City Project No. 1-P-22

CITY OF LA HABRA
PUBLIC WORKS AGREEMENT FOR
WOMEN'S CLUB PARK PROJECT
CITY PROJECT No. 1-P-22

THIS AGREEMENT (herein "Agreement"), is made and entered into this 6 day of May, 2024, and between the **CITY OF LA HABRA**, a municipal corporation (herein "City") and **MICON CONSTRUCTION, INC.** (herein "Contractor"). The parties hereto agree as follows:

W I T N E S S E T H :

A. WHEREAS, City requires the construction of various park improvements as set forth more fully in this Agreement.

B. WHEREAS, Contractor represents to City that Contractor is qualified to perform said work and has submitted a proposal to City for the same.

C. WHEREAS, City desires to have Contractor perform said services on the terms and conditions set forth herein.

D. WHEREAS, no official or employee of City has a financial interest, within the provisions of Sections 1090-1092 of the California Government Code, in the subject matter of this Agreement.

NOW, THEREFORE, for and in consideration of the mutual covenants and conditions contained herein and for good and valuable consideration, the receipt and sufficiency of which is acknowledged by both parties, City and Contractor hereby agree as follows:

1.0 DEFINITIONS

1.1 Definitions. As used in this Agreement, the following definitions shall be applicable:

(a) Contractor. Contractor shall mean MICON CONSTRUCTION, INC., a California corporation located at 1616 Sierra Madre Circle, Placentia, CA 92870.

(b) City. City shall mean the City of La Habra, a Municipal Corporation and General Law City, located at 110 E. La Habra Blvd, La Habra, California 90631.

(c) City Council. City Council shall mean the City Council of the City of La Habra.

(d) Contract Officer shall mean the person designated by the City Manager or City Engineer of City and shall have the duties set forth in Section 5.2.

(e) Services. Services shall mean the services to be performed by the Contractor pursuant to this Agreement.

(f) Satisfactory. Satisfactory shall mean satisfactory to the City Manager or his/her designee.

2.0 SERVICES OF CONTRACTOR

2.1 Scope of Services. In compliance with all terms and conditions of this Agreement, the Contractor shall provide those services specified in the "Scope of Services" attached hereto as Exhibit "A" and incorporated herein by this reference, which services may be referred to herein as the "services" or "work" hereunder. As a material inducement to the City entering into this Agreement, Contractor represents and warrants that Contractor is a provider of first class work and services and Contractor is experienced in performing the work and services contemplated herein and, in light of such status and experience, Contractor covenants that it shall follow the highest professional standards in performing the work and services required hereunder and that all materials will be of good quality, fit for the purpose intended.

2.2 Documents Included in Contract. This contract consists of this Agreement and any Exhibits, which are incorporated herein by this reference. In the event of an inconsistency, the terms of this Agreement shall govern.

2.3 Compliance with Law. All services rendered hereunder shall be provided in accordance with all ordinances, resolutions, statutes, rules, and regulations of the City and any Federal, State or local governmental agency having jurisdiction in effect at the time service is rendered, including but not limited to, the claims procedure set forth in Public Contract Code Section 9204, a summary of which is attached to this agreement as Exhibit "D."

2.4 Licenses, Permits, Fees and Assessments. Contractor shall obtain at its sole cost and expense such licenses, permits and approvals as may be required by law for the performance of the services required by this Agreement, including registration with the Department of Industrial Relations of the State of California as required by Labor Code Section 1725.5 before commencing performance under this Agreement. Contractor shall have the sole obligation to pay for any fees, assessments and taxes, plus applicable penalties and interest, which may be imposed by law and arise from or are necessary for the Contractor's performance of the services required by this Agreement, and shall indemnify, defend and hold harmless City against any such fees, assessments, taxes penalties or interest levied, assessed or imposed against City hereunder. Contractor shall be responsible for all subcontractors' compliance with this Section 2.4.

2.5 Familiarity with Work. By executing this Contract, Contractor warrants that Contractor (a) has thoroughly investigated and considered the scope of services to be performed, (b) has carefully considered how the services should be performed, and (c) fully understands the facilities, difficulties and restrictions attending performance of the services under this Agreement. If the services involve work upon any site, Contractor warrants that Contractor has or will investigate the site and is or will be fully acquainted with the conditions there existing, prior to commencement of services hereunder. Should Contractor discover any latent or unknown conditions, which will materially affect the performance of the services hereunder, Contractor shall immediately inform the City of such fact and shall not proceed except at Contractor's risk until written instructions are received from the Contract Officer.

2.6 Standard of Performance. Contractor, its subcontractors and their employees, in the performance of Contractor's work under this Agreement shall be responsible for exercising the degree of skill and care required by customarily accepted good professional practices and procedures used in the Contractor's field.

Any costs for failure to meet the foregoing standard or to correct otherwise defective work that requires re-performance of the work, shall be borne in total by the Contractor and not by the City. The failure of a

project to achieve the performance goals and objectives stated in this Agreement is not a basis for requesting re-performance unless the work conducted by Contractor and/or its subcontractors is deemed by the City to have failed the foregoing standard of performance.

In the event Contractor fails to perform in accordance with the above standard:

1. Contractor will re-perform, at its own expense, any task which was not performed to the reasonable satisfaction of City. Any work re-performed pursuant to this paragraph shall be completed within the time limitations originally set forth for the specific task involved. Contractor shall work any overtime required to meet the deadline for the task at no additional cost to the City;

2. The City shall provide a new schedule for the re-performance of any task pursuant to this paragraph in the event that re-performance of a task within the original time limitations is not feasible; and

3. The City shall have the option to direct Contractor not to re-perform any task which was not performed to the reasonable satisfaction of the City Engineer pursuant to application of (1) and (2) above. In the event the City directs Contractor not to re-perform a task, the City shall negotiate a reasonable settlement for satisfactory work performed. No previous payment shall be considered a waiver of the City's right to reimbursement.

Nothing contained in this section is intended to limit any of the rights or remedies which the City may have under law.

2.7 Care of Work. The Contractor shall adopt reasonable methods during the life of the Agreement to furnish continuous protection to the work, and the equipment, materials, papers, documents, plans, studies and/or other components thereof to prevent losses or damages, and shall be responsible for all such damages, to persons or property, until acceptance of the work by City, except such losses or damages as may be caused by City's own negligence.

2.8 Further Responsibilities of Parties. Both parties agree to use reasonable care and diligence to perform their respective obligations under this Agreement. Both parties agree to act in good faith to execute all instruments, prepare all documents and take all actions as may be reasonably necessary to carry out the purposes of this Agreement. Unless hereafter specified, neither party shall be responsible for the service of the other. Contractor shall require all subcontractors to comply with the provisions of this agreement.

2.9 Additional Services. City shall have the right at any time during the performance of the services, without invalidating this Agreement, to order extra work beyond that specified in the Scope of Services or make changes by altering, adding to or deducting from said work. No such extra work may be undertaken unless a written change order is first given by the Contract Officer to the Contractor, incorporating therein any adjustment in (i) the Contract Sum as set forth in Section 3.1, and/or (ii) the time to perform this Agreement, which said adjustments are subject to the written approval of the Contractor. Any increase in compensation of twenty five percent (25%) or less of the Contract Sum, or in the time to perform of one hundred eighty (180) days or less may be approved by the Contract Officer. Any increases, taken either separately or cumulatively, that result in the Contract Sum exceeding $25,000 must be approved by the City Council. It is expressly understood by Contractor that the provisions of this Section shall not apply to services specifically set forth in the Scope of Services or reasonably contemplated therein. Contractor hereby acknowledges that it accepts the risk that the services to be provided pursuant to the Scope of Services may be more costly or time consuming than Contractor anticipates and that Contractor shall not be entitled to additional compensation therefore.

2.10 Prevailing Wage Laws. Contractor represents and warrants that it is registered with the Department of Industrial Relations pursuant to SB 854 and Labor Code 1725.5. Contractor shall ensure that its subcontractors comply with said requirements. In accordance with Labor Code Section 1770 et seq., the Director of the Department of Industrial Relations of the State of California has ascertained a general prevailing rate of wages, which is the minimum amount, which shall be paid to all workers employed to perform the work pursuant to this Agreement. A copy of the general prevailing wage rate determination is on file in the Office of the City Clerk and is hereby incorporated by reference into this Agreement. In accordance with the provisions of Labor Code Section 1810 et seq., eight (8) hours is the legal working day. Contractor must forfeit to the City Twenty Five Dollars ($25.00) a day for each worker who works in excess of the minimum working hours when Contractor does not pay overtime. Contractor is required to post a copy of such wage rates at all times at the contract site. The statutory penalties for failure to pay prevailing wage or to comply with State wage and hour laws will be enforced. Contractor also shall comply with State law requirements to maintain payroll records and shall provide for certified records and inspection of records as required by California Labor Code Section 1770 et. seq., including Section 1776. Contractor shall comply with all statutory requirements relating to the employment of apprentices.

3.0 COMPENSATION

3.1 Contract Sum. For the services rendered pursuant to this Agreement, the Contractor shall be compensated as specified herein, but not exceeding the maximum contract amount of One Million Five Hundred Fifty Nine Thousand Nine Hundred Eighty-Two Dollars ($1,559,982) (herein "Contract Sum"), except as provided in Section 2.9. The Contract Sum shall include the attendance of Contractor at all project meetings reasonably deemed necessary by the City; Contractor shall not be entitled to any additional compensation for attending said meetings.

3.2 Progress Payments. Prior to the first day of the month, during the progress of the work, commencing on the day and month specified in the Agreement, Contractor shall submit to the Contract Officer a complete itemized statement of all labor and materials incorporated into the work during the preceding month and the portion of the contract sum applicable thereto. Upon approval in writing by the Contract Officer, payment shall be made in thirty (30) days. City shall pay Contractor a sum based upon ninety-five percent (95%) of the contract price apportionment of the labor and materials incorporated into the work under the contract during the month covered by said statement. The remaining five percent (5%) thereof shall be retained as performance security. Refer to Section 8.4 of this Agreement for retention of funds.

4.0 PERFORMANCE SCHEDULE

4.1 Time of Essence. Time is of the essence in the performance of this Agreement.

4.2 Schedule of Performance. Contractor shall commence the services pursuant to this Agreement upon receipt of a written notice to proceed and shall perform all services within the time period(s) established in Exhibit "A", and incorporated herein by this reference. When requested by the Contractor, extensions to the time period(s) specified in the Scope of Services may be approved in writing by the Contract Officer.

4.3 Force Majeure. The time period(s) specified in the Scope of Services for performance of the services rendered pursuant to this Agreement shall be extended because of any delays due to unforeseeable causes beyond the control and without the fault or negligence of the Contractor, including, but not restricted to, acts of God or of the public enemy, unusually severe weather, fires, earthquakes, floods, epidemics, quarantine restrictions, riots, strikes, freight embargoes, wars, litigation, and/or acts of any governmental agency, including

the City, if the Contractor shall within ten (10) days of the commencement of such delay notify the Contract Officer in writing of the causes for the delay. The Contract Officer shall ascertain the facts and the extent of delay, and extend the time for performing the services for the period of the enforced delay when and if in the judgment of the Contract Officer such delay is justified. The Contract Officer's determination shall be final and conclusive upon the parties to this Agreement.

4.4 Term. Unless earlier terminated in accordance with Section 8.9 of this Agreement, this Agreement shall continue in full force and effect until final approval and acceptance of the project by the Contract Officer. Notwithstanding the foregoing, this Agreement shall terminate no later than June, 2025, unless the parties mutually agree in writing to extend the term.

5.0 COORDINATION OF WORK

5.1 Representative of Contractor. The following principals of Contractor are hereby designated as being the principals and representatives of Contractor authorized to act in its behalf with respect to the work specified herein and make all decisions in connection therewith:

Mitch Holle, President
Micon Construction, Inc.
1616 Sierra Madre Circle
Placentia, CA 92870

It is expressly understood that the experience, knowledge, capability and reputation of the foregoing principals were a substantial inducement for City to enter into this Agreement. Therefore, the foregoing principals shall be responsible during the term of this Agreement for directing all activities of Contractor and devoting sufficient time to personally supervise the services hereunder. For purposes of this Agreement, the foregoing principals may not be replaced nor may their responsibilities be substantially reduced by Contractor without the express written approval of City.

5.2 Contract Officer. The Contract Officer shall be such person as may be designated by the City Manager or City Engineer of City. It shall be the Contractor's responsibility to assure that the Contract Officer is kept informed of the progress of the performance of the services and the Contractor shall refer any decisions that must be made by City to the Contract Officer. Unless otherwise specified herein, any approval of City required hereunder shall mean the approval of the Contract Officer. The Contract Officer shall have authority to sign all documents on behalf of the City required hereunder to carry out the terms of this Agreement.

5.3 Prohibition Against Assignment. The experience, knowledge, capability and reputation of Contractor, its principals and employees were a substantial inducement for the City to enter into this Agreement. Neither this Agreement nor any interest herein may be transferred, assigned, conveyed, hypothecated or encumbered voluntarily or by operation of law, whether for the benefit of creditors or otherwise, without the prior written approval of City. Transfers restricted hereunder shall include the transfer to any person or group of persons acting in concert of more than twenty five percent (25%) of the present ownership and/or control of Contractor, taking all transfers into account on a cumulative basis. In the event of any such unapproved transfer, including any bankruptcy proceeding, this Agreement shall be void. No approved transfer shall release the Contractor or any surety of Contractor of any liability hereunder without the express consent of City.

5.4 Independent Contractor. Neither the City nor any of its employees shall have any control over the manner, mode or means by which Contractor, its subcontractors, agents or employees,

performs the services required herein, except as otherwise set forth herein. City shall have no voice in the selection, discharge, supervision or control of Contractor's employees, subcontractors, servants, representatives or agents, or in fixing their number, compensation or hours of service. Contractor shall perform all services required herein as an independent contractor of City and shall remain at all times as to City a wholly independent contractor with only such obligations as are consistent with that role. Contractor shall not at any time or in any manner represent that it or any of its subcontractors, agents or employees are agents or employees of City. City shall not in any way or for any purpose become or be deemed to be a partner of Contractor in its business or otherwise or a joint venture or a member of any joint enterprise with Contractor.

5.5 Identity of Persons Performing Work. Contractor represents that it employs or will employ at its own expense all personnel required for the satisfactory performance of any and all tasks and services set forth herein. Contractor represents that the tasks and services required herein will be performed by Contractor or under its direct supervision, and that all personnel engaged in such work shall be fully qualified and shall be authorized and permitted under applicable State and local law to perform such tasks and services.

5.6 Utility Relocation. City is responsible for removal, relocation, or protection of existing main or trunkline utilities to the extent such utilities were not identified in the invitation for bids or specifications. City shall reimburse contractor for any costs incurred in locating, repairing damage not caused by contractor and removing or relocating such unidentified utility facilities, including equipment idled during such work. Contractor shall not be assessed liquidated damages for delay arising from the removal or relocation of such unidentified utility facilities.

5.7 Trenches or Excavations. Pursuant to California Public Contract Code Section 7104, in the event the work included in this Agreement requires excavations more than four (4) feet in depth, the following shall apply.

(a) Contractor shall promptly, and before the following conditions are disturbed, notify City, in writing, of any: (1) material that Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law; (2) Subsurface or latent physical conditions at the site different from those indicated; or (3) Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the contract.

(b) City shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in Contractor's cost of, or the time required for, performance of any part of the work shall issue a change order per Section 2.9 of this Agreement.

(c) That, in the event that a dispute arises between City and Contractor whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in Contractor's cost of, or time required for, performance of any part of the work, Contractor shall not be excused from any scheduled completion date provided for by the contract, but shall proceed with all work to be performed under the contract. Contractor shall retain any and all rights provided either by contract or by law, which pertain to the resolution of disputes and protests between the contracting parties.

6.0 INSURANCE, INDEMNIFICATION AND BONDS

6.1 Insurance. The Contractor and all subcontractors, if any, shall procure and maintain, at its sole cost and expense, in a form and content satisfactory to City, during the entire term of this Agreement including any extension thereof, insurance as set forth in Exhibit "B" attached hereto and incorporated herein by this reference.

Conditions:
The insurance of surety companies who provide or issue the policy shall have been admitted to do business in the State of California with a credit rating of A- or better.

This insurance shall not be canceled, limited in scope or coverage or non-renewed until after thirty (30) days prior written notice has been given to the Public Works Director, City of La Habra, 110 E. La Habra Blvd., La Habra, California 90631.

Any insurance maintained by the City of La Habra shall apply in excess of and not combined with insurance provided by this policy.

The City of La Habra, its officers, employees, representatives, attorneys, and volunteers shall be named as additional named insureds.

Prior to commencement of any work under this contract, Contractor shall deliver to the City insurance endorsements confirming the existence of the insurance required by this contract, and including the applicable clauses referenced above.

Such endorsements shall be signed by an authorized representative of the insurance company and shall include the signator's company affiliation and title. Should it be deemed necessary by the City, it shall be Contractor's responsibility to see that the City receives documentation, acceptable to the City, which sustains that the individual signing said endorsements is indeed authorized to do so by the insurance company.

If the Contractor fails to maintain the aforementioned insurance, or secure and maintain the aforementioned endorsement, the City may obtain such insurance, and deduct and retain the amount of the premiums for such insurance from any sums due under the agreement. However, procuring of said insurance by the City is an alternative to other remedies the City may have, and is not the exclusive remedy for failure of Contractor to maintain said insurance or secure said endorsement. In addition to any other remedies the City may have upon Contractor's failure to provide and maintain any insurance or policy endorsements to the extent and within the time herein required, the City shall have the right to order Contractor to stop work hereunder, and/or withhold any payment(s) which became due to Contractor hereunder until Contractor demonstrates compliance with the requirements hereof.

Nothing herein contained shall be construed as limiting in any way the extent to which Contractor may be held responsible for payments of damages to persons or property resulting from Contractor's or its subcontractor's performance of the work covered under this agreement.

Each contract between the Contractor and any subcontractor shall require the subcontractor to maintain the same policies of insurance that the Contractor is required to maintain pursuant to this Section 6.1 and Exhibit "B".

6.2 Certificates of Insurance. Contractor shall provide to City certificates of insurance showing the insurance coverages and required endorsements described above, in a form and content approved by City, prior to performing any services under this Agreement. The certificates of insurance and endorsements shall be attached to this Agreement as Exhibit "C", and are incorporated herein by this reference.

6.3 Indemnification. Contractor shall defend, indemnify, hold free and harmless the City of La Habra, its elected and appointed officials, officers, agents and employees, at Contractor's sole expense, from and against any and all actions, suits, claims, damages to persons or property, losses, costs, penalties, obligations, errors, omissions or liabilities, (herein "claims or liabilities") that may be asserted or claimed by any person, firm or entity arising or alleged to arise out of or in connection with the performance of the work, operations or activities of Contractor, its agents, employees, subcontractors, or invitees, provided for herein, or arising or alleged to arise from the negligent acts or omissions of Contractor hereunder, or arising or alleged to arise from Contractor's performance of or failure to perform any term, provision, covenant or condition of this Agreement.

(a) Contractor will defend any action or actions filed in connection with any of said claims or liabilities and will pay all costs and expenses, including legal costs and attorneys' fees incurred in connection therewith.

(b) Contractor will promptly pay any judgment rendered against the City, its officers, agents or employees for any such claims or liabilities arising or alleged to arise out of or in connection with Contractor's (or its agents', employees', subcontractors' or invitees') negligent performance of or failure to perform such work, operations or activities hereunder; and Contractor agrees to save and hold the City, its officers, agents, and employees harmless therefrom.

(c) In the event the City, its officers, agents or employees is made a party to any action or proceeding filed or prosecuted against Contractor for such damages or other claims arising or alleged to arise out of or in connection with the performance of or failure to perform the work, operation or activities of Contractor hereunder, Contractor shall pay to the City, its officers, agents or employees, any and all costs and expenses incurred by the City, its officers, agents or employees in such action or proceeding, including but not limited to, legal costs and attorneys' fees for counsel selected by City.

(d) Contractor's duty to defend and indemnify as set out in this Section 6.3 shall include any claims, liabilities, obligations, losses, demands, actions, penalties, suits, costs, expenses or damages or injury to persons or property arising or alleged to arise from, in connection with, as a consequence of or pursuant to any state or federal law or regulation regarding hazardous substances, including but not limited to the Federal Insecticide, Fungicide and Rodenticide Act ("FIFRA"), Comprehensive Environmental Response, Compensation and Liability Act of 1980 ("CERCLA"), Resource Conservation and Recovery Act of 1976 ("RCRA"), the Hazardous and Solid Waste Amendments of 1984, the Hazardous Material Transportation Act, the Toxic Substances control Act, the Clean Air Act, the Clean Water Act, the California Hazardous Substance Account Act, the California Hazardous Waste Control Law or the Porter-Cologne Water Quality Control Act, as any of those statutes may be amended from time to time.

Notwithstanding the foregoing, Contractor shall not be liable for the defense or indemnification of the City for claims, actions, complaints or suits arising out of the sole active negligence or willful misconduct of the City.

The Contractor's indemnification obligations pursuant to this Section 6.3 shall survive the termination of this Agreement. Contractor shall require the same indemnification from all subcontractors.

6.4 Labor and Materials and Performance Bonds. Concurrently with execution of this Agreement, Contractor shall deliver to City a labor and materials bond and a performance bond each in the sum of the amount of this Agreement, in the forms provided by the City Clerk, which secures the faithful performance of this Agreement. The bonds shall contain the original notarized signature of an authorized officer of the surety and affixed thereto shall be a certified and current copy of his power of attorney. The bonds shall be unconditional and remain in force during the entire term of the Agreement and shall be null and void only if the Contractor promptly and faithfully performs all terms and conditions of this Agreement.

6.5 Sufficiency of Insurer or Surety. Insurance required by this Agreement shall be satisfactory only if issued by companies qualified to do business in California, rated "A" or better in the most recent edition of Best Rating Guide, The Key Rating Guide or in the Federal Register, and only if they are of a financial category Class VII or better, unless such requirements are waived by the Risk Manager of the City due to unique circumstances.

6.6 Substitution of Securities. Pursuant to California Public Contract Code Section 22300, substitution of eligible equivalent securities for any monies withheld to ensure performance under the contract for the work to be performed will be permitted at the request and expense of the successful bidder.

7.0 RECORDS AND REPORTS

7.1 Reports. Contractor shall periodically prepare and submit to the Contract Officer such reports concerning the performance of the services required by this Agreement as the Contract Officer shall require. Contractor hereby acknowledges that the City is greatly concerned about the cost of work and services to be performed pursuant to this Agreement. For this reason, Contractor agrees that if Contractor becomes aware of any facts, circumstances, techniques, or events that may or will materially increase or decrease the cost of the work or services contemplated herein or, if Contractor is providing design services, the cost of the project being designed, Contractor shall promptly notify the Contract Officer of said fact, circumstance, technique or event and the estimated increased or decreased cost related thereto and, if Contractor is providing design services, the estimated increased or decreased cost estimate for the project being designed.

7.2 Records. Contractor shall keep, and require subcontractors to keep, such books and records (including but not limited to payroll records as required herein) as shall be necessary to perform the services required by this Agreement and enable the Contract Officer to evaluate the performance of such services. The Contract Officer shall have full and free access to such books and records at all times during normal business hours of City, including the right to inspect, copy, audit and make records and transcripts from such records. Such records shall be maintained for a period of three (3) years following completion of the services hereunder, and the City shall have access to such records in the event any audit is required.

7.3 Ownership of Documents. All drawings, specifications, reports, records, documents and other materials prepared by Contractor, its employees, subcontractors and agents in the performance of this Agreement shall be the property of City and shall be delivered to City upon request of the Contract Officer or upon the termination of this Agreement, and Contractor shall have no claim for further employment or additional compensation as a result of the exercise by City of its full rights of ownership of the documents and materials hereunder. Contractor may retain copies of such documents for its own use. Contractor shall have an unrestricted right to use the concepts embodied therein. All subcontractors shall

provide for assignment to City of any documents or materials prepared by them, and in the event Contractor fails to secure such assignment, Contractor shall indemnify City for all damages resulting therefrom.

7.4 Public Records Act Disclosure. Contractor has been advised and is aware that this Agreement and all reports, documents, information and data, including, but not limited to, computer tapes, discs or files furnished or prepared by Contractor, or any of its subcontractors, pursuant to this Agreement and provided to City may be subject to public disclosure as required by the California Public Records Act (California Government Code Section 7920.000 *et seq.*). Exceptions to public disclosure may be those documents or information that qualify as trade secrets, as that term is defined in the California Government Code Section 7924.510, and of which Contractor informs City of such trade secret. The City will endeavor to maintain as confidential all information obtained by it that is designated as a trade secret. The City shall not, in any way, be liable or responsible for the disclosure of any trade secret including, without limitation, those records so marked if disclosure is deemed to be required by law or by order of the Court.

8.0 GENERAL PROVISIONS

8.1 Governing Law. This Agreement shall be construed and interpreted both as to validity and to performance of the parties in accordance with the laws of the State of California. Legal actions concerning any dispute, claim or matter arising out of or in relation to this Agreement shall be instituted in the Superior Court of the County of Orange, State of California, or any other appropriate court in such county, and Contractor covenants and agrees to submit to the personal jurisdiction of such court in the event of such action.

8.2 Representatives. The City Manager or his or her designee shall be the representative of City for purposes of this Agreement and may issue all consents, approvals, directives and agreements on behalf of the City, called for by this Agreement, except as otherwise expressly provided in this Agreement.

The Principal set forth in Section 5.1 above shall be the representative for Contractor for purposes of this Agreement, and shall be authorized to issue all consents, approvals, directives and agreements on behalf of Contractor called for by this Agreement, except as otherwise expressly provided in this Agreement.

8.3 Disputes. In the event either party fails to perform its obligations hereunder, the nondefaulting party shall provide the defaulting party written notice of such default. The defaulting party shall have ten (10) days to cure the default; provided that, if the default is not reasonably susceptible to being cured within said ten (10) day period, the defaulting party shall have a reasonable time to cure the default, not to exceed a maximum of thirty (30) days, so long as the defaulting party commences to cure such default within ten (10) days of service of such notice and diligently prosecutes the cure to completion; provided further that if the default is an immediate danger to the health, safety and general welfare, the defaulting party shall take such immediate action as may be necessary. Notwithstanding the foregoing, the nondefaulting party may, in its sole and absolute discretion, grant a longer cure period. Should the defaulting party fail to cure the default within the time period provided in this Section, the nondefaulting party shall have the right, in addition to any other rights the nondefaulting party may have at law or in equity, to terminate this Agreement. Compliance with the provisions of this Section 8.3 shall be a condition precedent to bringing any legal action, and such compliance shall not be a waiver of any party's right to take legal action in the event that the dispute is not cured.

8.4 Retention of Funds. Progress payments shall be made in accordance with the provisions of Section 3.2 of this Agreement. In accordance with said section, City shall pay Contractor a sum based upon ninety-five percent (95%) of the contract price apportionment of the labor and materials

incorporated into the work under the contract during the month covered by said statement. The remaining five percent (5%) thereof shall be retained as performance security to be paid to the Contractor within sixty (60) days after final acceptance of the work by the City Council, after Contractor shall have furnished City with a release of all undisputed contract amounts if required by City. In the event there are any claims specifically excluded by Contractor from the operation of the release, the City may retain proceeds (per Public Contract Code 7107) of up to 150% of the amount in dispute. City's failure to deduct or withhold shall not affect Contractor's obligations hereunder.

8.5 Waiver. No delay or omission in the exercise of any right or remedy by a nondefaulting party on any default shall impair such right or remedy or be construed as a waiver. A party's consent to or approval of any act by the other party requiring the party's consent or approval shall not be deemed to waive or render unnecessary the other party's consent to or approval of any subsequent act. Any waiver by either party of any default must be in writing and shall not be a waiver of any other default concerning the same or any other provision of this Agreement.

8.6 Rights and Remedies. Rights and Remedies are cumulative except with respect to rights and remedies expressly declared to be exclusive in this Agreement, the rights and remedies of the parties are cumulative and the exercise by either party of one or more of such rights or remedies shall not preclude the exercise by it, at the same or different times, of any other rights or remedies for the same default or any other default by the other party.

8.7 Legal Action. In addition to any other rights or remedies, either party may take legal action, in law or in equity, to cure, correct or remedy any default, to recover damages for any default, to compel specific performance of this Agreement, to obtain declaratory or injunctive relief, or to obtain any other remedy consistent with the purposes of this Agreement.

8.8 Liquidated Damages. Since the determination of actual damages for any delay in performance of this Agreement would be extremely difficult or impractical to determine in the event of a breach of this Agreement, the Contractor and its sureties shall be liable for and shall pay to the City One Thousand Dollars ($1,000.00) as liquidated damages for each working day of delay in the performance of any service required hereunder, as specified in the Scope of Services (Exhibit "A"). The City may withhold from any monies payable on account of services performed by the Contractor any accrued liquidated damages.

8.9 Termination for Default of Contractor. If termination is due to the failure of the Contractor to fulfill its obligations under this Agreement, Contractor shall vacate any City owned property which Contractor is permitted to occupy hereunder and City may, after compliance with the provisions of Section 8.3, take over the work and prosecute the same to completion by contract or otherwise, and the Contractor shall be liable to the extent that the total cost for completion of the services required hereunder exceeds the compensation herein stipulated (provided that the City shall use reasonable efforts to mitigate such damages), and City may withhold any payments to the Contractor for the purpose of setoff or partial payment of the amounts owed the City as previously stated.

8.10 Notice. Any notice, demand, request, document, consent, approval, or communication either party desires or is required to give to the other party or any other person shall be in writing and shall be deemed to be given when served personally or deposited in the US Mail, prepaid, first-class mail, return receipt requested, addressed as follows:

To City: City of La Habra
110 E. La Habra Blvd
La Habra, California 90631

Attn.: Albert Mendoza

To Contractor:

Mitch Holle, President
Micon Construction, Inc.
1616 Sierra Madre Circle,
Placentia, CA 92870

8.11 Non-liability of City Officers and Employees. No officer or employee of the City shall be personally liable to the Contractor, or any successor in interest, in the event of any default or breach by the City or for any amount which may become due to the Contractor or to its successor, or for breach of any obligation of the terms of this Agreement.

8.12 Conflict of Interest. The Contractor warrants that it has not paid or given and will not pay or give any third party any money or other consideration for obtaining this Agreement.

Contractor and its officers, employees, associates and subcontractors, if any, will comply with all conflict of interest statutes of the State of California applicable to Contractor's services under this agreement, including, but not limited to, the Political Reform Act (Government Code Sections 81000, *et seq.*) and Government Code Section 1090. During the term of this Agreement, Contractor and its officers, employees, associates and subcontractor shall not, without the prior written approval of the City Representative, perform work for another person or entity for whom Contractor is not currently performing work that would require Contractor or one of its officers, employees, associates or subcontractors to abstain from a decision under this Agreement pursuant to a conflict of interest statute.

8.13 Covenant Against Discrimination. Contractor covenants that, by and for itself, its heirs, executors, assigns, and all persons claiming under or through them, that there shall be no discrimination against or segregation of, any person or group of persons on account of race, color, creed, religion, sex, marital status, national origin, or ancestry in the performance of this Agreement. To the extent required by law, contractor shall take affirmative action to insure that applicants are employed and that employees are treated during employment without regard to their race, color, creed, religion, sex, marital status, national origin, or ancestry.

8.14 Interpretation. The terms of this Agreement shall be construed in accordance with the meaning of the language used and shall not be construed for or against either party by reason of the authorship of this Agreement or any other rule of construction which might otherwise apply.

8.15 Severability. In the event that any one or more of the phrases, sentences, clauses, paragraphs, or sections contained in this Agreement shall be declared invalid or unenforceable by a valid judgment or decree of a court of competent jurisdiction, such invalidity or unenforceability shall not affect any of the remaining phrases, sentences, clauses, paragraphs, or sections of this Agreement which are hereby declared as severable and shall be interpreted to carry out the intent of the parties hereunder unless the invalid provision is so material that its invalidity deprives either party of the basic benefit of their bargain or renders this Agreement meaningless.

8.16 [reserved]

8.17 Unfair Business Practices Claims. In entering into a public works contract or a subcontract to supply goods, services or materials pursuant to a public works contract, the contractor or

subcontractor offers and agrees to assign to the awarding body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2, (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body renders final payment to the contractor without further acknowledgment by the parties. (Sec. 7103.5, California Public Contract Code).

8.18 Corporate Authority. The persons executing this Agreement on behalf of the parties hereto warrant that (i) such party is duly organized and existing, (ii) they are duly authorized to execute and deliver this Agreement on behalf of said party, (iii) by so executing this Agreement, such party is formally bound to the provisions of this Agreement, and (iv) the entering into this Agreement does not violate any provision of any other Agreement to which said party is bound.

8.19 PERS Eligibility Indemnification. In the event that Contractor or any employee, agent, or subcontractor of Contractor providing services under this Agreement claims or is determined by a court of competent jurisdiction or the California Public Employees Retirement System (PERS) to be eligible for enrollment in PERS as an employee of the City, Contractor shall indemnify, defend, and hold harmless City for the payment of any employee and/or employer contributions for PERS benefits on behalf of Contractor or its employees, agents, or subcontractors, as well as for the payment of any penalties and interest on such contributions, which would otherwise be the responsibility of City.

Notwithstanding any other agency, state or federal policy, rule, regulation, law or ordinance to the contrary, Contractor and any of its employees, agents, and subcontractors providing service under this Agreement shall not qualify for or become entitled to, and hereby agree to waive any claims to, any compensation, benefit, or any incident of employment by City, including but not limited to eligibility to enroll in PERS as an employee of City and entitlement to any contribution to be paid by City for employer contribution and/or employee contributions for PERS benefits.

8.20 Cooperation. In the event any claim or action is brought against City relating to Contractor's performance or services rendered under this Agreement, Contractor shall render any reasonable assistance and cooperation which City might require.

8.21 Legal Responsibilities. The Contractor shall keep itself informed of City, State, and Federal laws, ordinances and regulations, which may in any manner affect the performance of its services pursuant to this Agreement. The Contractor shall at all times observe and comply with all such laws, ordinances and regulations. Neither the City, nor its officers, agents, or employees shall be liable at law or in equity as a result of the Contractor's failure to comply with this section.

8.22 Termination for Convenience. The City may terminate this Agreement without cause for convenience of the City upon giving contractor 30 days prior written notice of termination of the Agreement. Upon receipt of the notice of termination the Contractor shall cease all further work pursuant to the Agreement. Upon such termination by the City the Contractor shall not be entitled to any other remedies, claims, actions, profits, or damages except as provided in this paragraph. Upon the receipt of such notice of termination Contractor shall be entitled to the following compensation:

1. The contract value of the work completed to and including the date of receipt of the notice of termination, less the amount of progress payments received by contractor.

2. Actual move-off costs including labor, rental fees, equipment transportation costs, the costs of maintaining on-site construction office for supervising the mover-off.

3. The cost of materials custom made for this Agreement which cannot be used by the Contractor in the normal course of his business, and which have not been paid for by City in progress payments.

4. All costs shall not include any markups as might otherwise be allowed by any plans or specifications which were a part of the Agreement.

The provisions of this paragraph shall supersede any other provision of the Agreement or any provision of any plans, specification, addendums or other documents which are or may become a part of this Agreement. City and Contractor agree that the provisions of this paragraph are a substantive part of the consideration for this Agreement.

8.23 Responsibility for Errors. Contractor shall be responsible for its work and results under this Agreement. Contractor, when requested, shall furnish clarification and/or explanation as may be required by the City's representative, regarding any services rendered under this Agreement at no additional cost to City. In the event that an error or omission attributable to Contractor occurs, then Contractor shall, at no cost to City, provide all necessary design drawings, estimates and other Contractor professional services necessary to rectify and correct the matter to the sole satisfaction of City and to participate in any meeting required with regard to the correction.

