

City of San Diego

CONTRACTOR'S NAME: Blue Pacific Engineering & Construction
ADDRESS: 3545 Camino del Rio South Suite A
TELEPHONE NO.: (858) 956-1456 **FAX NO.:** _____
CITY CONTACT: Juan E.. Espindola, Senior Contract Specialist, Email: JEspindola@sandiego.gov
Phone No. (619) 533-4491
M. Calleran / A. James / B. Richardson

BIDDING DOCUMENTS



FOR HICKMAN FIELD ATHLETIC AREA

BID NO.: K-22-1962-DBB-3
SAP NO. (WBS/IO/CC): S-00751
CLIENT DEPARTMENT: 1714
COUNCIL DISTRICT: 6
PROJECT TYPE: GA

THIS CONTRACT WILL BE SUBJECT TO THE FOLLOWING:

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

BID DUE DATE:
2:00 PM
DECEMBER 14, 2021

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

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

ENGINEER OF WORK

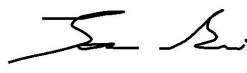
The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Landscape Architect:

Vicki Estrada
1) Registered Landscape Architect

11/02/2021
Date

Seal:




2) For City Engineer

07/15/2021
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.	List of Subcontractors for Alternate Items	At Time of Bid	ALL BIDDERS
4.	Mandatory Disclosure of Business Interests	At Time of Bid	ALL BIDDERS
5.	Debarment and Suspension Certification for Prime Contractors	At Time of Bid	ALL BIDDERS
6.	Debarment and Suspension Certification for Subcontractors, Suppliers & Mfgs	At Time of Bid	ALL BIDDERS
7.	Bid Bond (Original)	By 5PM 3 working days after bid opening	ALL BIDDERS
8.	SLBE Good Faith Effort Documentation	By 5PM 3 working days after bid opening	ALL BIDDERS
9.	Form AA60 – List of Work Made Available	By 5 PM 3 working days after bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS
10.	Phased Funding Schedule Agreement (when required)	Within 10 working days of receipt by the bidder of the Notice of Intent to Award	AWARDED BIDDER
11.	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	AWARDED BIDDER

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
12.	Payment & Performance Bond: Certificates of Insurance & Endorsements	Within 10 working days of receipt by bidder of contract forms and NOI	AWARDED BIDDER
13.	Signed Contract Agreement Page	Within 3 working days of receipt by bidder of Contract Agreement	AWARDED BIDDER
14.	Listing of "Other Than First Tier" Subcontractors	Within 10 working days of receipt by bidder of contract forms	AWARDED BIDDER

NOTICE INVITING BIDS

1. **SUMMARY OF WORK:** This is the City of San Diego's (City) solicitation process to acquire Construction services for **Hickman Field Athletic Area**. 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 **\$7,211,000**.
4. **BID DUE DATE AND TIME ARE: DECEMBER 14, 2021 at 2:00 P.M.**
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	8.6%
2. ELBE participation	12.6%
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), demonstrating the Bidder made a good faith effort to conduct outreach to and include SLBE-ELBE Subcontractors as required in this solicitation by 5 PM 3 Working Days after the Bid opening if the overall mandatory participation percentage is not met.

All submittals in searchable PDF shall be submitted electronically within the prescribed time identified in the contract documents via PlanetBids by invitation to the point of contact named in the bid provided by the Contract Specialist to all bidders.

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 plus all the Alternates.
- 8.5.** Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base bid plus one or more alternates.

9. SUBMISSION OF QUESTIONS:

- 9.1.** The Director (or Designee) of the Purchasing & Contracting 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:

CSuarez@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.

10. PHASED FUNDING: For Phased Funding Conditions, see Attachment B.

11. ADDITIVE ALTERNATES:

- 11.1.** The additive alternates have been established to allow the City to compare the cost of specific portions of the Work with the Project's budget and enable the City to make a decision whether to incorporate these portions prior to award. The award will be established as described in the Bid. The City reserves the right to award the Contract for the Base Bid only or for the Base Bid plus one or more Alternates.
- 11.2.** For water pipeline projects, the Plans typically show all cut and plug and connection work to be performed by City Forces. However, Bidders shall refer to Bidding Documents to see if all or part of this work will be performed by the Contractor.

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 online. 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 Purchasing & Contracting 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 6 (CA MUTCD Rev 6) https://dot.ca.gov/programs/safety-programs/camutcd/camutcd-files	2014	PWPI060121-10
NOTE:	*Available online under Engineering Documents and References at: https://www.sandiego.gov/ecp/edocref/ *Electronic updates to the Standard Drawings may also be found in the link above	

- 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 Purchasing & Contracting Department, Public Works 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 5PM, 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 5PM, 3 working days after the 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:
Purchasing & Contracting Department, Public Works 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 herein and in the Notice of Intent to 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:

Blue Pacific Engineering & Construction, Inc., a corporation, as principal, and THE OHIO CASUALTY 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 **Seven Million Nine Hundred Forty Six Thousand Six Hundred Ninety Five Dollars (\$7,946,695.00)** for the faithful performance of the annexed contract, and in the sum of **Seven Million Nine Hundred Forty Six Thousand Six Hundred Ninety Five Dollars (\$7,946,695.00)** 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 shall pay reasonable attorney's fees should suit be brought to enforce the provisions of this bond.

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)

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

By: 

Mara W. Elliott, City Attorney

By: 

Print Name: Cindy Crocker
Acting Deputy Director
Purchasing & Contracting Department

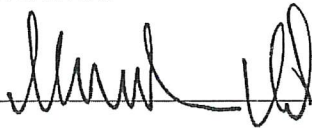
Print Name: Dana Fairchild
Deputy City Attorney

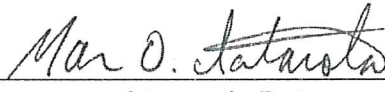
Date: 5/12/2022

Date: 5/17/2022

BLUE PACIFIC
ENGINEERING CONSTRUCTION, INC.
CONTRACTOR

THE OHIO CASUALTY INSURANCE COMPANY
SURETY

By: 

By: 
Attorney-In-Fact

Print Name: SHAHRAM ELIHU, PRESIDENT

Print Name: MARK D. IATAROLA, ATTORNEY-IN-FACT

Date: FEBRUARY 2, 2022

Date: FEBRUARY 2, 2022

17771 COWAN AVENUE, SUITE 100
IRVINE, CA 92614

Local Address of Surety

949/263-3356

Local Phone Number of Surety

\$67,654.00
PREMIUM IS FOR CONTRACT TERM
AND IS SUBJECT TO ADJUSTMENT
BASED ON FINAL CONTRACT PRICE

Premium

024256632

Bond Number

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

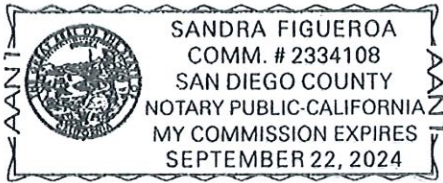
CIVIL CODE § 1189

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 2/2/2022 before me, SANDRA FIGUEROA, 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.



Place Notary Seal and/or Stamp Above

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 [Handwritten Signature]
Signature of Notary Public

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: _____



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: 8205111-024100

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Helen Maloney; John G. Maloney; Mark D. Iatarola; Sandra Figueroa; Tracy Holmes; Tracy Lynn Rodriguez

all of the city of Escondido state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 29th day of March, 2021.



Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: David M. Carey, Assistant Secretary

State of PENNSYLVANIA ss
County of MONTGOMERY

On this 29th day of March, 2021 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2025
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 2ND day of FEBRUARY, 2022.



By: Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** This project provides for the Construction of Hickman Field Athletic Area improvements and these specifications, including, but not limited to, demolition, grading, paving, installation of prefabricated restroom(s) (state approved coach(es), under the same permit number), drinking fountains, sidewalks, driveway improvements, planting, irrigation systems, stormwater drainage improvements, sewer and water improvements, lighting, and electrical improvements, garbage enclosures, fencing and all other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits, and fees. Separate submittal items shall be constructed under the same permit number.
 - 1.1. The Work shall be performed in accordance with:
 - 1.1.1. The Notice Inviting Bids and Plans numbered **40752-01-D** through **40752-103-D**, inclusive.
2. **LOCATION OF WORK:** The location of the Work is as follows:

5300 1/3 Hickman Field Drive, San Diego, CA 92111.
3. **CONTRACT TIME:** The Contract Time for completion of the Work, including the Plant Establishment Period, shall be **330 Working Days**.

ATTACHMENT B
PHASED FUNDING PROVISIONS

PHASED FUNDING PROVISIONS

1. PRE-AWARD

- 1.1. Within 10 Working Days of the Notice of Intent to Award, the Contractor must contact the Project Manager to discuss fund availability for each phase and shall also submit the following:
 - 1.1.1. Construction Cost Loaded Schedule in accordance with 6-1, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK" and 7-3, "PAYMENT."
- 1.2. Contractor's failure to perform any of the following may result cancelling the award of the Contract:
 - 1.2.1. Meeting with the City's Project Manager to discuss the Phased Funding Schedule.
 - 1.2.2. Agreeing to a Phased Funding Schedule within **thirty** days of meeting with the City's Project Manager.

2. POST-AWARD

- 2.1. Do not start any construction activities for the next phase until the Notice to Proceed (NTP) has been issued by the City. The City will issue a separate NTP for each phase.
- 2.2. The City may issue the NTP for a subsequent phase before the completion of the preceding phase.

PHASED FUNDING SCHEDULE AGREEMENT

The particulars left blank below, such as the total number of phases and the amounts assigned to each phase, will be completed with funding specific information from the Pre-Award Schedule and Construction Cost Loaded Schedule submitted to and approved by the City.

BID NUMBER: K-22-1062-DBB-3

CONTRACT OR TASK TITLE: Hickman Field Athletic Area

CONTRACTOR: Blue Pacific Engineering & Construction, Inc.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	All work in the project	@ NTP	Contract Duration	\$7,946,695
2				\$
3				\$
Contract Total				\$7,946,695

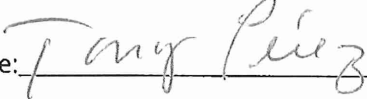
Notes:

- 1) WHITEBOOK section 7-3.10, "Phased Funding Compensation" applies.
- 2) The total of all funding phases shall be equal to the TOTAL BID PRICE as shown on BID SCHEDULE 1 - PRICES.
- 3) This PHASED FUNDING SCHEDULE AGREEMENT will be incorporated into the CONTRACT and shall only be revised by written modifications to the CONTRACT.

CITY OF SAN DIEGO

PRINT NAME: Tony Perez

Construction Senior Engineer

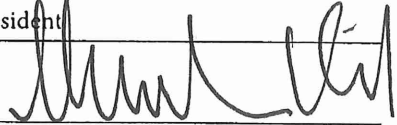
Signature: 

Date: 2/16/2022

CONTRACTOR

PRINT NAME: Shahram Elihu

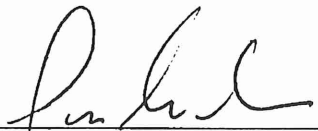
Title: President

Signature: 

Date: 02/21/2022

PRINT NAME: Juliana Grotzinger for Kevin Oliver

Design Project Officer II

Signature: 

Date: 2/2/2022

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 3:30 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 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:

- 2. 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.

3-8.7 Contractor's Quality Control Plan (QCP). To the "WHITEBOOK", ADD the following:

7. The establishment and implementation of a Quality Control Plan (QCP), as defined in the standard specifications, shall be required for this Contract. See example in **Appendix F - Sample Contractor's Daily Quality Control Inspection Report.**

3-8.7.1 QCP Submittal. To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. The QCP shall be organized to address, at a minimum, the following items:
 - a) Quality Control Administrator
 - b) Surface preparation and paving schedule
 - c) Inspection and documentation requirements (Daily Quality Control Inspection Report)
Material quality control testing plan
 - d) Documentation of quality control activities
 - e) Procedures for corrective action when quality control and/or acceptance criteria are not met
 - f) If paving Work will be in areas prone to shade, provide curing time of product

3-8.7.4 Documentation. To the "WHITEBOOK", item 3, section "a", subsection "viii", DELETE in its entirety and SUBSTITUTE with the following:

- viii. Documentation that the following have been verified to be in compliance:
 - Proper storage of materials and equipment.
 - Proper operation of all equipment.
 - Adherence to plans and technical specifications.
 - Review of quality control tests.
 - Safety inspection.
 - Mixing properties of products against the approved submittal limits.

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 Investigation – Hickman Field Phase I, prepared by Geocon Incorporated, dated December 5, 2016.

- b) Hydrology Study, prepared by Nasland Engineering, dated August 21, 2019.
- c) Storm Water Quality Management Plans (SWQMP), prepared by Nasland Engineering, dated August 25, 2020.

6. The reports listed above are available for review at the following link:

[1962 Technical Reports - Hickman Fields - Google Drive](#)

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 (via City Consultant Surveyor)”.
- 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 (via City Consultant Surveyor).

- 1. Monument Perpetuation, including mark-outs, will be performed by the City Architectural Engineering & Parks Division’s (AEP) Consultant Surveyor , , unless otherwise noted. 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 Surveyor, 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 or a City consultant surveyor:
 - 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.

3-12.7 Drinking Water Discharges Requirements. To the "WHITEBOOK", ADD the following:

1. You shall record the results for each discharge event on the City's Drinking Water Discharge Monitoring form included as **Appendix G - Monthly Drinking Water Discharge Monitoring Form.**

3-12.8.8 Payment. To the "WHITEBOOK", item 3, ADD the following:

- a) Submit supporting invoices and a Schedule of Values for the Lump Sum Bid item that includes "Dewatering Hazardous Contaminated Water" in accordance with 7-2.1, "Schedule of Values (SOV)". The SOV shall itemize the Work to show the following:
 - i. All costs associated with handling contaminated groundwater specified in 3-12.8.6, "Dewatering System", and 3-12.8.7, "Hazardous Waste Operations and Emergency Response (HAZWOPER) Certificate".
 - ii. All costs associated with equipment used for dewatering hazardous contaminated groundwater, including costs for mobilization and demobilization.
 - iii. All rental and operating costs for equipment used for dewatering contaminated groundwater.

ADD the following:

6. The payment for Hazardous Waste Operations and Emergency Response (HAZWOPER) certification and training for construction staff and City RE shall be paid in the total lump sum project 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) If the Work includes installing an irrigation system, 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 any 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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 warrantied 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
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) Welding
 - b) Prefabricated restroom
 - c) Concrete work 3000 psi or greater

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/publicworks/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 "GREENBOOK", paragraph (1), sentence (1), DELETE in its entirety and SUBSTITUTE with the following:

After notification of award of the Contract and prior to the start of any Work, you shall submit your proposed Cost Loaded Construction Schedule to the Engineer at the pre-construction meeting.

To the "WHITEBOOK", item 1, subsection "e", "h", 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.
- h) Your Schedule shall include 7 Working Days for the Engineer to schedule and conduct a Walk-through inspection and 15 Working Days for the generation of the Punchlist. You shall Work diligently to complete all Punchlist items within 30 Working Days after the Engineer provides the Punchlist.
- 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/publicworks/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".

6-1.1.2 Contracts More Than \$500,000 In Value. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Provide the Schedule to the Engineer in accordance with 6-1.1, "Construction Schedule" and 6-1.2, "Commencement of the Work".

To the "WHITEBOOK", item 2, DELETE in its entirety.

6-1.2 Commencement of the Work. To the "WHITEBOOK", ADD the following:

5. You shall submit a Cost Loaded Construction Schedule in accordance with 6-1.1, "Construction Schedule" at the scheduled pre-construction meeting.
6. If a Cost Loaded Construction Schedule is not provided, the pre-construction meeting will still be held. The Contract Time shall commence at issuance of the NTP, but you shall be limited to the following activities until the Cost Loaded Construction Schedule has been submitted to the Resident Engineer with no exceptions taken:
 - a) Mobilization of your trailers, associated utility setup, and grading for trailer area
 - b) Permit Procurement
 - c) Fencing and temporary utilities for your storage areas
 - d) Submittal of anticipated critical path submittals

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.

6-2.1 Moratoriums. To the “WHITEBOOK”, ADD the following:

3. Do not Work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are listed below:
 - a) Hickman Youth Athletic Association Activities (TBD)

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 **Hickman Field Athletic Area**, Project No. **WBS S-00751**, as referenced in the Contract 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 Hickman Field Athletic Area**" shall include the construction of Hickman Field Athletic Area per Plans numbered 40752-01-D through 40752-103-D, inclusive, and these specifications, including but not limited to demolition, grading, paving,

installation of prefabricated restroom(s) (state approved coach(es), under the same permit number), drinking fountains, sidewalk, driveway improvements, planting, irrigation systems, stormwater drainage improvements, sewer and water improvements, lighting, and electrical improvements, garbage enclosures and all other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits, and fees. Separate submittal items shall be constructed under the same permit no.

4. The Lump Sum Bid item for “ **Construction of Additive Alternate 1 Northwest Area**”, per Plans numbered 40752-01-D through 40752-103-D, inclusive (see Additive Alternate Key Map on 40752-2-D for specific sheet numbers associated with this Additive Alternate), and these specifications, including but not limited to demolition, grading, paving, sidewalks, driveway improvements, planting, irrigation, drainage, lighting, garbage enclosure and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees.
5. The Lump Sum Bid item for “**Construction of Additive Alternate 2, East Restroom and South Lot**”, per Plans numbered 40752-01-D through 40752-103-D, inclusive (see Additive Alternate Key Map on 40752-2-D for specific sheet numbers associated with this Additive Alternate), and these specifications, including but not limited to demolition, grading, paving, installation of prefabricated restroom (state approved coach, under the same permit number), drinking fountain, sidewalk, planting, irrigation, drainage, sewer and water improvements, lighting and electrical improvements and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees.
6. The Lump Sum Bid item for “**Construction of Alternate 3, Restroom with Concession Prefabricated Building**”, per Plans numbered 40752-01-D through 40752-103-D, inclusive (see Additive Alternate Key Map on 40752-2-D for specific sheet numbers associated with this Additive Alternate), and these specifications, including but not limited to demolition, grading, paving, installation of prefabricated restroom with concession (state approved coach, under the same permit number), drinking fountain, sidewalk, planting, irrigation, drainage improvements, sewer and water improvements, lighting and electrical improvements and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees.
7. The Lump Sum Bid item for “**Construction of Alternate 4**”, per Plans numbered 40752-01-D through 40752-103-D, inclusive (see Additive Alternate Key Map on 40752-2-D for specific sheet numbers associated with this Additive Alternate), and these specifications, including but not limited to demolition, grading, paving, sidewalk, driveway improvements, planting, irrigation, drainage improvements, lighting and electrical improvements, garbage enclosure and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees.

7-3.2

Partial and Final Payment. 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.

7-3.11 Compensation Adjustments for Price Index Fluctuations. To the "WHITEBOOK", ADD the following:

5. This Contract **is not** subject to the provisions of the "WHITEBOOK" for Compensation Adjustments for Price Index Fluctuations for paving asphalt.

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 than 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 and meet the requirements of Greenbook and Whitebook Sections 200-1 "Rock Products" and Section 200-2 "Untreated Base Materials" for approval by the City. 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.

200-1.2.1 General. To the "GREENBOOK", ADD the following:

Rock for top-seeded rock area as shown on plan, shall comply with the following:

Product: Mesa Buff
Manufacturer: KRC Rock, or approved equal
800-572-7625
<https://www.krcrock.com/>

Thickness: As indicated on the plans.

Nominal Size: 6" – 9" Diameter
 Color Range: Mixes of grays, tans and soft reds.
 Sample: 1/8 Cubic Yard, See **Section 200-1.1 "General"**.

