

Attachments

File Title	File Name	File Type
a	contractors certification of pending actions.pdf	General Attachments
c	debarement prime.pdf	General Attachments
b	mandatory disclosure.pdf	General Attachments
d	Debarement subs.pdf	General Attachments
e	bid bond 1.pdf	Bid Bond

Subcontractors

Showing 7 of undefined Subcontractors

Name & Address	Desc	License Num	CADIR	Amount	Type
Acculine Survey, Inc. 1919 Grand Avenue Suite 1G, San San Diego, California 92109	surveyors supplier	0	1000013806	\$20,000.00	SLBE
Hurricane & Poway Fence Co., Inc 209 10th(Hwy 78) Street,Ramona, Ramona, California 92065	fencing	891123	100011357	\$80,000.00	CADIR, CAU, ELBE, FEM, WOSB
McGrath Consulting PO Box 2488 El Cajon, California 92021	swppp suppliers	000000	1000037165	\$10,000.00	
Moor Electric, Inc. 1244 Manchester Street National City, California 91950	ELECTRICAL	797985	1000002598	\$53,000.00	DBE, HUBZ, MBE, CADIR, SDB, MALE, AFR
Tot Lot Pros 14688 El Molino St. Fontana, California 92335	playground install	967975	1000002374	\$60,000.00	
Tot Turf-Robertson Industries 2414 West 12th Street Suite 5 Tempe, Arizona 85281	rubber surfacing	667261	1000002700	\$80,000.00	
Western Gardens Landscaping 4616 Pannonia Road Carlsbad, California 92008	irrigation and landscaping	662550	1000004289	\$200,000.00	DBE, SDB

Line Items

Item #	Item Code	Section	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
1	238990	Main Bid		Construction of Park Improvements	LS	1	\$1,111,784.00	\$1,111,784.00	Yes	
2	524126	Main Bid		Bonds (Payment and Performance)	LS	1	\$16,500.00	\$16,500.00	Yes	
3	236220	Main Bid		Inspection Paid For By the Contractor (EOC Type I)	AL	1	\$5,000.00	\$5,000.00	Yes	
4	236220	Main Bid		Building Permits (EOC Type I)	AL	1	\$5,000.00	\$5,000.00	Yes	
5	541330	Main Bid		WPCP Development	LS	1	\$10,000.00	\$10,000.00	Yes	
6	237990	Main Bid		WPCP Implementation	LS	1	\$25,000.00	\$25,000.00	Yes	
7	238990	Main Bid		Mobilization	LS	1	\$50,000.00	\$50,000.00	Yes	
8		Main Bid		Field Orders (EOC Type II)	AL	1	\$60,000.00	\$60,000.00	Yes	

Line Item Subtotals

Section Title	Line Total
Main Bid	\$1,283,284.00
Grand Total	\$1,283,284.00

Line Totals (Unit Price * Quantity)								
Item Num	Section	Item Code	Description	Reference	Unit of Measure	Quantity	JMJ Construction - Unit Price	JMJ Construction - Line Total
1	Main Bid	238990	Construction of Park Improvements	7-3.1	LS	1	\$1,111,784.00	\$1,111,784.00
2	Main Bid	524126	Bonds (Payment and Performance)	1-7.2.1	LS	1	\$16,500.00	\$16,500.00
3	Main Bid	236220	Inspection Paid For By the Contractor (EOC Type I)	4-3.4.1	AL	1	\$5,000.00	\$5,000.00
4	Main Bid	236220	Building Permits (EOC Type I)	2-2.3	AL	1	\$5,000.00	\$5,000.00
5	Main Bid	541330	WPCP Development	1001-4.2	LS	1	\$10,000.00	\$10,000.00
6	Main Bid	237990	WPCP Implementation	1001-4.2	LS	1	\$25,000.00	\$25,000.00
7	Main Bid	238990	Mobilization	7-3.4.1	LS	1	\$50,000.00	\$50,000.00
8	Main Bid		Field Orders (EOC Type II)	7-3.9	AL	1	\$60,000.00	\$60,000.00
							Subtotal	\$1,283,284.00
							Total	\$1,283,284.00

SUBCONTRACTOR LISTING

(OTHER THAN FIRST TIER)

Pursuant to California Senate Bill 96 and in accordance with the requirements of Labor Code sections 1771.1 and 1725.5, by submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the California Department of Industrial Relations (DIR). **The Bidder is to list below the name, address, license number, DIR registration number of any (known tiered subcontractor) - who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement pursuant to the contract. If none are known at this time, mark the table below with non-applicable (N/A).**

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____	N/A			
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				

**** USE ADDITIONAL FORMS AS NECESSARY ****