8.24 Order of Precedence. In the event of an inconsistency in this Agreement and any of the attached Exhibits, the terms set forth in this Agreement shall prevail. If, and to the extent this Agreement incorporates by reference any provision of any document, such provision shall be deemed a part of this Agreement. Nevertheless, if there is any conflict among the terms and conditions of this Agreement and those of any such provision or provisions so incorporated by reference, this Agreement shall govern over the document referenced.

8.25 Costs. Each party shall bear its own costs and fees incurred in the preparation and negotiation of this Agreement and in the performance of its obligations hereunder except as expressly provided herein.

8.26 No Third Party Beneficiary Rights. This Agreement is entered into for the sole benefit of City and Contractor and no other parties are intended to be direct or incidental beneficiaries of this Agreement and no third party shall have any right in, under or to this Agreement.

8.27 Headings. Paragraphs and subparagraph headings contained in this Agreement are included solely for convenience and are not intended to modify, explain or to be a full or accurate description of the content thereof and shall not in any way affect the meaning or interpretation of this Agreement.

8.28 Construction. The parties have participated jointly in the negotiation and drafting of this Agreement. In the event an ambiguity or question of intent or interpretation arises with respect to this Agreement, this Agreement shall be construed as if drafted jointly by the parties and in accordance with its fair meaning. There shall be no presumption or burden of proof favoring or disfavoring any party by virtue of the authorship of any of the provisions of this Agreement.

8.29 Counterparts. This Agreement may be executed in one or more counterparts, each of which

shall be deemed an original. All counterparts shall be construed together and shall constitute one agreement.

8.30 Funding Source Conditions – Contractor's Obligation. Contractor acknowledges that the City may be paying for the Project by using funds it receives or will receive from various funding sources in the form of grants and/or subsidies, and the like under certain terms and conditions. Contractor acknowledges and agrees that any failure of the Contractor and/or its subcontractors to perform its obligations under the Contract, including, but not limited to, timely submitting accurate reports and records, that in any way results in the City not meeting the terms and conditions placed on the funds by the funding source, or forfeiting its entitlement to or, otherwise, not receiving, the funds, then the Contractor shall be liable to pay the City for the funds not granted to the City on the Project.

8.31 Entire Agreement. This Agreement constitutes the entire agreement between the parties with respect to any matter referenced herein and supersedes any and all other prior writings and oral negotiations. This Agreement may be modified only in writing, and signed by the parties in interest at the time of such modification. The terms of this Agreement shall prevail over any inconsistent provision in any other contract document appurtenant hereto, including exhibits to this Agreement.

City Project No. 1-P-22

IN WITNESS WHEREOF, the parties have executed and entered into this Agreement as of the date first written above.

CITY OF LA HABRA,
A municipal corporation

_____ Date: _____
Jim Sadro, City Manager

CONTRACTOR

_____ Date: April 10, 2024
Signature

Mitch Holle, President
Name and Title

33-0611193
Social Security or Taxpayer ID Number

ATTEST:

_____ Date: _____
Rhonda J. Barone, City Clerk

APPROVED AS TO FORM:

_____ Date: _____
Richard D. Jones, City Attorney

(Use of City Bond Form is Required)

LABOR AND MATERIAL PAYMENT BOND
PUBLIC WORK (CALIFORNIA)

KNOW ALL MEN BY THESE PRESENT:

WHEREAS, _____, as Principal, has entered into a contract dated _____, with the City of La Habra (Obligee) referred to and made a part hereof to perform the following work, to wit: _____ and all appurtenant work in accordance with CITY PROJECT NO. 1-P-22, which requires Principal to file this bond to secure claims made in relation to the project.

NOW THEREFORE, we, _____, as Principal, and _____, a corporation organized under the laws of _____ and duly authorized to transact business in the State of California, as Surety, are held firmly bound unto the City of La Habra, as Obligee, and all sub-contractors, laborers, material persons and other persons employed in the performance of the referenced agreement, in the sum of _____ Dollars ($ .00), lawful money of the United States of America, for the payment whereof well and truly to be made the Principal and Surety bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

If the above bounden PRINCIPAL, his or its heirs, executors, administrators, successors, assigns, or any of his or its sub-contractors, fails to pay for any materials, provisions, provender, or other supplies, or teams, implements or machinery, used in, upon, for or about the performance of the work contracted to be done, or for any work or labor to persons named in Section 9100 or the Civil Code, thereon of any kind, or for amounts due under the Unemployment Insurance Code with respect to such work or labor deducted, withheld and paid over to the Employment Development Department from the wages of employees of the contractor and sub-contractors pursuant to Section 13020 of the Unemployment Insurance Code, that the SURETY on this bond will pay the same, in an amount not exceeding the sum specified in this bond, AND ALSO, in case suit is brought upon this bond, a reasonable attorney's fee, which shall be awarded by the court to the prevailing party in said suit, said attorney's fee to be taxed as costs in said suit and to be included in the judgment herein rendered.

As part of the obligation secured hereby, the SURETY shall not be exonerated or released from the obligation of the bond by any change, alteration, or modification in or of any contract, plans, specifications, or agreement pertaining or relating to any scheme or work of improvement or pertaining or relating to the furnishing of labor, materials, or equipment therefor, nor by any change or modification of any terms of payment or extension of the time for any payment pertaining or relating to any scheme of work of improvement, nor by any rescission or attempted rescission of the contract, agreement or bond, nor by any conditions precedent or subsequent in the bond attempting to limit the right of recovery of claimants otherwise entitled to recover under

any such contract or agreement, or under the bond, nor, where the bond is given for the benefit of claimants, by any fraud practiced by any person other than the claimant seeking to recover on the bond.

This bond shall inure to the benefit of any and all persons, companies and corporations entitled to file claims under the Civil Code so as to give them a right of action in a suit on this bond.

This bond is executed for the purpose of complying with the laws of the State of California and shall inure to the benefit of any of the persons named in Section 9100 of the Civil Code of the State of California.

IN WITNESS THEREOF, we have hereunto set our hands and seals this _____ day of _____, 20__.

(Corporate Seal)

_____
Principal

By_____

Title_____

(Corporate Seal)

_____
Principal

By_____

Title_____

APPROVED AS TO FORM:
/s/ Richard D. Jones
City Attorney

FAITHFUL PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That we,_____

_____hereinafter referred to as

"Contractor", as principal, and_____

_____as surety, are held and firmly

bound unto City of La Habra in the sum of _____

_____

Lawful money of the United States of America for the payment of which sum well and truly to be made we bind ourselves jointly and severally, firmly by these presents.

The condition of the foregoing obligation is such that WHEREAS, said Contract has been awarded and is about to enter into the annexed contract with City of La Habra for construction of various park improvements as specifically set forth in the documents entitled:

WOMEN'S CLUB PARK PROJECT
CITY PROJECT NO. 1-P-22

and is required under the terms of the Contract to give this bond in connection with the execution of said contract.

NOW, THEREFORE, if the said Contractor shall well and truly do and perform all of the covenants and obligations of said contract on his part to be done and performed at the times and in the manner specified herein, then this obligation shall be null and void, otherwise it shall be and remain in full force and effect.

PROVIDED, that any alterations in the work to be done or the materials to be furnished which may be made pursuant to the terms of said Contract shall not in any way release either the Contractor or the surety thereunder nor shall any extensions of time granted under the provisions of said Contract release either the Contractor or the surety, and notice of such alterations or extensions of the Contract is hereby waived by the surety.

WITNESS our hands this_____day of_____, 2024.

_____
Contractor

BY: _____

(Seal)

_____
Title

APPROVED:

_____
Surety

_____ BY: _____
(Seal)

Mailing Address of Surety:

_____

_____

_____

_____
Telephone Number of Surety

City Project No. 1-P-22

(Use of City form is required)

SUPPLEMENTAL INFORMATION TO BE COMPLETED BY PRINCIPAL

If an individual, so state. If a firm or co-partnership, state the firm and give the names of all individual co-partners composing the partnership. If a Corporation, state legal name of corporation; state also the names of the president, secretary, treasurer and manager thereof.

Micon Construction, Inc
Mitch Holle- President
Gustavo Zazuetta- Secretary

Business Address: 1616 Sierra Madre Circle
Placentia, CA 92870

Telephone Number: 800-949-0203

Date: 4-10-2024

Print Name: Mitch Holle
Principal

Signature: President
Title

City Project No. 1-P-22

(Use of City form
is required)

TAX IDENTIFICATION NUMBER

The Tax Equity and Fiscal Responsibility Act of 1982 requires the payer (City of La Habra) to report to the Internal Revenue Service taxable payments to payees.

You (as a payee) are required by law to provide us with your Taxpayer Identification Number (if an individual or partnership, your Social Security Number). If you do not provide us with your correct identification number, you may be subject to a penalty imposed by the Internal Revenue Service. The payments subject to withholdings may include, but are not limited to, interest, dividends, or other payments the City of La Habra made to you. Other payments may include rents, royalties, commissions and fees for service of non-employees.

If you are exempt from income tax, we are still required, by law, to maintain a Tax Identification Number on file. **PLEASE PROVIDE YOUR TAX IDENTIFICATION NUMBER next to the appropriate listing below, sign, date and return to:**

CITY OF LA HABRA FINANCE DEPARTMENT
110 E. La Habra Blvd
La Habra, CA 90631

Exempt: Yes___ No_X_ Telephone (800) 949-0203

CORPORATION: Micon Construction, Inc 33-0611193

U.S.A. OR ANY AGENCIES THEREOF: _____

IRS CODE #501 TAX-EXEMPT ORGANIZATION: _____

A NON-COMMISSIONED CITY OF LA HABRA EMPLOYEE: _____

SOLE PROPRIETOR: _____

A PARTNERSHIP: _____

OTHER: _____ (Explain)

Signature/Title: _____ Date: 4-10-2024

Mitch Holle- President

City Project No. 1-P-22

BID GUARANTEE

TO THE CITY OF LA HABRA
PROJECT NO. 1-P-22

As a material inducement to the City to award the contract for Project No. 1-P-22 to City of La Habra, the undersigned ("Guarantor") has agreed to enter into this guarantee. The Guarantor hereby unconditionally guarantees to the fullest extent allowed by law the following work included in this project: per plans and specifications ("the work").

Guarantor guarantees that the materials and equipment used by itself and its subcontractors will be free from defects and that the work will conform to the plans and specifications. Should any of the materials or equipment prove defective or should the work as a whole, or any part thereof, prove defective for any reason whatsoever (except due to intentional torts by the City), or should the work as a whole or any part thereof fail to operate properly or fail to comply with the plans and specifications, Guarantor will, at the City's sole election: 1) reimburse the City, upon written demand, for all of the City's expenses incurred replacing or restoring any such equipment or materials, including the cost of any work necessary to make such replacement or repairs; or 2) replace any such defective material or equipment and repair said work completely, all without any cost to the City. Guarantor further guarantees that any such repair work will conform to the plans and specifications for the project. This guarantee will remain in effect for five years from the date on which the contracted for work is accepted for use by the City.

Guarantor understands and agrees that the City shall have the unqualified option to make any replacements or repairs itself or to have such replacement, repair, performed by the undersigned. The City shall have no obligation to consult with Guarantor before the City proceeds to perform any repair, replacement, or work itself. If the City elects to have Guarantor perform said repair, replacement, or work, Guarantor agrees that the repair, replacement, or work shall be performed within 15 days after receipt of a written demand from the City.

If the City elects to perform the replacement, repairs itself, Guarantor agrees to make reimbursement payment within 15 days after receipt of a written demand for payment from the City.

If the Guarantor fails or refuses to comply with this guarantee, the City shall be entitled to all costs and expenses, including attorneys and expert fees, reasonably incurred by reason of Guarantor's failure or refusal.

Guarantor

Date: 4-10-2024

Contractor: Micon Construction, Inc

By: _____
Mitch Holle

Title: President

City Project No. 1-P-22

STATEMENT OF NON COLLUSION BY CONTRACTOR

The undersigned who submits herewith to the City of La Habra a bid or proposal does hereby certify:

a. That all statements of fact in such bid or proposal are true;
b. That such bid or proposal was not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization or corporation;
c. That such bid or proposal is genuine and not collusive or sham;
d. That said bidder has not, directly or indirectly by agreement, communication or conference with anyone, attempted to induce action prejudicial to the interest of the City of La Habra or of any other bidder or anyone else interested in the proposed procurement;
e. Did not, directly or indirectly, collude, conspire, connive or agree with anyone else that said bidder or anyone else would submit a false or sham bid or proposal, or that anyone should refrain from bidding or withdraw his bid or proposal;
f. Did not in any manner, directly or indirectly seek by agreement, communication or conference with anyone to raise or fix the bid or proposal price of said bidder or of anyone else, or to raise or fix any overhead, profit or cost element of his bid or proposal price, or that of anyone else;
g. Did not, directly or indirectly, submit his bid or proposal price or any breakdown thereof, or the contents thereof, or divulge information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member agent thereof, or to any individual or group of individuals, except to the City of La Habra, or to any person or persons who have a partnership or their financial interest with said bidder in his business.
h. Did not provide, directly or indirectly to any officer or employee of the City of La Habra any gratuity, entertainment, meals, or anything of value, whatsoever, which could be objectively construed as intending to invoke any form of reciprocation or favorable treatment.
i. That no officer or principal of the undersigned firm is related to any officer or employee of the city by blood or marriage within the third degree or is employed, either full or part time, by the City of La Habra either currently or within the last two (2) years.
j. That no officer or principal of the undersigned firm nor any subcontractor to be engaged by the principal has been convicted by a court of competent jurisdiction of any charge of fraud, bribery, collusion, conspiracy or any other act in violation of any state or federal antitrust law in connection with the bidding upon award of, or performance of, any public work contract, with any public entity, within the last three years.

I certify, under penalty of perjury under the laws of the State of California, that the foregoing is true and correct and that this certification was executed:

On April 10, 2024 at Placentia California.

Firm Micon Construction, Inc

(Signature)

Street 1616 Sierra Madre Circle

Mitch Holle- President
(Print Name & Title)

City Placentia State CA Zip 92870

City Project No. 1-P-22

CERTIFICATION OF COMPLIANCE

AFFIRMATIVE ACTION REQUIREMENTS

EQUAL EMPLOYMENT OPPORTUNITY

For

WOMEN'S CLUB PARK PROJECT
CITY PROJECT NO. 1-P-22

Micon Construction, Inc Certifies that:
(Contractor)

It has adopted and approved affirmative action plan in compliance with Title VII of the Civil Rights Act and the Equal Employment Opportunity Act of 1972 and agrees to submit a copy of that plan to the Assistant to the City Manager/Personnel of the City of La Habra for inspection prior to the award of contract.

Signed: _____

By: Mitch Holle

Title: President

Date: 4-10-2024

City Project No. 1-P-22

EXHIBIT A

SCOPE OF SERVICES

PROPOSAL

City of La Habra
Civic Center
110 E. La Habra Blvd.
La Habra, California 90631

Gentlemen:

The undersigned hereby proposes to perform all work for which a contract may be awarded to him/her and to furnish any and all plant, labor, services, materials, tools, equipment, supplies, transportation, utilities, and all other items and facilities necessary therefor as provided in the Contract Documents, and to do everything required therein for the project specifically set forth in documents entitled:

WOMEN'S CLUB PARK
AT 200 W. GREENWOOD AVENUE
City Project NO. 1-P-22

together with appurtenances thereto, all as set forth on the drawing and in the specifications and other Contract Documents; and, he further proposes and agrees that if this Proposal is accepted he will contract in the form and manner stipulated to perform all the work called for by drawings, specifications and other Contract Documents and to complete all such work in strict conformity therewith within the time limits set forth therein, and that he will accept as full payment therefor the prices set forth in the Bid Schedule forming a part hereof.

A *(~~Cashier's Check~~) *(~~Certified Check~~) *(Bid Bond) properly made payable to City of La Habra hereinafter designated as the Owner for the sum of one hundred fifty five thousand nine hundred ninety eight dollars and twenty ~~dollars~~ cents ($ 155,998.20), which amount is not less than ten percent (10%) of the total amount of this bid, is attached hereto and is given as a guarantee that the undersigned will execute the Agreement and furnish the required bonds if awarded the Contract; and, in case of failure to do so within the time provided the proceeds of said check shall be forfeited to the *Owner/Sureties Liability to the Owner for forfeiture of the face amount of the Bond shall be considered as established.

(*) Delete inapplicable word or phrase.

It is understood and agreed that:

1. The undersigned has carefully examined all the Contract Documents which will form a part of the Contract;
2. The undersigned has, by investigation of the site of the work and otherwise, satisfied himself as to the nature and location of the work and has fully informed himself as to all conditions and matters which can in any way affect the work or the cost thereof;
3. The undersigned fully understands the scope of the work and has checked carefully all words and figures inserted in this proposal and he further understands that the City

will in no way be responsible for any errors or omissions in the preparation of this proposal;

4. The undersigned will execute the Agreement and furnish the required Performance and Payment Bonds and proof of insurance coverage, within ten (10) days (not including Saturdays, Sundays and holidays) after notice to him of acceptance of his bid by the Owner; and further, that this bid may not be withdrawn for a period of sixty (60) days after the date set for the opening thereof, unless otherwise required by law. If any bidder shall withdraw his bid within said period, the Contractor shall be liable under the provisions of the Bid Security or the Contract and his surety shall be liable under the Bid Bond, as the case may be;

5. The undersigned hereby certifies that this proposal is genuine and not sham or collusive or made in the interest or in behalf of any person not herein named and the undersigned has not directly or indirectly induced or solicited any other bidder to put in a sham bid or any other person, firm or corporation to refrain from bidding; the undersigned has not in any manner sought by collusion to secure for himself an advantage over any other bidder;

6. In conformance with current statutory requirements of Section 1860, et seq., of the Labor Code of the State of California, the undersigned confirms the following as his certification:

> I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability of worker's compensation or to undertake in accordance with the provisions before commencing the performance of the work of this contract.

NOW, in compliance with the Notice Inviting Bids and all the provisions hereinbefore stipulated, the undersigned, with full cognizance thereof, hereby proposes to perform the entire work for the prices set forth in the attached Bid Schedule upon which award of the Contract is made.

Date: February 29, 2024

Bidder Micon Construction, Inc.

By _____

Title Mitch Holle - President

Bidder's Post Office Address:
1616 Sierra Madre Circle

Placentia CA 92870

Corporation organized under
the laws of the State of California

Names and addresses of all owners
of the firm or names and titles of
all officers of the corporation:

Micon Construction, Inc.

Mitch Holle - President

Gustavo Zazuetta - Secretary

1616 Sierra Madre Circle
Placentia CA 92870

(corporate seal)

BIDDER'S INFORMATION

Contractor's License No. 744198 Expiration Date 12/31/2025

Classification of Contractor's License No. A,B,C8,C12,C27,C61/D12, C61/D34

Contractor Micon Construction, Inc.
(name of firm)

By _____ Mitch Holle - President
(signature) (title)

Business Address: 1616 Sierra Madre Circle
Placentia CA 92870

Phone (800) 949-0203

I/We certify that the information provided above is complete and true to the best of my/our knowledge.

Micon Construction, Inc. February 29, 2024
Contractor Date

Contractor's DIR Public Works Registration No. 1000009060

EXHIBIT A

BID SCHEDULE

WOMEN'S CLUB PARK PROJECT

AT 200 W. GREENWOOD AVENUE
City Project NO. 1-P-22

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	MOBILIZATION/DEMOBILIZATION (Not to exceed five percent (5%) of the total bid)	1	LS	65,080.00	65,080.00
2	STORM WATER BEST MANAGEMENT PRACTICES (BMPs)	1	LS	11,891.00	11,891.00
3	CONSTRUCTION SURVEY AND MONUMENTATION	1	LS	7,590.00	7,590.00
4	INSTALL ~~A~~ TEMPORARY CHAIN LINK FENCE WITH SCREEN FABRIC	800	LF	13.00	10,400.00
5	CLEARING AND GRUBBING	1	LS	39,023.00	39,023.00
6	EARTHWORK AND GRADING	1	LS	97,471.00	97,471.00
7	FURNISH ~~AND~~ INSTALL PARK ENTRY	1	LS	34,320.00	34,320.00
8	CIVIL CONSTRUCTION AND HARDSCAPE	1	LS	259,892.00	259,892.00

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
9	SITE FURNISHINGS	1	LS	215,006.00	215,006.00
10	FURNISH AND INSTALL PLAYGROUND AND EXERCISE EQUIPMENT	1	LS	201,629.00	201,629.00
11	FURNISH AND INSTALL SHADE STRUCTURES FOR PLAYGROUND AND EXERCISE EQUIPMENT.	1	LS	97,016.00	97,016.00
12	IRRIGATION AND LANDSCAPING	1	LS	256,973.00	256,973.00
13	ELECTRICAL (PARK LIGHTING)	1	LS	160,689.00	160,689.00
14	REMOVE EXISTING AND CONSTRUCT PCC CURB RAMP	4	EA	8,891.00	35,564.00
15	REMOVE EXISTING DRIVEWAY APPROACH	4	EA	2,377.00	9,508.00
16	REMOVE AND RECONSTRUCT SIDEWALK PER SSPWC	7,500	SF	5.60	42000.00
17	REMOVE AND RECONSTRUCT 6" CONCRETE CURB AND GUTTER PER SSPWC STANDARD PLAN	100	LF	90.00	9,000.00
18	PERFORM 90-CALENDAR DAY LANDSCAPE MAINTENANCE PERIOD	1	LS	6,930.00	6,930.00

TOTAL BID PRICE:

TOTAL BID PRICE IN FIGURES: $ 1,559,982.00

TOTAL BID PRICE IN WORDS: one million five hundred fifty nine thousand nine hundred eighty two dollars and no cents.

Micon Construction, Inc.
CONTRACTOR

BY

Mitch Holle - President
TITLE

February 29, 2024
DATE

ACKNOWLEDGEMENT OF ADDENDA RECEIVED

The Bidder shall acknowledge the receipt of addenda by placing an "X" by each addendum received.

Addendum No. 1 X
Addendum No. 2 X
Addendum No. 3 X
Addendum No. 4 _____
Addendum No. 5 _____
Addendum No. 6 _____
Addendum No. 7 _____
Addendum No. 8 _____

If an addendum or addenda have been issued by the CITY and is not noted above and submitted as being received by the Bidder, the Bid Proposal may be rejected.

REFERENCES

[Work similar in scope, magnitude and degree of difficulty completed by Contractor within the past three (3) years.]

Please See Attached References Sheet

1. Name (Firm/Agency): _____

   Address: _____

   Contact Person: _____ Telephone No. _____

   Title of Project: _____

   Project Location: _____

   Date of Completion: _____ Contract Amount: $ _____

2. Name (Firm/Agency): _____

   Address: _____

   Contact Person: _____ Telephone No. _____

   Title of Project: _____

   Project Location: _____

   Date of Completion: _____ Contract Amount: $ _____

3. Name (Firm/Agency): _____

   Address: _____

   Contact Person: _____ Telephone No. _____

   Title of Project: _____

   Project Location: _____

   Date of Completion: _____ Contract Amount: $ _____

4. Name (Firm/Agency): _____

   Address: _____

   Contact Person: _____ Telephone No. _____

   Title of Project: _____

   Project Location: _____

   Date of Completion: _____ Contract Amount: $ _____

MICON CONSTRUCTION, INC.

REFERENCES

HAMILTON PARK.....*$2,067,837.00*
Pomona, CA.....*completed 10/2023*
Demo, grading, site furnishings, installation of Play equipment, concrete, landscaping, fencing.
Owner: City of Pomona
505 S. Garey Avenue
Pomona, CA 91766
Shandy Dittman – Project Manager shandy.dittman@pomonaca.gov
909.632.5081

CORONA-NORCO USD VARIOUS SITES.....*$3,023,217.00*
Norco, CA.....*completed 2/2023*
Demo, grading, rubber surfacing, installation of Play equipment, concrete, irrigation, fencing.
Owner: Corona-Norco USD
2820 Clark Avenue
Norco, CA 92860
Tim Russell – District Supervisor trussell@cnusd.k12.ca.us
951.768.1588

CORONADO PARK.....*$625,854.00*
Mission Viejo, CA.....*completed 9/2022*
Demo, grading, rubber surfacing, installation of Play equipment, shade structures, concrete, landscaping, irrigation, turf, fencing, site furnishings.
Owner: City of Mission Viejo
200 Civic Center
Mission Viejo, CA 92691
Jerry Hill – Public Services Director jhill@cityofmissionviejo.org
949.470.3085

ANNE SHIRRELLS PARK.....*$228,907.00*
San Bernardino, CA.....*completed 4/2021*
Demo, grading, installation of playground equipment, baseball field improvements, Poligon structures, concrete, landscaping, fencing, site furnishings.
Owner: City of San Bernardino
201 North E Street Suite 200
San Bernardino, CA 92401
Alex Qishta
909.384.5019
Moved to Yucca Valley
New Email: aqishta@yucca-valley.org

HORSESHOE LAKE PARK.....*$2,119,635.00*
Jurupa Valley, CA.....*completed 10/2020*
Demo, concrete, underground, electrical, asphalt, playground equipment, installation of site furnishings, shade shelters, landscape, irrigation, etc.
Owner: Jurupa Area Recreation & Park District
4810 Pedley Road
Jurupa Valley, CA 92509
Colby Diuguid, General Manager Colby@jarpd.org
951.361.2090

If Contractor has performed work for the City of La Habra within the last five (5) years, list all work done within said five years (attach additional sheets if necessary). Note if work was done as subcontractor (include only subcontract amount):

Work Description & Contract Amount	Agency	Date Completed
	N/A	

Contractor's License No.: 744198 Class: A,B,C8,C12,C27, C61/D12, C61/D34

a. Date first obtained: 12/31/1997 Expiration: 12/31/2025

b. Has License ever been suspended or revoked? No

If yes, described when and why: _____

c. Any current claims against License or Bond? No

If yes, describe claims: _____

Principals in Company (List all – attach additional sheets if necessary):

NAME	TITLE	LICENSE NO. (If Applicable)
Mitch Holle	President	744198
Gustavo Zazuetta	Secretary	744198

DBE BIDDER'S LIST

All bidders/proposers are requested to provide the following information for all DBE and non-DBE contractors or consultants who provided a proposal, bid, quote, or were contacted by the proposed prime. This information is also requested from the proposed prime contractor/consultant and should be submitted with their bid/proposal. The City of La Habra will use this information to maintain and update a "Bidders" List to assist in the overall annual DBE goal-setting process.

Firm Name: Micon Construction, Inc. **Phone:** 800-949-0203

Address: 1616 Sierra Madre Circle, Placentia CA 92870 **Fax:** 714-666-1007

Contact Person: Kim Racette - Project Manager **No. of years in business:** 27+

Is the firm currently certified as a DBE under 49 CFR Part 26: YES: ___ **NO:** ✓

Type of work/services/materials provided by firm?

Installation of Playgrounds, Shade Structures, Demolition, Concrete, Grading, Landscape & Irrigation, Surfacing, Site Furnishings

What was your firm's Gross Annual receipts for last year?

Less than $1 Million
Less than $5 Million
Less than $10 Million
Less than $15 Million
More than $15 Million

This form can be duplicated if necessary to report all bidders (DBEs and non-DBEs) information.

DBE BIDDER'S LIST

All bidders/proposers are requested to provide the following information for all DBE and non-DBE contractors or consultants who provided a proposal, bid, quote, or were contacted by the proposed prime. This information is also requested from the proposed prime contractor/consultant and should be submitted with their bid/proposal. The City of La Habra will use this information to maintain and update a "Bidders" List to assist in the overall annual DBE goal-setting process.

Firm Name: Keith Flores Electric **Phone:** 714-493-4233

Address: 751 S Weir Canyon Rd Ste 157 811 Anaheim, CA 92808 **Fax:** _____

Contact Person: Keith Flores **No. of years in business:** 18+

Is the firm currently certified as a DBE under 49 CFR Part 26: YES: ___ **NO:** ✓

Type of work/services/materials provided by firm? Electrician

What was your firm's Gross Annual receipts for last year?

Less than $1 Million
Less than $5 Million
Less than $10 Million
Less than $15 Million
More than $15 Million

Confidential

This form can be duplicated if necessary to report all bidders (DBEs and non-DBEs) information.

DBE BIDDER'S LIST

All bidders/proposers are requested to provide the following information for all DBE and non-DBE contractors or consultants who provided a proposal, bid, quote, or were contacted by the proposed prime. This information is also requested from the proposed prime contractor/consultant and should be submitted with their bid/proposal. The City of La Habra will use this information to maintain and update a "Bidders" List to assist in the overall annual DBE goal-setting process.

Firm Name: Robertson Industries, Inc. **Phone:** 800-858-0519

Address: 2140 E Cedar Street Tempe, AZ 85281 **Fax:** 602-340-0402

Contact Person: Vince Brantley 714-904-8219 **No. of years in business:** 33

Is the firm currently certified as a DBE under 49 CFR Part 26: YES: ___ **NO:** x

Type of work/services/materials provided by firm? Manufacture & Install Rubberized safety surfacing systems.

What was your firm's Gross Annual receipts for last year?

Less than $1 Million
Less than $5 Million
Less than $10 Million
Less than $15 Million
More than $15 Million

This form can be duplicated if necessary to report all bidders (DBEs and non-DBEs) information.

DBE BIDDER'S LIST

All bidders/proposers are requested to provide the following information for all DBE and non-DBE contractors or consultants who provided a proposal, bid, quote, or were contacted by the proposed prime. This information is also requested from the proposed prime contractor/consultant and should be submitted with their bid/proposal. The City of La Habra will use this information to maintain and update a "Bidders" List to assist in the overall annual DBE goal-setting process.

Firm Name: Greenfields Outdoor Fitness, Inc. **Phone:** 888-315-9037

Address: 2617 West Woodland Drive, Anaheim CA 92801 **Fax:** _____

Contact Person: Sam Mendelsohn **No. of years in business:** 17

Is the firm currently certified as a DBE under 49 CFR Part 26: YES: ___ **NO:** X

Type of work/services/materials provided by firm? _____

Outdoor Fitness Equipment - supply & delivery only

What was your firm's Gross Annual receipts for last year?

Less than $1 Million
Less than $5 Million
Less than $10 Million
Less than $15 Million
More than $15 Million

CONFIDENTIAL

This form can be duplicated if necessary to report all bidders (DBEs and non-DBEs) information.

DBE BIDDER'S LIST

All bidders/proposers are requested to provide the following information for all DBE and non-DBE contractors or consultants who provided a proposal, bid, quote, or were contacted by the proposed prime. This information is also requested from the proposed prime contractor/consultant and should be submitted with their bid/proposal. The City of La Habra will use this information to maintain and update a "Bidders" List to assist in the overall annual DBE goal-setting process.

Firm Name: MM Energy and Lighting **Phone:** 818-691-4290

Address: 2601 Hughes Ln, Bakersfield, CA 93304 **Fax:** _____

Contact Person: Manuel Martinez Rodriguez **No. of years in business:** 7

Is the firm currently certified as a DBE under 49 CFR Part 26: YES: ___ **NO:** x

Type of work/services/materials provided by firm? Electrical and Lighting

What was your firm's Gross Annual receipts for last year?

Less than $1 Million
Less than $5 Million
Less than $10 Million
Less than $15 Million
More than $15 Million

This form can be duplicated if necessary to report all bidders (DBEs and non-DBEs) information.

DBE BIDDER'S LIST

All bidders/proposers are requested to provide the following information for all DBE and non-DBE contractors or consultants who provided a proposal, bid, quote, or were contacted by the proposed prime. This information is also requested from the proposed prime contractor/consultant and should be submitted with their bid/proposal. The City of La Habra will use this information to maintain and update a "Bidders" List to assist in the overall annual DBE goal-setting process.

Firm Name: Pacific Stone Design Inc. **Phone:** 714-836-5757

Address: 1201 E. Wakeham Ave Santa Ana, CA 92705 **Fax:** 714-836-4433

Contact Person: Brad Sterling **No. of years in business:** 20+

Is the firm currently certified as a DBE under 49 CFR Part 26: YES: ___ **NO:** X

Type of work/services/materials provided by firm? Architectual Precast Concrete (material only)

What was your firm's Gross Annual receipts for last year?

Less than $1 Million
Less than $5 Million
Less than $10 Million (circled)
Less than $15 Million
More than $15 Million

This form can be duplicated if necessary to report all bidders (DBEs and non-DBEs) information.

DBE BIDDER'S LIST

All bidders/proposers are requested to provide the following information for all DBE and non-DBE contractors or consultants who provided a proposal, bid, quote, or were contacted by the proposed prime. This information is also requested from the proposed prime contractor/consultant and should be submitted with their bid/proposal. The City of La Habra will use this information to maintain and update a "Bidders" List to assist in the overall annual DBE goal-setting process.

Firm Name: QCP CORP **Phone:** 951-737-6240

Address: PO Box 639 NORCO, CA 92860-0639 **Fax:** _____

Contact Person: RICK CROOK **No. of years in business:** 40

Is the firm currently certified as a DBE under 49 CFR Part 26: YES: ___ **NO:** X

Type of work/services/materials provided by firm? CONCRETE SITE FURNISHINGS

_____

What was your firm's Gross Annual receipts for last year?

Less than $1 Million
Less than $5 Million
Less than $10 Million
Less than $15 Million
More than $15 Million X

This form can be duplicated if necessary to report all bidders (DBEs and non-DBEs) information.

DBE BIDDER'S LIST

All bidders/proposers are requested to provide the following information for all DBE and non-DBE contractors or consultants who provided a proposal, bid, quote, or were contacted by the proposed prime. This information is also requested from the proposed prime contractor/consultant and should be submitted with their bid/proposal. The City of La Habra will use this information to maintain and update a "Bidders" List to assist in the overall annual DBE goal-setting process.

Firm Name: Resource Building Materials **Phone:** 714-952-2993

Address: 10961 Dale Ave., Stanton CA 90680 **Fax:** n/a

Contact Person: Wade Struiksma **No. of years in business:** 38

Is the firm currently certified as a DBE under 49 CFR Part 26: YES: ___ **NO:** X

Type of work/services/materials provided by firm? Building Material distribution

What was your firm's Gross Annual receipts for last year?

Less than $1 Million
Less than $5 Million
Less than $10 Million
Less than $15 Million
More than $15 Million

This form can be duplicated if necessary to report all bidders (DBEs and non-DBEs) information.

VIOLATIONS OF FEDERAL, STATE, OR LOCAL LAWS

1. Has your firm or its officers been assessed any penalties by an agency for noncompliance or violations of Federal, State, or Local labor laws and/or business or licensing regulations within the past five (5) years relating to your construction projects?

Yes/No: No Federal/State: _____

If "yes", identify and describe, (including agency and status):

_____

_____

N/A

_____

_____

_____

_____

Have the penalties been paid? Yes/No: _____

2. Does your firm or its officers have any ongoing investigations by any public agency regarding violations of the State Labor Code, California Business and Professions Code or State Licensing Laws?

Yes/No: No Code/Laws: _____ Section/Article: _____

If "yes", identify and describe, (including agency and status):

_____

_____

N/A

_____

_____

_____

_____

DISQUALIFICATION OR DEBARMENT

Has your firm, any officer of your firm, or any employee who has a proprietary interest in your firm ever been disqualified, removed, or otherwise prevented from bidding on, performing work on, or completing a federal, state, or local project because of a violation of law or a safety regulation?

Yes/No: No

If yes, provide the following information (if more than once, use separate sheets): **N/A**

Date: _____ Entity: _____

Location: _____

Reason: _____

_____

_____

_____

Provide Status and any Supplemental Statement: _____

_____

_____

_____

Has your firm been reinstated by this entity?

Yes/No: _____

LIST OF SUBCONTRACTORS

WOMEN'S CLUB PARK PROJECT
AT 200 W. GREENWOOD AVENUE
City Project NO. 1-P-22

The bidder shall list below the name and the location of the place of business of each Subcontractor who will perform work or render services to the prime contractor in or about the construction of the work or improvement in excess of one-half of one percent (1/2%) of the prime contractor's total bid or ten thousand dollars ($10,000.00) whichever is greater in accordance with the requirements of Section 4100 to 4133 inclusive of the public contracts code.