SECTION 201 – CONCRETE, MORTAR AND RELATED MATERIALS

201-1.1.2 Concrete Specified by Class and Alternate Class, Table 201-1.1.2 subsection Street Surface Improvements. DELETE in its entirety and SUBSTITUTE with the following:

Types of Construction	Concrete Class U.S. Standard Measures	Alternate Class U.S. Standard Measures	Maximum Slump Inches (With Certified Truck Ticket)
Street Surface Improvements			
Concrete Paving (not integral with curb)	560-C-3250	N/A	4
Concrete Sidewalk and Curb	560-C-3250	N/A	4
Concrete Street Section	560-C-3250	N/A	3
Concrete Mow Curb	560-C-3250	N/A	4
Concrete Footings	560-C-3250	N/A	4 -
Concrete Base	520-C-2500	N/A	4
Curb, Integral Curb and Pavement, Gutter, Walk, Alley Aprons	520-C-2500	494-CFW-2500	4
Curb, Integral Curb and Pavement, Gutter, Walk, Alley Aprons	520-C-2500P 1	494-CFW-2500P 1	4
Extruded Curb, Curb and Gutter 8	520-C-2500	494-CFW-2500	2
	520-D-2500	494-DFW-2500	2

201-1.1.3 Concrete Specified by Special Exposure. To the “GREENBOOK” ADD the following:

The concrete foundation for the Prefabricated Restroom shall be a Type V Moderate Exposure Mix with a measurement of 658-CME-4500P **per Table 201-1.1.3** of the Greenbook. Install per **Section 303-1.2 “Subgrade for Concrete Structures”**.

ADD:

201-1.2.7 Concrete Sealers.

Concrete Sealer shall conform to the following specifications:

Product: Cement one Clear Sealer, or approved equal

Manufacturer: L. M. Scofield Company

1-800-800-9900

www.scofield.com

When to Apply: After concrete has FULLY cured, in 28 days.

Surface Preparation: Power wash clean of compounds, oil, and debris. Allow surfaces to DRY completely.

Spray Applicator

Guidelines: Airless Spray: 1500-2500 psi with 0.013-0.015-inch fan tip.

HVLP Spray: 5-40 psi with 1.3-1.5mm tip.

Dried Color: Clear gloss

Coating: Uniform

Coverage: (First Coat) 300-400 Sq. Ft/Gal.

(Second Coat) 600-800 Sq. Ft/Gal.

VOC Content: Meet ASTM C 309 Requirements

< 100g/L (0.82./gal.)

Second Coat: Per manufacturer recommendations.

Drying Time: Min. 12 hrs. foot traffic, 72 hrs. hard wheel traffic

Temperature: Apply above 45°F, Store from 45°F - 120°F

Shelf Life: 2 Year, Opened 1 month

Concrete Sealer shall be designed for application on interior/ exterior natural concrete and integral colored concrete of variable architectural finishes. Sealer shall be suitable for freshly placed (CIP or PIP) or existing concrete with little to no alteration of concrete color. When dry, sealed surface shall resist staining from other construction materials and common food products. Sealer shall be slip resistant.

A brushed, rolled or sprayed method of application shall leave the finish surface with adequate wet and dry slip resistance. The method of application shall be approved by the City.

Sealer shall leave no visible material between the concrete surface and sealer. The sealer shall be absorbed and locked into the pores surfaces and installed per manufacturer's directions.

Contractor shall prepare concrete paving surfaces per manufacturer's product data bulletin, paragraph 12 'Preparation' requirements.

Contractor shall apply sealer per manufacturer's product data bulletin, paragraph 13 'Application' requirements.

Sealer shall be applied to half of all concrete mockups 28 days after curing time for review of performance and adherence to finishes.

ADD:

201-1.2.8 Surface Retarder.

For non-slip finished 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
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.

201-2.2.1 Reinforcing Steel. To the "GREENBOOK", ADD the following:

Epoxy Coated Reinforcing Bars shall meet ASTM A934 Standard Specification for Epoxy Coated Reinforcing Bars for Oceans and Other Severer Environments. Epoxy Powder shall also meet ASTM A884, ASTM A775, ASTM A1078, ASTM D3963, AASHTO M284, and AASHTO M254, except flexibility.

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.

201-3.4 Type "A" Sealant (Two-Part Polyurethane Sealant). To the "GREENBOOK", ADD the following:

All finished concrete surfaces shall have ½" continuous expansion joints at the locations indicated on the plans. Sealants shall be installed to maintain a continuous watertight seal over the expansion joint material without causing straining or deterioration of the material. Joint sealants, joint fillers and other related materials shall be compatible with one another. Sidewalk expansion joints shall be located either parallel or perpendicular to the curb line. When not otherwise indicated, expansion joints located adjacent to colored or stained concrete shall be Type "A" Sealant colored to match the color of the concrete surface.

Contractor shall submit product data from the manufacturer of each joint sealant product required, including instructions for joint preparation and joint sealer application. For initial selection purposes, the Contractor shall submit samples of the manufacturer's standard bead samples consisting of strips of actual products showing the full range of colors available for each product exposed to view. Samples shall be submitted to the Engineer. For each sealant submit a complete schedule of the type and location where type is to be used.

SECTION 202 – MASONRY MATERIALS

202-2.2 Masonry Units. To the "GREENBOOK", ADD the following:

Concrete masonry units shall be 8x8x16 standard block units with caps to match for Trash Enclosures.

Type: per Section 202-2 'Concrete Block'.

Style: Burnished Block – Otay Brown MW

Manufacturer: ORCO Block

Finish: Anti-graffiti coater per **Spec. Section 210-1.**

202-3.2.3 Ready Mixed Grout. To the "GREENBOOK", ADD the following:

d) Grout color shall match the block color for trash enclosures. Contractor shall submit a range of tan grout color samples (two lighter and two darker than block color) for review and approval.

e) Precast concrete cap shall match precast concrete block. Contractor shall submit a range of tan grout color samples (two lighter and two darker than block color) for review and approval.

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 City.

206-6 CHAIN LINK FENCE. To the “GREENBOOK”, ADD the following:

206-6.1 General. To the “GREENBOOK”, ADD the following:

All chain link fence steel framing parts shall be galvanized, and vinyl coated to match fabric color.

206-6.3 Chain Link Fabric. To the “GREENBOOK,” ADD the following:

All chain link fabric shall be galvanized, and vinyl coated (Green) per the standard specifications.

206-6.6 Fittings. To the “GREENBOOK”, DELETE sentence one (1) and SUBSTITUTE with the following:

All required fittings and hardware shall be galvanized, and vinyl coated to match vinyl -coated fencing fabric.

206-6.8 Repair of Damaged Coatings. To the “GREENBOOK,” DELETE in its entirety and SUBSTITUTE with the following:

All welds made after galvanizing shall be ground smooth and wire brushed to remove loose or burned zinc coating, after which the cleaned areas shall be prepared and neatly coated with 50-50 solder or as prescribed in 210-3.5 All galvanized coating on any fence framing and fabric materials of fittings which have been abraded, stripped, gouged, nicked, or otherwise damaged in a manner which exposes the galvanized steel or other materials beneath the galvanized coating, shall be treated with zinc galvanizing compound, or shall be removed and replaced with new materials at the Contractor’s expense as directed by the Resident Engineer.

ADD:

206-8 ACCESSIBLE SIGNAGE.

206-8.1 General.

Signs shall be fabricated in conformance with the **SDM-117** standards for accessible parking signs and with the City of San Diego standards for signs. Signpost shall be fabricated in conformance with **SDM-104**.

In the event **SDM-117** does not illustrate sign mounting details, refer to San Diego Regional Standard Drawing **M-45** for installation. Signs shall include:

- a) Accessible Parking with Minimum Fine Sign
- b) Tow Away Sign

SECTION 210 - PAINT AND PROTECTIVE COATINGS

210-1.1.1 Anti-Graffiti Coating. To the "WHITEBOOK", ADD the following:

- 3) Third and Fourth coat shall be Item 5600, matte finish. Install **per SECTION 310-6, "Anti-Graffiti Coating Installation."**

210-3.1 General. 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 shiny 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 Landscape Architect. Zinc Dust Paint shall conform to the following specifications:

Product:	Galvanized Coatings OE SHINY GALV #16-842 or approved equal.
Manufacturer:	Seymour of Sycamore 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.

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:

Trash Enclosures Gates, frames, and components:

Series/ Color:	Color to be determined (to match CMU block), or approved equal
Manufacturer:	TIGER Drylac U.S.A. Powder Coatings (909) 930-9111 www.tiger-coatings.us
Finish:	Satin
Gloss Level:	30 +/- 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 217 – BEDDING AND BACKFILLED MATERIALS

217-2.1 General. Table 217-2.1, To the “GREENBOOK” DELETE in its entirety and SUBSTITUTE with the following:

TABLE 217-2.1

Zone	Zone Limits	Maximum Size (greatest dimension)	Backfill Requirements in Addition to 217-2.1
Street or Surface Zone	From ground surface to 12” (300 mm) below pavement subgrade or ground surface	2.5” (63 mm)	As required by the Plans or Special Provisions.
Street or Surface Zone		Sand	Sand equivalent of not less than 30.

Zone	Zone Limits	Maximum Size (greatest dimension)	Backfill Requirements in Addition to 217-2.1
Backfill of Tunnels beneath Concrete Flatwork			
Trench Zone	From 12" (300 mm) below pavement subgrade or ground surface to 12" (300 mm) above top of pipe or box	6" (150 mm)	
Deep Trench Zone (Trenches 3' (0.9 m) wide or wider)	From 60" (1.5 m) below finished surface to 12" (300 mm) above top of pipe or box	Rocks up to 12" (300 mm) excavated from trench may be placed as backfill	
Pipe Zone	From 12" (300 mm) above top of pipe or box to 6" (150 mm) below bottom of pipe or box exterior	2.5" (63 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour).
Over excavation	Backfill more than 6" (150 mm) below bottom of pipe or box exterior	6" (150 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour). Trench backfill slurry (100-E-100) per 201-1 may also be used.

SECTION 218 - DETECTABLE WARNING TILES (DWT)

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

- c) Detectable warning surfaces shall be yellow conforming to FS 33538 of Federal Standard 595C. (Sec.11B-705.3)
- d) 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)

ADD:

SECTION 219 – SITE FURNISHINGS 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.

Model #: QSSC2651SDW

Description: Precast concrete square trash receptacle with concrete top, locking steel side door with hinges, 40-gallon plastic liner and key. (Q30SD, QSPL28B, SDKEY, ZSDCABLK-R, H-9381)

Integral Color: Latte

Finish: Top – Smooth

Body – Acid Etch

Door: Brown

No. of units: (6)

Concrete mix: Standard (SRC)

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.

Model #: QSSC2651SDW

Description: Precast concrete square recycle receptacle with concrete top, locking steel side door with hinges, 40-gallon plastic liner and key. (Q30SD/BL, QSPL28B, SDKEY, ZSDCABLK-R, H-9381)

Integral Color: Latte

Finish: Top – Smooth
Body – Acid Etch

Logo Paint: QC Std Blue

Door: Brown

No. of units: (6)

Concrete mix: Standard (SRC)

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 #: QLMR72PT

Description: Single mold precast concrete rectangular picnic table.

Integral Color: Bungalow

Finish: Light Sand Blast

No. of units: (2)

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 #: QLMR102PTADA

Description: Single mold precast concrete rectangular picnic table with accessible pull up spaces.

Integral Color: Bungalow

Finish: Light Sand Blast

No. of units: (2)

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 PERMANENT DECORATIVE BOLLARD (ADDITIVE ALTERNATE #3)

Product: Permanent precast concrete bollard.

Model #: QR-8B

Description: 12"x30" Precast concrete round bollard with tapered sides

Integral Color: Latte

Finish: Body – Acid Etch

No. of units: (15)

Concrete mix: Standard (SRC)

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

Attachment: Dowels & Epoxy surface mounted.

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

219-1.4 Bike Rack.

Bike rack shall be 87" in length from end post to end post with undulating style loops bent from a continuous 2-3/8" OD SCH40 galvanized standard pipe. There shall be 7 loops bends to rack a maximum of 9 bicycles. Length of end post shall be long enough to accommodate the depth requirements as illustrated on the plans. Install **per Section 319 "Site Furnishings Installation"** Bike rack shall be:

Model No.: WLBR-9 or approved equivalent.
Finish: Galvanized
No. of units: (3)
Attachment: Post embedment mounted into CIP concrete footing
Manufacturer: LA Steel craft Products Inc. (626) 798-7401
1975 Lincoln Ave
Pasadena, CA 91103
www.lasteelcraft.com

219-1.5 Benches.

219-1.5.1 4' Precast Concrete Bench with No Back

Product: 4' Long Custom Bench with Installed Skate Deterrents
Model #: Q-MARCO48B
QC File#: 116350-2
Description: Single mold precast rectangular concrete bench with no back and installed skate deterrents. (1) Skate deterrent shall be installed at the center of each 4' long side, total of (2) deterrents.
Integral Color: Slate Grey

Finish: Top – Polished Top
Body – Acid Etch Finish

No. of units: (8)

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

Skate Deterrent: Los Angeles T for 1/8” Radius (cast in each precast unit)

Description: Insert Series (Bronze)

Manufacturer: Skate Stoppers, Intellicept.
1547 N. Cuyamaca
El Cajon, CA 92020
619-447-6374
www.skatestoppers.com

Material: Silicon Bronze, 94% copper, 4% silicon

Finish: Silicon Bronze, Brown Patina with Satin Coat

Recycled Content: 75% minimum

219-1.5.2 8’ Precast Concrete Bench with No Back

Product: 8’ Long Custom Bench with Installed Skate Deterrents

Model #: Q-MARCO96B

QC File#: 116350-2

Description: Single mold precast rectangular concrete bench with no back and installed skate deterrents. (2) Skate deterrents shall be installed at even interval spacing of each 8’ long side, total of (4) deterrents.

Integral Color: Slate Grey

Finish: Top – Polished Top
Body – Acid Etch finish

No. of units: (5)

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

Skate Deterrent: Los Angeles T for 1/8" Radius (cast in each precast unit)

Description: Insert Series (Bronze)

Manufacturer: Skate Stoppers, Intelliccept.
 1547 N. Cuyamaca
 El Cajon, CA 92020
 619-447-6374
www.skatestoppers.com

Material: Silicon Bronze, 94% copper, 4% silicon

Finish: Silicon Bronze, Brown Patina with Satin Coat

Recycled Content: 75% minimum

219-1.6 Entry Monument.

Custom Precast Concrete Entry Monument

Product: Curved Custom Entry Monument Sign with Bronze City Logo

QC File #: Custom (per Detail D/L-5)

Description: Curved Custom precast concrete entry monument etched/ painted lettering and a bronze City of San Diego Logo place in knockout. Sign curves toward sign face with 1 large radius. Sign top is defined by a reverse curve. Sign body is defined by a continuous etch offset evenly from the reverse curve on all four side faces. Finish 1 and finish 2 are separated by the continuous etch and occur on all four side faces. Entry monument shall be attached with inset coil rods to a continuous concrete footing.

Integral Color: Slate Gray

Finish: Finish 1 (Top) – Acid Etch

Finish 2 (Bottom) – Heavy Sand Blast; Etch Depth: 1/2"

Knockout Dia: Per Current City of San Diego Regulations.

Lettering Font: Merriweather Bold

Letter Colors: Beige (painted)

Line 1: "HAWK POCKET PARK" 6 inches tall in all capital letters.

Line 2: "CITY OF SAN DIEGO PARK AND RECREATION DEPARTMENT" 3" tall in all capital letters.

No. of units: (1)

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

Attachment: (10) Coil Rods – epoxy in place

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

219-1.8 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 equivalent.

Finish: Green powder coat 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
P.O. Box 460547
Denver, CO 80246
www.petpickups.com

219-2 PREFABRICATED RESTROOM BUILDING.

219-2.1 General.

The prefabricated restroom building shall conform to the following specifications:

Project Name: Hickman Field Park

Building Type: Restroom

Manufacturer: Public Restroom Company, or approved equal
(888) 888-2060 ext. 109
Chad Kaufman, President
www.publicrestroomcompany.com
2587 Business Parkway
Minden, NV 89423

Paint Schedule:	Component	Exterior PPG (Pittsburgh Paint) Color
	Rake & Fascia	Earl Gray PPG 1020-5
	Soffits	Earl Gray PPG 1020-5
	Exposed Top Plate	Earl Gray PPG 1020-5
	Steel Truss	Earl Gray PPG 1020-5
	Steel Post/ Column	Earl Gray PPG 1020-5
	Exterior CMU Courses	Sourdough PPG 1084-3
	H.M. Door & Frames	Sourdough PPG 1084-3
	Interior Walls & Ceiling	Sourdough PPG 1084-3

Roof Schedule: PVDF Kynar 500 – Ocean Blue (35)
ASTM C 1549 - Solar Reflectance – 0.32
ASTM C 1371 – Thermal Emittance – 0.86
ASTM E 1980 – Solar Reflectance Index – 33
Slope > 2:12, Energy Star, CRRC, LEED

Installation: **Per SSP Section 319-2.**

The prefabricated restroom shall have non-absorbent interior concrete slab (not a part of building pad/ foundation); anti-microbial components to reduce health risks; incorporate built in vandal resistance design and have lowered maintenance and long-term warranties.

219-2.2 “Or Equal” Submittals for Prefabricated Restroom Subcontractors.

Submittals for “or equal” approval shall be submitted in accordance with **section 4-1.6 “Trade Names or Equals”**. Bid submittals shall include the following:

- a) Scaled floor plans and elevations, to show general architectural design criteria is met.
- b) A written list of each and every deviation from the published bid specifications/plans. Lack of specificity to each deviation from the bid specifications shall be cause for rejection.

- c) Manufacturer's certification of test compliance from a national independent testing laboratory (within the past year) to support the claim for absorption resistance of the slab type that will be used in their proposed restroom. The written report shall state the concrete compressive strength (minimum of 7,000 PSI) and absorption resistance (not greater than 3%) per ASTM standard #C39 and #C642, respectively.
- d) A list of 3 buildings they designed and built within the last 5 years utilizing the same building materials/systems and design criteria in the City of San Diego as published in this bid. Provide date of building bid, date of completion, and most knowledgeable owner contact.
- e) Or equal applicant shall provide certification of the special insurances required in this bid.
- f) Or Equal applicant shall be responsible for and to bear all cost for architecture, plan checks, design and structural engineering and all fees in obtaining approvals and permits from applicable agencies.

219-2.3 General.

The City's surveyor for this project is responsible for the site survey and staking the building locations, finished slab survey elevations and marking on site. The contractor is responsible for construction and compaction of the required building pads; access to the site for a large crane and tractor trailers delivering the prefabricated building; providing water, sewer, and power at a point of connection (POC) within 6 feet of the building and at the depth required by the building subcontractor and local code; and the installation of any sidewalks outside the building footprint.

The Contractor is responsible for verification to the prefabricated restroom subcontractor that there are no unanticipated site delivery issues such as overhead wires, trees, tree roots, or existing grade changes and that prevent a clear path of travel between a roadway and the final site exists for a tractor trailer and crane to expedite delivery. The subcontractor requires that the Contractor certify that the required delivery crane shall be able to set the building modules within 35' distance from the center of the building to the center of the crane hoist.

PREFABRICATED RESTROOM SUBCONTRACTOR

The prefabricated restroom building specialist will provide to the Contractor final building design architectural drawings and engineering calculations under the responsibility of a licensed structural engineer, in compliance with all local, state and federal codes. The subcontractor shall construct the building offsite as a permanently relocatable building, transport it to the final required destination, and install the building turnkey, on a Contractor prepared building pad/ foundation per the drawings included in this bid.

219-2.4 Shipping Protection.

During transport to the project site the prefabricated restroom may encounter inclement weather or road grime that could require substantial cleaning if the building is insufficiently prepared for transport. The building shall be shrink-wrapped, boxed, or other adequate protection as determined by the Contractor before transportation

and sufficiently strong to arrive at the owner's site intact with exterior finish protection. Materials removed on site shall be disposed of and recycled by restroom building installation staff.

219-2.5 Insurance for Building Offsite, While in Transit, and / or On Site Until Turn Over and Final Acceptance.

The subcontractor may request invoicing for a percentage of building completion in-plant, monthly. Under UCC law, this means that the subcontractor is turning over responsibility for the portion invoiced to the owner, yet the building will not be on the owner's property and may not be covered by the owner's insurance. Therefore, the building subcontractor must provide a separate insurance policy insuring the owner and general contractor as additionally insured for liability, damage and/or vandalism to the building while in the manufacturing facility, while in transit, and/or while in storage at a certified bonded storage facility or at the final project site for up to \$200,000 for each prefabricated building module, until the building is final accepted by owner.

219-2.6 Warranty and Certification.

a) FOUNDATION AND GENERAL WARRANTY

The prefabricated structure in this bid is an offsite constructed "product" and not "typical" general construction.