Work to be Performed	License Number	Subcontractor and Address of Office, Mill or Shops	Percent of Total Contract	DBE YES NO
Electrical	868567	Keith Flores Electric 751 S. Weir Canyon Rd #157-811 Anaheim, CA 92807	9%	No
PIP Rubber Surfacing	0667261	Robertson Industries 2140 E. Cedar St. Tempe, AZ 85281	1.5%	No

Note: Do not list alternative subcontractors for the same work.

Contractor Micon Construction, Inc.

BID SECURITY FORM

(Check to Accompany Bid)

(Note: The following form shall be used in case check accompanies bid.)

Accompanying this proposal is a *(Certified) *(Cashiers) check payable to the order of the City of La Habra, California, hereinafter referred to as "Owner", for

WOMEN'S CLUB PARK PROJECT
AT 200 W. GREENWOOD AVENUE
City Project NO. 1-P-22

In the amount of $_____ Dollars, this amount being ten percent (10%) of the total amount of the bid. The proceeds of this check shall become the property of said Owner provided this proposal shall be accepted by the said Owner through action if its legally constituted contracting authorities and the undersigned shall fail to execute a contract and furnish the required Performance and Payment Bonds and proof of insurance coverage within the stipulated time; otherwise, the check shall be returned to the undersigned. The proceeds of this check shall also become the property of the Owner if the undersigned shall withdraw his bid within the period of forty-five (45) days after the date set for the opening thereof unless otherwise required by law and notwithstanding the award of the Contract to another bidder.

_____

_____
Bidder

*Delete the inapplicable word.

NOTE: If the bidder desires to use a bond instead of a check, the Bid Bond form on the following pages shall be executed. The sum of this bond shall be not less than ten percent (10%) of the total amount of the bid.

See attached bid bond

BID BOND

KNOW ALL MEN BY THESE PRESENTS:

That we Micon Construction, Inc. as principal and Markel Insurance Company as surety, are held and firmly bound unto the City of La Habra, California hereinafter referred to as "Owner", in the sum of Ten percent of amount bid Dollars ($ 10%) to be paid to the said Owner, its successors and assigns for which payment well and truly to be made we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if the certain proposal of the above bounden for the construction of Street Improvements as specifically set forth in documents entitled:

WOMEN'S CLUB PARK PROJECT
AT 200 W. GREENWOOD AVENUE
City Project NO. 1-P-22

all in accordance with the specifications and drawings on file at the offices of the City Clerk of the City of La Habra, California and is not withdrawn within the period of sixty (60) days after the date set for the opening of bids unless otherwise required by law and notwithstanding the award of the Contract to another bidder and that if said proposal is accepted by the Owner through action of its legally constituted contracting authorities and if the above bounden his heirs, executors, administrators, successors and assigns shall duly enter into and execute a contract for such construction and shall execute and deliver the required Performance and Payment Bonds and proof of insurance coverage within ten (10) days (not including Saturdays, Sundays and Holidays) after the date of notification by and from the said Owner that the said contract is ready for execution, then this obligation shall become null and void; otherwise, it shall be and remain in full force and virtue.

IN WITNESS WHEREOF, we hereunto set hands and seal this 28th day of February, 2024.

Micon Construction, Inc.

Markel Insurance Company

Mitch Holle - President
BIDDER

Cynthia J. Young, Attorney-in-Fact

NOTE: The standard printed bond form of any bonding company acceptable to the Owner may be used in lieu of the foregoing approved sample bond form provided the security stipulations protecting the Owner are not in any way reduced by use of the Surety Company's printed standard form.

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

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

State of California }

County of Orange }

On February 29, 2024 before me, Kimberly Racette - Notary Public,
(Here insert name and title of the officer)

personally appeared Mitch Holle,

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.

KIMBERLY RACETTE
Notary Public - California
Orange County
Commission # 2411319
My Comm. Expires Aug 19, 2026

Notary Public Signature (Notary Public Seal)

ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

Bid Bond
(Title or description of attached document)

Womens Center Park - La Habra
(Title or description of attached document continued)

Number of Pages _____ Document Date_____

CAPACITY CLAIMED BY THE SIGNER

- ☐ Individual (s)
- ☒ Corporate Officer
  President
  (Title)
- ☐ Partner(s)
- ☐ Attorney-in-Fact
- ☐ Trustee(s)
- ☐ Other _____

2015 Version www.NotaryClasses.com 800-873-9865

INSTRUCTIONS FOR COMPLETING THIS FORM

This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he~~/she/~~they,~~ is /~~are~~) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
  - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - ❖ Indicate title or type of attached document, number of pages and date.
  - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

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)
) ss
San Bernardino County)

On FEB 2 8 2024, before me, Kassandra De Leon, Notary Public, personally appeared Cynthia J. Young, 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.

NRO1 KASSANDRA DE LEON COMM. #2408438 Notary Public - California Orange County My Comm. Expires July 15, 2026 NRO1

(Seal)

Signature: _____

Kassandra De Leon, Notary Public

STATE OF CALIFORNIA

DEPARTMENT OF INSURANCE **№ 07500**

SAN FRANCISCO

Amended

Certificate of Authority

THIS IS TO CERTIFY *THAT, Pursuant to the Insurance Code of the State of California,*

Markel Insurance Company

of Deerfield, Illinois *, organized under the laws of* Illinois *, subject to its Articles of Incorporation or other fundamental organizational documents, is hereby authorized to transact within the State, subject to all provisions of this Certificate, the following classes of insurance:* Fire, Marine, Surety, Disability, Plate Glass, Liability, Workers' Compensation, Common Carrier Liability, Boiler and Machinery, Burglary, Credit, Sprinkler, Team and Vehicle, Automobile, and Miscellaneous

as such classes are now or may hereafter be defined in the Insurance Laws of the State of California.

THIS CERTIFICATE *is expressly conditioned upon the holder hereof now and hereafter being in full compliance with all, and not in violation of any, of the applicable laws and lawful requirements made under authority of the laws of the State of California as long as such laws or requirements are in effect and applicable, and as such laws and requirements now are, or may hereafter be changed or amended.*

IN WITNESS WHEREOF, *effective as of the* 16th *day of* January, 2002, *I have hereunto set my hand and caused my official seal to be affixed this* 16th *day of* January, 2002.

Harry W. Low
Insurance Commissioner

By

Victoria S. Sidbury
Deputy

NOTICE:

Qualification with the Secretary of State must be accomplished as required by the California Corporations Code promptly after issuance of this Certificate of Authority. Failure to do so will be a violation of Insurance Code Section 701 and will be grounds for revoking this Certificate of Authority pursuant to the convenants made in the application therefor and the conditions contained herein.

FORM CB-3

POA# 510028

JOINT LIMITED POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That SureTec Insurance Company, a Corporation duly organized and existing under the laws of the State of Texas and having its principal office in the County of Harris, Texas and Markel Insurance Company (the "Company"), a corporation duly organized and existing under the laws of the state of Illinois, and having its principal administrative office in Glen Allen, Virginia, does by these presents make, constitute and appoint:

Cynthia J. Young, Adriana Valenzuela, Kassandra De Leon

Their true and lawful agent(s) and attorney(s)-in-fact, each in their separate capacity if more than one is named above, to make, execute, seal and deliver for and on their own behalf, individually as a surety or jointly, as co-sureties, and as their act and deed any and all bonds and other undertaking in suretyship provided, however, that the penal sum of any one such instrument executed hereunder shall not exceed the sum of:

Fifty Million and 00/100 Dollars ($50,000,000.00)

This Power of Attorney is granted and is signed and sealed under and by the authority of the following Resolutions adopted by the Board of Directors of SureTec Insurance Company and Markel Insurance Company:

"RESOLVED, That the President, any Senior Vice President, Vice President, Assistant Vice President, Secretary, Assistant Secretary, Treasurer or Assistant Treasurer and each of them hereby is authorized to execute powers of attorney, and such authority can be executed by use of facsimile signature, which may be attested or acknowledged by any officer or attorney, of the company, qualifying the attorney or attorneys named in the given power of attorney, to execute in behalf of, and acknowledge as the act and deed of the SureTec Insurance Company and Markel Insurance Company, as the case may be, all bond undertakings and contracts of suretyship, and to affix the corporate seal thereto."

IN WITNESS WHEREOF, Markel Insurance Company and SureTec Insurance Company have caused their official seal to be hereunto affixed and these presents to be signed by their duly authorized officers on the 6th day of February , 2024 .

SureTec Insurance Company

By: _____
Michael C. Keimig, President

Markel Insurance Company

By: _____
Lindey Jennings, Vice President

State of Texas
County of Harris:

On this 6th day of February , 2024 A. D., before me, a Notary Public of the State of Texas, in and for the County of Harris, duly commissioned and qualified, came THE ABOVE OFFICERS OF THE COMPANIES, to me personally known to be the individuals and officers described in, who executed the preceding instrument, and they acknowledged the execution of same, and being by me duly sworn, disposed and said that they are the officers of the said companies aforesaid, and that the seals affixed to the proceeding instrument are the Corporate Seals of said Companies, and the said Corporate Seals and their signatures as officers were duly affixed and subscribed to the said instrument by the authority and direction of the said companies, and that Resolutions adopted by the Board of Directors of said Companies referred to in the preceding instrument is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand, and affixed my Official Seal at the County of Harris, the day and year first above written.

JULIE E. MCCLARY
Notary Public State of Texas
Commission # 12947680-5
Commission Expires March 29, 2026

By: _____
Julie McClary, Notary Public
My commission expires 3/29/2026

We, the undersigned Officers of SureTec Insurance Company and Markel Insurance Company do herby certify that the original POWER OF ATTORNEY of which the foregoing is a full, true and correct copy is still in full force and effect and has not been revoked.

IN WITNESS WHEREOF, we have hereunto set our hands, and affixed the Seals of said Companies, on the 28th day of February , 2024 .

SureTec Insurance Company

By: _____
M. Brent Beaty, Assistant Secretary

Markel Insurance Company

By: _____
Andrew Marquis, Assistant Secretary

Any Instrument Issued in excess of the penalty stated above is totally void and without any validity. 510028
For verification of the authority of this Power you may call (713)812-0800 on any business day between 8:30 AM and 5:00 PM CST.

NON-COLLUSION AFFIDAVIT
FOR

WOMEN'S CLUB PARK PROJECT
AT 200 W. GREENWOOD AVENUE
City Project NO. 1-P-22

(TO BE EXECUTED BY EACH AWARDEE OF A PRINCIPAL CONTRACT)

STATE OF CALIFORNIA)
) SS.
)

Mitch Holle, being first duly sworn,

deposes and says that he is President
(sole owner, partner, president, secretary, etc.)

of Micon Construction, Inc.

The party making the foregoing bid; that such bid is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization or corporation; that such bid is genuine and not collusive or sham: that said 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, nor that anyone shall refrain from bidding; that said bidder has not in any manner directly or indirectly sought by agreement, communication or conference with anyone to fix the bid price of said bidder or of any other bidder, nor to fix any overhead, profit cost element of such bid price nor of that of any other bidder nor to secure any advantage against the public body awarding the contract or anyone interested in the proposed contract; that all statements contained in such bid are true; and, further, that said bidder has not directly or indirectly, submitted his bid price or any breakdown thereof, nor the contents thereof, nor divulged information or data relative thereto, nor paid and will not pay any fee in connection therewith to any corporation, partnership, company, association, organization, bid depository, nor to any member of agent thereof nor to any other individual except to such person or persons as have a partnership or other financial interest with said bidder in his general business.

Signed: _____

Title: Mitch Holle - President

Subscribed and sworn to before me

This _____day of _____, 2024

See attached

_____

SEAL OF NOTARY PUBLIC

California Jurat Certificate

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 Orange s.s.

Subscribed and sworn to (or affirmed) before me on this 29th day of February (Month),

20 24, by Mitch Holle (Name of Signer (1)) and

_____ (Name of Signer (2)), proved to me on the basis of

satisfactory evidence to be the person(s) who appeared before me.

Signature of Notary Public

Notary Public

For other required information (Notary Name, Commission No. etc.)

KIMBERLY RACETTE
Notary Public - California
Orange County
Commission # 2411319
My Comm. Expires Aug 19, 2026

Seal

OPTIONAL INFORMATION

Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this jurat to an unauthorized document and may prove useful to persons relying on the attached document

Description of Attached Document

The certificate is attached to a document titled/for the purpose of

Non-collusion Affidavit
Women's Club Park Project
City of La Habra

containing _____ pages, and dated _____

Additional Information

Method of Affiant Identification

Proved to me on the basis of satisfactory evidence:
◯ form(s) of identification ◯ credible witness(es)

Notarial event is detailed in notary journal on:

Page # _____ Entry # _____

Notary contact: _____

Other

☐ Affiant(s) Thumbprint(s) ☐ Describe: _____

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WORKER'S COMPENSATION CERTIFICATE

(AS REQUIRED BY SECTION 1861
OF THE CALIFORNIA LABOR CODE)

I am aware of the provisions of Section 3700 of the California Labor Code, which require every employer to be insured against liability for worker's compensation, or to undertake self-insurance in accordance with the provisions of said Code, and I will comply with such provisions before commencing the performance of the Work of this Contract.

Contractor Micon Construction, Inc.

By _____

Title Mitch Holle - President

Public Contract Code Section 10285.1 Statement

In conformance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder **has ___, has not** ✓ been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or Federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

Note: The bidder must place a check mark after "has" or "has not" in one of the blank spaces provided. The above Statement is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

Public Contract Code Section 10162 Questionnaire

In conformance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes _____ No X

If the answer is yes, explain the circumstances in the following space.

Public Contract Code Section 10232 Statement

In conformance with Public Contract Code Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

Note: The above Statement and Questionnaire are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement and Questionnaire.

Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

MICON CONSTRUCTION, INC

Women's Center Park- La Habra

Subcontractor/Supplier_DBE Efforts/Commitment

Date/Time	Company	Mode of contact	Contact info	Contact person	Scope/Trades	RESULTS OF CONVERSATION
2/28/24 @ 2:32pm	Bulldog Paving	Email	compliance@bulldogpaving.com	Patricia Gautschi	Paving/Asphalt	I emailed Patricia with the link to download the plans and specs and provide s a price. No bid received.
2/28/24 @ 3:04pm	3P Construction, Inc	Email	estimating@3pconst.com estimating@3pci.net	Nayeli Pelayo	Landscape & Electrical	I emailed Nayeli with the link to download the plans and specs to provide us a sub quote. My email was bounced back so I called and received a new email address of estimating@3pci.net and resent the email there at 3:23pm. No bid received.
2/28/24 @ 3:06pm	75 Electric, Inc	Email	service@75electrical.com	Alonso Rivas	Electrical	I emailed Alonso with a link to download the plans and specsto provide us a sub quote. No bid received.
2/28/24 @ 3:08pm	Ad Improvements, Inc	Email	robert@adimprovements.com	Robert Acosta	Demolition	I emailed Robert with a link to download the plans and specs to provide us a sub quote. No bid received.
2/28/24 @ 3:09pm	AR Electric	Email	alex@areinc.com alex@areinc.co	Alex Rojano	Electrical	I emailed Alex the link to download the plans and specs to provide us a sub quote. I received a bounceback email so I called and they said its .co not .com so I resent it at 3:36pm. No bid received.
2/28/24 @ 3:12pm	DB Electric, Inc	Email	db.bids@db-electricinc.com	David & Brad	Electrical	I emailed David & Brad the link to download the plans and specs to provide us a sub quote. No bid received.
2/28/24 @ 3:14pm	On Target Electric, Inc	Email	HerbD@ontargetelectric.com	Herb Dominguez	Electrical	I emailed Herb a link to download the plans and specs to send us a sub quote. No bid received.
2/28/24 @ 3:16pm	Fehoko Concrete	Email	fernando.m@fehokoconcrete.com	Fernando & Tim	Concrete	I emailed them a link to download the plans and specs to give us a sub quote. I received a bounceback email so I called and was provided no response and hung up. No bid received.
2/28/24 @ 3:17pm	Patriot Paving, Inc	Email	mal@patriotpavinginc.com	Mal	Paving/Asphalt	I emailed Mal a link to download the plans and specs to send us a sub quote. No bid received.

From: Compliance News
http://www.compliancenews.com
info@compliancenews.com
Tel: (800) 599-6996 Fax: (800) 200-4334

To: Micon Construction, Inc.
1616 Sierra Madre Circle
Placentia, CA 92870
Phone: 800-949-0203
Fax: 7146661007

RECEIPT FOR ORDER #14504

Published on 02-29-2024 at 12:14 PM PST

Project Name: Women's Club Park Project

Contract/Bid #: Project No. 1-P-22

Awarding Agency: City of La Habra

Total Amount PAID: $30.00

A. Proofs of Good Faith Effort Bid Notice Advertisements

Publication: Compliance News Trade Journal
Published On: 02-29-2024 @ 12:14 PM PST
Expires On: 03-05-2024 @ 12:00 PM PST
Published At: https://www.compliancenews.com/trade-journal-detail/1/5970

TRADE JOURNAL

Micon Construction, Inc.

is seeking certified and qualified DBE subcontractors and/or suppliers to provide Paving/Asphalt, Landscaping, Electrical, Demolition, Concrete

PROJECT NAME:
Women's Club Park Project
CONTRACT #:
Project No. 1-P-22
AWARDING AGENCY:
City of La Habra
PROJECT LOCATION:
200 W. Greenwood Avenue, La Habra, California, 90631
DUE DATE:
03-05-2024 at 12:00 PM

OUTREACH COORDINATOR:
Kim Racette
TELEPHONE:
8009490203
FAX:
7146661007
ADDRESS:
1616 Sierra Madre Circle Placentia, CA, 92870
EMAIL:
kim@miconconstruction.com

PROJECT DETAILS:

We are an Equal Opportunity Employer. If you are planning to bid this project, we encourage your participation and welcome your bid.

Prevailing Wage Project **

The Micon Construction, Inc. Good Faith Effort advertisement has been published in both the Compliance News Internet and Hard-Copy publications (located online at: http://www.compliancenews.com). The undersigned declares: I am over the age of 18 years and a citizen of the United States of America. I am the principal publisher of the Compliance News Trade and Focus Journal in the United States of America. The notice a true copy of which is attached was published on 02-29-2024 at 12:14 PM PST. I declare under penalty of perjury that the foregoing is true and correct.

J.H. Sprague

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Publication: Compliance News Focus Journal
Published On: 02-29-2024 @ 12:14 PM PST
Expires On: 03-05-2024 @ 12:00 PM PST
Published At: https://www.compliancenews.com/focus-journal/5970

FOCUS JOURNAL

Micon Construction, Inc.

is seeking certified and qualified DBE subcontractors and/or suppliers to provide Paving/Asphalt, Landscaping, Electrical, Demolition, Concrete

PROJECT NAME:
Women's Club Park Project
CONTRACT #:
Project No. 1-P-22
AWARDING AGENCY:
City of La Habra
PROJECT LOCATION:
200 W. Greenwood Avenue, La Habra, California, 90631
DUE DATE:
03-05-2024 at 12:00 PM

OUTREACH COORDINATOR:
Kim Racette
TELEPHONE:
8009490203
FAX:
7146661007
ADDRESS:
1616 Sierra Madre Circle Placentia, CA, 92870
EMAIL:
kim@miconconstruction.com

PROJECT DETAILS:

We are an Equal Opportunity Employer. If you are planning to bid this project, we encourage your participation and welcome your bid.

Prevailing Wage Project **

The Micon Construction, Inc. Good Faith Effort advertisement has been published in both the Compliance News Internet and Hard-Copy publications (located online at: http://www.compliancenews.com). The undersigned declares: I am over the age of 18 years and a citizen of the United States of America. I am the principal publisher of the Compliance News Trade and Focus Journal in the United States of America. The notice a true copy of which is attached was published on 02-29-2024 at 12:14 PM PST. I declare under penalty of perjury that the foregoing is true and correct.

J.H. Sprague

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Compliance News
@compliance_news

Micon Construction, Inc. is looking for DBE in La Habra, California
complliancenews.com/trade-journal-...

City of La Habra
"A Caring Community"

CITY HALL – ENGINEERING DIVISION

110 E. La Habra Boulevard
Post Office Box 337
La Habra, CA 90633-0785
Office: (562) 383-4151

February 29, 2024

ADDENDUM NO. 1

WOMEN'S CLUB PARK PROJECT
CITY PROJECT NO. 1-P-22

To all prospective bidders and plan holders for **WOMEN'S CLUB PARK PROJECT, CITY PROJECT NO. 1-P-22.**

The intent of this Addendum No. 1 is to make revisions, additions, and/or deletions, and to answer and/or clarify questions for the Women's Club Park Project, Project No. 1-P-22; and are therefore hereby made a part of the contract bid documents.

A. **Date of Opening Bids:** The Bid Opening for this Project has been changed. Bids will now be received at the Office of the City Clerk, Civic Center, 110 E. La Habra Blvd, La Habra, California 90631 until 3:00 P.M. on Wednesday, March 13, 2024, at which time and place the bids will be publicly opened and read aloud. Bids shall be submitted in sealed envelopes marked on the outside: "WOMEN'S CLUB PARK PROJECT AT 200 W. GREENWOOD AVENUE, CITY PROJECT NO. 1-P-22. DO NOT OPEN WITH REGULAR MAIL."

An acknowledgment of receipt of this Addendum No. 1 shall be submitted with the Bid Proposal. Failure to provide such acknowledgment shall render the bid as non-responsive and subject to rejection.

BY ORDER OF THE CITY OF LA HABRA

BY: _____

Albert Mendoza, P.E.
Deputy Director of Public Works /
City Engineer

Micon Construction, Inc.

Contractor (Signature)

Mitch Holle - President

Name

3/1/2024

Date

City of La Habra
"A Caring Community"

CITY HALL – ENGINEERING DIVISION

110 E. La Habra Boulevard
Post Office Box 337
La Habra, CA 90633-0785
Office: (562) 383-4151

March 5, 2024

ADDENDUM NO. 2

WOMEN'S CLUB PARK PROJECT
CITY PROJECT NO. 1-P-22

To all prospective bidders and plan holders for **WOMEN'S CLUB PARK PROJECT, CITY PROJECT NO. 1-P-22.**

The intent of this Addendum No. 2 is to make revisions, additions and/or deletions, and answer and/or clarify questions for the Women's Club Park Project, Project No. 1-P-22; and are therefore hereby made a part of the contract bid documents.

Please note, this Addendum No. 2 partially answers questions received on/or before February 23, 2024. The remaining questions will be answered through a separate addendum.

A. **Questions and Answers:**

1) Can you please advise what color(s) (please include % of each color) were selected along with the type of urethane (aromatic or aliphatic) for the Playground Safety Surfacing L1.1 PV-02?
Response: The color will be submitted and approved by the City. Since this information may not be material to the bid it will be decided during the shop drawing and submittal process after the contract is awarded. The type of urethane will be per the manufacturer's recommendations.

2) Could you please confirm whether this project is subject to a PLA (Project Labor Agreement), a PSA (Project Stabilization Agreement), a CBA (Collective Bargaining Agreement), a CWA (Community Workforce Agreement), or anything of that nature?
Response: This Project is not subject to PLA, PSA, CBA, or CWA.

3) Is this project subject to State Prevailing Wage Rates OR Federal Davis-Bacon Wage Rates (or both)?
Response: All Public Works Projects in California are subjected to prevailing wages.

4) Please confirm if a Mandatory Pre-Bid Meeting will be held. If so, what date, time, and location?
Response: A Mandatory Pre-Bid Meeting was not required.

5) The signature line is missing in the Public Contract Code section 10232 statement, the signature line is missing. Does the contractor need to sign this document or is it not required?
Response: See paragraph two on page D-22 of the contract specifications.

6) Does the City have an engineer's estimate?
Response: The engineer's estimate: $1,641,400.

7) Does the City have a Survey Plan showing existing contour and existing topography?
Response: All the information for the project is in the Women's Club Park Project Plans and specifications.

8) Does the City have a grading plan showing existing import and export for the project?
Response: All the information for the project is in the Women's Club Park Project Plans and specifications.

9) Can the City provide details about the single pole shade structure footing at the fitness?
Response: All engineering drawings, details, etc. shall be per the manufacturer's recommendation.

10) Can the City provide details about the children's playground equipment footings?
Response: All engineering drawings, details, etc. shall be per the manufacturer's recommendation.

11) Can the City provide details for the shade structure footings at the children's play area?
Response: All engineering drawings, details, etc. shall be per the manufacturer's recommendation.

12) Can the City provide details for the Poligon Shelter footings?
Response: All engineering drawings, details, etc. shall be per the manufacturer's recommendation.

13) Can the City confirm that there are 3 water fountains?
Response: Yes, there are 3 drinking fountains in this project.

14) Can the City confirm that there are 4 BBQ grills?
Response: Yes, the project includes 4 BBQ grills: 2 standard BBQ grills, and 2 ADA BBQ grills.

15) Can the City confirm that there are 7 regular trash receptacles?
Response: The project calls for 14 trash receptacles: 9 concrete trash receptacles per detail 4, sheet L1.5, and 5 trash receptacles, per detail 5, Sheet L1.5

16) Can the City confirm that there are 2 hot coal receptacles?
Response: Yes, there 2 hot coal receptacles in this project.

17) Can the City confirm that the sum of the breakdown items in the bid form does not have to equate to the total bid price?
Response: The summation of the bid items 1 through 18 shall be the total bid price.

18) Do we remove and haul away the existing fence?
Response: Yes, the vinyl fence and footing shall be removed, disposed of, and be included as part of bid item 5, Clearing and Grubbing. No additional compensation we be made thereof.

19) DSA-PC drawings are called out, but we believe that is for only school projects. Is this joint use with the school? We can send DSA drawings along if they are truly needed.
Response: This is not a joint-used park. Therefore, DSA-PC drawings are not required.

20) Can the City confirm the sizes of each sail, the distance between columns, and the entry height at the lowest point for each column?
Response: The size of each shade sail will be custom-made; however, the shade sail shall cover the playground equipment footprint as noted on sheet L1.6. Any engineering drawings, details, etc. shall be per the manufacturer's recommendation.

21) For clarification does the 120-day completion schedule exclude the time for the permits, which is out of the contractor's control?
Response: All work shall be completed within One Hundred and Twenty (120) Working Days from the start date specified in the Notice to Proceed.

22) Please provide the models for the BBQ grill, Trash Receptacle, Bench with armrests, and Bike Rack on plan sheet L1.1/Construction Plan.
Response: Sheet L1.1 references the vendor for these products. Please contact Great Western Recreation for the model number, details, etc.

23) Specification section 2.01A/ 02900/ Sheet L4.2 shows mulch shall "Walk On-Chip" as supplier by Earthworks Soil Amendments Inc. However, Technical Specification section 2.01/ 329300 indicates mulch shall be Forest Floor from Soil & Sod om Pacoima. Please clarify.
Response: Mulch shall be per sheet L4.2.

24) Technical Specification section 3.05/ 329300 shows "Apply mulch to all planting areas to a depth of three inches (2") Please confirm the depth of mulch.
Response: See planting note 12 on sheet L3.1.

25) Jute Mesh is to be installed on all slopes 2-1/2:1 and greater per specification section 2.01A/ 02900/ Sheet L4.2. However, refer to Technical Specification section 3.03/ 329300, it is to be installed on all slopes 3:1 and greater. Please verify.
Response: Jute Mesh will be installed per section 3.02 - Soil Testing, Conditional, Fertilizing, and Weed Abatement, sub-section H on sheet L4.3.

26) Backfill application rates are different per Planting Details/ Sheet L3.3, Soil Report/ Sheet L3.3, and specification. Section 2.01B/ 02900/ Sheet L4.2. Please advise which application rate will be used for this bid.
Response: Please follow section 2.01 - Soil Additives, Fertilizers, Landscape Materials, and Herbicide, sub-section B on sheet L4.2.

27) On Sheet L2.1, the irrigation plan shows a note along W. Greenwood Ave stating "sleeving shall be two times the diameter of pipe passing but no sleeve shall be smaller than 8" in size", proposed piping is less than 8". Please advise if the control wire sleeving should be min. of 8".
Response: Refer to SCH 40 PVC Sleeving Chart on sheet L2.1.

28) Regarding to root barrier, Planting Note #18/ Sheet L3.1 shows using model #UB18-2 for trees (36"box, 24" box & 15 gal) that planted at curbs and driveways and model #LB12-2 for trees (36"box, 24" box & 15 gal) that planted at sidewalks and concrete drainages swale. However, specification section 2.02A/ 02900/ Sheet L4.2 indicates using root barrier model #UB18-2 for all of the trees (36"box, 24" box & 15 gal). Please confirm which root barrier will be applied.

Response: The type of root barrier will be submitted and approved by the City during the shop drawing and submittal process after the contract is awarded.

29) What is the anticipated start date?
Response: The award of contract, will be within sixty (60) calendar days of the opening of bids. Construction may begin in late spring or early summer.

30) Can you provide a copy of the CASQA BMP handbook for erosion control measures?
Response: Refer to the CASQA website: (https://www.casqa.org/resources/bmp-handbooks) to download a copy of the Handbook.

31) On Sheet L2.1, the remote-control valve is being called out as 3/4", 1-1/4", but Rain Bird EFB-CP only offers it in 1" and 1-1/2", and 2". Please advise.
Response: Bidder to provide a remote-control valve that is available in the market and compatible with the proposed irrigation system.

32) On Sheet L2.1, XF series dripline shows model XFS-CV-06-18 with emitter spacing at 18" oc, but the description underneath it shows XFS-CV-06-12. Please advise. What should the row spacing be?
Response: The dripline spacing shall follow the manufacturer's recommendation for XFS-CV-06-12.

33) On Sheet L2.1 for the controller on the irrigation legend, there is no model number. Please advise.
Response: The controller will be submitted and approved by the City during the shop drawing and submittal process after the contract is awarded.

34) On Sheet L2.1, does not show sleeving for the controller wire. Please advise.
Response: Refer to note 2 on the general note in sheet L2.1.

35) On Sheet L3.1, the tree planting plan, shows 36" box Olea Europaea 'Swan Hill' on tree legend but does not appear in the drawing. Please advise.
Response: The Olea Europaea 'Swan Hill' has been eliminated.

36) On Sheet L3.2, the shrub planting plan there are two planting areas adjacent to the play structure on the North side that have an AA callout that does not appear on the legend. Please Advise.
Response: Replace AA callout with LC.

37) On Sheet L3.2, shrub planting plan legend under Rose Garden there is a request for a mix of varieties of shrub roses. Please specify the botanical name/common name.
Response: The type of mix varieties of shrub roses will be submitted and approved by the City. Since this information may not be material to the bid it will be decided during the shop drawing and submittal process after the contract is awarded.

38) On Sheet L2.2 detail 6 item #10 asks for a Champion 300 Angle Valve, but this valve only comes in 3/4" or 1" and will not match valves larger than 1". Please advise.
Response: Refer to detail 6 in sheet L2.2 for the Champion 300 Angle Valve. The proposed valve shall be able to fit the irrigation system to be fully functional.

39) Will there be an existing power source at the controller location, or should power be run?
Response: Refer to Sheet E-2.

40) The rotor does not have a detail on sheet L2.2. Please advise.
Response: The details provided on Rainbird's Official website have been reviewed and provide the information requested. Please refer to those details and installation per the manufacturer's recommendation.

41) On Sheet L2.1, will the dripline be installed subsurface or on-surface?
Response: Please refer to the manufacturer's recommendation on the dripline installation.

42) On Sheet C5 detail #1 indicates this is the Pergola Detail but the detail itself is for the split-face Pilaster. Please advise.
Response: Detail 1 on sheet C5 is for the split-face pilaster and foundation. The foundation is per detail 4 on sheet C4.

43) On Sheet L1.1, callout PV-02 on the paving schedule shows Tototurf but does not specify a color. Please advise.
Response: The color will be submitted and approved by the City. Since this information is not material to the bid it will be decided during construction. The type of urethane per the manufacturer's recommendations.

44) How far should the sump be from the drinking fountain?
Response: The sump shall be within 3 ft from the centerline of the drinking fountain.

45) Per L1.3 detail #9 please specify the type of cast iron grate needed for the drinking fountain drain sump.
Response: The type of iron grate will be submitted and approved by the City during the shop drawing and submittal process after the contract is awarded.

46) On Sheet L1.4 detail #9 shows park sign. Can you provide the specs for this sign? Size, text color, background color, etc?
Response: The park sign will be submitted and approved by the City during the shop drawing and submittal process after the contract is awarded.

47) On Sheet L1.4 detail #9 shows 6x6 design tile. Can you provide the manufacturer and specs for these tiles?
Response: The type of 6 x 6 design tile will be submitted and approved by the City during the shop drawing and submittal process after the contract is awarded.

48) What is the spec on the planter mix for the planter boxes as shown on L1.4 detail #4 & #5?
Response: The type of planter mix will be submitted and approved by the City during the shop drawing and submittal process after the contract is awarded.

49) L1.4 detail #10 item 4 refers to C4 detail 4 for the footing detail, but C4 detail #4 is for the pergola base. Please advise.
Response: Detail 1 on sheet C5 is for the split-face pilaster and foundation. The foundation is per detail 4 on sheet C4.

50) On Sheet L1.1, the garden areas, there are three planter boxes but there is no indication of how many will be ADA per detail 5 on sheet L1.4. Please Advise.
Response: The middle planter box shall be constructed per detail 5 on sheet L1.4

51) On Sheet L1.4 detail #5 Raised Planter - ADA, the height of the planter box from the finish grade is 30". The detail indicates that the bottom of the planter will be raised, if so, will there be a need for a layer of 6x6 lumber for this side? Please confirm.
Response: The raiser planter shall be constructed per detail 5 on sheet L1.4 and shall include any additional timber to have a fully functional planter.

52) On Sheet L1.4 detail #5 Raised Planer - ADA, the top view of the planter shows galvanized steel pipe at ends and every 4 feet, but the section view shows a 4x4x8 wood post. Please advise.
Response: The raiser planter shall be constructed per detail 5 on sheet L1.4.

53) See page C-33 Bid item No.1 Mobilization and Demobilization sheet C-33 requests a projecting sign that is 4'x6' and refers to appendix "F", which indicates the sign is 132"x78". Please Advise
Response: The sign should be per Appendix F.

54) Please see sheet C2, the grading plan shows concrete areas requiring a 4" aggregate subbase, but the L1.1 drawing and L1.3 & L1.4 do not reflect these. Please advise.
Response: The concrete area shall be constructed per the plans and applicable details.

55) See Sheet C2, the grading plan shows concrete on areas that are designated as dg, paver, and playground surfacing. Please advise.
Response: Refer to Sheet L1.1 for the paving schedule.

56) C4 detail 1 refers to C4 detail 4 for the pilaster footing, but this sheet shows the pergola base detail. Please advise.
Response: Detail 1 on sheet C5 is for the split-face pilaster and foundation. The foundation is per detail 4 on sheet C4.

57) We would like to use as equal ICON for the metal structure, Action fit for the fitness equipment, Playcraft systems for the playground, and custom canopies for the fabric shade.
Response: The Bidder shall, at his own expense, furnish information or data concerning the article, equipment, material, or process offered by him as an equivalent to that specified; and, if the CITY shall so require, the Bidder, at his own expense, shall have the article, equipment, materials or process tested to its quality, strength, physical, chemical or other characteristics, its durability, finish, efficiency or service by a reputable testing engineer or laboratory satisfactory to the CITY.

In accordance with California Public Contract Code §3400(a), and as specified herein this Section, the Contractor shall submit its list of proposed substitutions for "an equal" ("or equal") item within 20 days after award of the contract. If an offered substitution by the Contractor for the trade names specified in the plans and specs necessitates changes to, or coordination with, other items of the Work, the information submitted shall include details showing such changes. The Contractor shall perform these changes as part of the substitution of material or equipment and at no additional cost to the CITY. The lack of action on the Engineer's side by taking no exceptions to the proposed substitution shall not relieve the Contractor from responsibility for the efficiency, sufficiency, quality, and

performance of the substitute material or equipment, in the same manner and degree as the material and equipment specified by name.

Whenever materials or equipment are indicated in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the naming of the item is intended to establish the type, function, and quality required. Unless stated otherwise, materials or equipment of other Suppliers may be accepted if sufficient information is submitted to the Engineer for review to determine whether the material or equipment proposed is equivalent or equal to that named.

Request for approvals of "or equal" items prior to Bid Opening will not be considered. Bidders are responsible to ensure their Bid includes the price required for the item as specified, and assumes all risk in including a price for an "or equal" item that is not approved by the Engineer, and any additional cost associated with furnishing and installing the item as specified in the specifications or plans.

The Contractor may bring forward a substitution proposal for an "or equal" item provided the request and supporting documentation is submitted within 20 days of contract award. The following information shall be included with any substitution request:

Whether or not acceptance of the substitute for use in the Work will require a change in any of the Contract Documents to adopt the design to the proposed substitute.

Whether or not incorporation or use of the substitute in connection with the Work is subject to payment of any license fee or royalty.

All variations of the proposed substitute from the items originally specified will be identified.

Certification that the proposed substitute will perform adequately the functions and achieve the results called for by the general design, and be similar and of equal substance to that indicated, and be suited to the same use as that specified.

There is no guaranteed time frame for the Engineer's review of the substitution requests.

The Contractor is responsible to demonstrate that the type, function, and quality of any such substitute product, material or equipment is equivalent to the specified item. The Engineer shall require at the Contractor's expense additional data about the proposed substitution he deems necessary.

If the Engineer takes no exceptions to the proposed substitution, it will not relieve the Contractor from responsibility for the efficiency, sufficiency, quality, and performance of the substitute material or equipment, in the same manner and degree as the material and equipment specified by name.

The lack of any action by the Engineer does not constitute acceptance of the substitution; all approved "or equal" substitutions must be approved in writing by the Engineer.

Acceptance by the Engineer of a substitute item does not relieve the Contractor of the responsibility for full compliance with the Contract Documents.

The Bid submittal must be based on the material and equipment specified by name per the Special Provisions and/or the Project plans for the Women's Club Park project, Project No. 1-P-22. If the proposal is rejected by the Engineer, you will not be entitled to either an extension in Contract Time, and/or an increase in the Contract Price.

As applicable, no Shop Drawing or Working Drawing submittals will be made for a substitute item nor will any substitute item be ordered, installed, or utilized without the Engineer's prior written approval.

Whether approved or disapproved, the Contractor must reimburse the CITY for the charges of the Engineer for evaluating each proposed substitution.

58) We would like to use as equal, USA shade structures which include sealed engineering drawings and calculations, powder-coated steel frames, and fabric (with a 10-year warranty).
Response: See the response to question 57 above.

An acknowledgment of receipt of this Addendum No. 2 shall be submitted with the Bid Proposal. Failure to provide such acknowledgment shall render the bid as non-responsive and subject to rejection.

BY ORDER OF THE CITY OF LA HABRA

BY: _____
Albert Mendoza, P.E.
Deputy Director of Public Works /
City Engineer

_____
Contractor (Signature)

Mitch Holle - President
Name

3/6/2024
Date

Micon Construction, Inc.

City of La Habra
"A Caring Community"

CITY HALL – ENGINEERING DIVISION

110 E. La Habra Boulevard
Post Office Box 337
La Habra, CA 90633-0785
Office: (562) 383-4151

March 6, 2024

ADDENDUM NO. 3

WOMEN'S CLUB PARK PROJECT
CITY PROJECT NO. 1-P-22

To all prospective bidders and plan holders for **WOMEN'S CLUB PARK PROJECT, CITY PROJECT NO. 1-P-22.**

The intent of this Addendum No. 3 is to make revisions, additions and/or deletions, and answer and/or clarify questions for the Women's Club Park Project, Project No. 1-P-22; and are therefore hereby made a part of the contract bid documents.

A. **Questions and Answers:**

1) On Sheet L1.1 at the garden area, there appears to be some kind of squared pattern surrounding the east, west, and south sides. Can you clarify what this is as there is no legend item for it or callout?
Response: A 6" Concrete Mow Strip per detail 8 of sheet L1.3 shall be around the perimeter of the area where the raised planter is located.

2) On Sheet L2.1, the flush valve and relief valve are not shown on the drawing but do appear in sheet L2.3. Please advise how many flush and relief valves to bid.
Response: All information regarding this project is in the plans and specifications.

3) Are there any utilities that run through the existing site? If so, how many and what estimated depths?
Response: To our knowledge all known existing utilities are noted on the plans.

4) Bid line item#4 indicates 800 LF of temp chain link fence. Is the 800 LF meant to cover the whole site including the adjacent existing sidewalk and curb?
Response: The temporary chain link fence is for the entire site.

5) See page C-41, Bid Item #13 indicates monument sign lighting, but this is not present in the drawings. Please advise.
Response: Lighting is not required for the park sign.

6) Per Bid Schedule item #16, what sidewalks have to be removed and reconstructed? There is no indication on the drawings that matches the 7,500 sf. Please advise.
Response: This bid item is to remove and reconstruct the adjacent sidewalk to the park.

7) Per Bid Schedule item #17, does the 100 LF mean just to reconstruct the curb and gutter at the drive approach locations?
Response: This bid item is to remove and reconstruct the curb and gutter at the south side of the park on Greenwood Avenue between Lois Street to Park Place.

8) For the existing parkway areas with the palms that are set to remain, this area is set to receive concrete and 5x5 tree wells will be created. Should sleeves be added? If yes, then new laterals and new drip rings, new valve, new wire possible, and new valve box will be required. Please advise.
Response: No.

9) On Sheet C3 EC-4 hydroseeding, will this only be applied during the rainy season of October to April? Existing conditions already show erosion control measures: straw wattle and hydroseed. Can these function as the required erosion control measures?
Response: Hydroseeding shall be per the BMP's guidelines.

10) On Sheet C3 EC-4 hydroseeding will be removed once the clearing, grubbing, and earthwork, and demo begin. Please confirm.
Response: Hydroseeding shall be per the BMP's guidelines.

11) How will the 2x6 Lattice be attached to the 3x6 grab beam as shown on sheet L1.4 detail 8?
Response: The bidder shall use a proper Simpson tie connection and the Building and Safety Department will review and approve this submittal.

12) How far into the pilaster will the lattice post be set?
Response: The bidder shall use a proper Simpson tie connection and the Building and Safety Department will review and approve this submittal.

13) How will the tile adhere to the split-faced block as shown in the elevation on sheet L1.4 detail 9?
Response: Where the tile will be placed, the bidder shall use a standard flat masonry block.

14) Please provide a square foot allowance for the pilaster tiles.
Response: The bidder shall estimate the square footage per the conceptual drawing on detail 9 of sheet L1.4.

15) How many park entry signs will be required as shown on sheet L1.4 detail 9?
Response: Two.

16) Are we to eliminate the lattice on the entry overhang where the sign is to be placed or attach the sign to the tails of the lattice?
Response: No.

17) What is the gauge of the wire mesh to be placed on the bottom of the raised and ground-level planters?
Response: The plans don't call for wire mesh at the raised planters.

18) How do we attach the wire mesh to the planter bed landscape timbers?
Response: Please refer to question 17 above.

19) Will any structural supports be required under the wire mesh on the raised planter to support the soil infill and if so please provide a specific detail as to their dimension, spacing, and attachment?
Response: Please refer to question 17 above.

20) What is the specification for the embedded stone pebbles shown on sheet L1.4 detail 2?
Response: See the paving schedule on sheet L1.1

21) Detail 1 sheet L1.4 calls out for reinforcement on the bike rack concrete pad although no reinforcement is specified elsewhere. Are we to include rebar on the pad or is this a typo?
Response: Rebar will not be required for the concrete pad.

22) Will the concrete under benches and the bike rack be field measured per bid item 16 or is it to be included within the specific furnishing item assembly?
Response: Benches and bike racks concrete pads are to be included in bid item 8.

23) Please provide the soil report for this project site if available.
Response: All information regarding this project is in the plans and specifications.

24) If no soils report is available please provide the over-excavation and or subgrade preparation requirements for the improvement areas within the project limits
Response: All information regarding this project is in the plans and specifications.

25) Has the old structure's sewer line been capped and removed or is it still connected and needs to be abandoned?
Response: To our knowledge, all known existing utilities are noted on the plans.

26) How long are the 2x6 lattices over the 3x6 grab beam as called out on sheet L1.4 detail 8 as they only scale out to 20" on sheet L1.2 which dent seem long enough to provide a consistent dimension as compared to the 28" lattice and grab beams attached to the supporting posts?
Response: The bidder shall use a proper Simpson tie connection and the Building and Safety Department will review and approve this submittal.

27) What is the scope of work for the existing median planters? Are we to clear and grub, remove palms, irrigate, etc. these planters as there is no directed scope on either the Civil or landscape sheets? Please provide direction for these areas.
Response: The bid item is on page C-44 of the contract specifications.

28) What are the dimensions of and reinforcement requirements for the PIP surfacing perimeter curb as shown on sheet L1.3 detail 7?
Response: The PIP Surface shall be per the manufacturer's recommendations.

29) Please clarify checkered banded perimeter around the planter bed/garden is DG. No keynote or callout for this finish was found.
Response: A 6" Concrete Mow Strip per detail 8 of sheet L1.3 shall be around the perimeter of the area where the raised planter is located.

30) No Keynote 15 found on sheet L1.1. Where is the associated concrete banding to be placed?
Response: Refer to sheet L1.1.

31) Sheet L2.1 shows an existing water meter to be used for the drinking fountain although it is used as the source of irrigation water on this sheet which is in direct conflict with sheet C2 New water service feeding the drinking fountains and branching off to a new backflow

which appears to be for the irrigation service. Please clarify the meter size, location, backflow size, on-site water fountain piping material, and which meter feeds irrigation and or landscape
Response: Refer to sheet L2.1.

32) There is not a bid line item for the Playground surfacing.
Response: The playground surface is under bid item 8 – Civil Construction and Hardscape.

B. **Replace Bid Schedule, page D-7 with the attached revised Bid Schedule, page D-7A. The quantities for the curb ramps have been revised.**

An acknowledgment of receipt of this Addendum No. 3 shall be submitted with the Bid Proposal. Failure to provide such acknowledgment shall render the bid as non-responsive and subject to rejection.

BY ORDER OF THE CITY OF LA HABRA

BY: _____
Albert Mendoza, P.E.
Deputy Director of Public Works /
City Engineer

Contractor (Signature)

Mitch Holle - President
Name

3/7/2024
Date

Micon Construction, Inc.

Enclosure(s)

CITY OF LA HABRA
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

110 E. LA HABRA BOULEVARD
LA HABRA, CA 90631
(562) 383-4151

SPECIFICATIONS FOR

WOMEN'S CLUB PARK PROJECT

200 W. GRENNWOOD AVENUE
PROJECT NO. 1-P-22

CITY MANAGER	JIM SADRO
LA HABRA CITY COUNCIL	
MAYOR	DAREN NIGSARIAN
MAYOR PRO TEM	ROSE ESPINOZA
COUNCIL MEMBER	STEVE SIMONIAN
COUNCIL MEMBER	JAMES GOMEZ
COUNCIL MEMBER	JOSE MEDRANO

BID OPENING: Tuesday, March 05, 2024, at 3:00 p.m.

PLANS AND SPECIFICATIONS:
PICKED UP: $30.00

CITY OF LA HABRA
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

110 E. LA HABRA BOULEVARD
LA HABRA, CA 90631
(562) 383-4151

SPECIFICATIONS FOR

WOMEN'S CLUB PARKS PROJECT

AT 200 W. GREENWOOD AVENUE
CITY PROJECT NO. 1-P-22

TABLE OF CONTENTS

NOTICE INVITING BIDS	A-2
INSTRUCTION TO BIDDERS	B-2
SPECIAL PROVISIONS	C-1
SECTION 1. DEFINITION OF TERMS	C-2
SECTION 2. REQUIREMENTS AND CONDITIONS	C-3
SECTION 3. SCOPE OF WORK	C-7
SECTION 4. CONTROL OF THE WORK	C-8
SECTION 5. CONTROL OF MATERIAL	C-12
SECTION 6. LEGAL RELATIONS AND RESPONSIBILITIES	C-14
SECTION 7. PROSECUTION AND PROGRESS	C-23
SECTION 8. PAYMENTS	C-23
SECTION 9. WORK SCHEDULES	C-24
SECTION 10. CITY REQUIREMENTS	C-25
SECTION 11. CONSTRUCTION DETAILS	C-27
SECTION 12. BID ITEMS FOR WOMEN'S CLUB PARK PROJECT	C-33
PROPOSAL	D-1
PROPOSAL	D-2
BIDDER'S INFORMATION	D-5
EXHIBIT A, BID SCHEDULE	D-6
ACKNOWLEDGEMENT OF ADDENDA RECEIVED	D-9
REFERENCES	D-10
DBE BIDDER'S LIST	D-12
VIOLATIONS OF FEDERAL, STATE, OR LOCAL LAWS	D-13
DISQUALIFICATION OR DEBARMENT	D-14
LIST OF SUBCONTRACTORS	D-15
BID SECURITY FORM	D-16
BID BOND	D-17
NON-COLLUSION AFFIDAVIT	D-18
WORKER'S COMPENSATION CERTIFICATE	D-19
PUBLIC CONTRACT CODE SECTION 10285.1 STATEMENT	D-20
PUBLIC CONTRACT CODE SECTION 10162 QUESTIONNAIRE	D-21
PUBLIC CONTRACT CODE SECTION 10232 STATEMENT	D-22
SAMPLE AGREEMENT	E-1
1.0 DEFINITIONS	E-2
2.0 SERVICES OF CONTRACTOR	E-3
3.0 COMPENSATION	E-5
4.0 PERFORMANCE SCHEDULE	E-5
5.0 COORDINATION OF WORK	E-6
6.0 INSURANCE, INDEMNIFICATION AND BONDS	E-8
7.0 RECORDS AND REPORTS	E-10
8.0 GENERAL PROVISIONS	E-11
LABOR AND MATERIAL PAYMENT BOND	E-18

FAITHFUL PERFORMANCE BOND E-20
SUPPLEMENTAL INFORMATION TO BE COMPLETED BY PRINCIPAL E-22
TAX IDENTIFICATION NUMBER E-23
BID GUARANTEE E-24
STATEMENT OF NON-COLLUSION BY CONTRACTOR E-25
CERTIFICATION OF COMPLIANCE E-26
EXHIBIT A – SCOPE OF SERVICES E-27
EXHIBIT B – INSURANCE REQUIREMENTS E-28
EXHIBIT C – CERTIFICATES OF INSURANCE AND ENDORSEMENTS E-31
EXHIBIT D – CLAIMS PROCEDURE E-32

APPENDIX “A”, Women’s Club Park Project Plans
APPENDIX “B”, Women’s Club Park Project Technical Provisions
APPENDIX “C”, Exhibit A – Curb Ramps List
APPENDIX “D”, Standard Drawings- Sidewalk, Curb Ramps, Curb and Gutter
APPENDIX “E”, Construction/Demolition Recycling Plan
APPENDIX “E”, Construction/Demolition Recycling Plan
APPENDIX “F”, Construction Project Sign

SECTION A

NOTICE INVITING BIDS

CITY OF LA HABRA

NOTICE INVITING BIDS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the City Clerk of the City of La Habra, California for furnishing all labor, services, materials, tools, equipment, supplies, transportation, utilities and all other items and facilities necessary therefor as provided in the Contract Documents for the: "**WOMEN'S CLUB PARK PROJECT AT 200 W. GREENWOOD AVENUE, CITY PROJECT NO. 1-P-22"** in strict compliance with the specifications, plans and contract documents on file at the Office of the City Clerk of the City of La Habra.

DATE OF OPENING BIDS: Bids will be received at the Office of the City Clerk, Civic Center, 110 E. La Habra Blvd, La Habra, California 90631 until **3:00 P.M. on Tuesday, March 05, 2024,** at which time and place the bids will be publicly opened and read aloud. Bids shall be submitted in sealed envelopes marked on the outside: "**WOMEN'S CLUB PARK PROJECT AT 200 W. GREENWOOD AVENUE, CITY PROJECT NO. 1-P-22. DO NOT OPEN WITH REGULAR MAIL**."

LOCATION OF WORK: The work to be done is located at 200 W. Greenwood Avenue in City of La Habra CA 90631.

DESCRIPTION OF WORK: The work comprises the furnishing of all materials, equipment, tools, labor and incidentals as required by the Plans, Specifications and Contract Documents for the above stated project. The general items of work to be performed hereunder consist of, but not be limited to, mobilization, preparation and implementation of best management practices, traffic control, excavation, construction of sidewalk, installation of a shade structure, installation of light poles, and park amenities including children's playground, work-out equipment, landscaping and irrigation, tree planting, etc. The work to be constructed hereunder is shown attached as APPENDIX"A". Typical work to be done is illustrated on the attached APPENDIX "B".

CONTRACTOR'S LICENSE: A Class "**A**" State of California Contractor's License is required for this project.

COMPLETION OF WORK: All work shall be completed within One Hundred and Twenty (120) Working Days from the start date specified in the Notice To Proceed.

LIQUIDATED DAMAGE: Liquidated damages are One Thousand dollars ($1,000) per calendar day.

AWARD OF CONTRACT: The City of La Habra reserves the right, after opening the bids, to reject any or all bids, waive any informality or irregularity in such bids, or to award to the lowest responsible bidder and reject all other bids.

PROPOSAL GUARANTEE AND BONDS: Each bid must be accompanied by a certified cashier's check or by a corporate surety bond on the form furnished by the City of La Habra, as guarantee that the bidder will, if an award is made to him in accordance with the terms of his bid,

promptly secure Worker's Compensation Insurance and Liability Insurance, execute the contract in the required form and furnish satisfactory bonds for the faithful performance of the contract and for the payment of claims of materialmen and workers thereunder. Said check or bidder's bond shall be in an amount of not less than ten percent (10%) of the amount of the bid. The Faithful Performance Bond shall be not less than one hundred percent (100%) of the total amount of the bid price named in the contract. The Payment Bond shall be not less than one hundred percent (100%) of the total amount of the bid price named in the contract. The City of La Habra reserves the right to reject any bond if, in the opinion of the Engineer, the Surety's acknowledgment is not in the form included in the contract documents or in another form substantially as prescribed by law.

PREVAILING RATES OF WAGES: Pursuant to the provisions of Section 1773 of the Labor Code of the State of California, the Director of Industrial Relations has ascertained the general prevailing rate of wages and employer payments for health and welfare, vacation, pension and similar purposes applicable to the work to be done. A copy of said wage rates is available on-line at:

https://www.dir.ca.gov/dlsr/DPreWageDetermination.htm

The Contractor and all subcontractors are responsible to pay the prevailing rates of wages that are specified within ten (10) calendar days before the bid open day and shall post a copy of said wage rates at the project site. The statutory provisions for penalties for failure to pay prevailing wages will be enforced (Labor Code §1775) and the statutory provisions for failure to comply with the States' wage and hour laws will be enforced (Labor Code §1813).

DEBARMENT: No Contractor or Subcontractor may be awarded as a contractor on a bid proposal if they have been Debarred by the State pursuant to Labor Code Sections 1777.1 and 1777.7 and Public Contracts Code Section 6109.

APPRENTICE: The Contractor shall comply with all laws, rules, regulations, and all the requirements of the Labor Code including, but not limited to, Section 1776, 1777.5, and 1777.6 of the California Labor Code.

CONTRACT DOCUMENTS: The Contract Documents shall consist of the following: Notice Inviting Bids; Instructions to Bidders; Proposal; Bidder's Information; Bid Schedule; Acknowledgement of Addenda Received; References; DBE Bidder's List; Violations of Federal, State, or Local Laws; Disqualification or Debarment; List of Subcontractors; Bid Security Form; Bid Bond; Non-Collusion Affidavit; Worker's Compensation Certificate; Public Contract Code Section 10285.1 Statement; Public Contract Code Section 10162 Questionnaire; Public Contract Code Section 10232 Statement; Agreement; Labor and Material Payment Bond; Faithful Performance Bond; Supplemental Information to be Completed By Principal; Tax Identification Number; Bid Guarantee; Statement of Non-Collusion By Contractor; Certification of Compliance; Special Provisions; Drawings; and the Standard Specifications for Public Works Construction, latest edition and supplements thereto, made a part by reference, together with all additions, deletions, modifications or interpretations of any of said documents, all of which are hereby made a part of this Notice Inviting Bids.

Specifications are available for inspection, without charge, at the Office of the City Engineer of the City of La Habra.

Complete sets of said plans, specifications, and bid documents may be purchased at thirty dollars (**$30.00**) per set and are obtainable from the City Engineer of the City of La Habra, 110 E. La Habra Blvd, La Habra, California. No refund shall be made for sets of said plans, specifications, and bid documents returned.

ADDRESS AND MARKING OF PROPOSAL: The envelope enclosing the proposal shall be sealed and addressed to the City Clerk and hand delivered to the City Clerk at the Civic Center, 110 E. La Habra Blvd (Administration Department), or mailed to City Clerk, Civic Center, 110 E. La Habra Blvd, La Habra, California 90631. The envelope shall be plainly marked in the upper left-hand corner with the name and address of the bidder and shall bear the words "Proposal For" followed by the title of the specifications for the work, and the date and hour of opening bids. The certified or cashier's check, money order, or bidder's bond shall be enclosed in the same envelope with the proposal.

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REQUIREMENT: No Contractor or Subcontractor may be listed on a bid proposal for a public works project unless registered with the Department of Industrial Relations (DIR) pursuant to Labor Code 1725.5 and Senate Bill 854. Payroll documents for the contractor and subcontractors should be submitted and registered on time with the DIR.

Under California Labor Code Section 1771.1, in order to be awarded and to perform work on public works projects, prime contractors and subcontractors must possess and maintain registration with the Department of Industrial Relations (DIR) at https://www.dir.ca.gov/public-works/contractor-registration.html. This is a separate requirement from the Contractors State License Board (CSLB) licensing requirement.

SUBMISSION OF QUESTIONS DURING BIDDING PERIOD:

- Questions received after, February 23 2024 prior of opening bids, may not be considered.
- Questions or clarifications deemed by the City to be material change will be answered via issuance of an addendum and posted to the City's online bidding service, CIPlist.com.
- 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 issued addenda and to include all such information in its Bid.
- Any questions regarding this solicitation shall be submitted electronically to Danny Gonzalez at dgonzalez@lahabraca.gov.

BID PROTEST: Bidders may file a "protest" of a Bid with the City Clerk. In order for a Bidder's protest to be considered valid, the protest must include all of the following items:

1. Be filed in writing within seven (7) calendar days after the bid opening date.
2. Clearly identify the specific irregularity or accusation.
3. Specify, in detail, the grounds of the protest and the facts supporting the protest.
4. Include all relevant, supporting documentation with the protest at the time of filing.

If the protest does not comply with each of the above requirements, it will be rejected as invalid. Should the protest be deemed to be valid, the Engineering Division shall review the basis of the protest and all relevant information. The Director of Public Works or designee will provide a written response to the protestor. Should there may be any appeal to the decision made by the Director of Public Works , the protester can file an appeal letter to the City Manager.

SECTION B

INSTRUCTIONS TO BIDDERS

CITY OF LA HABRA

INSTRUCTIONS TO BIDDERS

The following instructions and conditions apply to the attached bid and the bidder acknowledges the acceptance thereof by signing and filing said bid.

Each bidder shall state whether he is an individual, firm or corporation; if firm, give name of each member; if a corporation, give name of president, secretary, treasurer and manager.

Proposals shall be submitted to the City of La Habra on forms prepared and furnished in the bid documents, or as provided by the Engineering Office of the City of La Habra. When presented, they must be completely made out in the manner and form indicated therein, showing the proposed prices clearly and legibly and must be properly signed by the bidder. Proposals presented otherwise may be rejected.

Each proposal so submitted, together with the required proposal guarantee hereinafter prescribed, shall be presented under sealed cover and must be filed prior to the time and place designated in the Notice Inviting Bids. A proposal so presented, however, may be withdrawn by the bidder provided the request therefor is made in writing, is signed by the bidder or his authorized representative and is filed prior to the time fixed for the opening of bids. The withdrawal of a bid proposal does not prejudice the right of the bidder to file a new bid.

All proposals submitted as hereinabove prescribed will be publicly opened and read at the time and place indicated in the Notice Inviting Bids.

Bids are required for the entire work. The amount of the bid for comparison purposes will be the total of all items.

The bidder shall set forth for each item of work, in clearly legible figures, a unit price and an amount for the item in the respective space provided for this purpose. In the case of unit price items, the amount set forth under the "AMOUNT" column shall be the extension of the unit price bid on the basis of the estimated quantity for the item.

In case of discrepancy between the "Unit Price" and the "Amount" set forth for the item, the Unit Price shall prevail. However, if the amount set forth as a Unit Price is ambiguous, unintelligible or uncertain for any cause or is omitted or in the case where the Unit Price is the same amount as the entry in the "AMOUNT" column for the item, the "AMOUNT" price shall prevail in accordance with the following:

(1) As to lump sum items, the amount set forth in the "AMOUNT" column shall be the unit price.
(2) As to unit price items, the amount set forth in the "AMOUNT" column shall be divided by the estimated quantity for the item and the price thus obtained shall be the unit price.

In case of discrepancy between the sum of the individual "AMOUNT" prices, and the Total Bid Price, the sum of the individual "AMOUNT" prices will prevail.

In case of discrepancy of the Mobilization and Demobilization "Unit Price" and "Amount" being higher than Five percent (5%) of the total bid amount as stated in the contract document, then the "Unit Price" and "Amount" shall be deemed to be Five percent (5%) of the total bid amount.

In case of discrepancy of a bid item's "Unit Price" and "Amount" being higher than the minimum percentage of the total bid amount as stated in the contract document, then the "Unit Price" and "Amount" shall be deemed to be the percentage stated of the total bid amount.

In case of discrepancy between the words and the figures for the Bid Schedule Total Bid Price, the words shall prevail.

Bidders must satisfy themselves by personal examination of the location of the proposed work and by personal examination of the proposed contract documents as to the actual conditions and the requirements of this work and shall not at any time after submission of the bid dispute, complain or assert that there was any misunderstanding in regard to the nature or the amount of work to be done unless a written change in these specifications or contract or written clarification thereof has been issued by the City of La Habra.

Each bid must be in a sealed envelope which is to be clearly marked so as to identify it as a bid (such as "Sealed Bid - do not open with regular mail"), giving the number and name of the project or specification and the name of the bidder. These instructions are particularly necessary if your bid is transmitted by mail. Failure to identify the project or to address it to the City Clerk, Civic Center, 110 E. La Habra Blvd, La Habra, California 90631, Attention "City Clerk", will result in the opening of the envelopes with the regular mail and may thereby void the bid.

The City Council will award the contract to the lowest responsible bidder, however, said Council reserves the right to reject any or all bids, to waive any informality in the bids received and, if necessary, to take said bids under advisement for a period not to exceed sixty (60) calendar days.

All proposal requirements and conditions as set forth in the Standard Specifications for Public Works Construction (Greenbook) Edition 2021 shall apply hereto.

APPROXIMATE ESTIMATE: The quantities shown in the proposal form and in the Engineer's Estimate shall be considered as approximate only, being listed therein for the purpose of serving as a general indication of the amount of work or materials to be performed or furnished as a basis for the comparison of bids. The Council does not guarantee nor agree, either expressly or by implication, that the actual amounts required will correspond therewith, but reserves the right to increase or decrease the amount of any item, portion of work to be performed or material to be furnished, or to omit any such item or portion, in accordance with the provisions relative thereto set forth in the bid documents or Standard Specifications for Public Works Construction (Greenbook) Edition 2021 under which the work is to be constructed, without in any way invalidating the contract should such increase, decrease or omission be deemed necessary or

expedient. The City of La Habra reserves the right to increase or decrease the amount of any item as necessary due to budgetary requirements.

DISADVANTAGED BUSINESS ENTERPRISE (DBE) REQUIREMENTS: The City of La Habra requires that Disadvantaged Business Enterprises (DBEs) have the opportunity to participate in public works projects. To assist the City of La Habra in establishing future Annual Anticipated DBE Participation Level (AADPL), all contractors are required to submit a list of all subcontractors and suppliers, whether DBE or not, contacted during preparation of the bid.

SECTION C

SPECIAL PROVISIONS

SPECIAL PROVISIONS

SECTION 1. DEFINITION OF TERMS

CITY: The City of La Habra

CITY COUNCIL: The City Council of the City of La Habra.

ENGINEER: Any reference to the "Engineer" in the specifications shall be construed to mean the City Engineer of the City of La Habra or his authorized agents.

AGENCY: The legal entity for which the Work is being performed.

BIDDER: Any individual, firm or corporation submitting a bid to furnish the materials and equipment and perform the work herein specified, properly made out on the form furnished by the City Engineer, duly executed by the bidder and enclosed within a sealed envelope directed to the City Clerk, Civic Center, 110 E. La Habra Blvd., La Habra, California 90631.

BID FORMS: The blank forms prepared by the City of La Habra on which the bidder must submit the bid.

CONTRACTOR: The bidder whose bid is accepted and to whom the contract is awarded.

CONTRACT: The Specifications, Special Provisions, the notice inviting bids, the bid and addenda of the Contract, and the agreement entered into pursuant thereto shall constitute the Contract between the City of La Habra and the Contractor.

LABORATORY: The designated laboratory authorized by the Engineer to test materials and work involved in the contract.

THE WORK: All the work required to be performed under the contract.

GENERAL CONSTRUCTION TERMS: Unless otherwise specifically defined herein or unless the content requires a different meaning, all words, terms and phrases having a well-known or technical meaning shall be so construed.

USE OF PRONOUNS: Words used herein in the masculine gender include the feminine and neuter and vice versa; the singular number includes the plural and the plural the singular. The word "person" includes a corporation, association or partnership.

SECTION: The part into which these Special Provisions are divided. Each section is designated by a whole number preceding its title.

ARTICLES: The parts into which sections are divided. Each article is designated by a number preceding its title, the first two figures to the right of the decimal point being the number of the

article and the figures or figure to the left of the decimal point being the number of the section of which such article is a part. Thus: Article 11.05 indicates Article 5 of Section 11.

SUBDIVISIONS: The parts into which articles are divided. Each subdivision is designated by a number preceding its title, the figure or figures to the right of the article number being the number of the subdivision. Thus: Subdivision 11.05.2 indicates Subdivision 2 of Article 5 of Section 11.

STANDARD DRAWINGS: The document entitled "Standard Plan for Public Works Construction", 2021 Edition, and supplements thereto, are hereinafter referred to as the Standard Drawings.

Details of structures, devices, or instructions referred to on the Standard Drawing by title or number.

In case of conflict between the Standard Drawings and these Plans, these Plans shall take precedence over and be used in lieu of such conflicting portions of the Standard Specifications.

STANDARD SPECIFICATIONS: The document entitled "Standard Specifications for Public Works Construction", 2021 Edition, and supplements thereto, are hereinafter referred to as the Standard Specifications.

Other terms appearing in the Standard Specifications shall have the intent and meaning specified in Section 1 "General" of the Standard Specifications.

In case of conflict between the Standard Specifications and these Special Provisions, these Special Provisions shall take precedence over and be used in lieu of such conflicting portions of the Standard Specifications.

SECTION 2. REQUIREMENTS AND CONDITIONS

ARTICLE 2.01: EXAMINATION OF PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND WORKSITE: Bidders must satisfy themselves by personal examination of the proposed work site and by such other means as they may prefer as to the actual conditions and requirements of the work. Bidders shall not at any time after submission of the bid, dispute, complain or assert that there was any misunderstanding in regard to the nature or amount of work to be done.

The CITY, in accordance with Title VI of the Civil Rights Act of 1964 (78 Station 252) and the Regulations of the Department of Commerce (15 C.F.C., Part 8), issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that the contract entered into pursuant to this advertisement will be awarded to the lowest responsible bidder without discrimination of the grounds of race, color or national origin.

ARTICLE 2.02 BID FORMS: All bids submitted shall be made on the blank forms provided with the bid documents. Bids submitted on forms other than those provided with the bid documents shall be rejected. All bids shall give the price bid both in writing and figures and shall be signed

by the bidder with his address. Bids shall be enclosed in a sealed envelope directed to the City Clerk, Civic Center, 110 E. La Habra Blvd, La Habra, California 90631.

ARTICLE 2.03 IRREGULAR BIDS: Bids may be rejected if they show any alterations of form, additions not called for, conditional bids, incomplete bids, erasures or irregularities of any kind.

ARTICLE 2.04 DISQUALIFICATION OF BIDDERS: The CITY COUNCIL may reject any and all bids should it deem this for the public good and the bid of any party who has been delinquent or unfaithful in any former contract with the CITY, and may reject all bids other than the lowest bid of any responsible bidder and may award the contract for said work or improvement to the lowest responsible bidder at the prices named in his bid.

ARTICLE 2.05 MATERIAL GUARANTEE: Before any bid is accepted, the bidder may be required to furnish a complete statement of the origin, composition and manufacture of any or all materials to be used in the construction of the work, together with samples which may be subjected to the tests provided for in these Specifications or in the Special Provisions to determine their quality and fitness for the work.

ARTICLE 2.06 BONDS: In lieu of Section 1-7.2 "Contract Bonds" of the Standard Specifications, the Contractor, simultaneously with the execution of the Agreement, shall furnish a surety bond in an amount equal to one hundred (100) percent of the contract price as security for the faithful performance of the contract and a separate surety bond in an amount equal to one hundred (100) percent of the contract price as security for the payment of all persons performing labor and furnishing materials in connection with the contract. Said bonds shall be secured from a Surety Company satisfactory to the CITY.

ARTICLE 2.07 BID GUARANTEE:

Subdivision 2.07.1: All bids shall be presented under sealed cover and shall be accompanied by cash, cashier's check, certified check or bidder's bond made payable to the City of La Habra for an amount equal to at least ten percent (10%) of the amount of said bid. No bid will be considered unless such cash, cashier's check, certified check or bidder's bond is enclosed therewith.

Subdivision 2.07.2: Return of Bid Guarantee: The bid guarantee of the bidder or bidders who are being considered for the award of the Contract shall be held until the execution of said contract, and shall thereupon be returned to the bidder. Bid guarantee of other bidders will be returned to such bidders upon award of the Contract.

ARTICLE 2.08 AWARD OF CONTRACT: The award of contract, if it be awarded, will be within sixty (60) calendar days of the opening of bids.

ARTICLE 2.09 EXECUTION OF CONTRACT: The contract, construction schedule, and bonds shall be executed and filed by the successful bidder with the City Clerk of the City of La Habra not later than ten (10) calendar days after the award of contract.

All bidders may submit with their bids a sworn statement of their financial responsibility, technical ability and experience. Such sworn statement may be required to be furnished before award is made to any particular bidder.

The CITY COUNCIL may, upon the refusal or failure of successful lowest responsible bidder to accept the contract, award it to the second lowest responsible bidder. If the legislative body awards the contract to the second lowest bidder, the amount of the lowest bidder's security shall be applied by the CITY to the difference between the low bid and the second lowest bid; and the surplus, if any, shall be returned to the lowest bidder if cash or a check is used, or to the surety company if bidder's bond is used.

ARTICLE 2.10 BEGINNING OF WORK: The Contractor shall begin work from the start date specified in the Notice To Proceed.