The installation of the product on site is general construction, which must be coordinated between the general contractor and the subcontractor. Specifications for the building foundation/pad shall be provided herein by the specified design/build subcontractor. Due to the responsibility of the specified prefabricated restroom subcontractor for architecture, engineering and a five-year warranty, the site pad/foundation shall meet the subcontractor's design so the pad and building can be considered from a single source for warranty purposes. The subcontractor shall accept the pad and compactions tests before they take responsibility for the entire system under their warranty.

b) CONCRETE SLAB REQUIRED INDEPENDENT TESTING LABORATORY CERTIFICATION.

The prefabricated building slabs special concrete technology claims to be water and urine resistant for life due to special additive technology. The building subcontractor must furnish a test certification of compliance from a national independent testing laboratory to support the claim for absorption resistance. The written report must state the concrete compressive strength (minimum of 7,000 PSI) and absorption resistance (not greater than 3%) per ASTM standard #C642 and #C39 respectively. Since this non-absorbency capability is so significant, the design/build subcontractor must provide a general certification of compliance. C) CERTIFICATE OF OFF-SITE INSPECTION AND CONSTRUCTION COMPLIANCE, PROVISION FOR MAINTENANCE MANUALS, AND WARRANTY.

The off-site restroom construction requires that a licensed third-party inspection firm provide to the Registered Engineer and the local building

official with certification and compliance for the building with the approved plans and specifications. A certificate of compliance shall be issued by this inspector to the local building official to provide certification that the building meet and or exceed the approved plans and applicable codes.

At the project conclusion, the building subcontractor shall furnish two sets of complete maintenance manuals including a trouble shooting guide, location of manufacturers of key components for replacement parts together with final as-built plans, and a five (5) year warranty to the owner.

219-3 RESTROOM / CONCESSION BUILDING (ADDITIVE ALTERNATE #3).

219-3.1 General.

The prefabricated restroom / concession building shall conform to the specification section 219-3 and the following specifications:

Project Reference Name: Hickman Field Park

Building Type: Restroom Concession

Manufacturer: Public Restroom Company, or approved equal
(888) 888-2060
www.publicrestroomcompany.com
2587 Business Parkway
Minden, NV 89423

Paint Schedule:	<u>Component</u>	<u>Exterior PPG (Pittsburgh Paint) Color</u>
	Rake & Fascia	Earl Gray PPG 1020-5
	Soffits	Earl Gray PPG 1020-5
	Exposed Top Plate	Earl Gray PPG 1020-5
	Steel Truss	Earl Gray PPG 1020-5
	Steel Post/ Column	Earl Gray PPG 1020-5
	Exterior CMU Courses	Sourdough PPG 1084-3
	H.M. Door & Frames	Sourdough PPG 1084-3
	Interior Walls & Ceiling	Sourdough PPG 1084-3

Roof Schedule: PVDF Kynar 500 – Ocean Blue (35)
ASTM C 1549 - Solar Reflectance – 0.32

ASTM C 1371 – Thermal Emittance – 0.86
ASTM E 1980 – Solar Reflectance Index – 33
Slope > 2:12, Energy Star, CRRC, LEED

Installation: **Per SSP Section 319-2 and 319-3.**

219.4 TRASH ENCLOSURE OVERHEAD STRUCTURE (PREFABRICATED).

219-4.1 General.

The trash enclosure overhead structure shall conform to the specification to the following specifications:

Project Name: Hickman Field Park
Structure Model No: MP12.75x18-10M-P1
Manufacturer: Icon Shelters, or approved equal
www.iconsshelters.com
Unique Recreation, Inc.
Chad Barry
(951) 541-8380
1804 Garnet Avenue #478
San Diego, CA 92109

Paint Schedule

Component: Powder coat Finish Color
Metal Framework: 'Almond '
Roof Schedule: PVDF Kynar 500 – 'Roman Blue '
Units: (2); Add Alt #1: (1); Add Alt #4: (1)
Installation: **Per SSP Section 319-4.**

SECTION 300 – EARTHWORK

300-1.1 General. To the "WHITEBOOK", ADD the following:

10. Prior to submittal of a Bid for this Work, the Contractor shall inspect the project site to verify the magnitude and cost of all clearing and grubbing required to accomplish this Work. Clearing and grubbing shall also include the removal and disposal of all miscellaneous materials: Buried pavements and other materials, old subsurface pavements and other materials encountered under

existing pavements, which are within designated excavation areas on the plans.

The work includes demolition and removal (unclassified demolition) of all materials and facilities indicated or specified. Do not begin demolition until authorization is received from the Engineer. Remove rubbish and debris daily, unless otherwise directed. Store materials that cannot be removed daily in areas approved by the Engineer.

Clearing and grubbing shall include the removal, relocation, adjusting, or salvaging of all facilities so indicated on the plans.

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.
- g. Provide a continuous pedestrian and vehicular access within the project area, and as directed by the Engineer.
- h. Saw cutting of concrete and asphalt concrete at joints and construction limits.
- i. Protection of existing improvements designated to remain in place. Contractor shall be responsible for replacement of any improvements damaged during clearing and grubbing or construction activities at no additional cost.
- j. Clearing and grubbing shall also include saw cutting, demolition, removal, and disposal of all existing improvements or otherwise required to perform the work, or as directed by the Resident Engineer
- k. Items which are to remain or are to be salvaged and which are damaged during performance of work shall be repaired to their

original condition or replaced with new by the Contractor at no additional cost to Owner. The Contractor shall protect all services and utilities which are to remain. Where removal of existing utilities and pavement is specified or indicated, provide approved barricades, temporary covering of exposed areas, and temporary services or connections for electrical utilities.

- l. Buried pavements and other materials, old subsurface pavements and other materials such as concrete planters, and other materials encountered under existing pavements, which are within designated excavation areas on the demolition plans shall be removed.
- m. The Contractor shall take appropriate action to check the spread of dust to avoid the creation of a nuisance in the surrounding area. Do not use water if it results in hazardous or objectionable conditions, such as flooding, or pollution. Comply with all dust regulations imposed by local air pollution agencies.

300-2 UNCLASSIFIED EXCAVATION.

300-2.1 General. To the "GREENBOOK", ADD the following:

In general, the on-site soils are suitable for reuse as fill if free from vegetation, debris, and other deleterious matter.

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 City.

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.

Payment for Unclassified Excavation shall be included in the lump sum price and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, 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.

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

The suitability of unclassified excavation as fill material shall be in accordance with the Geotechnical Report and prescribed recommendations found therein. Unclassified fill material shall be free of deleterious material.

ADD:

300-12 SOILS REPORT CONCLUSIONS AND REQUIREMENTS.

300-12.1 General.

Finish grades shall be measured at the top surface of materials. The Contractor shall calculate required subgrade elevations based on surface material thickness.

The Contractor shall take every precaution to protect and avoid damage to underground utilities during his grading and conditioning operations.

The Contractor shall coordinate all drainage work with all other trades. Established site drainage shall be maintained by the Contractor during all phases of construction.

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.

Final grades shall be acceptable to the Resident Engineer. Grading operations shall conform with the Geotechnical Report.

- 1) No soil or geologic conditions were encountered during our study that would preclude construction of the proposed improvements, provided these requirements herein are followed.
- 2) The field investigation indicates that the site is underlain by approximately 2-feet to greater than 7-feet of undocumented fill overlying the old terrace deposits and the Friars Formation. Remedial grading of the upper portions of the undocumented fill will be required in areas to receive structural fill or settlement-sensitive improvements.
- 3) Groundwater was not encountered at the time of the soil's investigation. No subdrains will be required on the project with the exception of retaining wall subdrains (if any).

300-12.2 Soil and Excavation Characteristics.

- 1) Onsite soils can be excavated with moderate to heavy effort using conventional heavy-duty grading equipment.
- 2) The soil encountered in the field investigation are considered to be 'non-expansive' (expansion index [EI] of 20 or less) and 'expansive' (EI greater than 20) as defined by 2016 California Building Code (CBC) Section 1802.5.3 'Soil Classification Based on Soil Expansion Index' Table presents soil classifications based on the Expansion Index. The majority of on-site soils possess a low expansion potential (EI of 50 or less). The clayey soil encountered in Boring B-8 is expected to have a high expansion potential.

SOIL CLASSIFICATION BASED ON SOIL EXPANSION INDEX

Expansion Index (EI)	Expansion Classification	2016 UBC Expansion Classification
0-20	Very Low	Non-expansive
21-50	Low	Expansive
51-90	Medium	Expansive
91-130	High	Expansive
>130	Very High	Expansive

- 3) Laboratory tests were performed on soil samples to evaluate the percentage of water-soluble sulfate content. Results from the laboratory water-soluble sulfate content tests, presented in Appendix B, indicate the onsite materials at the locations tested possess 'not applicable' and 'moderate' sulfate exposure to concrete structures as defined by 2016 CBC Section 1904 and ACI 318-11 Sections 4.2 and 4.3. The table below presents a summary of concrete requirements set forth by 2016 CBC and ACI 318. We recommend ACI guidelines be followed in determining the type and strength of concrete to be used on the project. The presence of water-soluble sulfates is not a visually discernible characteristic; therefore, other soil samples from the site could yield different concentrations. Additionally, over time landscaping activities (i.e., addition of fertilizers and other soil nutrients) may affect the concentration.

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'. All earthwork shall be observed, and all fill tested for proper compaction by Geocon Incorporated.
- 2) Prior to commencing grading, a pre-construction conference shall be held at the site with the grading and underground contractor, civil engineer, geotechnical engineer, City of San Diego personnel, and representatives from Estrada Land Planning in attendance. Special soil handling and/or grading can be discussed at that time.
- 3) Earthwork shall be observed by and tested by representatives of Geocon Incorporated.
- 4) Deleterious material, vegetation and debris, such as broken asphalt and concrete, shall be exported from the site and shall not be mixed with the fill soils.
- 5) 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.
- 6) 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. Contractor shall remove undocumented fills to a depth of 2 feet below finish pad grade or 1 foot below the bottom of the deepest footing element (whichever results in a deeper excavation) and replaced with properly compacted fill. The remedial grading should extend a horizontal distance of at least 5 feet outside of the facility limits where possible. The upper 3 feet of soil (within 3 feet of the footing and) below finish pad grade should consist of soil with a low expansion potential (EI of 90 or less).

- 7) All fill (including scarified ground surfaces) should be compacted to at least 90 percent of maximum dry density at or slightly above optimum moisture content as determined by the most current version of ASTM D 1557.
- 8) The placement of fill shall be observed and tested by a representative of Geocon Incorporated.
- 9) As an alternative to perform remedial grading in the new structure building pads, footings for the new structures can be deepened through the undocumented fill to bear entirely on the underlying Terrace Deposits.
- 10) In new pavement and hardscape areas, we recommend remedial grading occur to provide a minimum 2-foot compacted fill mat to support the improvements. This can be accomplished by removing the upper 1-foot of soil below pavement / hardscape subgrade and then scarifying the removal bottom to a depth of at least 12 inches. The base of the scarified removal bottom should then be moisture conditioned to optimum moisture content or slightly above and compacted. The upper 1-foot of soil below subgrade elevation should then be placed, moisture conditioned, and compacted.
- 11) Imported fill soil, if required, shall consist of granular materials with a low expansion potential (EI less than 50) free of deleterious material or stones 3 inches or less and shall be compacted as indicated herein.
- 12) Geocon Incorporated shall be notified by the City of any import soil source and shall perform laboratory testing of import soil prior to its arrival at the site to determine its suitability as fill material.

300-12.4 Foundations and Concrete Slabs on Grade.

- 1) Concrete slabs-on-grade shall be at least 6 inches thick with no reinforcing, and no expansive soils be placed in the upper 3-feet of sub-soils.
- 2) Foundations for the structures should be constructed per the drawings and should extend at least 12 inches below lowest adjacent pad grade.
- 3) Foundation excavations shall be observed by Geocon Incorporated prior to the placement of reinforcing steel to check the exposed soil conditions are similar to those expected. If unexpected soil conditions are encountered, modifications to the foundation may be required.
- 4) Foundations may be designed for an allowable soil bearing pressure of 2,000 pounds per square foot (psf) (dead plus live load) for footings founded in

properly compacted fill. This soil bearing pressure may be increased by 500 psf for each additional foot of foundation width and depth up to a maximum allowable soil bearing pressure of 3,500 psf. The allowable bearing pressure may also be increased by up to one-third for transient loads such as those due to wind or seismic forces.

- 5) No special subgrade pre-saturation is deemed necessary prior to placing concrete, however, the exposed foundation and slab subgrade soils should be sprinkled to maintain a moist condition as would be expected in any such concrete placement.
- 6) Placement of 4-inches of base material is required. However, Geocon Incorporated shall be contacted to provide requirements if the bedding sand is thicker than 6 inches. If aggregate base material is used, the vapor retarder material shall be resistant to puncturing from the angular gravel. A vapor retarder should be placed under slab to receive moisture sensitive floor coverings.
- 7) Geocon should review all bedding sand cushions that exceed 4 inches in thickness.
- 8) Crack-control joints shall be placed as shown on the plans.
- 9) Exterior slabs not subject to vehicular traffic shall be at least 6 inches thick. Prior to construction of slabs.
- 10) All subgrades shall be moisture conditioned to at least optimum moisture content and compacted to at least 90 percent relative compaction prior to placement of concrete.

300-12-5 Preliminary Pavement Recommendations.

- 1) The following pavement sections are preliminary based on an R-Value of between 10 and 20. Final pavement sections should be determined once subgrade elevations have been attained and R-Value testing on actual subgrade samples is performed.
- 2) The parking lot paving shall meet City of San Diego Schedule "J" paving standards. The following table presents the Schedule "J" pavement section for varying street classifications.
- 3) Asphalt concrete should conform to Section 203-6 of the Standard Specifications for Public Works Construction (Greenbook). Cement treated base (CTB) should conform to Section 301-3.3 of the "Greenbook" Standard Specifications for Public Works Construction and Section 400-5 of the Regional Supplement to Greenbook.
- 4) Prior to placing base material for asphalt concrete, the subgrade should be scarified, moisture conditioned and recompacted to a minimum of 95 percent relative compaction. The depth of compaction should be at least 12 inches. The base material should be compacted to at least 95 percent relative

compaction. Asphalt concrete should be compacted to at least 95 percent Hveem density.

300-12.6 Storm Water Management.

- 1) If storm water management devices are not properly designed and constructed, there is a risk for distress to improvements and property located hydrologically down gradient or adjacent to these devices. Factors such as the amount of water being detained, its residence time, and soil permeability have an important effect on seepage transmission and the potential adverse impacts that may occur if the storm water management features are not properly constructed. A hydrogeological study has not been conducted at the site. If infiltration of storm water runoff into the subsurface occurs, downstream improvements may be subjected to seeps, springs, slope instability, raised groundwater, movement of foundations and slabs, or other undesirable impacts as a result of water infiltration. Provide grading compaction per the plans. Install sub-surface drainage systems per the plans.
- 2) The performance of pavements is highly dependent upon providing positive surface drainage away from the edge of pavements. Allowing water to pond on or adjacent to the pavement will likely result in saturation of the subgrade materials and subsequent pavement distress. Where landscape or planter islands are planned adjacent to pavement surfaces, the perimeter curb should extend at least 6 inches below the bottom of the Class 2 aggregate base and into the underlying subgrade. Drainage from landscaped areas should be directed to controlled drainage structures.

300-12.7 Site Drainage and Moisture Protection.

- 1) Construct site drainage per the plans, as it is critical to reduce the potential for differential soil movement, erosion and subsurface seepage. Under no circumstances shall water be allowed to pond adjacent to footings. The site shall be graded and maintained such that surface drainage is directed away from structures in accordance with 2016 CBC 1804.4 or other applicable standards. In addition, surface drainage shall be directed away from the top of slopes into swales or other controlled drainage devices. Roof and pavement drainage shall be directed into storm drains and conduits that carry runoff away from the proposed structure.
- 2) Underground utilities shall be leak free. Utility and irrigation lines shall be checked periodically for leaks and detected leaks shall be repaired promptly. Detrimental soil movement could occur if water is allowed to infiltrate the soil for prolonged periods of time.
- 3) Limit surface or irrigation water allowed to infiltrate the pavement's subgrade and base course. Area drains shall be used to collect excess irrigation water and transmit it to drainage structures. Where landscaping is planned adjacent to the pavement, construct cutoff walls along the edge of the pavement that

extend at least 6 inches below the bottom of the base material, or per depth as shown on drawings.

300-13 GRADING.

300-13.1 General.

- 1) These Grading Specifications shall be used in conjunction with the Geotechnical Report for the project prepared by Geocon Incorporated. The text of the Geotechnical report are a part of the earthwork and grading specifications and shall supersede the provisions contained hereafter in the case of conflict.
- 2) Prior to the commencement of grading, a geotechnical consultant (Consultant) will be retained by the City for the purpose of observing earthwork procedures and testing the fills for substantial conformance with the Geotechnical Report and these specifications. The Consultant shall provide adequate testing and observation services so that they may assess whether, in their opinion, the work was performed in substantial conformance with these specifications. It shall be the responsibility of the Contractor to assist the Consultant and keep them apprised of work schedules and changes so that personnel may be scheduled accordingly.
- 3) It shall be the sole responsibility of the Contractor to 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 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 Consultant will be empowered to reject he work and recommend to the City that grading be stopped until the unacceptable conditions are corrected.

300-13.3 Materials.

- 1) Materials for compacted fill shall consist of any soil excavated from the cut areas or imported to the site that, in the opinion of the Consultant, is suitable for use in construction of fills. In general, fill materials can be classified as soil fills, soil-rock fills or rock fills, as defined below.
 - a. Soil fills are defined as fills containing no rocks or hard lumps greater than 12-inches in maximum dimension and containing at least 40 percent by weight of material small than 3/4-inch in size.
 - b. Soil-rock fills are defined as fills containing no rocks or hard lumps larger than 4-feet in maximum dimension and containing a sufficient matrix of soil fill to allow for proper compaction of soil fill around the rock fragment or hard lumps as specified per the Geotechnical Report (Geocon 2017) section 300-13.5 para 3. 'Oversize rock' is defined as material greater than 12-inches.

- c. Rock fills are defined as fills containing no rocks or hard lumps larger than 3-feet in maximum dimension and containing little or no fines. Fines are defined as material smaller than $\frac{3}{4}$ -inch in maximum dimension. The quantity of fines shall be less than approximately 20 percent of the rock fill quantity.
- 2) Material of a perishable, spongy, or otherwise unsuitable nature as determined by the Consultant shall not be used in fills.
- 3) Materials used for fill, either imported or on-site, shall not contain hazardous materials as defined by the California Code of Regulations, Title 22, Division 4, Chapter 30, Articles 9 and 10; 40DFR; and any other applicable local, state or federal laws. The Consultant shall not be responsible for the identification or analysis of the potential presence of hazardous materials. However, its observations, odors or soil discoloration cause Consultant to suspect the presence of hazardous materials, the Consultant may request from the City the termination of grading operations within affected area. Prior to resuming grading operations, the City shall provide a written report to the Geotechnical Consultant indicating that the suspected materials are not hazardous as defined by applicable laws and regulations.
- 4) The outer 15-feet of soil-rock slopes, measured horizontally, shall be composed of properly compacted soil fill materials approved by the Consultant. Rock fill may extend to the slope face, provided that the slope is not steeper than 2:1 (horizontal: vertical) and a soil layer not thicker than 12-inches is track-walked on to the face for landscaping purposes. This procedure may be utilized with approval from the Resident Engineer and Consultant.
- 5) Samples of soil materials to be used for fill shall be tested in the laboratory by the Geotechnical Consultant to determine the maximum density, optimum moisture content, and, where appropriate, shear strength, expansion and gradation characteristics of the soil.
- 6) During grading, if soil or groundwater conditions other than those identified in the Geotechnical Report are encountered by the Contractor. The Consultant shall be notified immediately to evaluate the significance of the unanticipated condition.

300-13-4.1.1 Clearing and Preparing Areas to be Filled.

Where the slope ratio of the original ground is steeper than 5:1 (horizontal: vertical), or where recommended by the Consultant, the original ground shall be benched, where each horizontal bench is a minimum of 10-feet, or sufficiently wide to permit complete coverage with the compaction equipment used. The base of the key shall be graded horizontal or inclined slightly into the natural slope. The outside of the key shall be below the topsoil or unsuitable surficial material and at least 2-feet into dense formational material. Where hard rock is exposed in the bottom of the key, the depth and configuration of the key may be modified as approved by the Consultant.