ARTICLE 2.11 PLANS AND SPECIFICATIONS: Specifications and bid documents are on file at the Office of the City Engineer, Civic Center, 110 E. La Habra Blvd., La Habra, California. Copies may be purchased from the City Engineer for a fee of thirty dollars (**$30.00**) for each set of specifications and accompanying drawings. No refunds shall be made for sets of said plans, specifications and bid documents returned. A digital copy of said Contract Documents (saved in PDF format) are available free of charge, posted at the following website:

http://www.ciplist.com/

ARTICLE 2.12 CONTRACT DOCUMENTS: The Contract Documents shall consist of the following: Notice Inviting Bids; Instructions to Bidders; Proposal; Bidder's Information; Bid Schedule; Acknowledgement of Addenda Received; References; DBE Bidder's List; Violations of Federal, State, or Local Laws; Disqualification or Debarment; List of Subcontractors; Bid Security Form; Bid Bond; Non-Collusion Affidavit; Worker's Compensation Certificate; Public Contract Code Section 10285.1 Statement; Public Contract Code Section 10162 Questionnaire; Public Contract Code Section 10232 Statement; Agreement; Faithful Performance Bond; Labor and Material Payment Bond; Supplemental Information to be Completed By Principal; Tax Identification Number; Bid Guarantee; Statement of Non-Collusion By Contractor; Certification of Compliance; Special Provisions; Drawings; and the Standard Specifications for Public Works Construction, latest edition and supplements thereto, together with all additions, deletions, modifications, appendices and all addenda as prepared prior to the date of the bid opening setting forth any modifications or interpretations of any said documents are hereby incorporated in and made a part of the Contract Documents.

All Contract Documents are complementary, and what is called for in any one shall be as binding as if called for in all. The intention of the documents is to require a complete and finished piece of work. The Contractor, at his sole cost and expense, shall perform all labor and services and shall furnish all materials, tools, equipment and facilities necessary for the proper execution of the work, with the exception of such items as may be definitely stipulated in the Specifications or on the Plans to be furnished by the CITY. Anything shown on the Plans and not in the Specifications, or in the Specifications and not in the Plans, shall be performed by the Contractor as though shown on both the Plans and Specifications.

Documents which shall be signed and returned to the CITY with Bid Proposal are:

> Proposal; Bidder's Information; Bid Schedule; Acknowledgement of Addenda Received; References; DBE Bidder's List; Violations of Federal, State or Local Laws; Disqualification or Debarment; List of Subcontractors; Bid Security Form; Bid Bond; Non-Collusion Affidavit, Worker's Compensation Certificate; Public Contract Code Section 10285.1 Statement; Public Contract Code Section 10162 Questionnaire; and Public Contract Code Section 10232 Statement.

Documents which are to be signed and returned to the CITY by the winning bidder are:

> Agreement; Payment Bond, Faithful Performance Bond, Supplemental Information to be Completed by Principle, Tax Identification Number, Bid Guarantee, Statement of Non-Collusion, Certification of Compliance; Liability Insurance; and Workers Compensation Insurance.

Subdivision 2.12.1 Precedence Of Contract Documents: If there is a conflict between Contract Documents, the order of precedence shall be as follows:

1. Contract
2. Special Provisions/Specifications
3. Plans

Within the Specifications, the order of precedence is as follows:

1. Permits from other agencies/Supplemental Agreements
2. Change Orders
3. Addenda
4. Special Provisions
5. Instructions to Bidders
6. Notice Inviting Bids
7. Referenced Standard Drawings
8. Referenced Standard Specifications

With reference to Plans, the order of precedence is as follows:

1. Change Order drawings govern over Addenda and Contract drawings.
2. Addenda drawings govern over contract drawings.
3. Contract drawings govern over shop drawings and Standard drawings.
4. Detail drawings govern over general drawings.
5. Figures govern over scaled dimensions.

ARTICLE 2.13 AUTHORITY OF THE ENGINEER: The Engineer shall have the authority to direct as may be necessary to ensure that the work is in strict compliance with the Contract Documents; determine the quantity, quality and soundness of the work; determine if material and

equipment being used is satisfactory; interpret the requirements of the contract; and, make decisions regarding the progress and execution of the work. However, neither the Engineer nor any representative of the Engineer shall have the authority to authorize extra work that is out of scope of the project or increase the cost beyond the contract amount without prior approval by the CITY COUNCIL. Should any discrepancy appear or any misunderstanding arise as to the importance of anything contained in the Specifications or Plans, the matter shall be referred to the Engineer, who shall decide the same in accordance with the true intent and meaning as construed by him. Any difference or conflicts which may arise between the Contractor and any other contractor also under the contract administration of the Engineer shall be arbitrated by the Engineer.

ARTICLE 2.14 ACCESS TO WORK: The Engineer, his agents and duly authorized representatives of the CITY shall at all times and for any purpose, have access to the work and the premises used by the Contractor and the Contractor shall provide safe and proper facilities therefor.

ARTICLE 2.15 LEGAL ADDRESS OF THE CONTRACTOR: The address given in the Proposal is hereby designated as the place to which all notices, letters and other communications to the Contractor shall be mailed or delivered. The mailing or delivering to the above-named place of any notice, letter or other communication to the Contractor, shall be deemed sufficient service thereof upon the Contractor. The date of said service shall be the date of such mailing or delivery. Such address may be changed at any time by a written notice signed by the Contractor and delivered to the Engineer.

ARTICLE 2.16 CONTRACTOR'S RESPONSIBILITIES: The Contractor shall be responsible for the safe, efficient and adequate use of equipment during the progress of the work so as to secure the safety of the workers and others. The Contractor is also responsible for the quality of work required and the stipulated rate of progress. It shall be the Contractor's responsibility to perform the work strictly in accordance with the Specifications and Plans or in accordance with modifications as may be made by the Engineer in the form of addendum or written change orders. The presence of the Public Works Inspector does not relieve the Contractor of his obligation to comply with the requirements of the Plans, Specifications and Contract Documents.

The Contractor shall assume the defense of and indemnify and save harmless the CITY and its officers and agents from all claims of any kind arising from his own negligence or that of his agents in the performance of the Contract.

The Contractor shall be responsible for the custody of any material furnished him for the care of all work until its completion and final acceptance. He shall, at his own expense, replace damaged or lost material and repair damaged parts of the work or the same may be done at the Contractor's expense by the CITY.

During the progress of the work the Contractor shall keep the worksite in a neat and clean condition and free from any unsightly accumulation of rubbish. If stockpiling is necessary, the material shall be removed or disposed of weekly. He shall remove from the vicinity of the completed work all plant, building, rubbish, unused materials, concrete forms and equipment belonging to him or used

under his direction during construction. In the event of his failure to do so, the same may be removed by the CITY at the Contractor's expense.

All operations of the Contractor shall be conducted in such a manner as to avoid unnecessary dust. To this end, the Contractor shall provide equipment, materials, water, and labor to keep all parts of the work adequately sprinkled and dust free as determined by the Engineer. Full compensation for dust control measures and conforming with the provisions of this Section shall be included in the prices paid for the various contract items of work listed in the Bid Schedule, and no additional compensation will be allowed therefor.

SECTION 3. SCOPE OF WORK

ARTICLE 3.01 WORK TO BE DONE: The Contractor shall for the price bid furnish all the necessary labor, materials, equipment, methods, processes, implements, tools, and machinery except as otherwise specified to perform the required work in a thorough and workmanlike manner in accordance with the plans and specifications, and to the satisfaction of the Engineer.

The general items of work to be performed hereunder consist of, but are not be limited to:

Mobilization; preparation and implementation of best management practices; traffic control; excavation; construction of sidewalk, installation of a shade structure, installation of light poles, electric work and installation of park amenities including children's playground, work-out equipment, landscaping and irrigation, tree planting, and all associated work as identified on the construction plans and specification.

ARTICLE 3.02 FINAL CLEANING UP: Before acceptance of the work and final payment therefor, the Contractor shall clean the work and all ground occupied by him in connection with the work, of all rubbish, excess materials, equipment and forms. All parts of the work shall be left in a neat and presentable condition.

ARTICLE 3.03 REPAIRS AND REPLACEMENTS: All damage done to existing facilities and improvements by the Contractor shall be repaired by him to the satisfaction of the Engineer. Where sidewalks, curbs or gutters are to be repaired, the repairs shall be made by removing and replacing the entire section back to the nearest score lines and not by refinishing the damaged portion.

SECTION 4. CONTROL OF THE WORK

ARTICLE 4.01 COORDINATION OF PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS: These specifications, drawings, special provisions and all supplementary documents are essential parts of the contract. A requirement occurring in one is as binding as though occurring in all. The drawings and specifications are intended to be cooperative and to describe and provide for the workmanlike completion of proposed improvements. Refer to Subdivision 2.12.1 for precedence of Contract Documents.

ARTICLE 4.02 SPECIFICATIONS AND DRAWINGS: The Contractor shall keep at the work site a copy of the Specifications and Plans at all times and provide the Engineer access thereto.

The Contractor shall check all dimensions and quantities on the drawings or schedules herein contained or given to him by the Engineer, and shall notify the Engineer of errors therein which may be discovered by examining and checking the drawing. He shall not take advantage of any error or omission in these specifications, drawings or schedules, but should such error or omission be discovered, the Contractor shall notify the Engineer and the Contractor shall carry out the Engineer's instructions, as if originally specified.

ARTICLE 4.03 SUPERVISION BY THE CONTRACTOR: The Contractor shall give his personal superintendence to the work, using all his skills and attention in directing the performance of the work or he shall provide a competent, full-time superintendent or foreman with the authority to act on his behalf and whom shall be present to direct the work on the project at all times during its progress. All directions given to the Contractor's superintendent or other authorized supervisory employee shall be as binding as if delivered to the Contractor personally.

ARTICLE 4.04 LABOR: Any overseer, superintendent, laborer or other person employed by the Contractor who shall perform his work in a manner contrary to the specifications shall be discharged immediately and such person shall not again be employed on the project.

ARTICLE 4.05 LINES AND GRADES: The Contractor will set all lines and grades in accordance with the plans and all work done shall conform thereto. The Contractor shall survey stakes and mark the necessary give lines and grades. The Contractor shall preserve all stakes set for lines, grades or measurements of the work in their proper places until authorized to remove them by the Engineer. Any expense incurred in replacing stakes which the Contractor or his subordinates may have failed to preserve shall be borne by the Contractor. Unless otherwise noted, the grade between two grade points shall be a straight line between such two points.

ARTICLE 4.06 INSPECTION: The Contractor shall notify the Engineer at least 48 hours in advance of starting or resuming work so that the Engineer can arrange for an inspector to be present. Failure to give such notice shall be cause for rejection of such work. The Contractor shall furnish the engineers and inspectors reasonable facilities for obtaining such information as may be necessary to give them full information at all times respecting the progress and manner of doing the work and the character of the materials.

Subdivision 4.06.1 Special Inspection Fees: If the Contractor elects to work under this contract more than 8 hours per day and 40 hours per week; or Saturday, Sunday, overtime, or CITY Holidays, the Contractor shall arrange with the Engineer for the required inspection service and pay the special inspections fees which will be charged at the following rates:

Monday through Friday	$150.00 / hour
Saturday, Sunday, overtime and Holidays	$200.00 / hour

ARTICLE 4.07 DEFECTIVE WORK OR MATERIALS: Inspection of the work shall not relieve the Contractor of his obligation to fulfill his duty as herein prescribed. Defective work shall be

made good by the Contractor. Unsuitable work and materials may be rejected notwithstanding that such work and materials were previously inspected by the Engineer and accepted or estimated for payment. If the work, or any part thereof, is determined to be defective at any time before final acceptance of the work, the Contractor shall forthwith make good such defect without additional compensation in a manner satisfactory to the Engineer.

If materials furnished and brought upon the job site by the Contractor for use in the work, or selected for the same by him shall be determined by the Engineer as unsuitable or not in conformity with the Specifications, the Contractor shall forthwith discard such materials and remove them to a satisfactory distance from the vicinity of the work.

If the Contractor fails or neglects to make ordered repairs to defective work, or to remove rejected materials from the work site within 10 days after notification by the Engineer, the Engineer acting on behalf of the CITY may make the ordered repairs or remove the condemned materials and deduct the cost thereof from monies due to the Contractor.

ARTICLE 4.08 EQUIPMENT AND PLANT: Equipment not suitable to produce the quality of work required will not be permitted to operate on the project.

Plants, tools and equipment shall be designed and constructed in accordance with general practice for such equipment and shall be of sufficient capacity and of such character to insure the production of sufficient material to take the work to completion within the scheduled time frame. The Contractor shall provide adequate and suitable equipment and plants to meet the above requirements and when ordered by the Engineer shall remove unsuitable equipment from the worksite and discontinue receiving materials from unsatisfactory plants.

ARTICLE 4.09 ADDITIONS OR OMISSIONS OF WORK, LABOR OR MATERIALS:

Subdivision 4.09.1: Additions: The Contractor shall make additional excavations, furnish and place additional imported borrow, plant-mixed surfacing, concrete or do other additional work or furnish other additional materials where the necessity for or the extent of such work or materials does not appear and cannot with reasonable diligence, cost and certainty, be determined in advance or will only be disclosed by the doing of the work or in any contingency which reasonable care and consideration could not be foreseen. Such additional work or materials shall be specified in writing by the City Engineer, subject to approval of the CITY COUNCIL, and shall be paid for at the unit prices set for in the contract.

Subdivision 4.09.2: Omissions: The Contractor shall omit any portion of the work, labor or materials required to be done or furnished under the plans and the specifications when the necessity for the omission of said work, labor or materials does not appear and cannot with reasonable certainty, diligence and cost be ascertained in advance or will only be disclosed by the doing of the work or in any contingency which reasonable care and consideration could be foreseen; which said omission of work, labor or materials shall be specified and required in writing by the Engineer, subject to the approval of the CITY COUNCIL, and shall be deducted from the contract price at the unit prices therefore set forth in said contract. Where the contract price is a lump sum, then the cost of the amount deducted shall be proportion of said lump sum such as the

quantity of work, labor or materials omitted bears to the quantity upon which said lump sum is based.

Subdivision 4.09.3: Mark-Ups For Extra Work: The Contractor shall use the specified mark ups for all approved extra work:

For General Contractor's work, 15% mark-up for materials and equipment; and 20% mark-up for labor.

For Subcontracted work, 10% mark-up for the first $5,000; and 5% mark-up for costs in excess of $5,000.

Subdivision 4.09.4: Tool and Equipment Rental: The rates to be used in determining equipment rental costs shall be as listed in the Caltrans "Labor Surcharge and Equipment Rental Rates" publication in effect at the time of bid.

ARTICLE 4.10 FINAL INSPECTION: The Engineer will not make the final inspection until the work provided and contemplated by the contract has been completed and the final clean-up performed.

ARTICLE 4.11 CONTRACTOR REPORTING REQUIREMENTS: The following items shall be required as a part of Contractor payment requests. Incomplete submittal or omission of any of the following requirements shall be cause for rejection and return of payment requests to the Contractor for correction. All items shall be complete and current to the satisfaction of the Engineer. The Contractor shall provide all information for his own firm as well as each and every subcontractor. Payment requests shall include at least the following items:

- Breakdown of each pay item showing locations and quantities of work requested for payment.
- Certification that the as-built records are current and documented in writing.
- Submission of DBE information including DBE amounts completed to date, DBE providers, Monthly DBE Trucking Utilization Report, and certification that the Contractor is meeting DBE contractual requirements.
- Certified Payroll Reports.
- Updated work schedule.
- All change order requests complete to date, including all Force Account cost supporting documentation.
- Copies of all SWPPP (if necessary) and other Best Management Practices reports, and certification that BMP's are current and implemented.
- Copies of test results (if testing is required of Contractor).
- Survey records, maps, cut sheets, calculations, and other data.
- Subcontractor Change Requests and subcontractor data.
- Other forms or reports as may be required by contract.

ARTICLE 4.12 PENALTIES: Notwithstanding penalty provisions elsewhere in these specifications, the CITY may impose financial penalties in the case of the Contractor not fulfilling

his contractual obligations. These obligations include, but are not limited to, performing work within the time limits of the contract; public notification; implementation of Best Management Practices, SWPPP, and other management plans; maintaining records; notification of the Engineer; traffic control; safety; controlling the work area; maintaining a competent supervisor on site at all times while performing work; surveying; testing; updating of schedules; and other such contractual obligations. The Contractor shall be responsible for all obligations and penalties applied to subcontractors as if he himself were performing the work.

The amount of penalty shall be equal to the daily liquidated damages, prorated for each 15-minute period, or portion of 15 minutes, of contract violation. Each violation shall be additive if multiple violations occur during the same time period.

ARTICLE 4.13 CLEANUP, TRAFFIC CONTROL, SAFETY: The Contractor shall maintain complete liability and responsibility for implementing project site cleanliness, traffic control, and safety at all times. If, in the opinion of the Engineer or his designated representative, there is a condition warranting corrective action by the Contractor, the Contractor will be advised and requested to correct the condition to the satisfaction of the Engineer. This requirement in no way absolves the Contractor of any obligation or duty to provide for the safety of persons and property at all times, nor does it impose any obligation or duty on the Engineer to provide any such services or advisement.

The Contractor's supervisor will not leave the project site until he has personally inspected and verified that all cleanliness, traffic control, and safety conditions are in a suitable condition, and has informed the Engineer that he has performed such an inspection. Likewise, no work may commence at the beginning of the work day until all cleanliness, traffic control, and safety measures and procedures have been reviewed, discussed, and implemented by the supervisor with all of the Contractor's and subcontractor's forces.

In the event that the Contractor does not immediately respond to the Engineer's request for corrective action, and the situation presents a hazard to persons and/or property, the Engineer may cause the work to be corrected by others. Likewise, in the event that the Contractor is not on site, cannot immediately respond, or is otherwise unavailable, the Engineer may cause the work to be corrected by others. If corrective work is performed by others, then the Contractor may be charged for all of the costs, including overhead and indirect costs, required to correct the work. Inspector's costs shall be per Article 4.06 INSPECTION. Engineer's costs shall be 1.5 times the noted Inspector's rate. In addition, the Engineer may impose additional penalties as provided for elsewhere in these specifications.

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 4.14 REMOVAL OF PERSONNEL: The Engineer reserves the right to direct the Contractor to remove any specified personnel from the project at any time for being unprofessional, inept, incompetent, or any other reasonable cause. if directed, the Contractor shall immediately remove such personnel from the project site, and replace such with another competent

person. This requirement shall apply to subcontractor personnel as if they were the Contractor's personnel. Violation shall be subject to penalties as noted elsewhere in these specifications.

SECTION 5. CONTROL OF MATERIAL

ARTICLE 5.01 DRAWINGS AND INFORMATION REQUIRED OF CONTRACTOR: The Contractor shall before proceeding with the fabrication or erection of structures or appurtenances if called for under the contract and required in its erection thereof, furnish the Engineer with the information regarding same and shall submit to the Engineer for approval drawings, specifications, lists and graphs as required under these specifications. Said drawings, specifications, lists and graphs shall become the property of the CITY. In the event that the Engineer shall find that the drawings, specifications, lists and graphs as submitted by the Contractor, are in accordance with acceptable practice and meet the requirements of these specifications, the Engineer will return one (1) set of drawings and lists with his approval within 10 days after their receipt at the Engineer's office; otherwise, said drawings will be returned to the Contractor within the said 10 day period with a statement of the points wherein they have been found unsatisfactory, in which case, the Contractor at his own expense, shall proceed at once to revise said drawings and lists until they shall be found satisfactory by the Engineer and are approved by him. No fabrication shall be done prior to approval of drawings and lists. The Contractor shall have no claim for damages or extension of time on account of any delay due to revision of drawings as found necessary by the Engineer in order to fulfill the requirements of these specifications; but, regardless of such delays, the Contractor shall be liable to the CITY as provided in the specifications for any failure to complete the work as required by the terms of the contract. Revisions shown on shop drawings shall be considered as changes necessary to meet the requirements of specifications and shall not be taken as the basis of claims for extra work.

The approval of all drawings by the Engineer shall apply to general design only and shall in no way relieve the Contractor from responsibility for errors or omissions contained therein; nor shall said approval operate to waive or modify any provisions or requirement contained in these specifications.

ARTICLE 5.02 SAMPLES AND TESTS: All tests of materials furnished by the Contractor shall be made by a laboratory authorized by the Engineer to make the tests and work involved in the contract. The expense of such tests shall be included in the prices bid for the work.

Tests shall be made in accordance with commonly recognized standards of national organizations and such special methods and tests as are described in the Standard Specifications.

No material shall be used until it has been approved by the Engineer. Samples will be secured and tested whenever necessary to determine the quality of materials.

Whenever reference is made in these specifications to standard tests or requirements of the American Society for Testing Materials, the reference shall be construed to mean the standards that are in effect at the date of these specifications.

ARTICLE 5.03 STORAGE OF MATERIALS: Materials shall be so stored as to insure the preservation of their quality and fitness for the work. When considered necessary by the Engineer, they shall be placed on wooden platforms or other hard, clean surfaces and not on the ground. They shall be placed under cover when so directed. Stored materials shall be so located as to facilitate prompt inspection.

ARTICLE 5.04 SUBSTITUTION OF EQUIVALENTS:

Approval of equipment and materials offered as equivalents to those specified must be obtained in writing from the Agency prior to the opening of bids. Requests for consideration of equivalents must be submitted in writing, February 23, 2024 prior to bid opening, allowing sufficient time for complete consideration of all specifications, drawings, samples, references, tests, and other details to the full satisfaction of the Agency."

SECTION 6. LEGAL RELATIONS AND RESPONSIBILITIES

ARTICLE 6.01 LAWS TO BE OBSERVED AND DISPUTE RESOLUTION:

Subdivision 6.01.1 Laws and Regulations: The Contractor shall keep himself fully informed of all Federal and State laws, County and CITY ordinances and regulations which, in any manner, affect those engaged or employed on the work, the materials used in the work or the conduct of the work. If any discrepancy or inconsistency should be discovered in this contract or in the Plans or Specifications herein referred to, in relation to any such law, ordinance or regulation, the Contractor shall forthwith report the same in writing to the Engineer. The Contractor shall, at all times, observe and comply with and shall cause all his agents and employees to observe and comply with all such applicable laws, ordinances and regulations in effect or which may become effective before completion of this contract. He shall protect and indemnify the CITY and its officers and agents against any claim or liability arising from or based on the violations of any such laws, ordinances or regulations whether by himself or by his employees or his subcontractors or their employees.

Except as otherwise explicitly provided in these specifications, all permits and licenses necessary to the prosecution of the work shall be secured by the Contractor at his own expense and he shall pay all taxes properly assessed against his equipment or property used or required in connection with the work.

All state laws, all county and CITY ordinances and regulations now imposed by competent authority and relating to any materials required to be furnished under these specifications and work required to be done hereunder, shall be deemed to be and hereby are made controlling and part of these specifications.

Subdivision 6.01.2 General: The Contractor shall keep himself fully informed of all existing state and national laws and municipal ordinances and regulations which in any manner affect those engaged or employed in the work, or the materials used in the work or which in any way affect the conduct of the work and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same.

Subdivision 6.01.3 Eight-Hour Law: Eight (8) hours labor constitutes a legal day's work. The Contractor shall forfeit as a penalty twenty-five dollars ($25.00) for each workman employed in the execution of the contract by the Contractor or any subcontractor under him for each calendar day during which such workman is required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of the provisions of the Labor Code and in particular, Section 1810 to Section 1815 thereof inclusive except that work performed by employees of Contractors in excess of eight (8) hours per day and forty (40) hours during any one week, shall be compensated at not less than one and one-half (1 ½) times the basic rate of pay as provided in Section 1815.

Subdivision 6.01.4 Prevailing Rate of Per Diem Wages: Pursuant to the provisions of Section 1773 of the Labor Code of the State of California, the Director of Industrial Relations has ascertained the general prevailing rate of wages and employer payments for health and welfare, vacation, pension and similar purposes applicable to the work to be done.

The Contractor shall comply with Labor Code Section 1775. In accordance with said section, the Contractor shall forfeit as a penalty to the CITY fifty dollars ($50.00) for each calendar day, or portion thereof, for each workman paid less than the stipulated prevailing rates for such work or craft in which such workman is employed for any work done under the contract by him or by any subcontractor under him in violation of the provisions of the Labor Code and in particular Labor Code Sections 1770 to 1780, inclusive. In addition to said penalty and pursuant to said Section 1775, the difference between such stipulated prevailing wage rates and the amount paid to each workman for each calendar day or portion thereof for which each workman was paid less than the stipulated prevailing wage rate shall be paid to each workman by the Contractor.

Subdivision 6.01.5 Certified Payroll: Pursuant to Section 1776 of the Labor Code, the Contractor and/or subcontractors shall submit weekly to the CITY for each week in which any contract work is performed a certified copy of all payroll records. Should the Contractor fail to provide such payroll certificates, the CITY may withhold one thousand dollars ($1,000) for each weekly payroll certificate not received from payment due.

Subdivision 6.01.6 Governing Law, Venue, Dispute Resolution and Attorneys' Fees: This Agreement will be governed by and construed in accordance with laws of the State of California. Specifically, Government Code Section 9204 (A summary of which is set forth in Subdivision 6.01.7). If any disputed portion of the claim is not resolved with the procedure set forth in Subdivision 6.01.7 herein, prior to commencing suit in a court of competent jurisdiction, any unresolved portion of any controversy, dispute or claim arising out of the Agreement will first be submitted to an alternative dispute resolution process as set forth in Subdivision 6.01.8 herein. Any action at law or in equity brought by either of the parties hereto for the purpose of enforcing a right or rights provided for by this Agreement will be tried in a court of competent jurisdiction in the County of Orange, State of California. In the event either party hereto will bring suit to enforce any term of this Agreement or to recover any damages for and on account of the breach of any term or condition of this Agreement, it is mutually agreed that the prevailing party in such action will recover all costs thereof, including reasonable attorneys' fees, to be set by the court in such action.

Subdivision 6.01.7 Summary of Government Code Section 9204: A "claim" is a separate demand on the CITY by a Contractor on a public works project and sent by registered mail or certified mail with return receipt requested, for one or more of the following:

- A time extension, including relief from penalties for delay;
- Payment by the CITY of money damages under the terms of the contract;
- Payment of an amount that is disputed by the CITY.

Initial Review. The claim must be supported by appropriate documentation. The CITY has forty-five (45) calendar days within which to review the claim and provide the Contractor with a written statement identifying the disputed and undisputed portions of the claim. If the CITY does not issue a written statement, the claim is deemed rejected in its entirety. The CITY will pay any undisputed portion of the claim within sixty (60) calendar days of issuing the statement.

Meet & Confer. If the Contractor disputes the CITY's written response, or if the CITY does not issue one, the Contractor may request in writing an informal conference to meet and confer for possible settlement of the claim. The CITY will schedule the meet and confer conference within thirty (30) days of this request and provide a written statement identifying the remaining disputed and undisputed portions of the claim within ten (10) business days of the meet and confer. The CITY will pay the undisputed portion within sixty (60) calendar days of issuing this statement.

Mediation. With respect to any disputed portion remaining after the meet and confer, the CITY and Contractor must submit the matter to nonbinding mediation, agree to a mediator within ten (10) business days after issuing the written statement, and share mediation costs equally. If mediation is unsuccessful, then the terms of the public works agreement and applicable law will govern resolution of the dispute.

Miscellaneous Provisions. Amounts not paid by the CITY in a timely manner bear interest at 7% per annum. Subcontractors may submit claims via this procedure through the general contractor. The CITY and Contractor may waive the requirement to mediate, but cannot otherwise waive these claim procedures.

Subdivision 6.01.8 Alternative Dispute Resolution: In the event that there is any controversy, dispute or claim arising out of or relating to this Agreement, which have not been resolved pursuant to the process summarized in Subdivision 6.01.7 herein, the parties hereto will consult and negotiate with each other and, recognizing their mutual interest, attempt to reach a solution satisfactory to both parties. If they do not reach settlement within a period of sixty (60) calendar days, the matter will be submitted to nonbinding arbitration ("Process") by written notice from either party to the other. The parties will meet and confer in good faith and select an arbitrator that is agreeable to both sides. The Process will be completed no later than one hundred twenty (120) calendar days ("Process Period") after tender of the aforementioned written notice, unless the Parties mutually agree to an extension of the Process Period. If the matter is not successfully resolved by the Process, within the Process Period, the parties are free to commence litigation in a court of competent jurisdiction as defined in Subdivision 6.01.6 herein. Any litigation commenced without both parties' consent prior to the end of the Process Period, will be subject to

a stay until the end of the Process Period. The Parties further agree to equally bear the cost of the Process.

ARTICLE 6.02 PERMITS AND LICENSES: The Contractor shall procure all permits and licenses, pay all charges and fees, and give all notice necessary and incident to the due and lawful prosecution of the work except for an Encroachment Permit and Building Department issued by the CITY for a Public Works Project. The Contractor and his subcontractors shall obtain a CITY Business License.

Full compensation for conforming to the requirements in this article shall be considered as included in the price bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 6.03 PATENTS: The Contractor shall assume all costs arising from use of patented materials, equipment, devices or processes used on or incorporated in the work and agrees to indemnify and save harmless the CITY, the CITY COUNCIL, the City Engineer and their fully authorized representatives from all suits of law or actions of every nature for, or on account of, the use of any patented materials, equipment, devices or processes.

ARTICLE 6.04 PRESERVATION OF PROPERTY: The Contractor shall conduct the operations in a careful and prudent manner to avoid damage to adjacent property.

The Contractor shall preserve and protect all on-site and roadside trees from injury. All trees useful for shade or other purposes shall be cared for by the Contractor and no trees within the limits of project site shall be cut or removed unless indicated on the plans.

All fences along the line of the improvement shall be protected by the Contractor; if they are injured or destroyed they shall be restored to a condition as good as when he entered upon the work. It is required that the Contractor replace in kind or reimburse the owners thereof for all fences, shrubs, buildings and other improvements damaged or removed by the construction operations not shown on the plans.

The Contractor shall preserve and protect from damage to all buildings, pole lines, pipe lines and all direction, warning and mileage signs and any other structures which have been placed within the limits of the project site.

Full compensation for conforming to the requirements in this article shall be considered as included in the price bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 6.05 PRESERVATION OF MONUMENTS: The Contractor shall not disturb any monuments, stakes or sign posts found on the line of the improvement until authorized by the Engineer. The Contractor shall bear the expense of resetting any monument, stakes or sign posts which may be disturbed without authorization from the Engineer. After construction and prior to final acceptance, the Contractor's land surveyor or qualified Civil Engineer shall re-survey all field monuments and centerline ties within the construction zone, prepare tie sheets and Corner Record

sheets, and file them with the City Engineer for review. After review by the City Engineer, the land surveyor shall file the Corner Records with the Orange County Land Surveyors Office as required by law, and file certified copies of the Corner Records with the City Engineer. Project retention will not be released until all records are recorded with the County Land Surveyor Office.

ARTICLE 6.06 RESPONSIBILITY FOR DAMAGE: During the progress of the work, the CITY will not be answerable or accountable, in any manner, for any loss or damage that may happen to the work or any part thereof; or for injury to any person or persons, either workmen or the public, or for damage to adjoining property from any cause which might have been prevented by the Contractor or his workmen or any one employed by him, against all of which injuries or damages to persons and property the Contractor having control over such work must properly guard. The Contractor shall be responsible for any damage to any person or property resulting from defects or obstructions or from any causes whatsoever during the progress of the work, or at any time before its completion and final acceptance and shall indemnify and save harmless the CITY and/or its officers and/or its employees from all suits or actions of every name and description brought for or on account of any injuries or damages received or sustained by any person or persons by or from the Contractor, his servants or agents in the construction of the work or by or in consequence of any negligence in guarding the same in improper materials used in its construction or by or on account of any act or omission of the Contractor or his agents.

ARTICLE 6.07 COOPERATION BETWEEN CONTRACTORS: Where two or more contractors are employed on related or adjacent work, each shall conduct his operations in such a manner as not to cause any unnecessary delay or hindrance to the other. Each contractor shall be responsible to the other for all damage to work, person or property or for loss caused by failure to finish the work within the time specified for completion.

ARTICLE 6.08 CONTRACTOR'S RESPONSIBILITY FOR WORK: Except as provided above, until the formal acceptance of the work by the CITY COUNCIL, the Contractor shall have the charge and care thereof and shall bear the risk of injury or damage to any part thereof by the action of the elements or from any other cause whether arising from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore and make good all injuries or damages to any portion of the work occasioned by any of the above causes before its completion and acceptance and shall bear the expense thereof except for such injuries or damages as occasioned by acts of the Federal Government and the public enemy. In case of suspension of work from any cause whatever, the Contractor shall be responsible for all materials and shall properly store them, if necessary, and shall provide suitable drainage of the project site and erect temporary structures where necessary.

ARTICLE 6.09 NO PERSONAL LIABILITY: Before the contract is executed on behalf of the CITY, a bidder to whom the contract has been awarded shall furnish to the CITY a policy or certificate of protective liability insurance in which the CITY shall be named as an additional insured with the bidder. The policy shall insure the CITY, his officers, and his employees; the bidder, his employees and his subcontractors and their employees, their heirs, agents and employees; while acting within the scope of their duties against all claims arising out of or in connection with the work to be performed and shall remain in full force and effect until the work is accepted by the CITY. The policy shall provide for the following limits:

Minimum Scope of Insurance.

A. Workers Compensation & Employers Liability Insurance

- Workers Compensation insurance with statutory limits as required by the Labor Code of the State of California.
- Employers Liability with limits of $1,000,000 per Accident; $1,000,000 Disease per employee; $1,000,000 Disease per policy.
- The policy shall include a written waiver of the insurer's right to subrogate against CITY.
- Required Evidence Of Coverage:
    1. Subrogation waiver endorsement; and
    2. Properly completed Certificate of Insurance.

B. General Liability Insurance

- Minimum Limits: $2,000,000 per Occurrence; $4,000,000 General Aggregate; $4,000,000 Products/Completed Operations Aggregate. The General Aggregate shall apply separately to each project. The required limits may be provided by a combination of General Liability Insurance and Commercial Excess or Umbrella Liability Insurance. If contractor maintains higher limits than the specified minimum limits, CITY requires and shall be entitled to coverage for the higher limits maintained by contractor.

C. Automobile Liability Insurance

- Minimum Limit: $1,000,000 combined single limit per accident.
- Coverage shall apply to all owned, hired and non-owned vehicles.
- CITY shall qualify as an insured.
- Required Evidence of Coverage:
    1. Copy of the endorsement or policy language indicating that CITY is an insured; and
    2. Properly completed Certificate of Insurance.

All insurance issued in compliance with this section shall be insured in the form and by the insurer or insurers satisfactory to and first approved by the CITY in writing. The Contractor shall not allow any subcontractor to commence work on his subcontract until the subcontractor has secured all required bonds and insurance.

ARTICLE 6.10 WORKER'S COMPENSATION INSURANCE: The Contractor shall procure and maintain Worker's Compensation Insurance as required by applicable state or territorial law for all of his employees to be engaged in work at the site of the project under this Contract. In case of any such work sublet, the Contractor shall require the subcontractor similarly to provide Worker's Compensation Insurance for all of the latter's employees to be engaged in such work unless such employees are covered by the protection afforded by the Contractor's Worker's Compensation Insurance. In case any class of employees engaged in hazardous work on the project

under this Contract is not protected under the Worker's Compensation Statute, the Contractor shall provide and shall cause each subcontractor to provide adequate employer's liability insurance for the protection of such of his employees as are not otherwise protected.

The Contractor and/or subcontractor shall file a copy of their Certificate of Compensation Insurance with the CITY and no work shall begin until such certificate is filed with the CITY. In the event of cancellation, the insurance company shall give the CITY ten (10) days written notice.

ARTICLE 6.11 SUBCONTRACTING: Attention is directed to the provisions in Section 1-6.2, "Subcontractor Listing", of the Standard Specifications and these Special Provisions.

In accordance with the requirements of Sections 4100 to 4133 inclusive of the Public Contract Code, each bidder shall list in his Proposal the name and business address of each subcontractor to whom the bidder proposes to subcontract all or a portion of work and shall list each subcontractor licensed by the State of California proposed by the bidder to specially fabricate and install all or a portion of the work. Said list shall include a description of the portion of the work which will be done by each subcontractor.