300-13.5 Compaction Equipment.

- 1) Compaction of soil or soil-rock fill shall be accomplished by sheepsfoot or segmented-steel wheeled rollers, vibratory rollers, multiple-wheel pneumatic-tired rollers, or other types of acceptable compaction equipment. Equipment shall be of such a design that it will be capable of compacting the *soil or soil-rock* fill to the specified relative compaction at the specified moisture content.
- 2) Compaction of *rock* fills shall be performed in accordance with Section 300-13.5 (3).

300-13.6 Placing, Spreading and Compaction of Fill Material.

- 1) Soil fill, as defined in 'Materials', shall be placed by the Contractor in accordance with the following requirements:
 - a. Soil fill shall be placed by the Contractor in layers that, when compacted, shall not exceed 8 inches. Each layer shall be spread evenly and shall be thoroughly mixed during spreading to obtain uniformity of material and moisture in each layer. The entire fill shall be constructed as a unit in nearly level lifts. Rock materials greater than 12 inches in maximum dimension shall be placed in accordance with 'Solid Rock Fills', paragraph (2) below or 'Rock Fills', paragraph (3) below of these specifications.
 - b. In general, the soil fill shall be compacted at a moisture content at or above the optimum moisture content as determined by ASTM D 1557.
 - c. When the moisture content of soil fill is below that specified by the Geotechnical Consultant, water shall be added by the Contractor until the moisture content is in the range specified.
 - d. When the moisture content of the soil fill is above the range specified by the Consultant or too wet to achieve proper compaction, the soil fill shall be aerated by the Contractor by blading/mixing, or other satisfactory methods until the moisture content is within the range specified.
 - e. After each layer has been placed, mixed, and spread evenly, it shall be thoroughly compacted by the Contractor to a relative compaction of at least 90 percent. Relative compaction is defined as the ratio (expressed in percent) of the in-place dry density of the compacted fill to the maximum laboratory dry density as determined in accordance with ASTM D 1557. Compaction shall be continuous over the entire area, and compaction equipment shall make sufficient passes so that the specified minimum relative compaction has been achieved throughout the entire fill.

- f. Where practical, soils having an Expansion Index greater than 50 shall be placed at least 3 feet below finish pad grade and shall be compacted at a moisture content generally 2 to 4 percent greater than the optimum moisture content for the material.
 - g. Properly compacted soil fill shall extend to the design surface of fill slopes. To achieve proper compaction, it is recommended that fill slopes be over-built by at least 3 feet and then cut to the design grade. This procedure is considered preferable to track-walking of slopes, as described in the following paragraph.
 - h. As an alternative to over-building of slopes, slope faces may be back-rolled with a heavy-duty loaded sheepsfoot or vibratory roller at maximum 4-foot fill height intervals. Upon completion, slopes shall then be track-walked with a D-8 dozer or similar equipment, such that a dozer track covers all slope surfaces at least twice.
- 2) Soil-rock fill, as defined in 'Materials', shall be placed by the Contractor in accordance with the following requirements:
- a. Rocks larger than 12 inches but less than 4 feet in maximum dimension may be incorporated into the compacted soil fill, but shall be limited to the area measured 15 feet minimum horizontally from the slope face and 5 feet below finish grade or 3 feet below the deepest utility, whichever is deeper.
 - b. Rocks or rock fragments up to 4 feet in maximum dimension may either be individually placed or placed in windrows. Under certain conditions, rocks or rock fragments up to 10 feet in maximum dimension may be placed using similar methods. The acceptability of placing rock materials greater than 4 feet in maximum dimension shall be evaluated during grading as specific cases arise and shall be approved by the Consultant prior to placement.
 - c. For individual placement, sufficient space shall be provided between rocks to allow for passage of compaction equipment.
 - d. For windrow placement, the rocks shall be placed in trenches excavated in properly compacted soil fill. Trenches shall be approximately 5 feet wide and 4 feet deep in maximum dimension. The voids around and beneath rocks shall be filled with approved granular soil having a Sand Equivalent of 30 or greater and shall be compacted by flooding. Windrows may also be placed utilizing an "open-face" method in lieu of the trench procedure, however, this method shall first be approved by the Consultant.
 - e. Windrows shall generally be parallel to each other and may be placed either parallel to or perpendicular to the face of the slope depending on the site geometry. The minimum horizontal spacing for windrows shall be 12 feet center-to-center with a 5-foot stagger or offset from lower courses to next overlying course. The minimum vertical spacing

between windrow courses shall be 2 feet from the top of a lower windrow to the bottom of the next higher windrow.

- f. Rock placement fill placement and flooding of approved granular soil in the windrows shall be continuously observed by the Consultant.
- 3) Rock fills, as defined in 'Materials', shall be placed by the Contractor in accordance with the following requirements:
- a. The base of the rock fill shall be placed on a sloping surface (minimum slope of 2 percent). The surface shall slope toward suitable sub drainage outlet facilities. The rock fills shall be provided with subdrains during construction so that a hydrostatic pressure buildup does not develop. The subdrains shall be permanently connected to controlled drainage facilities to control post-construction infiltration of water.
 - b. Rock fills shall be placed in lifts not exceeding 3 feet. Placement shall be by rock trucks traversing previously placed lifts and dumping at the edge of the currently placed lift. Spreading of the rock fill shall be by dozer to facilitate seating of the rock. The rock fill shall be watered heavily during placement. Watering shall consist of water trucks traversing in front of the current rock lift face and spraying water continuously during rock placement. Compaction equipment with compactive energy comparable to or greater than that of a 20-ton steel vibratory roller or other compaction equipment providing suitable energy to achieve the required compaction or deflection per Paragraph (3).c. below shall be utilized. The number of passes to be made shall be determined as described in Paragraph (3). c. below. Once a rock fill lift has been covered with soil fill, no additional rock fill lifts will be permitted over the soil fill.
 - c. Plate bearing tests, in accordance with ASTM D 1196, may be performed in both the compacted soil fill and in the rock fill to aid in determining the required minimum number of passes of the compaction equipment. If performed, a minimum of three plate bearing tests shall be performed in the properly compacted soil fill (minimum relative compaction of 90 percent). Plate bearing tests shall then be performed on areas of rock fill having two passes, four passes and six passes of the compaction equipment, respectively. The number of passes required for the rock fill shall be determined by comparing the results of the plate bearing tests for the soil fill and the rock fill and by evaluating the deflection variation with number of passes. The required number of passes of the compaction equipment will be performed as necessary until the plate bearing deflections are equal to or less than that determined for the properly compacted soil fill. In no case will the required number of passes be less than two.
 - d. A representative of the Consultant shall be present during rock fill operations to observe that the minimum number of "passes" have been obtained, that water is being properly applied and that specified

procedures are being followed. The actual number of plate bearing tests will be determined by the Consultant during grading.

- e. Test pits shall be excavated by the Contractor so that the Consultant can state that, in their opinion, sufficient water is present and that voids between large rocks are properly filled with smaller rock material. In-place density testing will not be required in the rock fills.
- f. To reduce the potential for “piping” of fines into the rock fill from overlying soil fill material, a 2-foot layer of graded filter material shall be placed above the uppermost lift of rock fill. The need to place graded filter material below the rock shall be determined by the Consultant prior to commencing grading. The gradation of the graded filter material will be determined at the time the rock fill is being excavated. Materials typical of the rock fill shall be submitted to the Consultant in a timely manner, to allow design of the graded filter prior to the commencement of rock fill placement.
- g. Rock fill placement shall be continuously observed during placement by the Consultant.

300-13.7 Subdrains.

- 1) The geologic units on the site may have permeability characteristics and/or fracture systems that could be susceptible under certain conditions to seepage. The use of canyon subdrains may be necessary to mitigate the potential for adverse impacts associated with seepage conditions. Canyon subdrains with lengths in excess of 500 feet or extensions of existing offsite subdrains should use 8-inch-diameter pipes. Canyon subdrains less than 500 feet in length should use 6-inch-diameter pipes.
- 2) Slope drains within stability fill keyways should use 4-inch-diameter (or larger) pipes.
- 3) The actual subdrain locations will be evaluated in the field during the remedial grading operations. Additional drains may be necessary depending on the conditions observed and the requirements of the local regulatory agencies. Appropriate subdrain outlets should be evaluated prior to finalizing 40-scale grading plans.
- 4) Rock fill or soil-rock fill areas may require subdrains along their down-slope perimeters to mitigate the potential for buildup of water from construction or landscape irrigation. The subdrains should be at least 6-inch-diameter pipes encapsulated in gravel and filter fabric. Rock fill drains should be constructed using the same requirements as canyon subdrains.
- 5) Prior to out letting, the final 20-foot segment of a subdrain that will not be extended during future development should consist of non-perforated drainpipe. At the non-perforated/ perforated interface, a seepage cutoff wall should be constructed on the downslope side of the pipe.

- 6) Subdrains that discharge into a natural drainage course or open space area should be provided with a permanent headwall structure.
- 7) The final grading plans should show the location of the proposed subdrains. After completion of remedial excavations and subdrain installation, the project civil engineer should survey the drain locations and prepare an "as-built" map showing the drain locations. The final outlet and connection locations should be determined during grading operations. Subdrains that will be extended on adjacent projects after grading can be placed on formational material and a vertical riser should be placed at the end of the subdrain. The grading contractor should consider videoing the subdrains shortly after burial to check proper installation and functionality. The contractor is responsible for the performance of the drains.

300-13.8 Observation and Testing.

- 1) The Consultant shall be the City's representative to observe and perform tests during clearing, grubbing, filling, and compaction operations. In general, no more than 2 feet in vertical elevation of soil or soil-rock fill shall be placed without at least one field density test being performed within that interval. In addition, a minimum of one field density test shall be performed for every 2,000 cubic yards of soil or soil-rock fill placed and compacted.
- 2) The Consultant shall perform a sufficient distribution of field density tests of the compacted soil or soil-rock fill to provide a basis for expressing an opinion whether the fill material is compacted as specified. Density tests shall be performed in the compacted materials below any disturbed surface. When these tests indicate that the density of any layer of fill or portion thereof is below that specified, the particular layer or areas represented by the test shall be reworked until the specified density has been achieved.
- 3) During placement of rock fill, the Consultant shall observe that the minimum number of passes have been obtained per the criteria discussed in Section 300-13.5 paragraph 3c 'Bearing Plate Tests'. The Consultant shall request the excavation of observation pits and may perform plate bearing tests on the placed rock fills. The observation pits will be excavated to provide a basis for expressing an opinion as to whether the rock fill is properly seated, and sufficient moisture has been applied to the material. When observations indicate that a layer of rock fill or any portion thereof is below that specified, the affected layer or area shall be reworked until the rock fill has been adequately seated and sufficient moisture applied.
- 4) A settlement monitoring program designed by the Consultant may be conducted in areas of rock fill placement. The specific design of the monitoring program shall be determined based on the site conditions and extents of the rock fill area. The City shall observe the placement of subdrains, to check that the drainage devices have been placed and constructed in substantial conformance with project specifications.

- 5) Testing procedures shall conform to the following Standards as appropriate:
 - a. **Soil and Soil-Rock Fills:**
 - i. Field Density Test, ASTM D 1556, *Density of Soil In-Place by the Sand-Cone Method.*
 - ii. Field Density Test, Nuclear Method, ASTM D 6938, *Density of Soil and Soil-Aggregate In-Place by Nuclear Methods (Shallow Depth).*
 - iii. Laboratory Compaction Test, ASTM D 1557, *Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10-Pound Hammer and 18-Inch Drop.*
 - iv. Expansion Index Test, ASTM D 4829, *Expansion Index Test.*

300-13.9 Protection of Work.

- 1) During construction, the Contractor shall properly grade all excavated surfaces to provide positive drainage and prevent ponding of water. Drainage of surface water shall be controlled to avoid damage to adjoining properties or to finished work on the site. The Contractor shall take remedial measures to prevent erosion of freshly graded areas until such time as permanent drainage and erosion control features have been installed. Areas subjected to erosion or sedimentation shall be properly prepared in accordance with the Specifications prior to placing additional fill or structures.
- 2) After completion of grading as observed and tested by the Consultant, no further excavation or filling shall be conducted except in conjunction with the services of the Consultant.

300-13.10 Certifications and Final Reports.

- 1) Upon completion of the work, the Contractor shall have the City shall review and certify that the site is graded to within 0.1 foot vertically of elevations shown on the grading plan and that all tops and toes of slopes are within 0.5 foot horizontally of the positions shown on the grading plans. Upon completion of the subsurface drainage systems, the piping and cleanout locations and depths shall be field confirmed by the City and any field changes documented on the Contractor's field drawings for use in the preparation of As-builts.
- 2) The Contractor is responsible for furnishing a final as-graded soil and geologic report satisfactory to the City. The as-graded report shall be prepared and signed by a California licensed Civil Engineer experienced in geotechnical engineering and by a California Certified Engineering Geologist, indicating that the geotechnical aspects of the grading were performed in substantial conformance with the Specifications or approved changes to the Specifications.

300-13.11 Finish Grading.

Finish grades shall be measured at the top surface of materials.

The Contractor shall take every precaution to protect and avoid damage to underground utilities during grading and conditioning operations.

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.

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.

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 this **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 City Engineer.

301-3.3.14 Payment. To the ‘WHITEBOOK’, DELETE paragraph (3) sentence (1) and SUBSTITUTE with the following:

Payment for cement-treated base shall be included in the total lump sum project price and shall include material, installation, subgrade preparation, compaction, etc. no other payment allowed, therefore.

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.

302-4.12.2 Application. To the “WHITEBOOK”, item 1, ADD the following:

- c) RPMS shall only be placed when ambient temperature is 50° F or higher.

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:

- a) Concrete Cleanouts
- b) Concrete Catch Basin

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 SUBSITTUTE 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"**.

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.

After the fourth paragraph, 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 City. 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 "GREENBOOK", DELETE and SUBSTITUTE with the following:

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. The payment shall be segregated to conform with the bid items indicated on the bid schedule and may include the miscellaneous concrete items listed in **Section 303-5.1.1 "General"**.

SECTION 306 – OPEN TRENCH CONDUIT CONSTRUCTION

306-3.3 Removal and Abandonment of Existing Conduits and Structures. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. For 6 inch (152.4 mm) and larger conduits, abandoned pipe shall be filled with sand or CLSM in accordance with 201-6, "CONTROLLED LOW STRENGTH MATERIAL (CLSM)".

306-15.6 Hydrants. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The payment for fire hydrant assembly and marker, fire service connection, assembly and backflow preventer, and fire service connection and assembly, shall be included in the total lump sum project price
2. Removal of existing fire hydrants within the trench limits and all appurtenant Work shall be included in the total lump sum project price.
3. Removal of existing fire hydrants outside of the trench limits and all appurtenant Work shall be included in the total lump sum project price.
4. Payment for fire hydrant discs shall be included in the total lump sum project price.

306-15.8 Pipeline Appurtenances. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. Payment for water meter boxes and meter box lids shall be included in the total lump sum project price. Payment shall include any additional adjustment to place the box around the meter to ensure the valve is accessible and operating properly (including adjusting the water service pipe beyond the meter box).

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, 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. Site furnishings shall be 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 City. 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.

ADD:

SECTION 319 - SITE FURNISHING INSTALLATION

319-1 GENERAL.

Deliver, store and handle all furnishing materials to prevent damage. 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.

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 installation work. 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.

Site furnishings shall have manufacturer applied 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 / Recycle Receptacle Installation.

When trash receptacle / Recycle receptacle has maintenance door, Contractor shall verify maintenance door orientation with Landscape Architect prior to securing in place.

Install 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.

Accessible Tables.

Accessible tables shall be located where finish floor surfaces have a maximum slope of 1.5%, both directions.

319-1.2.3 Benches Installation.

Benches installed over permeable paver surfaces shall omit surface mounted anchor rods and be secured using epoxy.

319-1.2.5 Drinking Fountain Installation.

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 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.

319-1.2.6 Bike Rack Installation.

Embed bicycle rack end post plumb into a 12-inch dia x 12-inch depth Cast in Place concrete footing to the depths indicated on the plans. Ensure the top of the bike rack will be 36 inches above the indicated finish surface after the concrete paving has been constructed. Support the bike rack plumb for a minimum of 48 hours while footing cures.

319-1.2.7 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".

319-1.3 Permanent Bollards Installation (ADDITIVE ALTERNATE #3).

Bollards shall be located where shown on the plans. Install bollards in accordance with the standard drawings. Install plumb, accurately and in the correct orientation and relationship with the concrete paving as shown on the drawings.

Install bollards within thickened concrete paving areas at a minimum of 10" depth and coordinate locations of grout pockets per bollard manufacturer template. 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.

319-1.4 Entry Gates Installation.

Entry gates shall be located where shown on the plans. Install gates in accordance with the standard drawings. Install gates plumb, accurately and in the correct orientation and relationship with the roadway paving as shown on the drawings.

Install footings and posts in accordance with the standard drawings. Coordinate installation of gates with Concrete Sidewalk Contractor and/or installers of adjacent materials. Protect gates during construction of paving work by covering with plastic or other protection.

319-1.5 Prefabricated Shade Structure Installation.

319-1.5.1 Installers Storage and Handling.

- a) Protect building products after arrival at destination from weather, sunlight, and damage.

When unloading, pad the forks and use other precautions to protect the powder-coated finish. Do not use chains to move the materials, use straps. Handle all materials carefully in the field to avoid scratching the powder-coat finish.

- b) Contractor shall store the product elevated from the soil to allow full air circulation around the materials as do not introduce mold, decay, fungi or insects into or on the materials. One end of the materials shall be elevated higher than the other end if storage will be longer than a few days as to allow the water to run off the materials.

319-1.5.2 Erection.

- a) **Installation.**

Install all components according to manufacturer's installation instructions and these specifications. The shelter shall be placed on prepared foundations that were designed by the manufacturer (unless otherwise noted). Materials

for these foundations are not supplied by ICON but by the foundation installation contractor. Foundation shall be constructed to all local building code requirements and per good construction practices for the specific site conditions

b) **General Contractor.**

Interface with other work is to be coordinated by the customer or the customer's agent.

c) **Tolerances.**

Tolerances on structural steel members are set according to AISC Code of Standard Practice for Steel Buildings and Bridges and have been used for the fabrication of this product. These tolerances will not and cannot be increased. No field slotting or opening of holes will be allowed without proper guidance from the ICON Engineering Department.

d) **OSHA Compliance:**

In accordance with OSHA Steel Erection Standard 29 CFR 1926.750 Part R, anchor rods shall be installed for proper column stability and shall have a minimum of four (4) anchor bolts per column. Therefore, no single anchor rod column base connections shall be allowed.

319-1.5.3 Repair.

- a) Do not attempt any field changes without first contacting ICON Structures.

319-1.5.4 Field or Site Quality Control.

- a) Field or Site Tests and Inspections are not required by ICON Structures but may be required by the customer or by the City.

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.

319-2 PREFABRICATED RESTROOM BUILDING INSTALLATION.

319-2.1 Building Pad/ Foundation Installation.

The Contractor shall prepare the restroom building subgrade to receive the prefabricated building in accordance with the bid subgrade preparation drawings or foundation plan.

1. The building subgrade/footings shall be constructed per the plans.
2. The Contractor shall provide water point of service at 30" below finished building slabs; sewer at 24" below the finished building slabs; and electrical at 36" below the finished building slabs or other per bid plans.

3. Contractor shall coordinate with prefabricated restroom subcontractor to provide full site delivery access for a 70' tractor-trailer and hydro crane to the final building sites.
4. If the final site access is over existing sidewalks, utilities, or landscaping, the Contractor shall be responsible for plating and or tree trimming, utility line removal, or other to protect any existing conditions.
5. The hydro crane shall be able to locate no greater than 35' from the center point of the building to the center point of the crane.
6. The utilities shall be furnished per bid site plans at specified points of connection (POC) nominally 6' from the building lines.
7. Contractor shall furnish and install final grading, landscaping and sidewalks.

319-2.2 Connection to Utilities.

1. The General Contractor will stub-out: Electrical, Water, and Sewer at the proper POINT OF CONNECTION AND AT THE PROPER ELEVATION BELOW GRADE, for this project. Restroom subcontractor shall provide final hook up of the water from building to POC; sewer hookup to POC; and electrical sleeve from building panel to POC only. Final utility connections shall be by General Contractor or others. General contractor shall flush the water lines thoroughly before making final water connection to the building. **Thoroughly flushing the water lines for AT LEAST 30 MINUTES is critical to ensure that the new code required low-flow fixtures and flush valves that are extremely sensitive to particulate matter in the water will not malfunction. Contractor shall flush all lines per spec section 901-1.1.2.2 'Start-up Procedures'.**

319-2.3 Mat Engineered Concrete Building Slab/Foundation.

1. The mat engineered 8" thick slab/foundation shall be engineered and constructed to withstand the transportation weight of the building without cracking and to resist absorption from any liquids deposited on the surface. The concrete slab shall be constructed inside a steel angle curb, reinforced with dual mats (tension and compression,) and poured with a custom concrete formula with special admixtures to create a finished slab that is waterproof for life.
2. The building slab/foundation will include the area under the covered entry.
3. Perimeter Steel Curb: 5/16" 50,000-kip steel 6" X 6" welded continuous angle.
4. Rebar Steel Mat: Two layers of 40,000 tensile steel rebar in varying sizes per engineer's requirements, including a perimeter structural continuous grade beam design inside the exterior steel angle and at any other location deemed by the engineer of record as required for the use intended. In coastal locations or when required for corrosion resistance rebar shall be epoxy coated or fiberglass to resist permanent corrosion. Rebar mats shall be wire tied to code

with a minimum of three turns of the wire and overlaps shall be minimum of 15 diameters for any connection.

5. All slab openings shall be surrounded with two layers of steel collars as required by the engineer of record to stop corner cracking and to reinforce the openings for lifting.
6. 1" thick by 3" minimum length threaded nuts shall be welded to the steel perimeter frame with continuous ¼" fillet welds. Nuts shall be welded to common steel plates per the engineer of records design and attached to the interior steel rebar structural mats.
7. The manufacturer's engineer of record shall provide lifting locations with sufficient reinforcement to allow the safe lifting of the entire designed weight of the structure with dual 1" steel bolts and washers at each lifting location. The number of lifting locations with each location fitted with removable ¾" 8" X 8" 50,000 tensile strength steel angles shall be determined by the engineer of record.
8. The slab shall be poured over a 1" thick steel plate table. The concrete mix design shall not exceed a 3" slump and shall be stinger vibrated for maximum consolidation. All floors shall slope to any floor drains within each room and if no floor drain is present the floor should not slope. The surface shall be a very light broom that should meet a coefficient of friction on the surface of .06. Birdbaths shall be cause for rejection.
9. The steel perimeter angle will remain below the concrete surface by nominal two inches to prevent corrosion. After the site concrete sidewalks are poured, the joint shall be full flow sealed with self-leveling grey urethane caulk to prevent penetration of water into the joint.
10. The building shall be designed for future relocation and shall provide protection for the lifting openings in the mat slab so that the threaded openings will be available for future use if needed.
11. The building systems shall be designed for placement on a Contractor site prepared class 2 building pads/and or footings as required by code, per the bid drawings, suitable for 1500 pounds soil bearing capacity minimum. Any soils survey (if necessary) shall be by owner or engineer of record.

319-2.4 Exterior & Interior Masonry Block Walls.

1. The block walls shall be nominal 8" x 16" CMU. The building corners shall have special corner return block for structural integrity. All CMU shall be custom-fabricated with an enlarged interior hole for placement of the grout and vertical rebar. The block walls shall be nominal 8" x 16" CMU. The building corners shall have special corner return block that matches the exterior finish and creates a uniform appearance. All CMU shall be custom fabricated with an enlarged interior hole for placement of the grout and vertical rebar. The exterior walls shall be 4" thickness per State of California codes or engineering

for wind and seismic. The interior walls shall be 4" block to nominally 7'-4" above finished floor and wood-framed with applicable required finishes above for pony and gable walls. A structural steel tubular .188 wall cap beam shall be welded to 5/16" 40,000-kip steel plate embeds, at intervals per the engineer of record, within the masonry wall. Cap beam shall be ZRC primed and painted, color schedule **per Sections 219-2 and 219-3.**

2. The 8" mat engineered concrete slab shall be cured a minimum of 7 days. Holes for vertical dowels shall be drilled into the mat engineered slab avoiding any grade beams or other structural reinforcement. Once the holes are drilled, blow out the remaining material and using two-part structural epoxy, wet set the #3 or #4 vertical rebar (as specified on the engineering calculations into holes drilled to the depth per the engineer of record requirements. Each rebar shall be held vertical to allow equal epoxy support to each dowel during the drying period. Engineering calculations require that rebar shall be installed in each concrete block center void or every block hole. The engineered uplift on each rebar shall be sufficient to restrain any load imposed on the masonry block wall for vertical rebar pull out from the concrete mat engineered slab.

319-2.5 Roof System.

1. The roof structure shall be 2" x 6" wood rafters at 24" on center with 5/8" OSB sheathing and ice and water shield membrane with 26 gauge standing seam metal roof panels. Building roof rake and fascia shall be wrapped with 14-gauge formed metal to match roof, painted. Soffit area to be painted. Color schedule **per Sections 219-2 and 219-3.**
2. The roof design by manufacturer shall exceed compliance with local code at 20 PSF live load and wind load "C".
3. The restroom ventilation screens (described in a following section) shall be attached to the gable truss frames and vandal resistant. Roof color schedule **per Sections 219-2 and 219-3.**
4. Vertical posts at covered restroom entry shall be 4" x 4" steel, primed and painted. Color schedule **per Sections 219-2 and 219-3.**

319-2.6 Interior Wall Finish.

1. Interior precision CMU block masonry walls (Restroom Only) shall be smoothed to a pebble grain finish with 2-4 mil layers of 7-day curing block fillers and painted with two additional 4 mil layers of industrial high solids (white) industrial grade enamel. Walls shall be painted white with industrial high solids enamel. Utility chase and storage area shall be natural block finish. Color schedule **Sections 219-2 and 219-3.**

319-2.7 Exterior Wall Finish, Masonry and Gable.

1. The building exterior finish shall be grey precision 8" x 16" CMU to wall height per the exterior elevations in the bid plans. The block shall be covered with 2-4 mil layers of 7-day curing block fillers and painted with two additional 4 mil layers of industrial high solids industrial grade enamel, color selected by

Owner. The gable area finish shall be fiber-reinforced cement board, stucco finish, painted in a color schedule **per Sections 219-2 and 219-3.**

2. Anti-graffiti coating shall be applied per **Section 210-1.1.1.**

319-2.8 Passive Ventilation System (Restrooms).

1. Shall be woven ¼" X 1" X 1", 316T stainless steel wire mesh set in welded stainless-steel angles attached to the CMU wall with vandal resistant stainless-steel screws, per plans. There shall also be an 8" x 16" aluminum louvered vent in each restroom located on the chase at 9' AFF, nominal.

319-2.9 Doors and Gates.

1. The restroom entry doors shall be 7' 0" high (with 4" undercut at bottom of door for ventilation), custom fabricated, 14-gauge steel; reinforced with 14-gauge steel ribs welded at 6" intervals on each face, concealed; reinforced with a welded plate for door closer mounting.
2. Doors shall be hung on a single continuous, 1 million cycle, aluminum gear hinge with stainless steel vandal resistant screws at nominal 4" on center. The doors shall weigh nominally 176 lbs each for a 36" X 84" door. Custom fabricated 14-gauge steel door jambs with 4" steel heads shall be welded to the steel cap beam and be solid filled with 3000 psi masonry grout mix. Doors and frames shall be painted per color schedule per **Sections 219-2 and 219-3.**
3. All exterior entry doors and gates shall have a ¼" thick stainless steel "Z-shaped" anti-microbial pull handles with integral latch guard and Best 83T (IE7 series cylinder/IC7 series core) commercial series dead bolts.
4. The door closer (restroom entry doors only) shall be "LCN" heavy duty #4210 Series, fastened to a structural reinforced door plate per door manufacturer design.
5. Stainless steel vandal resistant fasteners shall be used on all hardware.

319-2.10 Specialties.

1. All specialty washroom equipment shall be commercial grade stainless steel fastened securely to walls with vandal resistant stainless-steel screws to avoid removal by vandals as follows:
2. Toilet paper holders shall be Aslin TPD0350SR-SS, three-roll stainless steel (non-accessible restroom) and Bobrick B-2888, covered, two-roll, stainless steel with lock (accessible restrooms only). Toilet paper holders shall be attached to block walls with 4 epoxy bedded vandal resistant stainless-steel fasteners.
3. Stainless steel grab bars to code shall be 1 ¼" minimum exposed fastener vandal resistant design and installed at each accessible water closet.
4. Cast Aluminum California Title-24 compliant signage shall be recessed into block surface flush with masonry exterior and door sign shall be blind fastened with epoxy adhesive and stainless-steel fasteners. Wall signs shall have raised

pointed Braille tips. Signage shall comply with AB1732, identifying the restrooms as "All Gender Restrooms."

6. Stainless steel baby-changing stations (Foundations Model 5410339) shall be mounted in each accessible restroom with identifying signage on the exterior adjacent to the restroom signage.
5. Emergency Eye Wash Station: Shall be Acorn Model S0P50 mounted in the utility chase.

319-2.11 Plumbing.

1. Building shall be fully compliant with current with the following codes:
 - a) All applicable State of California Building Codes. Latest edition applicable.
 - b) California Plumbing Code. Latest edition applicable.
2. **General.** All components and fabrications shall be designed to reduce life cycle maintenance, be compatible with current maintenance spare parts, and shall be listed in a spare parts/maintenance manual (two copies) delivered in utility chase of building.
3. **Water Piping.** Shall be type L copper soldered per code above grade and type K with silver solder below grade. All water piping shall be designed and constructed with high and low point drain fittings. All piping shall be mounted on Uni-strut wall brackets with neoprene isolators, to code.
4. **Water Pressure Gauge/Valve Combo.** install three commercial grade industrial water pressure gauges (one on incoming line, one at pressure regulator valve and one after water filter), isolation ball valves, 150 PSI pressure regulator with wye strainer, 10-micron water filter with clear canister, and check valve.
5. **Plumbing Faucets, Isolation Valves and Actuators.** All fixtures except those with flush valves shall be isolated with ball valves for each fixture, concealed antimicrobial impregnated flush handle valves, and metered push-button lavatory faucets.
6. **DWV Piping.** DWV piping shall be concealed behind the wall. DWV piping shall be PVC DWV, solvent welded, for all concealed piping. A cast iron no hub DWV vent pipe with a cast iron roof mounted vandal cap vent shall be required, through the roof.
7. **Removable Pipe Traps.** all floor drain, sink drain, and waste traps shall be removable for maintenance. Floor drains shall be trapped behind the wall in the utility chase using a combination waste and vent system. Floor drains shall be increased two pipe sizes over standard to allow code use. Trap primers for restroom floor drains shall not be used as restroom maintenance is hose-down. All surface mounted utility chase piping shall be mounted on Uni-strut with plastic isolators to code. Sink drain traps shall be concealed behind the utility chase walls where maintenance staff can access all plumbing.

8. **Plumbing Fixtures.** Plumbing fixtures shall be 14-gauge stainless steel manufactured by Acorn. Toilets shall be wall hung, rear discharge, with concealed, ADA-compliant, button-type, flush valves. Toilet seats shall be black solid core plastic, non-flammable construction with continuous stainless steel concealed self-checking hinges. Lavatories shall have concealed remote traps behind the mechanical wall. Schedule of fixtures:
 - a) Water Closets: Acorn Penal-Ware, 1675-W-1-HET-FVBO-9-ADA-PFS
 - b) Water Closet Flush Valve: Zurn ZH6152AV-HET-7L-BG (SLOAN FV)
 - c) Lavatories: Acorn Penal-ware 1652LRB-1-DMS-03-M-H1
 - d) Lavatory Faucet: Chicago MVP 333-665PSHABCP
9. **Floor Grates.** Removable 350 lbs per square foot pultruded fiberglass non-skid floor grates shall be installed over every opening in the utility chase for OSHA compliance.
10. **Hose Bib.** There shall be one Acorn 8120-CP hose bib provided in the utility chase.
11. **Hose Reel.** There shall be one commercial grade Rapid Reel hose reel (1041-GH) with a 75' commercial grade hose.
12. **HI-LO DRINKING FOUNTAIN AND BOTTLE FILLER:** Shall be Murdock GSE64-FG and BF-3, respectively, 14-gauge, stainless steel. HAWS DF

319-2.12 Electrical.

1. **General.** Electrical system and components shall be commercial grade or better and piping conduits shall be installed on commercial Uni-strut wall hangers. Interior electrical lighting fixtures in public areas shall provide lifetime manufacturer's warranty.
2. **Panel/Wiring.** One 100 or 225 amp, 120/240v, single-phase, industrial grade Panel Board, Square "D" QO series with 100 or 225-amp main circuit breaker, shall be mounted in the utility chase in the restroom building. All breakers shall be bolt-on type, minimum 10,000 A.I.C. RMS (Sym). Wiring shall be copper wire #12 min in EMT piping with compression fittings.
3. **Piping.** All piping shall be surface mounted to the masonry block walls with minimum of 2" fastener penetration. EMT conduit shall be compression type. Main panel shall maintain a 30" X 36" safety code required clear space, floor to 6' above finished floor.
4. **Hand Dryers.** Shall be concealed, low energy, remote located vandal resistant design. Dryer shall be mounted in the utility chase with only protruding cast metal air nozzles and start switch accessible to the public at exterior lavatory. Dryers shall be 840 watts, low energy consumption. One mounted adjacent to each exterior lavatory. Shall be concealed Fastaire HD03, with operating equipment remotely located in utility chase.

5. **Water Heaters.** Shall be tankless, Stiebel-Eltron DHC-8/10-E Water heater shall be located in the utility chase. There shall be a tempering valve servicing the restroom lavatories.
6. **Exterior Lighting.** Luminaire YWP610, 15 watt, LED, vandal resistant, high-impact polycarbonate lens fixtures shall be installed per the plans
7. **Interior Lighting.** Luminaire SWP1212, 15 watt, LED, vandal resistant high-impact polycarbonate lens fixtures shall be installed in the restrooms per plans (one in each restroom) and shall have integral occupancy sensors. The chase shall have a 4' single-tube, 18-watt LED fixture suitable for wet locations, with a single switch at door entry. The storage room shall have two (2) 4' double-tube, 36-watt LED fixture, suitable for wet locations, with a single switch at door entry.
8. **Lighting Control.** All interior restroom lighting shall be controlled by built-in fixture occupancy sensors and 2 bypass switches (one for interior lighting and one for exterior lighting), so maintenance staff can check operation during daylight hours. A single photocell, roof mounted, and shall control all exterior lighting.
9. **Electrical Outlets.** One (1) commercial spec grade duplex outlet shall be located in the utility chase adjacent to the panel. There shall be one additional outlet located in the storage area.

319-2.13 Certifications.

Building shall be certified in compliance with the plan approval by the State of California, Department of Housing and Community Development. The building shall be delivered with an applied insignia, in compliance with all State regulations. The local building authority shall provide site inspections for the underground mechanical piping and final connections, footings, and access issues outside the restroom footprint. Restroom building subcontractor shall also furnish 5-year warranty, certifications for the concrete slab specification compliance, and maintenance manuals for the building and components.

319-3 PREFABRICATED RESTROOM / CONCESSION BUILDING INSTALLATION (ADDITIVE ALTERNATE #3)

319-3.1 General. The Restroom / Concession building shall conform to Section 219-2, 219-3, 319-2 and the following:

CONCESSION

1. The food service area shall meet all requirements of the California Retail Food Service Act. This concession facility is classified as "food warming/heating only" and shall comply with the Riverside County Department of Environmental Health.
2. **Equipment.** The concession room shall be per plan with the following equipment included within the building upon delivery:
3. **Counters.** 14-gauge 304T stainless steel counters per plan.

4. **3-compartment sink.** 1 (one) SS-3-LIN-18-2D18 Lambertson Industries, Inc, NSF-rated 3-compartment sink with two drain boards shall drain to floor sink and installed per plan. Faucet shall be Chicago 445-DJ18
5. **Floor sink.** Watts FS-753-P-128
6. **Hand sink.** Kohler K-2007 with American Standard 7500.170.002 faucet.
7. **Soap dispenser.** Bobrick B-2111
8. **Paper towel dispenser.** Bobrick B-262.
9. **Mop sink.** Mustee-62M; with American Standard 8344.112 faucet and a 3-mop holder mounted to wall.
10. **Water heater.** 50-gallon, 480 Volt, 12 KW
11. **Interior lighting.** Double tube, wet-location, 36-watt LED fixture with a single switch at door entry. There shall be four (4) in the concession.
12. **Electrical outlets.** Seven (7) duplex commercial grade outlets shall be provided in the concession room. Final location to be determined.
13. **Air curtain.** Mars NHV-42 with micro switch, located over entry door.
14. **Floors.** Shall be 6" x 6" red quarry tile with 6" x 5" base, set with epoxy thin-set and grey epoxy grout.
15. **Walls/ceiling.** Shall be furred with wood studs and insulation to code, then covered with 24" tongue and groove PVC panels, and finished with PVC trim at each seam and every corner to maintain a washable surface.
16. **Concession windows.** Shall be Ready Access #275 low profile single panel slider, mill finish with 19 x 39 service opening with restrictor plate. A lockable shutter door (same construction as exterior doors described above) shall cover the window and be able to lock open against the building.
17. **Concession window shutter door.** Shall be 4'-0" x 4'-0", custom fabricated, 14-gauge steel; reinforced with concealed 14-gauge steel ribs welded at 6" intervals on each face, reinforced with a welded plate for door closer mounting. Doors shall be hung on a single continuous, 1 million cycle, aluminum gear hinge with stainless steel vandal resistant screws at nominal 4" on center. Door shall lock with a Schlage B-600 series commercial series dead bolt and have a sweep at the bottom of the door. Door and frame paint color to be selected by owner.
18. **HVAC System.** There shall be 2 (two) Friedrich PDH15K5SG PTAC, Packaged Air-Cooled systems. Provide programmable thermostat. Exterior vandal-resistant louver shall be painted to match exterior.

SECTION 401 – REMOVAL

400-1

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

Section 4216/4217 of the Government Code requires a Dig-Alert identification number be issued at least two (2) working days prior to a "Permit To Excavate" will be valid.

For your Dig-Alert identification number, Contractor shall call the following Underground Service Alert, services, and utilities:

Underground Service Alert	1-800-422-4133
Police	531-2000
Streets	527-7500
Drainage	527-7500
Water and Sewer	1-800-422-4133
San Diego Gas & Electric	239-7511
Cable T.V.	236-9251 ext. 5212

401-2 ASPHALT CONCRETE PAVEMENT. To the "WHITEBOOK", DELETE item one in its entirety and SUBSTITUTE with the following:

1. Bituminous pavement shall be cut and removed in such a manner so as not to tear, bulge or displace adjacent paving by use of construction machinery. Wheel type pressure cutters and drop hammer cutters will not be permitted for final edge cut. Saw cutting of edges to be joined is required. Where only the surface of existing bituminous pavement is to be removed, the method of removal shall be approved by the Engineer, and a minimum laying depth of 25 mm (1 inch) of new pavement material shall be provided at the join line. Where bituminous pavement adjoins a trench, the edges adjacent to the trench shall be trimmed to neat straight lines before resurfacing to ensure that all areas to be resurfaced are accessible to the rollers used to compact the subgrade or paving materials.

ADD the following:

5. Miscellaneous materials: Buried pavements, old subsurface pavements and other materials encountered under existing pavements, which are within designated excavation areas on the demolition plans shall be removed.

SECTION 402 – UTILITIES

402-2 PROTECTION. To the "WHITEBOOK", item 2, ADD the following:

- g) Refer to **Appendix I - 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 600 - ACCESS

600-1 GENERAL. To the "WHITEBOOK", item 5, DELETE in its entirety and SUBSTITUTE with the following:

5. You shall notify Environmental Services Department via email (trash@sandiego.gov) of street closures affecting the regular scheduled solid

waste collection at least 3 Working Days prior to the street closure. Include your business name and phone number, days of closure, time of scheduled closure, and date of anticipated street reopening in the notification.