A sheet for listing the subcontractors as required is included in the proposal. The successful responsible bidder shall submit a letter to the CITY requesting approval of all subcontractors. Included in the letter shall be a list of the names and addresses of each Contractor, items to be subcontracted by item number, brief description of the item, and contract bid value. If only a portion of the item is to be subcontracted, that portion and dollar value of work, based on contract item bid value, shall be indicated.

No subcontractor shall be permitted to perform any work under the contract without having first been approved, in writing, by the CITY.

ARTICLE 6.12 TRESPASS: The Contractor shall be responsible for all damage or injury which may be caused on any property by trespass of the Contractor's employees in the course of their employment whether the said trespass was committed with or without the consent or knowledge of the Contractor.

ARTICLE 6.13 SAFETY, SANITARY AND MEDICAL REQUIREMENTS: The Contractor, his employees, his subcontractors and their employees shall promptly and fully carry out the existing safety, sanitary and medical requirements as may from time to time be prescribed by the Industrial Safety Commission and by County or State Health Departments to the end that proper work shall be done and the safety and health of the employees and of the community may be conserved and safeguarded. In case any such regulations and orders are not observed by the Contractor, they may be enforced by the Engineer at the Contractor's expense.

ARTICLE 6.14 WATER AND POWER: Unless otherwise provided in the Special Provisions, the Contractor shall provide, at his own expense, all necessary power required for his operations under the contract. The contractor shall be responsible for pulling the necessary no fee City permit, request for a temporary water meter and pay refundable temporary water meter security deposit The water used will be at no cost to the Contractor.

ARTICLE 6.15 PROTECTION OF UNDERGROUND FACILITIES: Attention is directed to the possible existence of underground facilities not known to the CITY or in a location different from that which is indicated on the plans or in these Special Provisions. The Contractor shall take steps to ascertain the exact location of all underground facilities prior to doing work that may damage such facilities or interfere with their service. If the Contractor discovers underground facilities not indicated on the Plans or in these Special Provisions, he shall immediately give the Engineer written notification of the existence of such facilities. Such facilities shall be protected from damage as directed by the Engineer.

ARTICLE 6.16 AIR POLLUTION CONTROL: Section 3-12.2, "Air Pollution Control", of the Standard Specifications is supplemented by the following:

The Contractor shall comply with all air pollution control rules, regulations, ordinances and statutes which apply to any work performed pursuant to the contract including any air pollution control rules, regulations, ordinances and statutes specified in Section 11017 of the Government Code.

In the absence of any applicable air pollution control rules, regulations, ordinances or statutes governing solvents, all solvents, including but not limited to the solvent portions of paints, thinners, curing compounds, and liquid asphalt used on the project shall comply with the applicable material requirements of the County Air Pollution Control District. All containers of paint, thinner, curing compound or liquid asphalt shall be labeled to indicate that the contents fully comply with said requirements.

Full compensation for conforming to the requirements in this article shall be considered as included in the price bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 6.17 PROJECT APPEARANCE: The Contractor shall maintain a neat appearance to the work. In any area visible to the public, the following shall apply:

When practicable, broken concrete and debris developed shall be disposed of concurrently with its removal. If stockpiling is necessary the material shall be removed or disposed of on the next working day, except that stockpiles shall not be left in the public right of way on weekends or holidays.

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 6.18 FAIR EMPLOYMENT PRACTICE COMMISSION CERTIFICATION: The Contractor's attention is directed to the requirements in Section 12990 of the Government Code for nondiscrimination and compliance employment programs.

ARTICLE 6.19 SOUND CONTROL REQUIREMENTS: The Contractor shall comply with all local sound control and noise level rules, regulations and ordinances which apply to any work performed pursuant to the Contract.

Each internal combustion engine used for any purpose on the job or related to the job shall be equipped with a muffler of a type recommended by the manufacturer. No internal combustion engine shall be operated on the project without said muffler.

The noise level from the Contractor's operations between the hours of 7:00 a.m. and 4:00 p.m. shall not exceed 86 DBA at a distance of 50 feet. This requirement in no way relieves the Contractor from responsibility for complying with local ordinances regulating noise level.

Said noise level requirement shall apply to all equipment on the job or related to the job including, but not limited to, trucks, transit mixers or transient equipment that may or may not be owned by the Contractor. The use of loud sound signals shall be avoided in favor of light warnings except those required by safety laws for the protection of personnel.

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 6.20 LEGAL RELATIONS AND RESPONSIBILITY: The Contractor's attention is directed to the provisions of Section 5, "Legal Relations and Responsibilities", of the Standard Specifications and these Special Provisions for the requirements and conditions which he must observe in the execution of the work.

SECTION 7. PROSECUTION AND PROGRESS

ARTICLE 7.01 PROSECUTION AND PROGRESS: The Contractor's attention is directed to Section 6, "Prosecution and Progress of the Work", of the Standard Specifications.

ARTICLE 7.02 TIME LIMIT: The work specified herein and shown on the Plans and Specifications shall be completed within **One Hundred and Twenty (120) working days** from the start date specified in the Notice to Proceed. Attention is directed to Section 3-13 and 6-9 of the Standard Specifications for Public Works Construction Editions 2021 (The "Greenbook"), "Completion, Acceptance, and Warranty"; and "Liquidated Damages". The CITY shall withhold liquidated damages before the accrual date if the anticipated liquidated damages may exceed the value of the remaining work.

If the total amount of working days have expired and the work is not complete, liquidated damages are One thousand dollars (**$1,000.00**) per calendar day.

SECTION 8. PAYMENTS

Within fifteen (15) workdays after the date of acceptance of the work City Council will cause to be filed on behalf of the CITY in the Office of the County Recorder a Notice of Completion of the work herein agreed to be done by the Contractor.

Upon expiration of thirty- five (35) days after the filing of such Notice of Completion of the work, the CITY will pay to the Contractor the amount remaining after deduction from the amount of value stated in the above-mentioned estimate all prior payments to the contract and all amounts to be kept and retained under the provisions of the Contract.

If the Contractor disagrees with the Engineer's final estimate and within said period of forty-five (45) days files a written statement of his claims, the Engineer will issue as a semi-final estimate the proposed estimate submitted to the Contractor and the CITY will within thirty (30) days pay the sum found due thereon after deducting from the amount of value stated in the first mentioned estimate all prior payments to the Contractor and all amounts to be kept and retained under the provisions of the contract. The Engineer will then consider and investigate the Contractor's claim and will make such revision in the said estimate as he may find to be due and will then certify in writing to the City Clerk the whole amount and value of the work done by the Contractor under and according to the terms of the contract. The CITY will pay the amount so found due after deducting all previous payments, amounts to be retained under the contract, and amounts which may be retained in accordance with the applicable specifications.

ARTICLE 8.01 PARTIAL PAYMENTS: At the request of the Contractor, partial payments will be made on a monthly basis. The Progress Pay requests shall be submitted on or before the 20th day of each month. The estimate may include only work completed up to and including this date.

Progress pay requests showing work not accomplished by the 20th day of the month shall be rejected.

ARTICLE 8.02 PAY RETENTION: From each progress estimate **five percent (5%)** will be deducted and retained in accordance with Section 7-3.2 of the Standard Specifications.

ARTICLE 8.03 FINAL ESTIMATE AND PAYMENT: Whenever in the opinion of the Engineer the Contractor shall have completely performed the contract on his part the Contractor shall submit to the Engineer a written statement to the final quantities of contract items for inclusion in the final estimate.

All prior estimates upon which partial payments have been made shall be subject to correction in the final estimate. The final estimate and payments made thereunder shall be final and conclusive upon the Contractor.

ARTICLE 8.04 TAXES: No mention shall be made of sales tax or use tax, as all bid prices submitted shall be considered as including such tax.

SECTION 9. WORK SCHEDULES

ARTICLE 9.01 WORK SCHEDULE: Before the commencement of work, the Contractor shall submit a work schedule prepared using the latest version of Microsoft Project or approved equal to the Engineer for approval. The work schedule shall be submitted at least five (5) days prior to commencement of work or at the Pre-Construction Meeting, and shall be kept current through the progress of the work. The work shall be performed in order of their priorities and as directed by the Engineer.

The Contractor shall schedule his work so that all excavated locations shall be poured concrete no later than Friday. The Contractor shall not excavate any location that he is not sure that he is able to pour on Friday. No excavated location is allowed over weekends and / or holidays.

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

SECTION 10. CITY REQUIREMENTS

ARTICLE 10.01 FAIR EMPLOYMENT PRACTICES: In connection with the performance of work under this Contract, the Contractor agrees as follows:

1. The Contractor will not willfully discriminate against any employee or applicant for employment because of race, sex, color, religion, age, handicap status, or national origin. The Contractor will take affirmative action to ensure that the applicants are employed, and that employees are treated during employment, without regard to their race, sex, color, religion, age, handicap status, or national origin. Such action shall include, but not be limited to, the following: employment upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by awarding authority setting forth the provisions of this fair Employment Practices section.

2. The Contractor will send to each labor union or representative of workers with which he has collective bargaining agreement or other contract or understanding, a notice advising the said labor union workers' representative of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applications for employment.

3. The Contractor will permit access to his records of employment, employment advertisements, application forms, and other pertinent data and records the Fair Employment Practices Commission, the CITY or any other appropriate agency designated by the CITY for the purposes of investigation to ascertain compliance with the Fair Employment Practices section of this Contract.

4. The finding of willful violation of the Fair Employment practices section of this Contract or of the Fair Employment Practices Act shall be regarded by the CITY as a basis for determining the Contractor to be not a "responsible bidder" as to future contracts for which such Contractor may submit bids.

   The CITY shall deem a finding of willful violation of the Fair Employment Practices Act to have occurred upon receipt of written notice from the Fair Employment Practices Commission that it has investigated and determined that the Contractor has violated the Fair Employment Practices Act and has issued an order under Government Code Section 12970 or obtained an injunction under the Government Code Section 12973.

   Upon receipt of such written notice from the Fair Employment Practices Commission, the CITY shall notify the Contractor that unless he demonstrates to the satisfaction of the awarding authority within a stated period that the violation has been corrected, his prequalification rating will be revoked at the expiration of such period.

5. The Contractor agrees, that should the CITY determine that the Contractor has not complied with the Fair Employment Practices section of this Contract, then pursuant to Labor Code Section 1735 and 1755, the Contractor shall, as a penalty to the Agency, forfeit for each calendar day, or portions thereof, for each person who was denied employment as a result of such non-compliance, the penalties provided in the Labor Code for violation of prevailing wage rates. Such monies may be recovered from the Contractor. The Agency may deduct any such damages from any monies due to the Contractor from the Contract.

6. a. Nothing contained in this Fair Employment Practices section shall be construed in any manner or fashion so as to prevent the CITY from pursuing any other remedies that may be available by law.

   b. Nothing contained in this Fair Employment Practices section shall be construed in any manner or fashion so as to require or permit the hiring of an employee not permitted by the National Labor Relations Act.

7. Prior to award of the Contract, the Contractor shall certify to the awarding authority that he has or will meet the following standards for affirmative compliance which shall be evaluated in each case by the CITY.

   a. The Contractor shall provide evidence, as required by the CITY, that he has notified all supervisors, foremen and other personnel officers in writing of the content of the anti-discrimination clause and their responsibilities under it.

   b. The Contractor shall provide evidence, as required by the CITY, that he has notified all sources of employee referrals (including unions, employment agencies, advertisements, Department of Employment) of the content of the anti-discrimination clause.

c. Personally, or through his representatives, the Contractor shall, through negotiations with the unions with whom he has agreements, attempt to develop an agreement which will:

(1) Spell out responsibilities for non-discrimination in hiring, referral, upgrading and training.

(2) Otherwise implement an affirmative anti-discrimination program in terms of the union's specific areas of skill and geography, to the end that qualified minority workers will be available and given an equal opportunity for employment.

d. The Contractor shall notify the CITY of opposition to the anti-discrimination clause by individuals, firms or organizations during the period of its prequalification.

8. The Contractor will include the provisions of the foregoing paragraphs 1 through 7 in every first tier subcontract so that such provisions will be binding upon each such subcontractor.

9. The Contractor, in executing the proposal, thereby certifies that he has or will meet the standards for affirmative compliance with the Fair Employment Practices requirements contained herein.

10. The Contractor shall comply with the procedures and conditions set forth in Section XII of the City of La Habra Affirmative Action Plan as adopted by Resolution 2404 of the City of La Habra January 21, 1975, a portion of which reads as follows:

"It shall be the policy of the City of La Habra to require all contractors and vendors doing business with the CITY in an amount in excess of $50,000.00 and/or 200 employees to certify their compliance with Title VII of the civil Rights Act and the Equal Employment Opportunity Act of 1972. Said certification shall be stipulated by the CITY to safeguard against discrimination by contractors or vendors on the basis of race, color, creed, sex, age, or nationality concerning the practices of recruitment, promotion, demotion, transfer, layoff, or termination. A violation of this non-discrimination certification will be considered a material provision violation and shall be grounds for termination or suspension, in whole or in part, of the contract by the CITY".

SECTION 11. CONSTRUCTION DETAILS

ARTICLE 11.01 GENERAL:

Subdivision 11.01.1 Description of Work: The general items of work to be performed hereunder shall be in various locations throughout the CITY, comprises the furnishing of all materials, equipment, tools, labor and incidentals and shall consist of, but not be limited to:

mobilization; preparation and implementation of best management practices; traffic control; excavation; construction of sidewalk, installation of a shade structure, installation of light poles,

electric work and installation of park amenities including children's playground, work-out equipment, landscaping and irrigation, tree planting, and all associated work as identified on the construction plans and specification.

Subdivision 11.01.2 Order of Work: Order of work shall conform to the provisions of Section 6-1, "Construction Schedule and Commencement of the Work," of the Standard Specifications for Public Works Construction (The "Greenbook") and these Special Provisions.

The first order of work shall be for the Contractor to pay the necessary fees to obtain a Building Permit including but not limited to preparing wet-stamped engineering drawings, site plans and structural calculations as deem necessary by the Building Division. The Contractor shall submit a Building Permit application within five (5) working days after the Notice to Proceed is issued.

The second order of work shall be the ordering of all materials requiring long lead-times referring to the amount of time that elapses between placing an order for an item and its delivery to the project site and consistent with the requirements of Section 5 of these Special Provisions. The Contractor shall order all long lead-time supplies, materials, and equipment, within five (5) working days after the obtaining the Building Permit.

The third order of work, the contractor shall submit to the City for acceptance a Water Pollution Control Plan before any work commences.

The forth order of work shall be to install the necessary improvements and restore any damaged improvements to their original condition or better.

The Contractor shall determine the sequence of work necessary to diligently pursue completion of the work, in accordance with the Special Provisions. Work shall be phased and constructed so that at the end of each work day, excavated trenches will be covered flush to grade by steel plates or pavement, opened to traffic, and parking restored. Open trenches adjacent to sidewalks shall be covered and protected for pedestrian traffic. No open parkway excavation will be allowed over weekends. Sidewalks shall be ramped or filled to grade during the week. The contractor shall be required to secure and render safe the entire construction area at the end of each workday.

Subdivision 11.01.3 Public Convenience and Access: The Contractor shall conduct his operations so as to cause minimum obstruction and inconvenience to the public.

At least ten (10) days prior to commencing work, the Contractor shall submit to the Engineer his construction schedule for approval in accordance with Section 9. This schedule shall allow businesses and residents on the affected streets to park within a reasonable distance from their business or home. The Contractor shall distribute to each resident or business affected by the construction a door Hanger at least 5 days prior to commencing construction. The notice shall

include the date and working hours of construction. It shall be the Contractor's responsibility to complete the notification letter with the proper dates at the time of notification. If the Contractor fails to meet the schedule indicated in the Notice, the Contractor shall reschedule his work and re-notify the residents.

Continuous emergency and local traffic access shall be maintained in the area of work and vehicular access to individual driveways shall be provided and maintained except for short durations of not more than two hours and with prior notice to the adjacent residents involved. No overnight closure of driveways will be allowed except while construction is in progress and concrete is curing. The Contractor shall provide alternate ramps for access while concrete is curing, where feasible.

Should the Contractor appear to be neglectful or negligent in furnishing warning and protective measures, the Engineer may direct the Contractor's attention to the existence of such hazards. The Contractor shall provide all necessary warning and protective measures immediately, at his expense. Whether the Engineer points out the inadequacy of warning and protective measures or not, such action, or lack of action, on the part of the Engineer shall not relieve the Contractor from the responsibility for public safety or abrogate his obligation to furnish and pay for safety measures and devices. If attention is directed to the existence of a hazard, and the Contractor fails to provide an appropriate remedy, any expense incurred by the CITY for furnishing or maintaining safety measures and devices may be deducted from the pay estimates and the total contract price for the work.

The Contractor shall maintain access for residents at all times during the construction and at the end of each work day as specified above. The travel lanes shall be graded smooth and shall be maintained in a smooth condition throughout the period of construction including weekends, and at times as directed by the Engineer.

The Contractor shall be responsible for maintaining location of, and access to, all utilities and underground facilities during construction operations, including but not limited to valves and monitoring wells.

Subdivision 11.01.4 Public Notice: The Contractor shall notify businesses and residents affected by the construction a written notice at least 5 days prior to commencing construction and a follow up with door hanger notice 48 hours prior to commencing. The notice and door hanger shall include but not be limited to:

1. Time and Date of Commencement.
2. Working Hours of Construction.
3. Date of Completion.
4. Name & Telephone Number of Person to be Contacted, at any hour, in the event of a condition requiring immediate correction.

A copy of the letter and door hanger shall be submitted to the City Engineer for approval prior to distribution.

The Contractor shall also notify La Habra Police Department, Los Angeles County Fire Department, Trash Hauler, Post Office, Ambulance Service, La Habra City School District, and Orange County Transportation Authority about the construction. It shall be the Contractor's responsibility to complete the notification letter, with the proper dates, at the time of notification. If the Contractor fails to meet the schedule indicated in the Notice, the Contractor shall reschedule his work and re-notify all those listed above.

Subdivision 11.01.5 Hours of Work: All work shall be performed between 7:30 A.M. and 4:00 P.M., Mondays through Fridays except holidays. No work shall be performed outside normal working hours without advanced authorization from the Engineer. If work is adjacent to a school or on a major arterial, working hours will be restricted to **9:00 A.M. and 3:00 P.M.** for lane closures, Mondays through Fridays except holidays. For any inspection outside of regular working hours, the Contractor shall pay all costs for the inspector's time. Request for overtime inspection shall be made in writing to the Engineer.

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 11.02 FURNISH AND APPLY WATER: Should the Contractor require water for construction operations, such as for compaction and dust control, he may use water from any fire hydrant adjacent to the job site. Prior to using water, the Contractor shall obtain a temporary water meter permit and contact the Public Works Water Department to install a temporary water meter on the proposed fire hydrant. The contractor shall be responsible for pulling the necessary no fee City permit,request for a temporary water meter and pay refundable temporary water meter security deposit The water used will be at no cost to the Contractor. The Contractor shall notify Public Works Department twenty-four (24) hours in advance, stating the location of the hydrant and the hours when it will be used. The Contractor shall operate the fire hydrant with a hydrant wrench only. Should damage occur to the hydrant, the Contractor shall make repairs at his expense and/or further use of CITY Water may be prohibited. The meter will be used for monitoring water use only. The Contractor shall apply water for dust control as necessary and as directed by the Engineer.

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 11.03 DUST CONTROL: The Contractor shall at all times, including weekends, at his expense, control dust on the project. Should the Contractor fail to maintain adequate dust control, the CITY will maintain the site, and an amount equal to twice the actual cost shall be assessed to the Contractor.

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 11.04

ARTICLE 11.05 STORAGE OF MATERIALS: The Contractor shall at all times carefully and properly protect all materials of every description both before and after being used in the work and provide any enclosing or special protection from the weather as deemed necessary by the Engineer.

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 11.06 SOLID WASTE COLLECTION: If collection of solid waste shall occur during street construction, the Contractor shall assist the solid waste collection contractor in accessing containers for his collection of solid waste.

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 11.07 APPURTENANT WORK: All items in the proposal form are considered as complete in place including all incidental and appurtenant work and materials necessary for the satisfactory completion of the same.

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 11.08 STORAGE YARD: The Contractor shall at his expense provide a storage yard for his equipment, tools, and materials to be stored. Location of storage yard shall be approved by the Engineer. CITY streets are not to be used as a storage area/yard.

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 11.09 PUBLIC UTILITIES: It is the Contractor's responsibility to notify Underground Service Alert (USA) to locate facilities prior to beginning the work. In addition, the Contractor shall locate service laterals that may be affected by the work and take measures to protect all utilities and service laterals in the streets and parkways.

The Contractor shall determine for himself the exact location of all public and private utilities, facilities or substructures, which are not shown on the plans. In the event any utility, facility or substructure is disturbed or damaged, whether in its original or relocated position, the Contractor shall immediately cause repairs to be made to the satisfaction of the owner at no cost to the CITY.

The Contractor shall notify the utility companies at least forty-eight (48) hours prior to construction.

AT&T	YVETTE GAROFANO	(714) 618-9146
CALIFORNIA DOMESTIC WATER COMPANY	CHE VENEGAS	(562) 947-3811
CHEVRON USA	DAVE ZERLER	(310) 669-4014
CITY OF LA HABRA PARKS DEPT	DAVID VILLALBA	(562) 383-4170
CITY OF LA HABRA SEWER AND WATER DEPT	BRIAN JONES	(562) 383-4170
COMCAST CABLE COMPANY		(800) 501-5738
CRIMSON PIPELINE	APRIL HARVEY	(562) 285-4195
CR&R (WASTE HAULER)		(714) 372-8209
FRONTIER COMMUNICATIONS	ARIEL FATALA	(714) 375-6717
KINDER MORGAN	DON QUINN	(714) 560-4400
LA HABRA HEIGHTS WATER COMPANY		(562) 697-6769
METROPOLITAN WATER DISTRICT	ERIC STRATTEN	(951) 505-0456
MOBIL OIL	TERI SHINDE	(310) 212-1794
ORANGE COUNTY SANITATION DISTRICT	DANIEL LEE	(714) 593-7176
PLAINS ALL AMERICAN PIPELINE	JOE MATTEO	(562) 728-2368
SO CAL EDISON	JIMMY PARKIN	(714) 578-3434
SO CAL GAS	JASON MORTON	(213) 312-5735
SHELL PIPE COMPANY	BRIAN DAVISON	(310) 629-8848
SPECTRUM	PARKER YEE	(562) 677-0213
SUBURBAN WATER SYSTEMS	TOM MEDINA	(562) 755-5015
TORRANCE LOGISTICS COMPANY	TERI A. SHINDE	(310) 212-1794
UNOCAL	DAVE ZERLER	(213) 864-5663
WESCON C/O VINTAGE PRODUCTION	EMILIO RODRIGUEZ	(562) 665-9255
UNDERGROUND SERVICE ALERT		(800) 422-4133
LA HABRA POLICE DEPARTMENT		(562) 383-4300
LOS ANGELES COUNTY FIRE DEPARTMENT STATION 191		(562)691-4692
ORANGE COUNTY TRANSPORTATION AUTHORITY		(714) 636-7433

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 11.10 RESTORATION OF IMPROVEMENTS: The Contractor shall restore the construction site per the Greenbook (SSPWC) Section 7-9. All damage done to existing facilities

and improvements by the Contractor shall be repaired by him to the satisfaction of the Engineer. All paint marks shall be removed at the end of the project by using an approved blasting method.

Lawn areas disturbed by the construction area shall be graded smooth and level with the adjacent lawn. All dirt clumps greater than one inch in size shall be crumbled or removed and all stone or rock shall be removed. The disturbed area shall be replaced with sod of a variety similar to the adjacent lawn. Shrubs destroyed or removed shall be replaced in kind to the satisfaction of the adjacent property owner. Paved areas shall be restored in kind to the satisfaction of the adjacent property owner. All fences disturbed, damaged or removed shall be restored to the satisfaction of the Engineer. In areas of close quarters the Contractor shall excavate by hand. Facilities damaged by using power tools shall be replaced to the satisfaction of the adjacent property owner. Portland cement concrete sidewalks removed or damaged shall be saw-cut and removed to the nearest score mark and replaced in accordance with SSPWC Standard Plan. Any other improvements disturbed shall be restored to its original conditions and to the satisfaction of the adjacent property owner. Sprinklers and irrigation lines disturbed by the construction operations shall be restored to their original condition or better to the satisfaction of the adjacent property owner and/or Engineer.

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 11.11 WASTE MANAGEMENT: The Contractor shall comply with the requirements of AB939 and City of La Habra Construction and Demolition Ordinance, and submit a Waste Management Plan for the approval of the Engineer.

Full compensation for conforming to the requirements in this article shall be considered as included in the prices bid for the various contract items of work involved and no additional compensation will be allowed therefor.

ARTICLE 11.12 BID SCHEDULE: The quantities of materials shown in the bid schedule are for bid purposes only. The actual quantities used for construction and payment purposes shall be measured and determined by the CITY.

ARTICLE 11.13: PERMITTING AND INSPECTION: The Project Plans have been submitted to the Building Department, City of La Habra for review. A permit number will be assigned once fees are paid by the Contractor.

SECTION 12: BID ITEMS FOR WOMEN'S CLUB PARK, AT 200 W. GREENWOOD AVENUE, CITY PROJECT NO. 1-P-22 (BASE BID SCHEDULE):

BID ITEM No. 1 - ARTICLE 12.01: MOBILIZATION AND DEMOBILIZATION: Mobilization and Demonization shall include all labor, work, and materials necessary to mobilize and demobilize forces, equipment, and materials; obtain bonding, insurance, permits, licenses; and other work as necessary to prepare for the construction of the work. Compensation for Mobilization shall not exceed Five Percent (5%) of the total bid amount.

The Contractor shall distribute a written notification to each resident or business affected by the construction. The notification shall include the dates and a brief description of the work. Reference to Article 11.01, Subdivision 11.01.4 Public Notice on Notifications.

Mobilization also includes a construction project sign (4' x 6'), Refer to Appendix "F" for the construction project sign. The construction project sign shall be reviewed and approved by the City before installing the project sign.

Demobilization shall include but not be limited to the following principal items/events:

1. Removal of all construction equipment from the site.
2. Removal of all excess construction materials and debris from the site.
3. Final project site clean-up.
4. Restoring any damaged property and obtaining concurrence that the property owners/agencies are satisfied with the way their property was left at the completion of the project.
5. Submit acceptable "AS BUILT" red line drawings to the owner.
6. Attending final inspection walk-through with the Contractor, Project Manager, and Public Works Inspector.
7. Completion of all items on the final "Punch List".
8. Resolving any outstanding claims and agreeing with final pay quantities for project closeout.

Payment for BID ITEM No. 1, MOBILIZATION AND DEMOBILIZATION, shall be paid at the contract bid price per Lump Sum (LS), prorated, based on the percentage of work completed and no additional compensation will be allowed therefor.

BID ITEM No. 2 - ARTICLE 12.02: STORM WATER BEST MANAGEMENT PRACTICES (BMPs): Reference APPENDIX "B" Section 01 57 23, Temporary Storm Water Pollution Control, Technical Provisions as part of this bid. The Contractor shall comply with Section 3-12 "Work Site Maintenance" of the Standard Specifications for Public Works Construction. The Contractor shall not permit polluted water to enter a catch basin or drainage channel. Water pollution control work shall consist of constructing those facilities which may be shown on the Plans, specified elsewhere in these Special Provisions, required by the Standard Specifications, required by National Pollutant Discharge Elimination System (NPDES No. CAS000002) California General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities Order No. 2009-0009-DWQ, or ordered by the Engineer. Said work is intended to provide prevention, control and abatement of water pollution to streams, waterways and other bodies of water.

The Contractor shall develop and draft a Storm Water Pollution Prevention Plan (SWPPP) for the construction of this project and all required construction site monitoring and reporting. The Contractor's SWPPP shall incorporate Best Management Practices (BMP's) as recommended in the California Storm Water Best Management Practices Handbook – Construction, published by the California Storm Water Quality Association, and as required to eliminate both non-storm water pollution and storm water run-off related pollution resulting from the construction activities. The Contractor shall be responsible to provide QSP to monitor and prepare reports.

Other items shall include coordination with the City to obtain Construction General Permit, perform field monitoring, prepare rain even action plans, perform stormwater sampling and analysis, perform visual inspections and prepare reports, prepare notice of intent, notice of termination, and storm water annual reports.

In order to provide effective and continuous control of water pollution, it may be necessary for the Contractor to perform the contract work in small or multiple units on an out-of-phase schedule and with modified construction procedures. The Contractor shall provide temporary pollution control measures including, but not limited to, dikes, basins, ditches and the application of straw and seed which become necessary as a result of his operations. The Contractor shall coordinate water and pollution control work with all other work done on the contract.

Construction related activities, including but not limited to the elements of the SWPPP, shall be performed to eliminate both storm water and non-storm discharges to storm water control system, by Contractor and subcontractor(s). The Engineer will notify Contractor of any non-compliance with the foregoing stipulations and appropriate actions shall be taken promptly. Contractor shall also notify the Engineer of any condition which could lead to noncompliance with the permit requirements. Contractor shall not be responsible for storm water monitoring at the landfill.

Contractor shall not be entitled to any time extensions or compensation for any cost due to any action required as a result of Contractor's failure to comply with those provisions of the SWPPP within Contractor's control. Contractor shall be responsible for ensuring that Contractor's subcontractor(s) comply with the provisions of this Section. Contractor shall be liable for any action or fine imposed by the regulatory agencies on those incidents of noncompliance which are within Contractor's area of responsibility.

The Contractor shall exercise every reasonable precaution to protect channels, storm drains and bodies of water from pollution, including siltation arising from Contractor’s operations, or erosion siltation from completed areas. Pollution control work shall consist of implementing practices or constructing facilities in accordance with local, state, or federal regulations which may be required to provide for retention and control of pollutants.

Payment for BID ITEM No. 2**,** STORM WATER BEST MANAGEMENT PRACTICES (BMPs); STORM WATER POLLUTION PREVENTION PLAN (SWPPP) shall be paid at the contract bid price per Lump Sum (LS), prorated, based on the percentage of work completed and no additional compensation will be allowed therefor.

BID ITEM No. 3 - ARTICLE 12.03: CONSTRUCTION SURVEY, STAKING, AND MONUMENTATION: This bid item shall include all labor, tools, work, materials, and appurtenances necessary to survey the work to conform to plan lines and limits, provide grades for drainage, establish pavement grades, match to existing conditions, and otherwise lay out the work as necessary for construction. The Contractor shall review and set all reference points, grades and elevations to the satisfaction of the Engineer prior to construction operations.

Pavement grades shall be provided as necessary for PCC construction. Grades shall provide for adequate drainage, match to existing slopes, gutters and other improvements, and provide a smooth profile. Nominal pavement grades shall be 2% from the pavement centerline to edge of gutter. In locations where gutter elevations differ on each side of the street, the slope shall be adjusted to provide adequate drainage, but shall not be less than 1% or more than 4%, and shall be approved by the Engineer.

Prior to the start of construction, the Contractor's licensed Land Surveyor or registered Civil Engineer licensed to practice land surveying in the State of California shall, in conformance with California State Law AB 1414, locate all monuments (whether or not of record), benchmarks, and centerline ties within the construction zone, i.e., within one hundred feet of the construction activity. Additional ties to monuments shall be set when ties are missing (min. 4 ties per monument.) The Contractor's surveyor or qualified Civil Engineer shall prepare and submit for review to the Engineer separate tie sheets and Corner Record sheets (monuments not of record shall have only tie sheets prepared). Tie sheets and Corner Records shall conform to the County Standards and the County Engineers' Association of California's "Guide to the Preparation of Records of Survey and Corner Records" document as provided by the County of Orange Land Surveyor's Office. Upon review by the Engineer, the Land Surveyor shall file the Corner Records with the County of Orange Land Surveyor's Office as required by law, and file Certified Corner Records with the City Engineer.

After construction and prior to final acceptance by the CITY of the construction project, the Contractor's land surveyor or qualified Civil Engineer shall re-survey all field monuments and centerline ties within the construction zone, prepare tie sheets and Corner Record sheets as indicated above, and file them with the City Engineer for review. After review by the City Engineer, the land surveyor shall file the Corner Records with the County of Orange Land Surveyor's Office as required by law, and file certified copies of the Corner Records with the City Engineer.

The Contractor shall not disturb any monuments, stakes or sign posts found on the line of the improvement until authorized by the Engineer. The Contractor shall bear the expense of resetting any monument, stakes or sign posts which may be disturbed without authorization from the Engineer. All survey monuments removed or altered as a result of construction shall be reset, Corner Records filed with the County of Orange Land Surveyor's Office, and approved final Corner Records filed with the City Engineer. Centerline ties removed as a result of construction shall be reset and tie sheets filed with the City Engineer.

The Contractor is responsible to re-establish any survey monument that is disturbed, including monuments at the property line with no extra cost to the CITY to the satisfaction of the City Engineer.

The land surveyor shall provide a letter of certification for all monuments having four or more existing ties which are within 0.02 feet plus or minus of the original CITY tie sheet records. When several monuments or ties appear on one tie sheet and one of the ties has changed, the land surveyor shall re-measure all of the ties and re-file a new tie sheet with the CITY as required herein.

County of Orange permanent and temporary bench marks within the construction zone shall be located by survey, and the Contractor's Land Surveyor shall send a written notification of impending construction to the County of Orange Land Surveyor's Office two weeks prior to construction.

Lines and grades for the construction shall be the responsibility of the Contractor, with the following provisions:

All work under this contract shall be built in accordance with the lines and grades shown on the plans. Field survey for establishing these, and for the control of construction, shall be the responsibility of the Contractor. All such survey work including construction staking shall be done under the supervision of a California Licensed Land Surveyor or authorized Civil Engineer. Staking shall be done on all items ordinarily requiring grade and alignment, at intervals normally accepted by the agencies and trade involved.

The Contractor shall provide a copy of the office calculations and grade sheets to the Engineer. The Contractor shall be responsible for any errors in the finished work, and shall notify the Engineer, in writing, within twenty-four (24) hours, of any discrepancies, or design errors during the construction staking.

Contractor shall provide construction surveying for relocation of any conflicting utilities and provide a reasonable time window of opportunity to the utility owners to relocate their facilities after the survey is provided by the Contractor.

Payment for BID ITEM No. 3, CONSTRUCTION STAKING AND MONUMENT shall be paid at the contract bid price per Lump Sum (LS), prorated, based on the percentage of work completed and no additional compensation will be allowed therefor

BID ITEM No. 4 - ARTICLE 12.04: INSTALL A TEMPORARY CHAIN LINK FENCE WITH SCREEN FABRIC: This bid item shall include all labor, tools, materials, and appurtenances necessary to complete the installation of a temporary chain link fence with screen fabric. The Contractor shall install a temporary 6-foot high chain link fence conforming to Section 600-3, "Chain Link Fence" of the Standard Specifications with one (1) swing gate (one, ten-foot-wide gate panels) for vehicular access, including the installation of forest green vinyl screen attached to the inside of the fencing and the gate panels. The City will approve the fencing and screening prior to installation. The fence shall be installed prior to the commencement of work. The fence shall be secure with metal stakes posts and tied to the temporary fence.

After completion of the project, the chain link fence shall be removed that same day from the property.

Payment for BID ITEM No. 4, INSTALL A TEMPORARY CHAIN LINK FENCE WITH SCREEN FABRIC AND 10 FEET GATE. shall be paid at the contract bid price per Linear Foot (LF), and shall include all labor, tools, materials and appurtenances necessary to complete the work and no additional compensation will be allowed therefor.