- a) You shall verify waste collection schedules via the Environmental Services website at:

<http://www.sandiego.gov/environmental-services/collection/index.shtml>

- b) You shall comply with the following requirements for trash, recycling, and yard waste collection:

- i. Provide advance written notice to every property affected by blocked public right of way.
- ii. Coordinate the relocation of trash, recycling, and yard waste containers to an accessible public street for the City's waste collection crews on collection day.
- iii. When necessary, relocate the containers from the blocked streets to the accessible public right of way before the City's collection vehicles arrive to assist with collection on existing schedules. Return the containers to their point of origin to ensure the accuracy of inventory assignment by address.

- c) If the City's crews are unable to provide the citizens with the mandated services due to your failure to comply with these specifications, you shall collect trash, recyclables, and yard waste on the City's schedule and deliver to the City's designated locations. If you fail to perform this Work, you shall incur additional costs for the City to reschedule pick up of an area.

SECTION 601 - TEMPORARY TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTENANCE WORK ZONES

601-2.1.4 **Traffic Control for Resurfacing and Slurry Sealing.** To the "WHITEBOOK", item 3, subsection "d", DELETE in its entirety and SUBSTITUTE with the following:

- d) Place "NO PARKING - TOW-AWAY ZONE" signs 72 hours in advance of the scheduled slurry sealing. Reschedule street block segments which are not completed by the last posted Working Day. If a Work delay of 48 hours or more occurs from the originally scheduled Work date, remove the "NO PARKING - TOW-AWAY ZONE" signs for a minimum of 24 hours, then reset and re-post for the appropriate Work date.

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 (Section 86-11) GENERAL ELECTRICAL REQUIREMENTS.

700-10.1 (86-11.01) 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, 2011. 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 (86-11.02) 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 (86-11.03) 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.

700-10.4.1 (86-11.04) Submittals.

1. Materials List - Provide complete materials list of all proposed products, including catalog cuts of manufactured items.

700-10.5 (86-11.05) Quality Assurance.

1. Manufacturer shall have produced the specified products for a period of 2 years prior to beginning work of this section and 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, have installed similar applications of the specified products within one year prior to beginning work of this section, 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 City Resident Engineer all inspections of work for review and approval during the installation of site electrical and lighting improvements.

700-10.6 (86-11.06) Guarantee. The contractor shall furnish a written guarantee against defective work, materials, and operation for a period of one full year after final acceptance.

1. All materials and equipment shall be new, free from defects and or the quality or rating shown or specified.
2. Any defect due to missing or improper material or faulty workmanship existing or developed during the specified period shall be corrected and the resulting damage repaired without additional cost to the City. Such work shall be done at a time as directed by the Engineer.

700-10.7 (86-11.07) 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.

700-10.8 (86-11.08) Covering of Unreviewed Work.

No work shall be covered, or enclosed, without review, testing, and/or approval by Engineer. 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.

ADD:

700-11 (Section 86-12) ELECTRICAL COMPONENTS.

700-11.1 (86-12.01) 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.
2. Conduit shall be delivered to site in standard lengths with each length bearing the manufacturer's trademark or stamp and U.L. Labeled.
3. Conduit shall be minimum 3/4 inch or larger in diameter.
4. All conduits shall contain equipment grounding conductors.

700-11.2 (86-12.02) 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 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 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 (86-12.03) 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 (86-12.04) Site Lighting - Lighting fixtures and poles shall be per the schedule on the drawings or approved equal as accepted by the Engineer 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 (86-12.05) 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

800-1.1.2 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.

800-1.2.5 Mulch. To the "WHITEBOOK", item 3, subsection "i", ADD the following:

Type 9 Mulch shall be 4 inches maximum in size.

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 City.

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 City.

800-1.4.1 General. To the “WHITEBOOK”, ADD the following:

8. Contractor shall notify the City a minimum of 48 hours before each plant delivery so the City 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 Landscape Architect. 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 City 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 Landscape Architect, 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 City 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 City's written approval.
14. Right to Changes: The Landscape Architect 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 City) 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 City) 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; brass pipe; brass piping shall be I.P.S. red brass; 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.

800-2.4 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.

Prior to installation of any irrigation work, the Contractor shall submit an irrigation materials submittal for review and approval by the City. 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 City 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 City.
10. Trenching, excavation and soil disturbance within the drip line of vegetation to remain shall not be permitted except as specifically allowed by the City. 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, First Sentence, 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 City 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 City 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 City. 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", paragraphs 1 and 2, DELETE in their entirety and SUBSTITUTE the following:

1. The planting area shall be ripped to a depth of 15" prior to bringing the planting area 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 Landscape Architect 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 sulfete	10 lbs/1,000 sq. Ft.
	Soil Sulphur	10 lbs/1,000 sq. Ft.
B)	After leaching, apply:	
	10-10-10 fertilizer	25 lbs/1,000 sq. Ft.
C)	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" Paragraph 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 City 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 City. 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 City. 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 City and his decision shall be final. The Contractor shall obtain approval from the Landscape Architect 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 City 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 City 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 City 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 City 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 City 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 City.

801-4.6.1 Tree Staking. To the "WHITEBOOK", ADD the following:

2. All 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 City 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:

801-4.11 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 "Construction of Park Improvements" 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 City.

801-5.1 General. To the "WHITEBOOK", ADD the following:

Contractor shall check and verify the water pressure at point of connection (POC) prior to beginning of work. Notify City 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 City 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", paragraph 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 paragraph 7, ADD the following:

Backflow preventers shall be installed as specified on the contract documents.

801-5.5.1 General. To the "WHITEBOOK", 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.

801-5.7.2.1 General. To the "WHITEBOOK", ADD the following:

3. Mains larger than 2 inches, asbestos cement mains, mains employing socket and spigot gasket joints shall be tested in accordance with **Section 306-8 "Prefabricated Pressure Pipe"**. If leaks develop, repair leaking portions and repeat test until entire system is proven watertight. Test shall be observed and approved by City prior to backfilling trenches.

801-5.7.3 Sprinkler Coverage Test. To the "WHITEBOOK", ADD the following:

When system is complete, and prior to planting, the Contractor shall perform a coverage test in the presence of the City and Landscape Architect.

801-6 MAINTENANCE AND PLANT ESTABLISHMENT. To the "WHITEBOOK", ADD the following:

12. **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.

Payment for operation and maintenance manuals shall be included in the total lump sum project price, and no additional compensation shall be allowed.

SECTION 900 – MATERIALS

900-2.3 **Payment.** To the “WHITEBOOK”, item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. The payment for furnishing materials for your connection, cut and plug, and cut-in Work shall cover all necessary materials (fittings and hardware, delivery, and unloading. The payment shall be included within the total lump sum project price and no separate payment for furnishing those materials shall be made.

SECTION 901 – INSTALLATION AND CONNECTION

901-1.1.2.2 **Start-up Procedures.** To the “WHITEBOOK”, item 2, subsection “j”, DELETE in its entirety and SUBSTITUTE with the following:

- j) In the event that the high-line piping system fails to pass the required bacteriological testing, you will be expected to help investigate and perform corrective actions if warranted by the findings and you shall re-flush and re-disinfect the lines for re-testing at no additional cost to the City. Disposal of chlorinated water for retesting shall be in accordance with the City standards and regulations. Indiscriminate disposal of chlorinated water shall not be permitted.

901-2.2.4 **Preparation for Connection.** To the “WHITEBOOK”, item 7 and 8, DELETE in their entirety and SUBSTITUTE with the following:

7. Upon receiving notification of a shutdown date by City Water Operations Division for your planned connection, you shall trench and steel plate the pit(s) necessary to make the connection(s) prior to the start of the scheduled shutdown to facilitate an expedient connection to the existing main. Shutdown of the water main and connection shall be completed within the timeline agreed upon and as specified by City Water Operations staff so that water is restored in accordance with the shutdown notification and as needed for operation of the water system.
8. If you anticipate connection operations exceed the time as identified in the notification, causes health and safety risks, or disrupts water services to the consumers, you shall notify the Engineer and the City’s Station 38 at (619) 527-7500 as soon as possible for assistance to provide potable water and temporary high-lines to restore water to the affected consumers.

To the “WHITEBOOK”, ADD the following:

12. After the connection operation (for mains or services), you shall request the Engineer notify City Water Laboratory take water samples for bacteriological tests in accordance with Section 7 of the AWWA C651. If the test does not pass,

you will be expected to help investigate and perform corrective actions if warranted by the findings.

13. Bacteriological Testing (Bac-T) sample results are valid only for 14 Calendar Days from the date the results are first made available. If any system is not placed into service within the 14 Calendar Days, then bacteriological testing shall be reinitiated.

901-2.3.4.1 Quality Control. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. After the cut and plug operation, the water main and its appurtenances shall be disinfected, and field tested by you in accordance with the latest edition of AWWA C651. You shall also request the Engineer to notify the City Water Laboratory to take water samples for bacteriological tests in accordance with Section 7 of the AWWA C651. If the test does not pass, you will be expected to help investigate and perform corrective actions if warranted by the findings.

901-2.5 Payment. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Your Work for connecting to the existing system (cut-in or tie-in Work), excluding new main interconnections between various phases, shall be paid under the total lump sum project price bid items and shall include the following:
 - a) Trenching, furnishing, and installing all materials and labor to complete the Work, including up to 10 feet of new water pipe
 - b) Potholing
 - c) Protecting the water main while performing the Work
 - d) Coordinating your Work with the City Forces
 - e) Coordinating with the community (community outreach)
 - f) Traffic control and construction BMPs
 - g) Pavement Restoration
2. Cut and plug Work of the existing system by you shall be paid under the total lump sum project price and shall include coordination of Work with City Forces, any scheduling impact costs, community outreach, furnishing and installing of materials, and traffic control. Potholing and protecting the water main while performing the Work shall be included in this payment.
3. Traffic control saw cutting the trench area, trench caps, and other spot repairs in the vicinity of the disturbed area at each restored connection shall be included in the total lump sum project price. Asphalt overlay and slurry seal Work shall be paid for under the total lump sum project price.
4. Interconnections between various phases of newly installed watermains shall be included in the total lump sum project price.

SECTION 1001 – CONSTRUCTION BEST MANAGEMENT PRACTICES (BMPs)

1001-2.10 **BMP Inspection, Maintenance, and Repair.** To the “WHITEBOOK”, ADD the following:

5. Maintenance activities shall be documented by the QSP or QSD in the Construction BMP Maintenance Log for projects subject to SWPPP requirements. See **Appendix J - SWPPP Construction BMP Maintenance Log.**

1001-3.7 **Payment.** To the “WHITEBOOK”, item 3, subsection “g”, DELETE in its entirety and SUBSTITUTE with the following:

- g) BMP Inspection, Maintenance, Repair, and Construction BMP Maintenance Log.

SECTION 1002 - PERMANENT BEST MANAGEMENT PRACTICES (BMPS)

1002-4.4 **Measurement and Payment.** To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

Payment for Perforated PVC pipes shall be included in the total lump sum project price and shall include all materials, labor, tools, equipment and incidentals (including pipe risers, caps, fittings, pipe penetrations, and joint sealants) and no other payment allowed therefore.

1002-5.4 **Payment.** To the “WHITEBOOK” DELETE in its entirety and SUBSTITUTE with the following:

Payment for underdrain cleanouts shall be included in the total lump sum project price and shall include shoring, backfill, compaction, installation of cleanout including wyes and jointing, pipe risers, gaskets, frames and covers or screw caps and concrete encasements. This shall also include the Work required for testing and acceptance and no other payment allowed, therefore.

1002-7.11 **Measurement and Payment.** To the “WHITEBOOK” DELETE in its entirety and SUBSTITUTE with the following:

Payment for Bioretention Soil Media shall be included in the total lump sum project price and shall include all labor, placement, soil mixture, testing and all other incidentals necessary to install the BSM and no other payment allowed, therefore.

1002-8.7 **Measurement and Payment.** To the “WHITEBOOK” DELETE in its entirety and SUBSTITUTE with the following:

Payment for graded aggregate choker material, open graded aggregate storage material shall be included in the total lump sum project price and shall include all labor, placement, soil mixture, testing and all other incidentals necessary to install the material and no other payment allowed therefore.

SUPPLEMENTARY SPECIAL PROVISIONS
APPENDICES

APPENDIX A
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

(Check one or both)

TO: X 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 NO.: WBS S-00751.02.06 PROJECT TITLE: HICKMAN FIELDS ATHLETIC AREA

PROJECT LOCATION-SPECIFIC: The project is located at 5250 Hickman Field Drive, San Diego, CA 92111 within the Kearny Mesa Community area (Council District 7).

PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego

DESCRIPTION OF NATURE AND PURPOSE OF THE PROJECT: The project consists of renovations to the existing 44-acre Hickman Field park in Kearny Mesa. This includes repair and replacement of irrigation and turf at existing athletic fields, repair and replacement of existing structures, and improvement of existing unpaved access and parking areas. The project will also integrate an aquatic facility consisting of one building and one pool, initially estimated at approximately 7,000 square feet each, which are the elements prompting the amendment to the previously-approved General Development Plan (GDP). All other improvements are consistent with the previously-approved GDP, including the addition of an indoor/outdoor soccer field, a soccer academy building, and other amenities common to community parks such as playgrounds, picnic areas, concession and restroom facilities, shade structures, bleachers, storage, and administration facilities. Directed, focused sport field lighting and facility-wide security lighting are also proposed. The project would not result in impacts to biological or cultural resources, is not located in or adjacent to Multi-Habitat Planning Area (MHPA) and would not require excavation to depths which could impact paleontological resources. The proposed project is also consistent with the Kearny Mesa Community Plan.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego, Public Works
Contact: Ana Del Rincon
525 B Street, Suite 750 (MS 908A)
San Diego, CA 92101
(619) 533-7412

EXEMPT STATUS:

- () MINISTERIAL (SEC. 21080(b)(1); 15268);
() DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
() EMERGENCY PROJECT (SEC. 21080(b)(4); 15269 (b)(c))
(X) CATEGORICAL EXEMPTION: §15301 and §15303
() STATUTORY EXEMPTION:

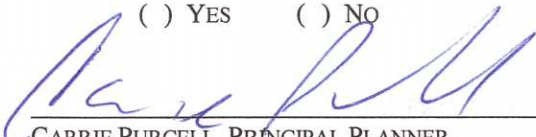
REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review which determined that the improvements proposed qualify for State CEQA Guideline §15301 "Existing Facilities" which allows for minor alteration of existing structures, facilities, mechanical equipment, or topographical features; and §15303 "New Construction or Conversion of Small Structures" which allows for the construction, location and modification of small facilities and structures. The project would not result in impacts to biological or cultural resources, is not located in or adjacent to Multi-Habitat Planning Area (MHPA) and would not require excavation to depths which could impact paleontological resources. The proposed project is also consistent with the Kearny Mesa Community Plan. This project does not trigger any of the exceptions to categorical exemptions found in State CEQA Guideline §15300.2.

LEAD AGENCY CONTACT PERSON: Juan Baligad, Senior Planner 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, PRINCIPAL PLANNER

11/19/2015
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.)

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
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.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
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.

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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

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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

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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

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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.

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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.

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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.) <u>Zip:</u>	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: <input type="text"/>	<input type="checkbox"/>	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. Water stops (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 down drains, 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 Date	5/23/2020
Contract #:	K-XX-XXXX-XXX-X
Contract Amount:	\$5,617,000

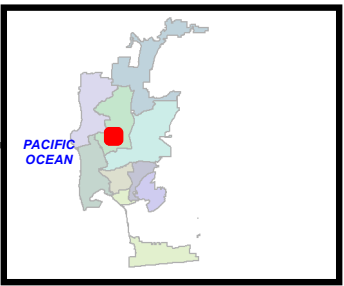
Construction Cash Flow Forecast
 "Sewer and Water Group Job 965 (W)"

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

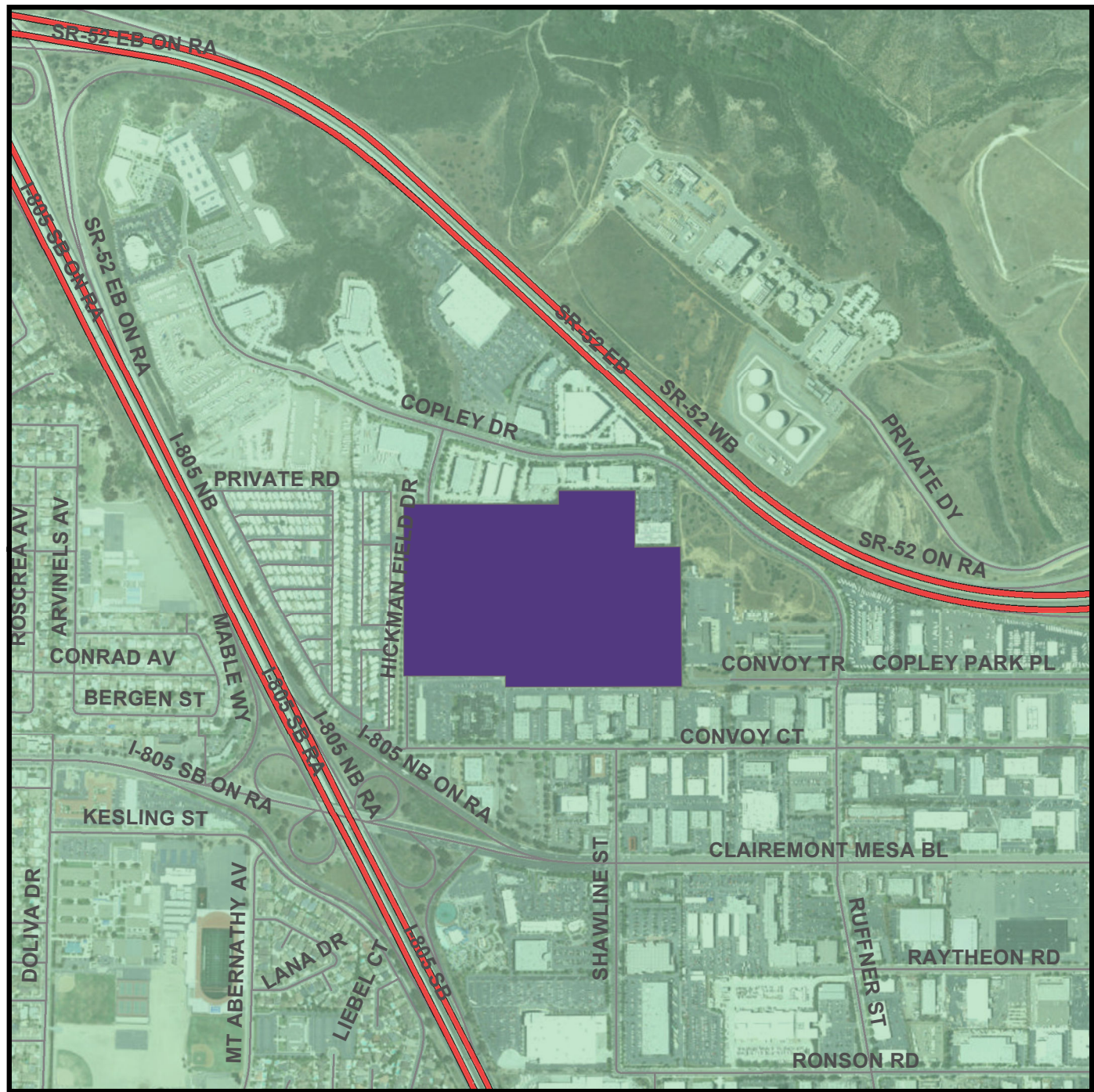
APPENDIX E
LOCATION MAP

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY to SANDAG. This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY to SANDAG. This map is copyrighted by RAND McNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANY.