BID ITEM No. 5 - ARTICLE 12.05: CLEARING AND GRUBBING: Reference APPENDIX "B" Section 31 10 00, Site Clearing, Technical Provisions as part of this bid. This bid item shall include This bid item shall include all labor, tools, materials, and appurtenances necessary to complete all labor, tools, work, materials, and appurtenances necessary to remove but not limited to existing lawn, soil, fence, driveway, plant, concrete, asphalt, soil, subgrade, demolition, and removal; roots, stumps, trees, bench, PCC, backflow, trash, gates, posts, signs, and irrigation system.

Payment for BID ITEM No. 5, CLEARING AND GRUBBING shall be paid at the contract bid price per Lump Sum (LS), prorated, based on the percentage of work completed and no additional compensation will be allowed therefor.

BID ITEM No. 6 - ARTICLE 12.06: EARTHWORK AND GRADDING: Reference APPENDIX "B" Section 31 20 00, Earth Moving, Technical Provisions as part of this bid. This bid item shall include all labor, tools, work, materials, and appurtenances necessary but not limited to export, and import of soil, complete rough and final grading of the project site in accordance with the Plans and Specifications to meet the finish grades.

Payment for BID ITEM No. 6, EARTHWORK AND GRADING shall be paid at the contract bid price per Lump Sum (LS), prorated, based on the percentage of work completed and no additional compensation will be allowed therefor.

BID ITEM No. 7 - ARTICLE 12.07: FURNISH & INSTALL PARK ENTRY: This bid item shall include all labor, tools, work, materials, and appurtenances necessary but not limited to construct park entry structures, sign, wood frame, excavation, compaction and foundation. The Contractor shall follow the direction per Plan and submit a Park Sign shop drawings to the City's review and approval.

Sign will be fabricated using materials designed for outdoor applications. Contractor shall submit 6"x 6" design tile shop drawings to the City's review and approval.

Payment for BID ITEM No. 7, FURNISH & INSTALL PARK ENTRY, SIGN, AND FOUNDATION shall be paid at the contract bid price per Lump Sum (LS), prorated, based on the percentage of work completed and no additional compensation will be allowed therefor.

BID ITEM No. 8 - ARTICLE 12.08: CIVIL CONSTRUCTION & HARDSCAPE: Reference APPENDIX "B" Section 32 13 13 and Section 32 13 73, Concrete Paving and Concrete Pavement Joint Sealants, Technical Provisions as part of this bid. This bid item shall provide all labor, tools, work, materials, and appurtenances necessary but not limited to construct PCC (walkways, pad), playground slab, mow strip, decorative pavers, concrete paving with natural pebbles, decomposed granite, aluminum edging, playground surfacing, subbase material, compaction, adjustment of utilities pull boxes and covers. Refer to plans for each of the hardscapes for installation, compaction, geotextile, sub-base, concrete borders, etc.

The PIP Rubber Surface will need to match the color of the rendering on sheet L1.6 in APPENDIX “A”. The City shall review and approve all material and color submissions before commencing the work.

The contractor shall submit technical specs from the manufacturer for each of the hardscapes. The hardscape shall be reviewed and approved by the City before installing the material.

Payment for BID ITEM No. 8 - CIVIL CONSTRUCTION & HARDSCAPE shall be paid at the contract bid price per Lump Sum (LS), prorated, based on the percentage of work completed and no additional compensation will be allowed therefor.

BID ITEM No. 9 - ARTICLE 12.09: SITE FURNISHINGS:
This bid item shall include shall provide all labor, tools, work, materials, and appurtenances necessary to procure and install: Poligon shelter, water fountain, drinking fountain sump, benches, picnic tables, raised planter, raised planter- A.D.A., seat wall, bike rack, trash receptacles, BBQ grill, hot coal receptacle, customized announcement sign, etc. The City shall review and approve all material and color submissions before commencing the work.

Contractor shall submit blueprints and technical specs from the manufacturer for each of the sites furnishes. Each of the site furnishings shall be reviewed and approved by the City before procuring and installing the material. All site furnishing shall be bolted down to the ground. foundation/footings shall be installed or applied in accordance with the manufacturer's instructions, directions, or specifications. The location of all site furnishes shall be approved by the Inspector prior to final installation.

Unless otherwise indicated or specified, all manufactured materials, products processes, equipment, or the like shall be installed or applied in accordance with the manufacturers' instructions, directions, or Specifications. Said installation or application shall be in accordance with printed instructions furnished by the manufacturer of the material or equipment concerned for use under conditions similar to those at the jobsite. Copies of such instructions shall be furnished to the Design Engineer and his acceptance thereof obtained before Work is begun.

Any deviation from the manufacturers' printed recommendations shall be explained and acknowledged as correct for the circumstances, in writing by the particular manufacturer. The Contractor will be held responsible for all installations not conforming to the manufacturers' recommendations. If any item of material or equipment is found to be installed not in accordance with the manufacturer's recommendations, the Contractor shall make all changes necessary to achieve such compliance.

If the ordering of all materials requiring long lead times refers to the amount of time that elapses between placing an order for an item and its delivery to the project site. The contractor shall notify the City Engineer, explaining the delay on the material or any other issue that might arise at least 3-days after ordering the materials.

The contractor shall be responsible for storing all of the material and equipment at a secure location. If equipment or material gets lost or stolen contractors will be required to replace those items at their own expense and replace it in kind or better.

Payment for BID ITEM No. 9 - SITE FURNISHINGS shall be paid at the contract bid price per Lump Sum (LS), prorated, based on the percentage of work completed and no additional compensation will be allowed therefor.

BID ITEM No. 10 - ARTICLE 12.10: FURNISH AND INSTALL PLAYGROUND AND EXERCISE EQUIPMENT: This bid item shall include all labor, tools, work, materials, and appurtenances necessary to procure and install playground and exercise equipment. Playground and exercise equipment features shall conform to the requirements of manufacture, and installation for the proposed playground and exercise equipment shall conform to the Standard Specifications set from the manufacturer and as shown on the plan.

The playground and exercise products shall be manufactured by Great Western Recreation or approved equal. The contractor shall submit blueprints, structural calculations, and technical specs from the manufacturer to the City for the playground and exercise equipment. Refer to sheet L1.6 in APPENDIX "A" for playground colors. The City shall review and approve all material and color submissions before commencing the work. Contractor shall provide the manufacturer warranty of the Product to Engineering Department.

PERMITS: The Contractor shall obtain the City Building Permits for playground and exercise equipment from the La Habra Building Department, providing the documents noted below and "clearances" from the Engineering. The Building permit is a no-fee permit.

1. Exhibit Site Plan, indicating all work
2. Blueprint of the playground and exercise equipment.
3. Structural Calculations
4. Completed Permit Application Form – Obtain Bldg. Permit from La Habra Building Dept.

If the ordering of all materials requiring long lead times refers to the amount of time that elapses between placing an order for an item and its delivery to the project site. The contractor shall notify the City Engineer, explaining the delay on the material or any other issue that might arise at least 3-days after ordering the materials.

The contractor shall be responsible for storing all of the material and equipment at a secure location. If equipment or material gets lost or stolen contractors will be required to replace those items at their own expense and replace it in kind or better.

Payment for BID ITEM No. 10, FURNISH AND INSTALL PLAYGROUND AND EXERCISE EQUIPMENT shall be paid at the contract bid price per Lump Sum (LS), prorated, based on the percentage of work completed and no additional compensation will be allowed therefor.

BID ITEM No. 11 - ARTICLE 12.11: FURNISH AND INSTALL THE SHADE STRUCTURES FOR THE PLAYGROUND AND EXERCISE EQUIPMENT: This bid shall provide all labor, tools, work, materials, and appurtenances necessary to procure and install the shade structure for the playground and exercise equipment. The fabric shade structure products shall be manufactured by Great Western Recreation or approved equally with a valid DSA-approved Pre-checked (PC) Structure. The shade structure shall be positioned to capture the most shade during the day. Fabric materials must be fire-retardant treated in accordance with the California code of Regulations (CCR) title 19, section 315(a) and fabric shall be rust-protected and water-resistant.

The final selection of the fabric and pole colors of the shade structure shall be approved by the City. Refer to sheet L1.6 in APPENDIX "A" for playground colors and refer to sheet L1.7 in APPENDIX "A" for equipment colors. Contractor shall provide the manufacturer warranty of the Product to Engineering Department.

PERMITS: The Contractor shall obtain the City Building Permits for playground and exercise shade structure from the La Habra Building Department, providing the documents noted below and "clearances" from the Engineering before installation commences. The Building permit is a no-fee permit.

1. Exhibit Site Plan, indicating all work
2. Blueprint of the playground and exercise equipment.
3. Structural Calculations
4. Completed Permit Application Form – Obtain Building Permit from La Habra Building Dept.

The ordering of all materials requiring long lead times refers to the amount of time that elapses between placing an order for an item and its delivery to the project site. The contractor shall notify the City Engineer, explaining the delay on the material or any other issue that might arise at least 3-days after ordering the materials.

The contractor shall be responsible for storing all of the material and equipment at a secure location. If equipment or material gets lost or stolen contractors will be required to replace those items at their own expense and replace it in kind or better.

Payment for BID ITEM No. 11, FURNISH AND INSTALL THE SHADE STRUCTURES FOR THE PLAYGROUND AND EXERCISE EQUIPMENT. shall be paid at the contract bid price per Lump Sum (LS), prorated, based on the percentage of work completed and no additional compensation will be allowed therefor.

BID ITEM No. 12 - ARTICLE 12.12: IRRIGATION & LANDSCAPING: Reference APPENDIX "B" Section 32 84 00 and Section 32 93 00, Landscape irrigation system and Landscaping, Technical Provisions as part of this bid. This bid item provide all labor, tools,

work, materials and appurtenances necessary to install backflow device, pressure regulator, gate valve, shrub riser, sprinklers, master valve, rotor on riser, flow sensor, quick coupler, control valve, irrigation valve box, stainless steel pedestal controller, root watering system, trenching, excavation, backfill, point of connection, complete adjustment, potable water connection for drinking fountain and operational irrigation system; Landscaping: shrubs, trees, plants, roses, groundcovers, vines, hydroseeding, excavation, soil preparation, grass, backfill, mulch, root barriers, staking, Drinking Fountain, a dedicated point of connection, valve, backflow device, pressure regulator, installation of drainage lines for drinking fountain as shown on the plans or otherwise directed by the City Engineer.

Payment for BID ITEM No. 12, IRRIGATION AND LANDSCAPING shall be paid at the contract bid price per Lump Sum (LS), prorated, based on the percentage of work completed and no additional compensation will be allowed therefor.

BID ITEM No. 13 - ARTICLE 12.13: ELECTRICAL (PARK LIGHTING): Reference APPENDIX "B" Section 260000, Electrical, Technical Provisions as part of this bid. This bid item includes furnishing of all labor, materials, tools, equipment, and incidentals, construction of trench, conduit, installation of utility lines, meter, and cabinet pedestal to provide power to the project site, installation of conduits, conductors, pull boxes, poles, electrical connections, hardware and bolts, light fixtures, excavation, pole foundations, backfill, pathway lights and poles, foundations, conduits/wires for monument sign lighting, testing, bonding and grounding, and all incidentals. Any submission needs to be approved by the City. The Contractor shall coordinate the work with the City and SCE (Southern California Edison),

Payment for BID ITEM No. 13**,** ELECTRICAL (PARK LIGHTING) shall be paid at the contract bid price per Lump Sum (LS), prorated, based on the percentage of work completed, and no additional compensation will be allowed therefor.

BID ITEM No. 14 - ARTICLE 12.14: REMOVE EXISTING AND CONSTRUCT PCC CURB RAMP: This bid item shall include all labor, materials, equipment, and work necessary to remove existing and construct new PCC curb ramp with detectable warning surface per Caltrans Revised Standard Plan RSP A88A, refer to Appendix "C" for location of the curb ramps unless otherwise noted, complete in place. The Contractor shall saw-cut and remove existing PCC sidewalk, curb access ramps, curbs, gutter, spandrel, subgrade, and other in-place materials as necessary and properly dispose of material, subgrade, and concrete for new construction; compact subgrade, and construct new PCC curb ramps with detectable warning surface where noted and as shown per detail drawings. New sidewalk shall match existing sidewalk finish and pattern as directed. Bid item shall include curb ramp related sidewalk, retaining curb, curb, gutter, curb drain and AC slot patch. Additionally, all related adjustments of pull boxes, pull box covers, protection or sign replacements within construction limits shall be considered as part of the ramp work and shall be included in the contract bid price. New sidewalk shall match existing sidewalk finish and pattern as directed. Bid item shall include curb ramp related sidewalk, retaining curb, curb, gutter, curb drain and 1' WIDE FULL DEPTH AC slot patch. Additionally, all related adjustments of pull boxes, pull box covers, protection or sign replacements within construction limits shall be

considered as part of the ramp work and shall be included in the contract bid price. Refer to APPENDIX “C” for Curb Ramps locations.

Limits of construction shall be verified, measured, and marked in the field by the Engineer or Inspector prior to removing existing improvements. The Contractor shall construct an asphalt concrete slot twelve inches wide with length that matches the length of the new curb and gutter. Adjustment of any existing pipe openings, removal of existing pavement and base/subgrade, and the installation of the AC slot patch shall be included in the contract bid price. For curb ramps that are joined to a spandrel, the Contractor shall sawcut a neat line 4” from the existing curb face. The contractor shall not have open excavation for more than four days, and the contractor shall form and pour concrete on the fourth day. The contractor shall provide signs and detours around the work zone to prevent pedestrians from walking into the work zone and keep the work zone clean from stockpiling, trash, and equipment.

Portland cement concrete material shall be Portland Cement Concrete of Type 520-C-2500.

Integral retaining curbs shall be constructed at the back of curb ramps and sidewalks as necessary to match existing landscape grades or to match existing grades at a wall. Integral curbs, curb and gutter, and sidewalk shall be constructed as shown on the plans.

Curb access ramps and sidewalks shall meet all ADA requirements, and shall not create impediments to access. Curb access ramps features, per standard plan, shall include:

ramps not exceeding 7.5% slope
flares not exceeding 9% slope
turning space of 4’-2” by 4’-2” minimum area and maximum cross slopes of 1.5%
bottom of ramps to be flush to gutters; The gutter width shall be 2’ and not exceed 5% counter slope
integral retaining curbs as necessary to match to existing landscape grades

Detectable warning surface shall conform to the standard plans and shall be precast tactile tiles by Armor-Tile or approved equal, 3’x4’ minimum, extending the full width of ramp. Edge of detectable warning tile is to be 6” to 8” from the flowline at the bottom of the ramp and parallel to adjacent to the street or tangent to the curb return. The color of the detectable warning surface shall be YELLOW unless otherwise specified.

The ramp shall have a 12” wide border with 1/4” grooves approximately 3/4” OC.

The Contractor shall submit to the Engineer for review the following items:

A. Product Data: Submit manufacturer's literature describing products, installation procedures and routine maintenance.
B. Samples: Submit two tile samples of the kind proposed for use (minimum size 6" by 8").
C. Materials Test Reports: Submit test reports from qualified independent testing laboratory indicating that materials proposed for used are following requirements

and meet the properties indicated. All test reports shall be conducted on a cast-in-place tactile tile system as certified by a qualified independent testing laboratory.
D. Maintenance Instructions: Submit copies of manufacturer's specified maintenance practices for each type of tactile tile and accessory as required.

The manufacturer shall provide a written five-year warranty for prefabricated detectable warning surfaces, guaranteeing replacement when there is defect in the dome shape, color fastness, sound-on-cane acoustic quality, resilience, or attachment. The warranty period shall begin upon acceptance of the project.

The Contractor shall replace and repair any irrigation system damaged by his operation in all locations. In some locations, there may be tree roots that need to be removed for proper construction of the improvements. In these cases, the Contractor, at his own expenses, shall cut, remove, and properly dispose the roots per Engineer instructions and per all applicable laws, rules and regulations. All work necessary to remove and properly dispose of all removed material shall be at no extra cost to the CITY.

No open excavations will be allowed over a weekend or holiday. The Contractor shall schedule work to accommodate this requirement. All concrete must be in place and forms removed prior to weekends and holidays.

The Curb Ramp limits shall be understood to be contained within a radial line from the BCR (beginning of curb return) to a radial line at ECR (end of curb return), or 5ft past the start of ramp transition and sidewalk join location to provide a sidewalk transition; whichever is greater.

The Contractor shall be responsible to remove and reconstruct curb access ramps at his own cost if the ramps are deemed non-compliant with project plans and specifications.

Payment for BID ITEM No. 14, REMOVE EXISTING AND CONSTRUCT PCC CURB RAMP shall be paid at the contract bid price per Each (EA), and shall include all labor, tools, materials, and appurtenances necessary to complete the work and no additional compensation will be allowed therefor.

BID ITEM 15 - ARTICLE 12.15: REMOVE EXISTING DRIVEWAY APPROACH: This bid item shall include all labor, tools, materials, and appurtenances necessary to remove the existing PCC driveway approaches, backfill parkway with clean dirt, grade and compact parkway to provide a 2% maximum slope, saw cut along the flowline, remove and reconstruct curb and gutter to match existing and maintain the line and grade of the flowline, including 1 Ft. wide full depth AC slot patch 8 in. in depth, and remove and reconstruct the sidewalk up to the curb.

.

Payment for BID ITEM 15 - REMOVE EXISTING DRIVEWAY APPROACH shall be paid at the contract bid price per Each (EA), and shall include all labor, tools, materials, and appurtenances necessary to complete the work and no additional compensation will be allowed therefor.

BID ITEM No. 16 - ARTICLE 12.16: REMOVE AND RECONSTRUCT SIDEWALK PER SSPWC: This bid item shall include all labor, tools, materials and appurtenances necessary to remove and reconstruct 4" thick PCC sidewalks, remove existing grass/dirt parkways, construct 5' x 5' tree wells, per SSPWC, Standard number 113-2, refer to appendix "D". The Contractor shall saw-cut, excavate and remove existing in-place materials as necessary for construction, compact sub-grade, place, and compact soil, construct new concrete sidewalk, cement in the existing parkway, and proper disposal of all materials. New sidewalk finish shall match the existing finish. Limits of construction shall be verified, measured and marked in the field by the Engineer prior to removing existing improvements. Contractor shall construct 5'x 5' tree well at each existing palm tree.
The Contractor shall replace and repair any irrigation system damaged by his operation in all locations. In some locations, there may be tree roots that need to be removed for proper construction of the improvements. In these cases, the Contractor, at his own expense, shall cut, remove, and properly dispose the roots per Engineer instructions and per all applicable laws, rules and regulations. All work necessary to remove and properly dispose of all removed material shall be at no extra cost to the CITY.The contractor shall clear and grub any vegetation, remove/abandone and cap existing irrigation, etc.

No open excavations will be allowed over a weekend or holiday. The Contractor shall schedule work to accommodate this requirement. All concrete must be in place and forms removed prior to weekends and holidays.

Payment for BID ITEM No. 16, REMOVE AND RECONSTRUCT SIDEWALK PER SSPWC shall be paid at the contract bid price per Square Foot (SF), and shall include all labor, tools, materials and appurtenances necessary to complete the work and no additional compensation will be allowed therefor.

BID ITEM No. 17 - ARTICLE 12.17: REMOVE AND RECONSTRUCT 6" CONCRETE CURB AND GUTTER PER SSPWC STANDARD PLAN, SHOW STD. No. 120-3 This bid item shall include all labor, materials, equipment, and work necessary to remove and reconstruct existing 6" PCCcurb and gutter per SSPWC standard plan Edition 2021, show STD. No. 120-3, detail A2-8(200), refer to appendix "D". The Contractor shall saw-cut; excavate and remove existing in-place materials as necessary and properly dispose of material, subgrade, and concrete for new construction; compact subgrade; and construct new 6" curb and gutter. New curb and gutter finish shall match existing type, curb height and finish and shall maintain water flow through the flowline. Limits of construction shall be verified, measured and marked in the field by the inspector prior to removing existing improvements. The Contractor shall construct an asphalt concrete slot twelve inches wide with length that matches the length of the new curb and gutter. Adjustment of any existing pipe openings, removal of existing pavement and base/subgrade, and the installation of the AC slot patch shall be included in the contract bid price. Portland cement concrete material shall be Portland Cement Concrete of Type 520-C-2500.

The Contractor shall replace and repair any irrigation system damaged by his operation in all locations. In some locations, there may be tree roots that need to be removed for proper construction of the improvements. In these cases, the Contractor, at his own expenses, shall cut, remove, and properly dispose the roots per Engineer instructions and per all applicable laws, rules and regulations. All work necessary to remove and properly dispose of all removed material shall be at no extra cost to the CITY.

No open excavations will be allowed over a weekend or holiday. The Contractor shall schedule work to accommodate this requirement. All concrete must be in place and forms removed prior to weekends and holidays.

Payment for BID ITEM No. 17, REMOVE AND RECONSTRUCT 6" CONCRETE CURB AND GUTTER PER SSPWC STANDARD PLAN shall be paid at the contract bid price per Linear Foot (LF), and shall include all labor, tools, materials and appurtenances necessary to complete the work and no additional compensation will be allowed therefor.

BID ITEM No. 18 - ARTICLE 12.18: PERFORM 90-CALENDAR DAY LANDSCAPE MAINTENANCE PERIOD: Reference APPENDIX "B" Section 32 01 90, Landscape Maintenance, Technical Provisions as part of this base bid. This bid item shall include all labor, tools, materials, and appurtenances necessary to complete all the site improvements indicated on the specifications and drawings.

Payment for BID ITEM No. 18, PERFORM 90-CALENDAR DAY LANDSCAPE MAINTENANCE PERIOD shall be paid at the contract bid price per Lump Sum (LS), prorated, based on the percentage of work completed and no additional compensation will be allowed therefor.

SECTION D

PROPOSAL

PROPOSAL

City of La Habra
Civic Center
110 E. La Habra Blvd.
La Habra, California 90631

Gentlemen:

The undersigned hereby proposes to perform all work for which a contract may be awarded to him/her and to furnish any and all plant, labor, services, materials, tools, equipment, supplies, transportation, utilities, and all other items and facilities necessary therefor as provided in the Contract Documents, and to do everything required therein for the project specifically set forth in documents entitled:

WOMEN'S CLUB PARK
AT 200 W. GREENWOOD AVENUE
City Project NO. 1-P-22

together with appurtenances thereto, all as set forth on the drawing and in the specifications and other Contract Documents; and, he further proposes and agrees that if this Proposal is accepted he will contract in the form and manner stipulated to perform all the work called for by drawings, specifications and other Contract Documents and to complete all such work in strict conformity therewith within the time limits set forth therein, and that he will accept as full payment therefor the prices set forth in the Bid Schedule forming a part hereof.

A *(Cashier's Check) *(Certified Check) *(Bid Bond) properly made payable to City of La Habra hereinafter designated as the Owner for the sum of _____ _____dollars ($_____), which amount is not less than ten percent (10%) of the total amount of this bid, is attached hereto and is given as a guarantee that the undersigned will execute the Agreement and furnish the required bonds if awarded the Contract; and, in case of failure to do so within the time provided the proceeds of said check shall be forfeited to the *Owner/Sureties Liability to the Owner for forfeiture of the face amount of the Bond shall be considered as established.

(*) Delete inapplicable word or phrase.

It is understood and agreed that:

1. The undersigned has carefully examined all the Contract Documents which will form a part of the Contract;
2. The undersigned has, by investigation of the site of the work and otherwise, satisfied himself as to the nature and location of the work and has fully informed himself as to all conditions and matters which can in any way affect the work or the cost thereof;
3. The undersigned fully understands the scope of the work and has checked carefully all words and figures inserted in this proposal and he further understands that the City

will in no way be responsible for any errors or omissions in the preparation of this proposal;

4. The undersigned will execute the Agreement and furnish the required Performance and Payment Bonds and proof of insurance coverage, within ten (10) days (not including Saturdays, Sundays and holidays) after notice to him of acceptance of his bid by the Owner; and further, that this bid may not be withdrawn for a period of sixty (60) days after the date set for the opening thereof, unless otherwise required by law. If any bidder shall withdraw his bid within said period, the Contractor shall be liable under the provisions of the Bid Security or the Contract and his surety shall be liable under the Bid Bond, as the case may be;

5. The undersigned hereby certifies that this proposal is genuine and not sham or collusive or made in the interest or in behalf of any person not herein named and the undersigned has not directly or indirectly induced or solicited any other bidder to put in a sham bid or any other person, firm or corporation to refrain from bidding; the undersigned has not in any manner sought by collusion to secure for himself an advantage over any other bidder;

6. In conformance with current statutory requirements of Section 1860, et seq., of the Labor Code of the State of California, the undersigned confirms the following as his certification:

> I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability of worker's compensation or to undertake in accordance with the provisions before commencing the performance of the work of this contract.

NOW, in compliance with the Notice Inviting Bids and all the provisions hereinbefore stipulated, the undersigned, with full cognizance thereof, hereby proposes to perform the entire work for the prices set forth in the attached Bid Schedule upon which award of the Contract is made.

Date: _____, 2024

Bidder_____

By_____

Title_____

Bidder's Post Office Address:

_____

_____

Corporation organized under
the laws of the State of _____

Names and addresses of all owners
of the firm or names and titles of
all officers of the corporation:

_____

_____

_____

_____

(corporate seal)

BIDDER'S INFORMATION

Contractor's License No. _____ Expiration Date _____

Classification of Contractor's License No. _____

Contractor _____
(name of firm)

By _____ _____
(signature) (title)

Business Address: _____

_____

Phone (____) _____

I/We certify that the information provided above is complete and true to the best of my/our knowledge.

_____ _____
Contractor Date

Contractor's DIR Public Works Registration No. _____

EXHIBIT A

BID SCHEDULE

WOMEN'S CLUB PARK PROJECT

AT 200 W. GREENWOOD AVENUE
City Project NO. 1-P-22

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	MOBILIZATION/DEMOBILIZATION (Not to exceed five percent (5%) of the total bid)	1	LS		
2	STORM WATER BEST MANAGEMENT PRACTICES (BMPs)	1	LS		
3	CONSTRUCTION SURVEY AND MONUMENTATION	1	LS		
4	INSTALL ~~A~~ TEMPORARY CHAIN LINK FENCE WITH SCREEN FABRIC	800	LF		
5	CLEARING AND GRUBBING	1	LS		
6	EARTHWORK AND GRADING	1	LS		
7	FURNISH ~~AND~~ INSTALL PARK ENTRY	1	LS		
8	CIVIL CONSTRUCTION AND HARDSCAPE	1	LS		

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
9	SITE FURNISHINGS	1	LS		
10	FURNISH AND INSTALL PLAYGROUND AND EXERCISE EQUIPMENT	1	LS		
11	FURNISH AND INSTALL SHADE STRUCTURES FOR PLAYGROUND AND EXERCISE EQUIPMENT.	1	LS		
12	IRRIGATION AND LANDSCAPING	1	LS		
13	ELECTRICAL (PARK LIGHTING)	1	LS		
14	REMOVE EXISTING AND CONSTRUCT PCC CURB RAMP	8	EA		
15	REMOVE EXISTING DRIVEWAY APPROACH	4	EA		
16	REMOVE AND RECONSTRUCT SIDEWALK PER SSPWC	7,500	SF		
17	REMOVE AND RECONSTRUCT 6” CONCRETE CURB AND GUTTER PER SSPWC STANDARD PLAN	100	LF		
18	PERFORM 90-CALENDAR DAY LANDSCAPE MAINTENANCE PERIOD	1	LS		

TOTAL BID PRICE:

TOTAL BID PRICE IN FIGURES: $_____

TOTAL BID PRICE IN WORDS:_____

_____

_____
CONTRACTOR

_____
BY

_____
TITLE

_____
DATE

ACKNOWLEDGEMENT OF ADDENDA RECEIVED

The Bidder shall acknowledge the receipt of addenda by placing an "X" by each addendum received.

Addendum No. 1 _____
Addendum No. 2 _____
Addendum No. 3 _____
Addendum No. 4 _____
Addendum No. 5 _____
Addendum No. 6 _____
Addendum No. 7 _____
Addendum No. 8 _____

If an addendum or addenda have been issued by the CITY and is not noted above and submitted as being received by the Bidder, the Bid Proposal may be rejected.

REFERENCES

[Work similar in scope, magnitude and degree of difficulty completed by Contractor within the past three (3) years.]

1. Name (Firm/Agency): _____

   Address: _____

   Contact Person: _____Telephone No. _____

   Title of Project: _____

   Project Location: _____

   Date of Completion: _____Contract Amount: $ _____

2. Name (Firm/Agency): _____

   Address: _____

   Contact Person: _____Telephone No. _____

   Title of Project: _____

   Project Location: _____

   Date of Completion: _____Contract Amount: $ _____

3. Name (Firm/Agency): _____

   Address: _____

   Contact Person: _____Telephone No. _____

   Title of Project: _____

   Project Location: _____

   Date of Completion: _____Contract Amount: $ _____

4. Name (Firm/Agency): _____

   Address: _____

   Contact Person: _____Telephone No. _____

   Title of Project: _____

   Project Location: _____

   Date of Completion: _____Contract Amount: $ _____

If Contractor has performed work for the City of La Habra within the last five (5) years, list all work done within said five years (attach additional sheets if necessary). Note if work was done as subcontractor (include only subcontract amount):

Work Description & Contract Amount	Agency	Date Completed

Contractor's License No.: _____ Class: _____

a. Date first obtained: _____ Expiration: _____

b. Has License ever been suspended or revoked? _____

If yes, described when and why: _____

c. Any current claims against License or Bond? _____

If yes, describe claims: _____

Principals in Company (List all – attach additional sheets if necessary):

NAME	**TITLE**	**LICENSE NO. (If Applicable)**
_____	_____	_____
_____	_____	_____
_____	_____	_____

DBE BIDDER'S LIST

All bidders/proposers are requested to provide the following information for all DBE and non-DBE contractors or consultants who provided a proposal, bid, quote, or were contacted by the proposed prime. This information is also requested from the proposed prime contractor/consultant and should be submitted with their bid/proposal. The City of La Habra will use this information to maintain and update a "Bidders" List to assist in the overall annual DBE goal-setting process.

Firm Name: _____ Phone: _____

Address: _____ Fax: _____

Contact Person: _____ No. of years in business: _____

Is the firm currently certified as a DBE under 49 CFR Part 26: YES: ___ NO: ___

Type of work/services/materials provided by firm? _____

_____

What was your firm's Gross Annual receipts for last year?

Less than $1 Million
Less than $5 Million
Less than $10 Million
Less than $15 Million
More than $15 Million

This form can be duplicated if necessary to report all bidders (DBEs and non-DBEs) information.

VIOLATIONS OF FEDERAL, STATE, OR LOCAL LAWS

1. Has your firm or its officers been assessed any penalties by an agency for noncompliance or violations of Federal, State, or Local labor laws and/or business or licensing regulations within the past five (5) years relating to your construction projects?

Yes/No: _____ Federal/State: _____

If "yes", identify and describe, (including agency and status):

_____

_____

_____

_____

_____

_____

_____

Have the penalties been paid? Yes/No: _____

2. Does your firm or its officers have any ongoing investigations by any public agency regarding violations of the State Labor Code, California Business and Professions Code or State Licensing Laws?

Yes/No: _____ Code/Laws: _____ Section/Article: _____

If "yes", identify and describe, (including agency and status):

_____

_____

_____

_____

_____

_____

_____

DISQUALIFICATION OR DEBARMENT

Has your firm, any officer of your firm, or any employee who has a proprietary interest in your firm ever been disqualified, removed, or otherwise prevented from bidding on, performing work on, or completing a federal, state, or local project because of a violation of law or a safety regulation?

Yes/No: _____

If yes, provide the following information (if more than once, use separate sheets):

Date: _____ Entity: _____

Location: _____

Reason: _____

_____

_____

_____

Provide Status and any Supplemental Statement: _____

_____

_____

_____

Has your firm been reinstated by this entity?

Yes/No: _____

LIST OF SUBCONTRACTORS

WOMEN'S CLUB PARK PROJECT
AT 200 W. GREENWOOD AVENUE
City Project NO. 1-P-22

The bidder shall list below the name and the location of the place of business of each Subcontractor who will perform work or render services to the prime contractor in or about the construction of the work or improvement in excess of one-half of one percent (1/2%) of the prime contractor's total bid or ten thousand dollars ($10,000.00) whichever is greater in accordance with the requirements of Section 4100 to 4133 inclusive of the public contracts code.

Work to be Performed	License Number	Subcontractor and Address of Office, Mill or Shops	Percent of Total Contract	DBE YES NO

Note: Do not list alternative subcontractors for the same work.

Contractor _____

BID SECURITY FORM

(Check to Accompany Bid)

(Note: The following form shall be used in case check accompanies bid.)

Accompanying this proposal is a *(Certified) *(Cashiers) check payable to the order of the City of La Habra, California, hereinafter referred to as "Owner", for

WOMEN'S CLUB PARK PROJECT
AT 200 W. GREENWOOD AVENUE
City Project NO. 1-P-22

In the amount of $_____ Dollars, this amount being ten percent (10%) of the total amount of the bid. The proceeds of this check shall become the property of said Owner provided this proposal shall be accepted by the said Owner through action if its legally constituted contracting authorities and the undersigned shall fail to execute a contract and furnish the required Performance and Payment Bonds and proof of insurance coverage within the stipulated time; otherwise, the check shall be returned to the undersigned. The proceeds of this check shall also become the property of the Owner if the undersigned shall withdraw his bid within the period of forty-five (45) days after the date set for the opening thereof unless otherwise required by law and notwithstanding the award of the Contract to another bidder.

_____

_____
Bidder

*Delete the inapplicable word.

NOTE: If the bidder desires to use a bond instead of a check, the Bid Bond form on the following pages shall be executed. The sum of this bond shall be not less than ten percent (10%) of the total amount of the bid.

BID BOND

KNOW ALL MEN BY THESE PRESENTS:

That we_____as principal and _____ as surety, are held and firmly bound unto the City of La Habra, California hereinafter referred to as "Owner", in the sum of _____ Dollars ($ _____) to be paid to the said Owner, its successors and assigns for which payment well and truly to be made we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if the certain proposal of the above bounden for the construction of Street Improvements as specifically set forth in documents entitled:

WOMEN'S CLUB PARK PROJECT
AT 200 W. GREENWOOD AVENUE
City Project NO. 1-P-22

all in accordance with the specifications and drawings on file at the offices of the City Clerk of the City of La Habra, California and is not withdrawn within the period of sixty (60) days after the date set for the opening of bids unless otherwise required by law and notwithstanding the award of the Contract to another bidder and that if said proposal is accepted by the Owner through action of its legally constituted contracting authorities and if the above bounden his heirs, executors, administrators, successors and assigns shall duly enter into and execute a contract for such construction and shall execute and deliver the required Performance and Payment Bonds and proof of insurance coverage within ten (10) days (not including Saturdays, Sundays and Holidays) after the date of notification by and from the said Owner that the said contract is ready for execution, then this obligation shall become null and void; otherwise, it shall be and remain in full force and virtue.

IN WITNESS WHEREOF, we hereunto set hands and seal this _____

day of _____, 2024.

_____

_____

_____
BIDDER

NOTE: The standard printed bond form of any bonding company acceptable to the Owner may be used in lieu of the foregoing approved sample bond form provided the security stipulations protecting the Owner are not in any way reduced by use of the Surety Company's printed standard form.

NON-COLLUSION AFFIDAVIT
FOR

WOMEN'S CLUB PARK PROJECT
AT 200 W. GREENWOOD AVENUE
City Project NO. 1-P-22

(TO BE EXECUTED BY EACH AWARDEE OF A PRINCIPAL CONTRACT)

STATE OF CALIFORNIA)
) SS.
)

_____, being first duly sworn,

deposes and says that he is _____
(sole owner, partner, president, secretary, etc.)

of _____

The party making the foregoing bid; that such bid is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization or corporation; that such bid is genuine and not collusive or sham: that said 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, nor that anyone shall refrain from bidding; that said bidder has not in any manner directly or indirectly sought by agreement, communication or conference with anyone to fix the bid price of said bidder or of any other bidder, nor to fix any overhead, profit cost element of such bid price nor of that of any other bidder nor to secure any advantage against the public body awarding the contract or anyone interested in the proposed contract; that all statements contained in such bid are true; and, further, that said bidder has not directly or indirectly, submitted his bid price or any breakdown thereof, nor the contents thereof, nor divulged information or data relative thereto, nor paid and will not pay any fee in connection therewith to any corporation, partnership, company, association, organization, bid depository, nor to any member of agent thereof nor to any other individual except to such person or persons as have a partnership or other financial interest with said bidder in his general business.