Hickman Fields Athletic Area

PROJECT OFFICER KEVIN OLIVER (619) 533-5139	PROJECT MANAGER MARK CALLERAN (619) 533-5197	PROJECT ENGINEER JULIANA GROTZINGER (619) 533-6622	FOR QUESTIONS ABOUT THIS PROJECT Call: (619) 533-4207 Email: engineering@sandiego.gov
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LEGEND

 HICKMAN FIELDS ATHLETIC AREA



APPENDIX F

MONTHLY DRINKING WATER DISCHARGE MONITORING FORM

DRINKING WATER DISCHARGE MONITORING FORM

(Use for All Discharges to the Storm Drain)

All discharge activities related to this project comply with the State Water Resources Control Board ORDER WQ 2014-0194-DWQ, STATEWIDE GENERAL NPDES PERMIT FOR DRINKING WATER SYSTEMS DISCHARGES as referenced by (http://www.waterboards.ca.gov/water_issues/programs/npdes/docs/drinkingwater/final_statewide_wqo2014_0194_dwq.pdf), and as follows:

Project Name:		WBS No.:		Watershed No.	
Qualified Person Conducting Tests:		signature			

BMPs MUST BE IN PLACE PRIOR TO ANY SCHEDULED DISCHARGE

Event #1												
Discharge Location ¹	Category ² (Select one)	Notification ³ (Select all that apply)	BMPs in Place ⁴ (Select all that apply)	Volume ⁵ (gal)	Sampling ⁶ (take samples at 10 mins, 50-60 mins & last 10 mins)				Exceedence ⁷			Notes <small>Report exceedence to RE & complete page 2 of 2</small>
					Measure	Unit	Time	Result	Limit	No	Yes	
Inlet Location Start End	Superchlorinated <small>(Chlorine added for disinfection)</small>	TSW <small>(All Categories)</small>	Sweep flow path <small>(gutter, street, etc.)</small>	Total	Chlorine	mg/L			0.1 mg/L= Exceedence			
	Large Volume <small>(≥ 325,850 gal)</small>	PUD <small>(All Categories)</small>	Dechlorination <small>(diffusers, chemicals, etc.)</small>				Reused <small>(if any)</small>					
	Well Dev/Rehab <small>(Not Typical)</small>	Water Board <small>(Large Volume Only)</small>	Inlet Protection		Turbidity	NTU			20 NTU= Exceedence 225 NTU= Exceedence for Ocean			
	Small Volume/Other <small>(No Sampling Required)</small>	County <small>(≥100,000 gal & within ¼ mile of ocean/bay; or if enters the County's MS4)</small>	Erosion Controls									
			Sediment Controls		pH	Unit			Range 6.5 to 8.5			

Event #2												
Discharge Location ¹	Category ² (Select one)	Notification ³ (Select all that apply)	BMPs in Place ⁴ (Select all that apply)	Volume ⁵ (gal)	Sampling ⁶ (take samples at 10 mins, 50-60 mins & last 10 mins)				Exceedence ⁷			Notes <small>Report exceedence to RE & complete page 2 of 2</small>
					Measure	Unit	Time	Result	Limit	No	Yes	
Inlet Location Start End	Superchlorinated <small>(Chlorine added for disinfection)</small>	TSW <small>(All Categories)</small>	Sweep flow path <small>(gutter, street, etc.)</small>	Total	Chlorine	mg/L			0.1 mg/L= Exceedence			
	Large Volume <small>(≥ 325,850 gal)</small>	PUD <small>(All Categories)</small>	Dechlorination <small>(diffusers, chemicals, etc.)</small>				Reused <small>(if any)</small>					
	Well Dev/Rehab <small>(Not Typical)</small>	Water Board <small>(Large Volume Only)</small>	Inlet Protection		Turbidity	NTU			20 NTU= Exceedence 225 NTU= Exceedence for Ocean			
	Small Volume/Other <small>(No Sampling Required)</small>	County <small>(≥100,000 gal & within ¼ mile of ocean/bay; or if enters the County's MS4)</small>	Erosion Controls									
			Sediment Controls		pH	Unit			Range 6.5 to 8.5			

Submit completed Form to RE

Instructional Notes found on the Page 2 of 2

Receiving Water Monitoring

(Complete only if limits exceed on Page 1 of 2)

Event #1	
1) Go to the location where the discharge enters the receiving water.	
<input type="checkbox"/> Accessible <input type="checkbox"/> Unable to Determine <input type="checkbox"/> No Safe Access	
2) If accessible, take photos and complete the visual monitoring below. If unable to determine, stop here. If no safe access, stop here.	
3) Visual Monitoring: Is the discharge into the receiving water...	
...causing erosion	<input type="checkbox"/> Yes <input type="checkbox"/> No
...carrying floating or suspended matter	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing discoloration	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing and impact to the aquatic life present	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with visible film	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with an sheen or coating	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing potential nuisance conditions	<input type="checkbox"/> Yes <input type="checkbox"/> No
3) If all answers are NO, stop here.	
4) If any answers are YES, Notify the RE immediately for further action	

Event #2	
1) Go to the location where the discharge enters the receiving water.	
<input type="checkbox"/> Accessible <input type="checkbox"/> Unable to Determine <input type="checkbox"/> No Safe Access	
2) If accessible, take photos and complete the visual monitoring below. If unable to determine, stop here. If no safe access, stop here.	
3) Visual Monitoring: Is the discharge into the receiving water...	
...causing erosion	<input type="checkbox"/> Yes <input type="checkbox"/> No
...carrying floating or suspended matter	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing discoloration	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing and impact to the aquatic life present	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with visible film	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with an sheen or coating	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing potential nuisance conditions	<input type="checkbox"/> Yes <input type="checkbox"/> No
3) If all answers are NO, stop here.	
4) If any answers are YES, Notify the RE immediately for further action	

Instructional Notes

- ☐☐ Log the location of the inlet or discharge point. For example: Albatross St & 5th Av. Log the start date and time and the end date and time of the discharge.
- ☐☐ Log the discharge category. "Superchlorinated" are discharges where additional chlorine is added in order to adequately disinfect and sanitize drinking water system facilities. This does NOT include potable water containing residual chlorine from the water treatment process. "Large Volume" discharges are greater than 325,850 gallons of total volume for one event. "Well Dev/Rehab" are discharges of potable ground water from a well. This is not typical. If none of these categories apply, then select "Small Volume/Other."
- ☐☐ Notifications of the location, date, time, category, and estimated volume of discharge must be made to the contacts and per the requirements below:

C	W	N	E
TSW	3 days prior to all discharges	SWPPP@SanDiego.gov	
PUD	3 days prior to all discharges	CompReports@SanDiego.gov Rdavenport@SanDiego.gov	
S D W r B rd	3 days prior to Large Volume discharges	SanDiego@WaterBoards.ca.gov Ben.Neill@WaterBoards.ca.gov	
C S D	3 days prior if 100,000 gal and within 1/4 mile of ocean/bay	DEH: Joseph.Palmer@SDCounty.ca.gov Dominique.Edwards@SDCounty.ca.gov	
S D	3 days prior if enter county MS4 or unincorporated County	WPP: Nicholas.DeValle@SDCounty.ca.gov LUEG.Watersheds@sdcounty.ca.gov	

- ☐☐ At a minimum, sweep gutters prior to starting discharge and use dechlorination BMPs. The contractor and RE must monitor and determine if BMPs need to be removed or modified. For example if inlet protection is causing flooding at a storm drain inlet, contractor may elect to remove BMPs. Document any modification to BMPs in the notes
- ☐☐ Total volume must be logged for all discharges. If discharge water is reused for other purposes such as watering a golf course, log that volume under "Reused"
- ☐☐ Sampling is required for categories per the following table:

C	M	S	Fr
S r r r d	Chlorine, Turbidity, pH	first 10 min, 50-60 min, last 10 min	
L r V	Chlorine Turbidity	first 10 min, 50-60 min, last 10 min	
W D /R	Chlorine Turbidity	first 10 min, 50-60 min, last 10 min	
S V /O r	None required	N/A	

- ☐☐ Effluent limitations must be monitored not to exceed per the following table:

M	M	L
C r	Field Measure	0.10 mg/L-Cl
T r d	Visual Estimate	20 NTU for inland waters 225 NTU for ocean 100 NTU for wells
H	Field Measure	6.5 - 8.5

APPENDIX G

CONTRACTOR'S DAILY QUALITY CONTROL INSPECTION REPORT

City of San Diego
Rubber Polymer Modified Slurry
Contractor's Daily Quality Control Inspection Report

Project Title: _____ Date: _____

Ambient Temperature (Start of Work): _____ Time: _____

Environmental Considerations: _____

Locations (Address Range/Cross Streets):

1. _____
2. _____
3. _____

Approved Mix Design: _____

Material Suppliers: _____

RPMS Type(s): _____

Slurry Machine #'s: _____

Estimated Cure Time (Break) of Slurry: _____

Pre-Mix (Per 100 Counts)

Gate Setting/Emulsion %: _____

Aggregate Weight: _____

Cement % (by weight of aggregate): _____

Crumb Rubber % (by volume of cement): _____

Machine Inspection

Leaks: _____

Sprayers: _____

Emulsion Filter: _____

Carbon Black: _____

Spreader Box Inspection

Cleanliness: _____

Augers: _____

Rubbers: _____

Fabric: _____

Runners: _____

City of San Diego
Rubber Polymer Modified Slurry
Contractor's Daily Quality Control Inspection Report

Project Conditions

Crack Fill: _____

Asphalt Deficiencies: _____

Cleanliness: _____

Impediments/Other: _____

Communication to Client/ Resident Engineer

Crack Fill: _____

Asphalt Deficiencies: _____

Cleanliness: _____

Impediments/Other: _____

Test Lab

Tech: _____ Time on Site: _____

Notes

QCP Administrator Signature:

Date Signed:

Appendix G

City of San Diego
Asphalt Concrete Overlay
Contractor's Daily Quality Control Inspection Report

Project Title: _____ Date: _____

Locations: 1. _____
2. _____
3. _____

Asphalt Mix Specification: Attached Supplier: _____

Dig out Locations: 1. _____
2. _____
3. _____

Tack Coat Application Rate @ Locations:
1. _____
2. _____
3. _____

Asphalt Temperature at Placement @ Locations:
1. _____
2. _____
3. _____

Asphalt Depth @Locations:
1. _____
2. _____
3. _____

Compaction Test Result @Locations:
1. _____
2. _____
3. _____

Location and nature of defects:

- 1. _____
- 2. _____
- 3. _____

Remedial and Corrective Actions taken or proposed for Engineer's approval:

- 1. _____
- 2. _____
- 3. _____

Date's City Laboratory representative was present:

- 1. _____
- 2. _____
- 3. _____

Verified the following:

- 1. Proper Storage of Materials & Equipment
- 2. Proper Operation of Equipment
- 3. Adherence to Plans and Specs
- 4. Review of QC Tests
- 5. Safety Inspection

Initials:

- _____
- _____
- _____
- _____
- _____

Deviations from QCP _____ (see attached)

Quality Control Plan Administrator's Signature:

Date Signed:

APPENDIX H
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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• 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

To contact the City of San Diego: SD Public Works 619-533-4207 | engineering@sandiego.gov | sandiego.gov/CIP

To contact the City of San Diego: SD Public Works 619-533-4207 | engineering@sandiego.gov | sandiego.gov/CIP

APPENDIX I

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

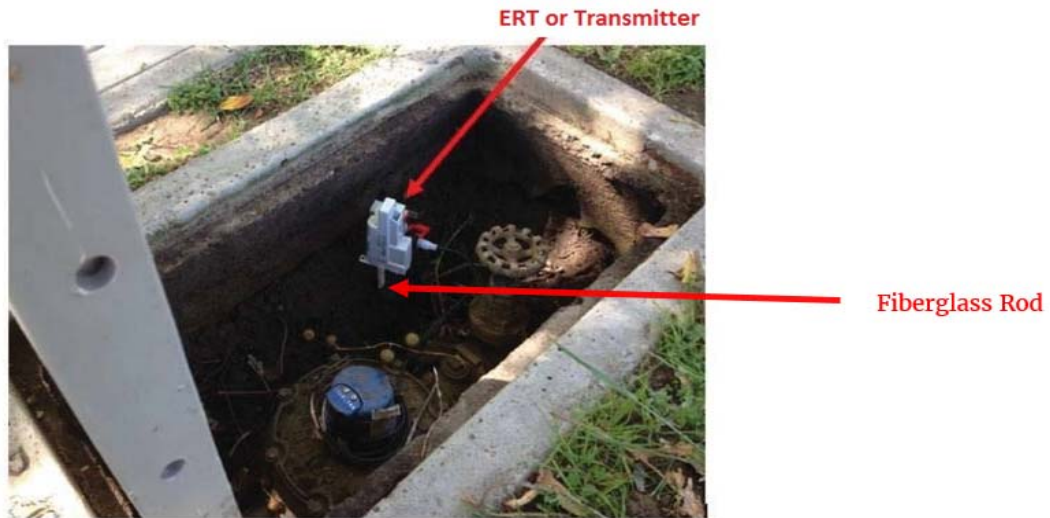


Photo 6 below is an example of disturbance that shall be avoided:

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.

APPENDIX J
SWPPP CONSTRUCTION BMP MAINTENANCE LOG

S PPP Construction BMP Maintenance Log

Examples of construction BMP maintenance activities include but are not limited to tasks listed below. The contractor is ultimately responsible for compliance with the Storm Water Standards Manual and/or the Construction General Permit, and for ensuring all BMPs function per manufacturer's specifications. Use the attached log to schedule and document maintenance activities. The log shall be kept with the project SWPPP document at all times.

Construction BMP Maintenance Activities

- Maintain stabilized construction entrances/exits
- Redress gravel/rock to full coverage and remove any sediment accumulation
- Remove and replace geotextile/compost blanket/plastic with holes or tears
- Redress and restabilize erosion or rilling greater than 1-inch deep
- Reapply hydraulic stabilization products to full coverage
- Remove and replace silt fence/fiber roll/gravel bags/etc. with holes or tears
- Reinstall or replace silt fence/fiber roll/etc. with sags
- Remove sediment accumulation from perimeter controls
- Remove sediment accumulation from storm drain inlet protection and check dams
- Remove sediment accumulation from energy dissipators
- Repair or remove any vehicle/equipment that leaks
- Remove any accumulation in drip pans or containment
- Empty concrete washouts when they reach 75% capacity
- Empty waste disposal containers when they reach 95% capacity

Construction BMP Maintenance Log

Project Title:

WBS/IO No:

WDID:

Scheduled Date/Time	Completion Date/Time	Location	Maintenance Tasks Performed	Logged By

ATTACHMENT F
RESERVED

ATTACHMENT G
CONTRACT AGREEMENT

CONTRACT AGREEMENT

This Phase-Funded contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and Blue Pacific Engineering & Construction, Inc., herein called "Contractor" for construction of **Hickman Field Athletic Area**; Bid No. **K-22-1962-DBB-3**; in the total amount Seven Million Nine Hundred Forty Six Thousand Six Hundred Ninety Five Dollars and Zero Cents (\$7,946,695.00), which is comprised of the base bid plus alternates 1,2,3 and 4, consisting of an amount not to exceed \$7,946,695.00 for Phase I.

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) Phased Funding Schedule Agreement.
 - (e) That certain documents entitled **Hickman Field Athletic Area**, on file in the office of the Purchasing & Contracting Department as Document No. **S-00751**, as well as all matters referenced therein.
2. The City wishes to construct this Project on a Phase-Funded basis. In accordance with Whitebook section 7-3.10, the City is only obligated to pay for Phase I; Contractor cannot begin, nor is the City financially liable for any additional Phases, unless and until Contractor is issued a Notice to Proceed for each additional Phase by the City.
3. 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 **Hickman Field Athletic Area**, Bid Number **K-22-1962-DBB-3**, San Diego, California.
4. 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. (See WHITEBOOK, Section 7-3.10, Phased Funding Compensation).


CONTRACT AGREEMENT (continued)

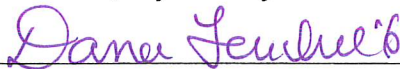
- 5. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 6. This contract 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.

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 

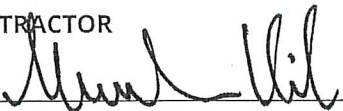
Print Name: Cindy Crocker
Acting Deputy Director
Purchasing & Contracting Department

Print Name: Dana Fairchild
Deputy City Attorney

Date: 5/12/2022

Date: 5/17/2022

CONTRACTOR

By 

Print Name: SHAHRAM ELIHU

Title: PRESIDENT

Date: 3/18/2022

City of San Diego License No.: 2010019612

State Contractor's License No.: 824455

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000003217

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.

CONTRACTOR CERTIFICATION

PRODUCT ENDORSEMENT

I declare under penalty of perjury that I acknowledge and agree to comply with the provisions of City of San Diego Administrative Regulation 95.65, concerning product endorsement. Any advertisement identifying or referring to the City as the user of a product or service requires the prior written approval of the City.

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:

Hickman Field Athlete Area

(Project Title)

as particularly described in said contract and identified as Bid No. **K-22-1962-DBB-3** ; SAP No. (WBS) **S-00751**; 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 – General; Paragraph 2-3 Subcontracts, 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. SUBCONTRACTOR LISTING FOR ALTERNATE ITEMS**
- D. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM**
- E. DEBARMENT AND SUSPENSION CERTIFICATION FOR PRIME CONTRACTOR**
- F. 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 BLUE PACIFIC ENGINEERING CONSTRUCTION, INC. as Principal,
and THE OHIO CASUALTY 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

HICKMAN FIELD ATHLETIC AREA

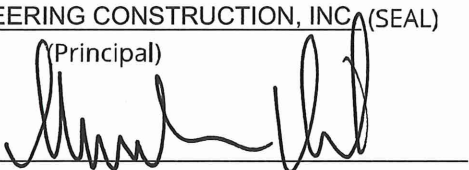
NOW THEREFORE, if said Principal is awarded a contract by said OWNER and, within the time and in
the manner required in the "Notice Inviting Bids" enters into a written Agreement on the form of
agreement bound with said Contract Documents, furnishes the required certificates of insurance, and
furnishes 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 27TH day of DECEMBER, 2021

BLUE PACIFIC
ENGINEERING CONSTRUCTION, INC. (SEAL)

(Principal)

By: _____



(Signature)

SHAHRAM ELIHU, PRESIDENT

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

THE OHIO
CASUALTY INSURANCE COMPANY (SEAL)

(Surety)

By: _____



(Signature)

MARK D. IATAROLA, ATTORNEY-IN-FACT

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

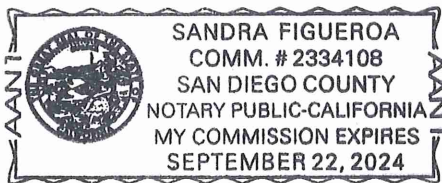
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }
County of SAN DIEGO }

On 12/27/2021 before me, SANDRA FIGUEROA, 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 *Sandra Figueroa*
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: _____



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: 8205111-024100

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Helen Maloney; John G. Maloney; Mark D. Iatarola; Sandra Figueroa; Tracy Holmes; Tracy Lynn Rodriguez

all of the city of Escondido state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 29th day of March, 2021.



Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: [Signature]
David M. Carey, Assistant Secretary

State of PENNSYLVANIA ss
County of MONTGOMERY

On this 29th day of March, 2021 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2025
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: [Signature]
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 27TH day of DECEMBER, 2021.



By: [Signature]
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.

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.

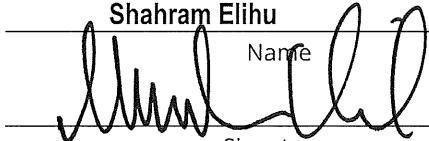
CHECK ONE BOX ONLY.

- 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: Blue Pacific Engineering Construction, Inc.

Certified By Shahram Elihu Title President
Name

Signature Date 01/05/2022

USE ADDITIONAL FORMS AS NECESSARY

SUBCONTRACTORS ADDITIVE/DEDUCTIVE ALTERNATE

*** FOR USE WHEN LISTING SUBCONTRACTORS ON ALTERNATES ***

(Use Additional Sheets As Needed)

ADDITIVE/DEDUCTIVE ALTERNATE	SUBCONTRACTOR NAME, LOCATION, PHONE & EMAIL	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	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
ALT 1,2,3	Name: <u>Public Restroom Company</u> Address: <u>2587 Business Parkway</u> City: <u>Minden</u> State: <u>NV</u> Zip: <u>89423</u> Phone: <u>888-888-2060</u> Email: <u>carla@PublicRestroomCompany.com</u>	constructor	1000005303	822966	Provide and install prefab restrooms	1093131.00	N/A	N/A	N/A
ALT 1 and 4	Name: <u>FenceCorp Inc.</u> Address: <u>2401 Industry Street</u> City: <u>Oceanside</u> State: <u>CA</u> Zip: <u>92057</u> Phone: <u>916-388-0887</u> Email: <u>k.bottorf@fencecorp.us</u>	constructor	1000000850	886544	Provide and install Fencing	203592.00	N/A	N/A	N/A
ALT 1,2,3	Name: <u>Precision Striping Inc</u> Address: <u>545 W Bradley Ave</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92020</u> Phone: <u>619-432-1154</u> Email: <u>precisionstripingsd@gmail.com</u>	constructor	1000051515	1026547	Provide and install prefab restrooms	1093131.00	N/A	N/A	N/A

- ⓐ 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 | | |
- ⓑ 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.

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Legal Name		DBA	
Blue Pacific Engineering Construction, Inc.			
Street Address	City	State	Zip
3545 Camino del Rio South, Suite A, San Diego		CA	92108
Contact Person, Title		Phone	Fax
Shahram Elihu, President		858-956-1456	619-291-0482

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.

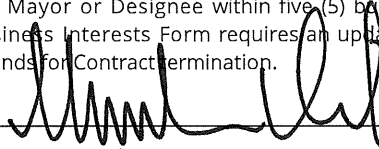
Name	Title/Position
Shahram Elihu	President / Sole Owner
City and State of Residence	Employer (if different than Bidder/Proposer)
Solana Beach CA	
Interest in the transaction	
100% Ownership of Blue Pacific Engineering Construction, Inc.	

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.

Shahram Elihu, President



01/05/2022

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): <i>Bidders</i> and <i>contractors</i> who have been <i>debarred</i> or <i>suspended</i> are excluded from submitting bids, submitting responses to requests for proposal or qualifications, receiving <i>contract</i> awards, executing <i>contracts</i> , participating as a <i>subcontractor</i> , employee, agent or representative of another <i>person</i> 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
Shahram Elihu	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.

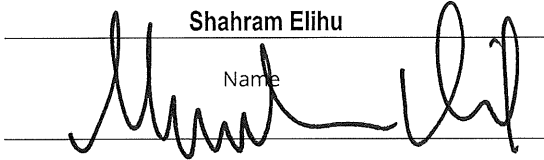
The Bidder, under penalty of perjury, certifies that, except as noted below, he/she or any person associated therewith in the capacity of owner, partner, director, officer, manager:

- 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: Blue Pacific Engineering Construction, Inc.

Certified By Shahram Elihu Title President

Name
Signature Date 01/05/2022

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
CONSTRUCTOR	
FENCECORP INC	
THOMAS PERRY MASSIE	RMO / CEO / PRES

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
CONSTRUCTOR	
R P GENERAL CONSTRUCTION INC	
RAMIRO VELASQUEZ PONCE	RMO / CEO / PRES

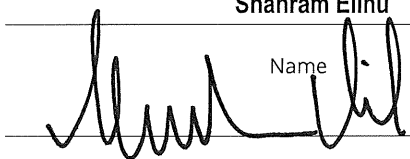
SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
CONSTRUCTOR	
PRECISION STRIPING INC	
TIMOTHY MICHAEL MARTIN	RMO / CEO / PRES

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
CONSTRUCTOR	
THE PUBLIC RESTROOM COMPANY	
CHARLES EDWIN KAUFMAN IV	RMO / CEO / PRES

Contractor Name: Blue Pacific Engineering Construction, Inc.

Certified By Shahram Elihu Title President

 Name Date 01/05/2022
 Signature

USE ADDITIONAL FORMS AS NECESSARY

**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
CONSTRUCTOR	
A B HASHMI INC	
AHMAD BILAL HASHMI	RMO / CEO / PRES

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
SUPPLY ▯ SP STORMWATER SERVICES	
MCGRATH HOLDINGS ▯ INC ▯	
MICHAEL MCGRATH	RMO / CEO / PRES

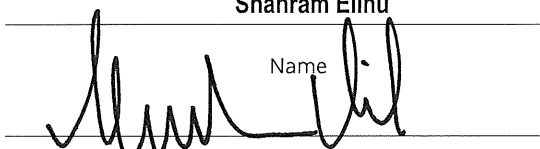
SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

Contractor Name: Blue Pacific Engineering Construction, Inc.

Certified By Shahram Elihu Title President
 Name _____
 Date 01/05/2022
 Signature _____

USE ADDITIONAL FORMS AS NECESSARY

City of San Diego

CITY CONTACT: Celina Suarez, Contract Specialist, Email: CSuarez@sandiego.gov
Phone No. (619) 533-6678

ADDENDUM A



FOR

HICKMAN FIELD ATHLETIC AREA

BID NO.:	<u>K-22-1962-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>S-00751</u>
CLIENT DEPARTMENT:	<u>1714</u>
COUNCIL DISTRICT:	<u>6</u>
PROJECT TYPE:	<u>GA</u>

BID DUE DATE:

2:00 PM
JANUARY 6, 2022

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

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

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.**

James Nagelvoort, Director
Engineering & Capital Projects Department

Dated: *December 13, 2021*
San Diego, California

JN/AJ/mlw

City of San Diego

CITY CONTACT: Celina Suarez, Contract Specialist, Email: CSuarez@sandiego.gov
Phone No. (619) 533-6678

ADDENDUM B



FOR

HICKMAN FIELD ATHLETIC AREA

BID NO.:	<u>K-22-1962-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>S-00751</u>
CLIENT DEPARTMENT:	<u>1714</u>
COUNCIL DISTRICT:	<u>6</u>
PROJECT TYPE:	<u>GA</u>

BID DUE DATE:

**2:00 PM
JANUARY 6, 2022**

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

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

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. BIDDER'S QUESTIONS

Q1. Are CAD drawings going to be made available to Contractors?

A1. CADD drawings will be made available to the awarded contractor.

Q2. Will a 2" double detector check as well as a BFP and 2" meter be required for each of the 2" lines connecting to the existing 16" water main? Should we refer to the City White Book for references?

A2. See construction note #24, sheet C-17.

Q3. There is not a depth shown for the cobblestone to be placed as the top lift in the Biofiltration Basins. Please provide a dimension. Also, the cobble specified to be used is called out as Mesa Buff in the specifications provided by KRC Rock. However, they do not carry a Mesa Buff in their inventory. Please provide an acceptable alternate such as Beach Pebble Buff or Mexican Sunburst.

A3. For cobble depth dimension, see Landscape Construction Legend item 27 on Sheet 40752-47-D. Acceptable alternates to the specified cobble will be evaluated as an Approved Equal. See Supplementary Specification Provision 13. SUBMITTAL OF "OR EQUAL" ITEMS: See Section 4-6, "Trade Names" in The WHITEBOOK and as amended in the SSP. 4-6.

Q4. Will the project require staging in order to accommodate the participants using the sports facilities during construction? If so, is there a staging plan or are we to provide one after award?

A4. Yes, staging will be required. Yes, the contractor is to provide a staging plan after award.

- Q5. Are any of the parking or street surfaces currently paved or can we assume this is a gravel parking facility?
- A5. All existing site road and parking surfaces are unpaved and covered in DG, gravel or soil.
- Q6. Will all construction staking be provided by the City including underground utility staking?
- A6. The City provided consultant surveyor will provide all construction staking including underground utility staking.
- Q7. Is there a shade structure to be installed on this project?
- A7. The shade shelter is the trash enclosure overhead by ICON. See specifications section 214-4.

James Nagelvoort, Director
Engineering & Capital Projects Department

Dated: *December 29, 2021*
San Diego, California

JN/AJ/br/egz

Bid Results

Bidder Details

Vendor Name Blue Pacific Engineering & Construction
Address 3545 Camino del Rio South Suite A
San Diego, California 92108
United States
Respondee Shahram Elihu
Respondee Title President
Phone 858-956-1456
Email richard@bluepacificeng.com
Vendor Type CAU, MALE, PQUAL, CADIR
License # 824455
CADIR 1000003217

Bid Detail

Bid Format Electronic
Submitted 01/06/2022 1:53 PM (PST)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 277091

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
Contractor's Certification of Pending Actions.pdf	Contractor's Certification of Pending Actions.pdf	Contractor's Certification of Pending Actions
Sub Alt Listing.pdf	Sub Alt Listing.pdf	Subcontractor Listing for Alternate Items
Mandatory Disclosure of Business Interests.pdf	Mandatory Disclosure of Business Interests.pdf	Mandatory Disclosure of Business Interests
Debarment and Suspension Certification for Prime Contractor.pdf	Debarment and Suspension Certification for Prime Contractor.pdf	Debarment and Suspension Certification for Prime Contractor
Debarment and Suspension SubsSuppMfgr.pdf	Debarment and Suspension SubsSuppMfgr.pdf	Debarment and Suspension Certification for Subs/Supp/Mfgr
Bid Bond.pdf	Bid Bond.pdf	Bid Bond

Subcontractors

Showing 6 Subcontractors

Name & Address	Desc	License Num	CADIR	Amount	Type
A. B. Hashmi, Inc. 13066 Deer Canyon Court San Diego, California 92131	Concrete and Landscaping (Partial)	798383	1000002125	\$620,000.00	ELBE, DBE, CADIR, PQUAL, Local
FenceCorp Inc. 2401 Industry Street Oceanside, California 92054	Fencing	886544	1000000850	\$203,592.00	Local
McGrath Holdings, Inc PO BOX 2488 El Cajon, California 92021	SWPPP and QSP services	1756161	1000037165	\$2,760.00	ELBE, CADIR, Local
Precision Striping Inc 545 W Bradley Ave El Cajon, California 92020	Striping	1026547	1000051515	\$43,250.00	Local
Public Restroom Company 2587 Business Parkway Minden, Nevada 89423	Provide and install prefab restrooms	822966	1000005303	\$1,093,131.00	CADIR
RP General Construction Inc. 28357 Cole Grade Rd Valley Center, California 92082	Paving (Base Bid Portion)	921361	1000034037	\$586,185.00	CADIR, SLBE, Local

Line Items

Discount Terms No Discount

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
Main Bid							\$5,918,448.00		
1	524126		Bonds (Payment and Performance)	LS	1	\$60,000.00	\$60,000.00	Yes	
2	238990		Construction of Hickman Field Athletic Area per Plans numbered 40752-01-D through 40752-103-D, inclusive, and these specifications, including but not limited to demolition, grading, paving, installation of prefabricated restroom (state approved coach, under the same permit number), drinking fountain, sidewalk and driveways, planting, irrigation systems, stormwater drainage improvements, sewer and water improvements, lighting and electrical improvements, garbage enclosures and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees, excepting therefrom, all work associated with Additive Alternates 1, 2, 3 and 4.	LS	1	\$5,300,000.00	\$5,300,000.00	Yes	
3	238990		Mobilization	LS	1	\$200,000.00	\$200,000.00	Yes	
4			Field Orders (EOC Type II)	AL	1	\$230,448.00	\$230,448.00	Yes	
5	237310		Traffic Control	LS	1	\$20,000.00	\$20,000.00	Yes	
6	541330		SWPPP Development	LS	1	\$5,000.00	\$5,000.00	Yes	
7	237310		SWPPP Implementation	LS	1	\$100,000.00	\$100,000.00	Yes	
8	541330		SWPPP Permit Fee (EOC Type I)	AL	1	\$3,000.00	\$3,000.00	Yes	
Additive Alternate 1							\$250,229.00		
9	238990		Construction of Alternate 1, Northwest Area, per Plans numbered 40752-01-D through 40752-103-D, inclusive (see Additive Alternate Key Map on 40752-2-D for specific sheet numbers associated with this Additive Alternate), and these specifications, including but not limited to demolition, grading, paving, sidewalks, driveway improvements, planting, irrigation, drainage, lighting, garbage enclosure and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees.	LS	1	\$213,000.00	\$213,000.00	Yes	
10	524126		Bonds (Payment and Performance)	LS	1	\$4,000.00	\$4,000.00	Yes	
11	238990		Mobilization	LS	1	\$15,000.00	\$15,000.00	Yes	
12			Field Orders (EOC Type II)	AL	1	\$18,229.00	\$18,229.00	Yes	
Additive Alternate 2							\$495,676.00		
13	238990		Construction of Alternate 2, East Restroom and South Lot, per Plans numbered 40752-01-D through 40752-103-D, inclusive (see Additive Alternate Key Map on 40752-2-D for specific sheet numbers associated with this Additive Alternate), and these specifications, including but not limited to demolition, grading, paving, installation of prefabricated restroom (state approved coach, under the same permit number), drinking fountain, sidewalk, planting, irrigation, drainage, sewer and water improvements, lighting and electrical improvements and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees.	LS	1	\$440,000.00	\$440,000.00	Yes	
14	524126		Bonds (Payment and Performance)	LS	1	\$12,000.00	\$12,000.00	Yes	
15	238990		Mobilization	LS	1	\$20,000.00	\$20,000.00	Yes	
16			Field Orders (EOC Type II)	AL	1	\$23,676.00	\$23,676.00	Yes	
Additive Alternate 3							\$680,816.00		
17	238990		Construction of Alternate 3, Restroom with Concession Prefabricated Building, per Plans numbered 40752-01-D through 40752-103-D, inclusive (see Additive Alternate Key Map on 40752-2-D for specific sheet numbers associated with this Additive Alternate), and these specifications, including but not limited to demolition, grading, paving, installation of prefabricated restroom with concession (state approved coach, under the same permit number), drinking fountain, sidewalk, planting, irrigation, drainage improvements, sewer and water improvements, lighting and electrical improvements and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees.	LS	1	\$650,000.00	\$650,000.00	Yes	
18	524126		Bonds (Payment and Performance)	LS	1	\$7,500.00	\$7,500.00	Yes	
19	238990		Mobilization	LS	1	\$15,000.00	\$15,000.00	Yes	
20			Field Orders (EOC Type II)	AL	1	\$8,316.00	\$8,316.00	Yes	
Additive Alternate 4							\$601,526.00		
21	238990		Construction of Alternate 4, per Plans numbered 40752-01-D through 40752-103-D, inclusive (see Additive Alternate Key Map on 40752-2-D for specific sheet numbers associated with this Additive Alternate), and these specifications, including but not limited to demolition, grading, paving, sidewalk, driveway improvements, planting, irrigation, drainage improvements, lighting and electrical improvements, garbage enclosure and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees.	LS	1	\$530,000.00	\$530,000.00	Yes	
22	524126		Bonds (Payment and Performance)	LS	1	\$12,500.00	\$12,500.00	Yes	
23	238990		Mobilization	LS	1	\$15,000.00	\$15,000.00	Yes	
24			Field Orders (EOC Type II)	AL	1	\$44,026.00	\$44,026.00	Yes	

Line Item Subtotals

Section Title	Line Total
Main Bid	\$5,918,448.00
Additive Alternate 1	\$250,229.00
Additive Alternate 2	\$495,676.00
Additive Alternate 3	\$680,816.00
Additive Alternate 4	\$601,526.00
Grand Total	\$7,946,695.00

Line Totals (Unit Price * Quantity)								
Item Num	Section	Item Code	Description	Reference	Unit of Measure	Quantity	Blue Pacific Engineering & Construction - Unit Price	Blue Pacific Engineering & Construction - Line Total
1	Main Bid	524126	Bonds (Payment and Performance)	1-7.2.1	LS	1	\$60,000.00	\$60,000.00
2	Main Bid	238990	Construction of Hickman Field Athletic Area per Plans numbered 40752-01-D through 40752-103-D, inclusive, and these specifications, including but not limited to demolition, grading, paving, installation of prefabricated restroom (state approved coach, under the same permit number), drinking fountain, sidewalk and driveways, planting, irrigation systems, stormwater drainage improvements, sewer and water improvements, lighting and electrical improvements, garbage enclosures and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees, excepting therefrom, all work associated with Additive Alternates 1, 2, 3 and 4.	7-3.1	LS	1	\$5,300,000.00	\$5,300,000.00
3	Main Bid	238990	Mobilization	7-3.4.1	LS	1	\$200,000.00	\$200,000.00
4	Main Bid		Field Orders (EOC Type II)	7-3.9	AL	1	\$230,448.00	\$230,448.00
5	Main Bid	237310	Traffic Control	601-7	LS	1	\$20,000.00	\$20,000.00
6	Main Bid	541330	SWPPP Development	1001-3.7	LS	1	\$5,000.00	\$5,000.00
7	Main Bid	237310	SWPPP Implementation	1001-3.7	LS	1	\$100,000.00	\$100,000.00

8	Main Bid	541330	SWPPP Permit Fee (EOC Type I)	1001-3.7	AL	1	\$3,000.00	\$3,000.00
							Subtotal	\$5,918,448.00
9	Additive Alternate 1	238990	Construction of Alternate 1, Northwest Area, per Plans numbered 40752-01-D through 40752-103-D, inclusive (see Additive Alternate Key Map on 40752-2-D for specific sheet numbers associated with this Additive Alternate), and these specifications, including but not limited to demolition, grading, paving, sidewalks, driveway improvements, planting, irrigation, drainage, lighting, garbage enclosure and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees.	7-3.1	LS	1	\$213,000.00	\$213,000.00
10	Additive Alternate 1	524126	Bonds (Payment and Performance)	1-7.2.1	LS	1	\$4,000.00	\$4,000.00
11	Additive Alternate 1	238990	Mobilization	7-3.4.1	LS	1	\$15,000.00	\$15,000.00
12	Additive Alternate 1		Field Orders (EOC Type II)	7-3.9	AL	1	\$18,229.00	\$18,229.00
							Subtotal	\$250,229.00

13	Additive Alternate 2	238990	Construction of Alternate 2, East Restroom and South Lot, per Plans numbered 40752-01-D through 40752-103-D, inclusive (see Additive Alternate Key Map on 40752-2-D for specific sheet numbers associated with this Additive Alternate), and these specifications, including but not limited to demolition, grading, paving, installation of prefabricated restroom (state approved coach, under the same permit number), drinking fountain, sidewalk, planting, irrigation, drainage, sewer and water improvements, lighting and electrical improvements and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees.	7-3.1	LS	1	\$440,000.00	\$440,000.00
14	Additive Alternate 2	524126	Bonds (Payment and Performance)	1-7.2.1	LS	1	\$12,000.00	\$12,000.00
15	Additive Alternate 2	238990	Mobilization	7-3.4.1	LS	1	\$20,000.00	\$20,000.00
16	Additive Alternate 2		Field Orders (EOC Type II)	7-3.9	AL	1	\$23,676.00	\$23,676.00
							Subtotal	\$495,676.00

17	Additive Alternate 3	238990	Construction of Alternate 3, Restroom with Concession Prefabricated Building, per Plans numbered 40752-01-D through 40752-103-D, inclusive (see Additive Alternate Key Map on 40752-2-D for specific sheet numbers associated with this Additive Alternate), and these specifications, including but not limited to demolition, grading, paving, installation of prefabricated restroom with concession (state approved coach, under the same permit number), drinking fountain, sidewalk, planting, irrigation, drainage improvements, sewer and water improvements, lighting and electrical improvements and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees.	7-3.1	LS	1	\$650,000.00	\$650,000.00
18	Additive Alternate 3	524126	Bonds (Payment and Performance)	1-7.2.1	LS	1	\$7,500.00	\$7,500.00
19	Additive Alternate 3	238990	Mobilization	7-3.4.1	LS	1	\$15,000.00	\$15,000.00
20	Additive Alternate 3		Field Orders (EOC Type II)	7-3.9	AL	1	\$8,316.00	\$8,316.00
							Subtotal	\$680,816.00

21	Additive Alternate 4	238990	Construction of Alternate 4, per Plans numbered 40752-01-D through 40752-103-D, inclusive (see Additive Alternate Key Map on 40752-2-D for specific sheet numbers associated with this Additive Alternate), and these specifications, including but not limited to demolition, grading, paving, sidewalk, driveway improvements, planting, irrigation, drainage improvements, lighting and electrical improvements, garbage enclosure and other park amenities and appurtenances as shown therein, potholing if applicable, special inspections, permits and fees.	7-3.1	LS	1	\$530,000.00	\$530,000.00
22	Additive Alternate 4	524126	Bonds (Payment and Performance)	1-7.2.1	LS	1	\$12,500.00	\$12,500.00
23	Additive Alternate 4	238990	Mobilization	7-3.4.1	LS	1	\$15,000.00	\$15,000.00
24	Additive Alternate 4		Field Orders (EOC Type II)	7-3.9	AL	1	\$44,026.00	\$44,026.00
							Subtotal	\$601,526.00
							Total	\$7,946,695.00