Signed: _____

Title: _____

Subscribed and sworn to before me

This _____day of_____, 2024

_____

SEAL OF NOTARY PUBLIC

WORKER'S COMPENSATION CERTIFICATE

(AS REQUIRED BY SECTION 1861
OF THE CALIFORNIA LABOR CODE)

I am aware of the provisions of Section 3700 of the California Labor Code, which require every employer to be insured against liability for worker's compensation, or to undertake self-insurance in accordance with the provisions of said Code, and I will comply with such provisions before commencing the performance of the Work of this Contract.

Contractor _____

By _____

Title _____

Public Contract Code Section 10285.1 Statement

In conformance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder **has ___, has not ___** been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or Federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

Note: The bidder must place a check mark after "has" or "has not" in one of the blank spaces provided. The above Statement is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

Public Contract Code Section 10162 Questionnaire

In conformance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes _____ No _____

If the answer is yes, explain the circumstances in the following space.

Public Contract Code Section 10232 Statement

In conformance with Public Contract Code Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

Note: The above Statement and Questionnaire are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement and Questionnaire.

Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

SECTION E

SAMPLE AGREEMENT

CITY OF LA HABRA
PUBLIC WORKS AGREEMENT FOR
WOMEN'S CLUB PARK PROJECT
CITY PROJECT 1-P-22

THIS AGREEMENT (herein "Agreement"), is made and entered into this ___ day of _____, 2024 and between the **CITY OF LA HABRA**, a municipal corporation (herein "City") and **_____.** (herein "Contractor"). The parties hereto agree as follows:

W I T N E S S E T H :

A. WHEREAS, City requires the construction of _____improvements as set forth more fully in this Agreement.

B. WHEREAS, Contractor represents to City that Contractor is qualified to perform said work and has submitted a proposal to City for the same.

C. WHEREAS, City desires to have Contractor perform said services on the terms and conditions set forth herein.

D. WHEREAS, no official or employee of City has a financial interest, within the provisions of Sections 1090-1092 of the California Government Code, in the subject matter of this Agreement.

NOW, THEREFORE, for and in consideration of the mutual covenants and conditions contained herein and for good and valuable consideration, the receipt and sufficiency of which is acknowledged by both parties, City and Contractor hereby agree as follows:

1.0 DEFINITIONS

1.1 Definitions. As used in this Agreement, the following definitions shall be applicable:

(a) Contractor. Contractor shall mean _____., a California corporation located at _____.

(b) City. City shall mean the City of La Habra, a Municipal Corporation and General Law City, located at 110 E. La Habra Blvd, La Habra, California 90631.

(c) City Council. City Council shall mean the City Council of the City of La Habra.

(d) Contract Officer shall mean the person designated by the City Administrator or City Engineer of City and shall have the duties set forth in Section 5.2.

(e) Services. Services shall mean the services to be performed by the Contractor pursuant to this Agreement.

(f) Satisfactory. Satisfactory shall mean satisfactory to the City Administrator or his/her designee.

2.0 SERVICES OF CONTRACTOR

2.1 Scope of Services. In compliance with all terms and conditions of this Agreement, the Contractor shall provide those services specified in the "Scope of Services" attached hereto as Exhibit "A" and incorporated herein by this reference, which services may be referred to herein as the "services" or "work" hereunder. As a material inducement to the City entering into this Agreement, Contractor represents and warrants that Contractor is a provider of first class work and services and Contractor is experienced in performing the work and services contemplated herein and, in light of such status and experience, Contractor covenants that it shall follow the highest professional standards in performing the work and services required hereunder and that all materials will be of good quality, fit for the purpose intended.

2.2 Documents Included in Contract. This contract consists of this Agreement and any Exhibits, which are incorporated herein by this reference. In the event of an inconsistency, the terms of this Agreement shall govern.

2.3 Compliance with Law. All services rendered hereunder shall be provided in accordance with all ordinances, resolutions, statutes, rules, and regulations of the City and any Federal, State or local governmental agency having jurisdiction in effect at the time service is rendered, including but not limited to, the claims procedure set forth in Public Contract Code Section 9204, a summary of which is attached to this agreement as Exhibit "D."

2.4 Licenses, Permits, Fees and Assessments. Contractor shall obtain at its sole cost and expense such licenses, permits and approvals as may be required by law for the performance of the services required by this Agreement, including registration with the Department of Industrial Relations of the State of California as required by Labor Code Section 1725.5 before commencing performance under this Agreement. Contractor shall have the sole obligation to pay for any fees, assessments and taxes, plus applicable penalties and interest, which may be imposed by law and arise from or are necessary for the Contractor's performance of the services required by this Agreement, and shall indemnify, defend and hold harmless City against any such fees, assessments, taxes penalties or interest levied, assessed or imposed against City hereunder. Contractor shall be responsible for all subcontractors' compliance with this Section 2.4.

2.5 Familiarity with Work. By executing this Contract, Contractor warrants that Contractor (a) has thoroughly investigated and considered the scope of services to be performed, (b) has carefully considered how the services should be performed, and (c) fully understands the facilities, difficulties and restrictions attending performance of the services under this Agreement. If the services involve work upon any site, Contractor warrants that Contractor has or will investigate the site and is or will be fully acquainted with the conditions there existing, prior to commencement of services hereunder. Should Contractor discover any latent or unknown conditions, which will materially affect the performance of the services hereunder, Contractor shall immediately inform the City of such fact and shall not proceed except at Contractor's risk until written instructions are received from the Contract Officer.

2.6 Standard of Performance. Contractor, its subcontractors and their employees, in the performance of Contractor's work under this Agreement shall be responsible for exercising the degree of skill and care required by customarily accepted good professional practices and procedures used in the Contractor's field.

i.

Any costs for failure to meet the foregoing standard or to correct otherwise defective work that requires re-performance of the work, shall be borne in total by the Contractor and not by the City. The failure of a

project to achieve the performance goals and objectives stated in this Agreement is not a basis for requesting re-performance unless the work conducted by Contractor and/or its subcontractors is deemed by the City to have failed the foregoing standard of performance.

In the event Contractor fails to perform in accordance with the above standard:

1. Contractor will re-perform, at its own expense, any task which was not performed to the reasonable satisfaction of City. Any work re-performed pursuant to this paragraph shall be completed within the time limitations originally set forth for the specific task involved. Contractor shall work any overtime required to meet the deadline for the task at no additional cost to the City;

2. The City shall provide a new schedule for the re-performance of any task pursuant to this paragraph in the event that re-performance of a task within the original time limitations is not feasible; and

3. The City shall have the option to direct Contractor not to re-perform any task which was not performed to the reasonable satisfaction of the City Project Manager pursuant to application of (1) and (2) above. In the event the City directs Contractor not to re-perform a task, the City shall negotiate a reasonable settlement for satisfactory work performed. No previous payment shall be considered a waiver of the City's right to reimbursement.

ii. Nothing contained in this section is intended to limit any of the rights or remedies which the City may have under law.

2.7 Care of Work. The Contractor shall adopt reasonable methods during the life of the Agreement to furnish continuous protection to the work, and the equipment, materials, papers, documents, plans, studies and/or other components thereof to prevent losses or damages, and shall be responsible for all such damages, to persons or property, until acceptance of the work by City, except such losses or damages as may be caused by City's own negligence.

2.8 Further Responsibilities of Parties. Both parties agree to use reasonable care and diligence to perform their respective obligations under this Agreement. Both parties agree to act in good faith to execute all instruments, prepare all documents and take all actions as may be reasonably necessary to carry out the purposes of this Agreement. Unless hereafter specified, neither party shall be responsible for the service of the other. Contractor shall require all subcontractors to comply with the provisions of this agreement.

2.9 Additional Services. City shall have the right at any time during the performance of the services, without invalidating this Agreement, to order extra work beyond that specified in the Scope of Services or make changes by altering, adding to or deducting from said work. No such extra work may be undertaken unless a written change order is first given by the Contract Officer to the Contractor, incorporating therein any adjustment in (i) the Contract Sum as set forth in Section 3.1, and/or (ii) the time to perform this Agreement, which said adjustments are subject to the written approval of the Contractor. Any increase in compensation of twenty five percent (25%) or less of the Contract Sum, or in the time to perform of one hundred eighty (180) days or less may be approved by the Contract Officer. Any increases, taken either separately or cumulatively, that result in the Contract Sum exceeding $25,000 must be approved by the City Council. It is expressly understood by Contractor that the provisions of this Section shall not apply to services specifically set forth in the Scope of Services or reasonably contemplated therein. Contractor hereby acknowledges that it accepts the risk that the services to be provided pursuant to the Scope of Services may be more costly or time consuming than Contractor anticipates and that Contractor shall not be entitled to additional compensation therefore.

2.10 Prevailing Wage Laws. Contractor represents and warrants that it is registered with the Department of Industrial Relations pursuant to SB 854 and Labor Code 1725.5. Contractor shall ensure that its subcontractors comply with said requirements. In accordance with Labor Code Section 1770 et seq., the Director of the Department of Industrial Relations of the State of California has ascertained a general prevailing rate of wages, which is the minimum amount, which shall be paid to all workers employed to perform the work pursuant to this Agreement. A copy of the general prevailing wage rate determination is on file in the Office of the City Clerk and is hereby incorporated by reference into this Agreement. In accordance with the provisions of Labor Code Section 1810 et seq., eight (8) hours is the legal working day. Contractor must forfeit to the City Twenty Five Dollars ($25.00) a day for each worker who works in excess of the minimum working hours when Contractor does not pay overtime. Contractor is required to post a copy of such wage rates at all times at the contract site. The statutory penalties for failure to pay prevailing wage or to comply with State wage and hour laws will be enforced. Contractor also shall comply with State law requirements to maintain payroll records and shall provide for certified records and inspection of records as required by California Labor Code Section 1770 et. seq., including Section 1776. Contractor shall comply with all statutory requirements relating to the employment of apprentices.

3.0 COMPENSATION

3.1 Contract Sum. For the services rendered pursuant to this Agreement, the Contractor shall be compensated as specified herein, but not exceeding the maximum contract amount of _____ Dollars ($_____) (herein "Contract Sum"), except as provided in Section 2.9. The Contract Sum shall include the attendance of Contractor at all project meetings reasonably deemed necessary by the City; Contractor shall not be entitled to any additional compensation for attending said meetings.

3.2 Progress Payments. Prior to the first day of the month, during the progress of the work, commencing on the day and month specified in the Agreement, Contractor shall submit to the Contract Officer a complete itemized statement of all labor and materials incorporated into the work during the preceding month and the portion of the contract sum applicable thereto. Upon approval in writing by the Contract Officer, payment shall be made in thirty (30) days. City shall pay Contractor a sum based upon ninety-five percent (95%) of the contract price apportionment of the labor and materials incorporated into the work under the contract during the month covered by said statement. The remaining five percent (5%) thereof shall be retained as performance security. Refer to Section 8.4 of this Agreement for retention of funds.

4.0 PERFORMANCE SCHEDULE

4.1 Time of Essence. Time is of the essence in the performance of this Agreement.

4.2 Schedule of Performance. Contractor shall commence the services pursuant to this Agreement upon receipt of a written notice to proceed and shall perform all services within the time period(s) established in Exhibit "A", and incorporated herein by this reference. When requested by the Contractor, extensions to the time period(s) specified in the Scope of Services may be approved in writing by the Contract Officer.

4.3 Force Majeure. The time period(s) specified in the Scope of Services for performance of the services rendered pursuant to this Agreement shall be extended because of any delays due to unforeseeable causes beyond the control and without the fault or negligence of the Contractor, including, but not restricted to, acts of God or of the public enemy, unusually severe weather, fires, earthquakes, floods, epidemics, quarantine restrictions, riots, strikes, freight embargoes, wars, litigation, and/or acts of any governmental agency, including the City, if the Contractor shall within ten (10) days of the commencement of such delay notify the Contract Officer in writing of the causes for the delay. The Contract Officer shall ascertain the facts and the extent of delay, and extend the time for performing the services for the period of the enforced delay when and if in the

judgment of the Contract Officer such delay is justified. The Contract Officer's determination shall be final and conclusive upon the parties to this Agreement.

4.4 Term. Unless earlier terminated in accordance with Section 8.9 of this Agreement, this Agreement shall continue in full force and effect until final approval and acceptance of the project by the Contract Officer. Notwithstanding the foregoing, this Agreement shall terminate no later than _____, 20__, unless the parties mutually agree in writing to extend the term.

5.0 COORDINATION OF WORK

5.1 Representative of Contractor. The following principals of Contractor are hereby designated as being the principals and representatives of Contractor authorized to act in its behalf with respect to the work specified herein and make all decisions in connection therewith:

_____
_____
_____

It is expressly understood that the experience, knowledge, capability and reputation of the foregoing principals were a substantial inducement for City to enter into this Agreement. Therefore, the foregoing principals shall be responsible during the term of this Agreement for directing all activities of Contractor and devoting sufficient time to personally supervise the services hereunder. For purposes of this Agreement, the foregoing principals may not be replaced nor may their responsibilities be substantially reduced by Contractor without the express written approval of City.

5.2 Contract Officer. The Contract Officer shall be such person as may be designated by the City Administrator or City Engineer of City. It shall be the Contractor's responsibility to assure that the Contract Officer is kept informed of the progress of the performance of the services and the Contractor shall refer any decisions that must be made by City to the Contract Officer. Unless otherwise specified herein, any approval of City required hereunder shall mean the approval of the Contract Officer. The Contract Officer shall have authority to sign all documents on behalf of the City required hereunder to carry out the terms of this Agreement.

5.3 Prohibition Against Assignment. The experience, knowledge, capability and reputation of Contractor, its principals and employees were a substantial inducement for the City to enter into this Agreement. Neither this Agreement nor any interest herein may be transferred, assigned, conveyed, hypothecated or encumbered voluntarily or by operation of law, whether for the benefit of creditors or otherwise, without the prior written approval of City. Transfers restricted hereunder shall include the transfer to any person or group of persons acting in concert of more than twenty five percent (25%) of the present ownership and/or control of Contractor, taking all transfers into account on a cumulative basis. In the event of any such unapproved transfer, including any bankruptcy proceeding, this Agreement shall be void. No approved transfer shall release the Contractor or any surety of Contractor of any liability hereunder without the express consent of City.

5.4 Independent Contractor. Neither the City nor any of its employees shall have any control over the manner, mode or means by which Contractor, its subcontractors, agents or employees, performs the services required herein, except as otherwise set forth herein. City shall have no voice in the selection, discharge, supervision or control of Contractor's employees, subcontractors, servants, representatives or agents, or in fixing their number, compensation or hours of service. Contractor shall perform all services required herein as an independent contractor of City and shall remain at all times as to City a wholly

independent contractor with only such obligations as are consistent with that role. Contractor shall not at any time or in any manner represent that it or any of its subcontractors, agents or employees are agents or employees of City. City shall not in any way or for any purpose become or be deemed to be a partner of Contractor in its business or otherwise or a joint venture or a member of any joint enterprise with Contractor.

5.5 Identity of Persons Performing Work. Contractor represents that it employs or will employ at its own expense all personnel required for the satisfactory performance of any and all tasks and services set forth herein. Contractor represents that the tasks and services required herein will be performed by Contractor or under its direct supervision, and that all personnel engaged in such work shall be fully qualified and shall be authorized and permitted under applicable State and local law to perform such tasks and services.

5.6 Utility Relocation. City is responsible for removal, relocation, or protection of existing main or trunkline utilities to the extent such utilities were not identified in the invitation for bids or specifications. City shall reimburse contractor for any costs incurred in locating, repairing damage not caused by contractor and removing or relocating such unidentified utility facilities, including equipment idled during such work. Contractor shall not be assessed liquidated damages for delay arising from the removal or relocation of such unidentified utility facilities.

5.7 Trenches or Excavations. Pursuant to California Public Contract Code Section 7104, in the event the work included in this Agreement requires excavations more than four (4) feet in depth, the following shall apply.

(a) Contractor shall promptly, and before the following conditions are disturbed, notify City, in writing, of any: (1) material that Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law; (2) Subsurface or latent physical conditions at the site different from those indicated; or (3) Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the contract.

(b) City shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in Contractor's cost of, or the time required for, performance of any part of the work shall issue a change order per Section 2.9 of this Agreement.

(c) That, in the event that a dispute arises between City and Contractor whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in Contractor's cost of, or time required for, performance of any part of the work, Contractor shall not be excused from any scheduled completion date provided for by the contract, but shall proceed with all work to be performed under the contract. Contractor shall retain any and all rights provided either by contract or by law, which pertain to the resolution of disputes and protests between the contracting parties.

6.0 INSURANCE, INDEMNIFICATION AND BONDS

6.1 Insurance. The Contractor and all subcontractors, if any, shall procure and maintain, at its sole cost and expense, in a form and content satisfactory to City, during the entire term of this Agreement including any extension thereof, insurance as set forth in Exhibit "B" attached hereto and incorporated herein by this reference.

Conditions:

In accordance with Public Contract Code Section 20170, the insurance of surety companies who provide or issue the policy shall have been admitted to do business in the State of California with a credit rating of A- or better.

This insurance shall not be canceled, limited in scope or coverage or non-renewed until after thirty (30) days prior written notice has been given to the Public Works Director, City of La Habra, 110 E. La Habra Blvd., La Habra, California 90631.

Any insurance maintained by the City of La Habra shall apply in excess of and not combined with insurance provided by this policy.

The City of La Habra, its officers, employees, representatives, attorneys, and volunteers shall be named as additional named insureds.

Prior to commencement of any work under this contract, Contractor shall deliver to the City insurance endorsements confirming the existence of the insurance required by this contract, and including the applicable clauses referenced above.

Such endorsements shall be signed by an authorized representative of the insurance company and shall include the signator's company affiliation and title. Should it be deemed necessary by the City, it shall be Contractor's responsibility to see that the City receives documentation, acceptable to the City, which sustains that the individual signing said endorsements is indeed authorized to do so by the insurance company.

If the Contractor fails to maintain the aforementioned insurance, or secure and maintain the aforementioned endorsement, the City may obtain such insurance, and deduct and retain the amount of the premiums for such insurance from any sums due under the agreement. However, procuring of said insurance by the City is an alternative to other remedies the City may have, and is not the exclusive remedy for failure of Contractor to maintain said insurance or secure said endorsement. In addition to any other remedies the City may have upon Contractor's failure to provide and maintain any insurance or policy endorsements to the extent and within the time herein required, the City shall have the right to order Contractor to stop work hereunder, and/or withhold any payment(s) which became due to Contractor hereunder until Contractor demonstrates compliance with the requirements hereof.

Nothing herein contained shall be construed as limiting in any way the extent to which Contractor may be held responsible for payments of damages to persons or property resulting from Contractor's or its subcontractor's performance of the work covered under this agreement.

Each contract between the Contractor and any subcontractor shall require the subcontractor to maintain the same policies of insurance that the Contractor is required to maintain pursuant to this Section 6.1.

6.2 Certificates of Insurance. Contractor shall provide to City certificates of insurance showing the insurance coverages and required endorsements described above, in a form and content approved by City, prior to performing any services under this Agreement. The certificates of insurance and endorsements shall be attached to this Agreement as Exhibit "C", and are incorporated herein by this reference.

6.3 Indemnification. Contractor shall defend, indemnify, hold free and harmless the City of La Habra, its elected and appointed officials, officers, agents and employees, at Contractor's sole expense, from and against any and all actions, suits, claims, damages to persons or property, losses, costs, penalties, obligations, errors, omissions or liabilities, (herein "claims or liabilities") that may be asserted or claimed by any person, firm or entity arising or alleged to arise out of or in connection with the performance of the work, operations or activities of Contractor, its agents, employees, subcontractors, or invitees, provided for herein, or arising or alleged to arise from the negligent acts or omissions of Contractor hereunder, or arising or alleged to arise from Contractor's performance of or failure to perform any term, provision, covenant or condition of this Agreement.

(a) Contractor will defend any action or actions filed in connection with any of said claims or liabilities and will pay all costs and expenses, including legal costs and attorneys' fees incurred in connection therewith.

(b) Contractor will promptly pay any judgment rendered against the City, its officers, agents or employees for any such claims or liabilities arising or alleged to arise out of or in connection with Contractor's (or its agents', employees', subcontractors' or invitees') negligent performance of or failure to perform such work, operations or activities hereunder; and Contractor agrees to save and hold the City, its officers, agents, and employees harmless therefrom.

(c) In the event the City, its officers, agents or employees is made a party to any action or proceeding filed or prosecuted against Contractor for such damages or other claims arising or alleged to arise out of or in connection with the performance of or failure to perform the work, operation or activities of Contractor hereunder, Contractor shall pay to the City, its officers, agents or employees, any and all costs and expenses incurred by the City, its officers, agents or employees in such action or proceeding, including but not limited to, legal costs and attorneys' fees for counsel selected by City.

(d) Contractor's duty to defend and indemnify as set out in this Section 6.3 shall include any claims, liabilities, obligations, losses, demands, actions, penalties, suits, costs, expenses or damages or injury to persons or property arising or alleged to arise from, in connection with, as a consequence of or pursuant to any state or federal law or regulation regarding hazardous substances, including but not limited to the Federal Insecticide, Fungicide and Rodenticide Act ("FIFRA"), Comprehensive Environmental Response, Compensation and Liability Act of 1980 ("CERCLA"), Resource Conservation and Recovery Act of 1976 ("RCRA"), the Hazardous and Solid Waste Amendments of 1984, the Hazardous Material Transportation Act, the Toxic Substances control Act, the Clean Air Act, the Clean Water Act, the California Hazardous Substance Account Act, the California Hazardous Waste Control Law or the Porter-Cologne Water Quality Control Act, as any of those statutes may be amended from time to time.

Notwithstanding the foregoing, Contractor shall not be liable for the defense or indemnification of the City for claims, actions, complaints or suits arising out of the sole active negligence or willful misconduct of the City.

The Contractor's indemnification obligations pursuant to this Section 6.3 shall survive the termination of this Agreement. Contractor shall require the same indemnification from all subcontractors.

6.4 Labor and Materials and Performance Bonds. Concurrently with execution of this Agreement, Contractor shall deliver to City a labor and materials bond and a performance bond each in the sum of the amount of this Agreement, in the forms provided by the City Clerk, which secures the faithful performance of this Agreement. The bonds shall contain the original notarized signature of an authorized officer of the surety and affixed thereto shall be a certified and current copy of his power of attorney. The bonds shall be unconditional and remain in force during the entire term of the Agreement and shall be null and void only if the Contractor promptly and faithfully performs all terms and conditions of this Agreement.

6.5 Sufficiency of Insurer or Surety. Insurance required by this Agreement shall be satisfactory only if issued by companies qualified to do business in California, rated "A" or better in the most recent edition of Best Rating Guide, The Key Rating Guide or in the Federal Register, and only if they are of a financial category Class VII or better, unless such requirements are waived by the Risk Manager of the City due to unique circumstances. In the event the Senior Management Analyst of City ("Senior Management Analyst") determines that the work or services to be performed under this Agreement creates an increased risk of loss to the City, the Contractor agrees that the minimum limits of the insurance policies required by this Section 6 may be changed accordingly upon receipt of written notice from the Senior Management Analyst; provided that the Contractor shall have the right to appeal a determination of increased coverage by the Senior Management Analyst to the City Council of City within ten (10) days of receipt of notice from the Senior Management Analyst.

6.6 Substitution of Securities. Pursuant to California Public Contract Code Section 22300, substitution of eligible equivalent securities for any monies withheld to ensure performance under the contract for the work to be performed will be permitted at the request and expense of the successful bidder.

b. 7.0 RECORDS AND REPORTS

7.1 Reports. Contractor shall periodically prepare and submit to the Contract Officer such reports concerning the performance of the services required by this Agreement as the Contract Officer shall require. Contractor hereby acknowledges that the City is greatly concerned about the cost of work and services to be performed pursuant to this Agreement. For this reason, Contractor agrees that if Contractor becomes aware of any facts, circumstances, techniques, or events that may or will materially increase or decrease the cost of the work or services contemplated herein or, if Contractor is providing design services, the cost of the project being designed, Contractor shall promptly notify the Contract Officer of said fact, circumstance, technique or event and the estimated increased or decreased cost related thereto and, if Contractor is providing design services, the estimated increased or decreased cost estimate for the project being designed.

7.2 Records. Contractor shall keep, and require subcontractors to keep, such books and records (including but not limited to payroll records as required herein) as shall be necessary to perform the services required by this Agreement and enable the Contract Officer to evaluate the performance of such services. The Contract Officer shall have full and free access to such books and records at all times during normal business hours of City, including the right to inspect, copy, audit and make records and transcripts from such records. Such records shall be maintained for a period of three (3) years following completion of the services hereunder, and the City shall have access to such records in the event any audit is required.

7.3 Ownership of Documents. All drawings, specifications, reports, records, documents and other materials prepared by Contractor, its employees, subcontractors and agents in the performance of this Agreement shall be the property of City and shall be delivered to City upon request of the Contract Officer or upon the termination of this Agreement, and Contractor shall have no claim for further employment or additional compensation as a result of the exercise by City of its full rights of ownership of the documents and materials hereunder. Contractor may retain copies of such documents for its own use.

Contractor shall have an unrestricted right to use the concepts embodied therein. All subcontractors shall provide for assignment to City of any documents or materials prepared by them, and in the event Contractor fails to secure such assignment, Contractor shall indemnify City for all damages resulting therefrom.

7.4 Public Records Act Disclosure. Contractor has been advised and is aware that this Agreement and all reports, documents, information and data, including, but not limited to, computer tapes, discs or files furnished or prepared by Contractor, or any of its subcontractors, pursuant to this Agreement and provided to City may be subject to public disclosure as required by the California Public Records Act (California Government Code Section 6250 *et seq*.). Exceptions to public disclosure may be those documents or information that qualify as trade secrets, as that term is defined in the California Government Code Section 6254.7, and of which Contractor informs City of such trade secret. The City will endeavor to maintain as confidential all information obtained by it that is designated as a trade secret. The City shall not, in any way, be liable or responsible for the disclosure of any trade secret including, without limitation, those records so marked if disclosure is deemed to be required by law or by order of the Court.

8.0 GENERAL PROVISIONS

8.1 Governing Law. This Agreement shall be construed and interpreted both as to validity and to performance of the parties in accordance with the laws of the State of California. Legal actions concerning any dispute, claim or matter arising out of or in relation to this Agreement shall be instituted in the Superior Court of the County of Orange, State of California, or any other appropriate court in such county, and Contractor covenants and agrees to submit to the personal jurisdiction of such court in the event of such action.

8.2 Representatives. The City Administrator or his or her designee shall be the representative of City for purposes of this Agreement and may issue all consents, approvals, directives and agreements on behalf of the City, called for by this Agreement, except as otherwise expressly provided in this Agreement.

The Principal set forth in Section 5.1 above shall be the representative for Contractor for purposes of this Agreement, and shall be authorized to issue all consents, approvals, directives and agreements on behalf of Contractor called for by this Agreement, except as otherwise expressly provided in this Agreement.

8.3 Disputes. In the event either party fails to perform its obligations hereunder, the nondefaulting party shall provide the defaulting party written notice of such default. The defaulting party shall have ten (10) days to cure the default; provided that, if the default is not reasonably susceptible to being cured within said ten (10) day period, the defaulting party shall have a reasonable time to cure the default, not to exceed a maximum of thirty (30) days, so long as the defaulting party commences to cure such default within ten (10) days of service of such notice and diligently prosecutes the cure to completion; provided further that if the default is an immediate danger to the health, safety and general welfare, the defaulting party shall take such immediate action as may be necessary. Notwithstanding the foregoing, the nondefaulting party may, in its sole and absolute discretion, grant a longer cure period. Should the defaulting party fail to cure the default within the time period provided in this Section, the nondefaulting party shall have the right, in addition to any other rights the nondefaulting party may have at law or in equity, to terminate this Agreement. Compliance with the provisions of this Section 8.3 shall be a condition precedent to bringing any legal action, and such compliance shall not be a waiver of any party's right to take legal action in the event that the dispute is not cured.

8.4 Retention of Funds. Progress payments shall be made in accordance with the provisions of Section 3.2 of this Agreement. In accordance with said section, City shall pay Contractor a sum based upon ninety-five percent (95%) of the contract price apportionment of the labor and materials incorporated into the work under the contract during the month covered by said statement. The remaining five percent (5%) thereof shall be retained as performance security to be paid to the Contractor within sixty (60) days after final acceptance of the work by the City Council, after Contractor shall have furnished City with a release of all undisputed contract amounts if required by City. In the event there are any claims specifically excluded by Contractor from the operation of the release, the City may retain proceeds (per Public Contract Code 7107) of up to 150% of the amount in dispute. City's failure to deduct or withhold shall not affect Contractor's obligations hereunder.

8.5 Waiver. No delay or omission in the exercise of any right or remedy by a nondefaulting party on any default shall impair such right or remedy or be construed as a waiver. A party's consent to or approval of any act by the other party requiring the party's consent or approval shall not be deemed to waive or render unnecessary the other party's consent to or approval of any subsequent act. Any waiver by either party of any default must be in writing and shall not be a waiver of any other default concerning the same or any other provision of this Agreement.

8.6 Rights and Remedies. Rights and Remedies are cumulative except with respect to rights and remedies expressly declared to be exclusive in this Agreement, the rights and remedies of the parties are cumulative and the exercise by either party of one or more of such rights or remedies shall not preclude the exercise by it, at the same or different times, of any other rights or remedies for the same default or any other default by the other party.

8.7 Legal Action. In addition to any other rights or remedies, either party may take legal action, in law or in equity, to cure, correct or remedy any default, to recover damages for any default, to compel specific performance of this Agreement, to obtain declaratory or injunctive relief, or to obtain any other remedy consistent with the purposes of this Agreement.

8.8 Liquidated Damages. Since the determination of actual damages for any delay in performance of this Agreement would be extremely difficult or impractical to determine in the event of a breach of this Agreement, the Contractor and its sureties shall be liable for and shall pay to the City _____Dollars ($.00) as liquidated damages for each working day of delay in the performance of any service required hereunder, as specified in the Scope of Services (Exhibit A). The City may withhold from any monies payable on account of services performed by the Contractor any accrued liquidated damages.

8.9 Termination for Default of Contractor. If termination is due to the failure of the Contractor to fulfill its obligations under this Agreement, Contractor shall vacate any City owned property which Contractor is permitted to occupy hereunder and City may, after compliance with the provisions of Section 8.3, take over the work and prosecute the same to completion by contract or otherwise, and the Contractor shall be liable to the extent that the total cost for completion of the services required hereunder exceeds the compensation herein stipulated (provided that the City shall use reasonable efforts to mitigate such damages), and City may withhold any payments to the Contractor for the purpose of setoff or partial payment of the amounts owed the City as previously stated.

8.10 Notice. Any notice, demand, request, document, consent, approval, or communication either party desires or is required to give to the other party or any other person shall be in writing and shall be deemed to be given when served personally or deposited in the US Mail, prepaid, first-class mail, return receipt requested, addressed as follows:

To City: City of La Habra
110 E. La Habra Boulevard
La Habra, California 90631
Attn.: Albert Mendoza

To Contractor:

8.11 Non-liability of City Officers and Employees. No officer or employee of the City shall be personally liable to the Contractor, or any successor in interest, in the event of any default or breach by the City or for any amount which may become due to the Contractor or to its successor, or for breach of any obligation of the terms of this Agreement.

8.12 Conflict of Interest. The Contractor warrants that it has not paid or given and will not pay or give any third party any money or other consideration for obtaining this Agreement.

Contractor and its officers, employees, associates and subcontractors, if any, will comply with all conflict of interest statutes of the State of California applicable to Contractor's services under this agreement, including, but not limited to, the Political Reform Act (Government Code Sections 81000, *et seq*.) and Government Code Section 1090. During the term of this Agreement, Contractor and its officers, employees, associates and subcontractor shall not, without the prior written approval of the City Representative, perform work for another person or entity for whom Contractor is not currently performing work that would require Contractor or one of its officers, employees, associates or subcontractors to abstain from a decision under this Agreement pursuant to a conflict of interest statute.

8.13 Covenant Against Discrimination. Contractor covenants that, by and for itself, its heirs, executors, assigns, and all persons claiming under or through them, that there shall be no discrimination against or segregation of, any person or group of persons on account of race, color, creed, religion, sex, marital status, national origin, or ancestry in the performance of this Agreement. To the extent required by law, contractor shall take affirmative action to insure that applicants are employed and that employees are treated during employment without regard to their race, color, creed, religion, sex, marital status, national origin, or ancestry.

8.14 Interpretation. The terms of this Agreement shall be construed in accordance with the meaning of the language used and shall not be construed for or against either party by reason of the authorship of this Agreement or any other rule of construction which might otherwise apply.

8.15 Severability. In the event that any one or more of the phrases, sentences, clauses, paragraphs, or sections contained in this Agreement shall be declared invalid or unenforceable by a valid judgment or decree of a court of competent jurisdiction, such invalidity or unenforceability shall not affect any of the remaining phrases, sentences, clauses, paragraphs, or sections of this Agreement which are hereby declared as severable and shall be interpreted to carry out the intent of the parties hereunder unless the invalid provision is so material that its invalidity deprives either party of the basic benefit of their bargain or renders this Agreement meaningless.

8.16 [reserved]

8.17 Unfair Business Practices Claims. In entering into a public works contract or a subcontract to supply goods, services or materials pursuant to a public works contract, the contractor or subcontractor offers and agrees to assign to the awarding body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2, (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body renders final payment to the contractor without further acknowledgment by the parties. (Sec. 7103.5, California Public Contract Code).

8.18 Corporate Authority. The persons executing this Agreement on behalf of the parties hereto warrant that (i) such party is duly organized and existing, (ii) they are duly authorized to execute and deliver this Agreement on behalf of said party, (iii) by so executing this Agreement, such party is formally bound to the provisions of this Agreement, and (iv) the entering into this Agreement does not violate any provision of any other Agreement to which said party is bound.

8.19 PERS Eligibility Indemnification. In the event that Contractor or any employee, agent, or subcontractor of Contractor providing services under this Agreement claims or is determined by a court of competent jurisdiction or the California Public Employees Retirement System (PERS) to be eligible for enrollment in PERS as an employee of the City, Contractor shall indemnify, defend, and hold harmless City for the payment of any employee and/or employer contributions for PERS benefits on behalf of Contractor or its employees, agents, or subcontractors, as well as for the payment of any penalties and interest on such contributions, which would otherwise be the responsibility of City.

Notwithstanding any other agency, state or federal policy, rule, regulation, law or ordinance to the contrary, Contractor and any of its employees, agents, and subcontractors providing service under this Agreement shall not qualify for or become entitled to, and hereby agree to waive any claims to, any compensation, benefit, or any incident of employment by City, including but not limited to eligibility to enroll in PERS as an employee of City and entitlement to any contribution to be paid by City for employer contribution and/or employee contributions for PERS benefits.

8.20 Cooperation. In the event any claim or action is brought against City relating to Contractor's performance or services rendered under this Agreement, Contractor shall render any reasonable assistance and cooperation which City might require.

8.21 Legal Responsibilities. The Contractor shall keep itself informed of City, State, and Federal laws, ordinances and regulations, which may in any manner affect the performance of its services pursuant to this Agreement. The Contractor shall at all times observe and comply with all such laws, ordinances and regulations. Neither the City, nor its officers, agents, or employees shall be liable at law or in equity as a result of the Contractor's failure to comply with this section.

8.22 Termination for Convenience. The City may terminate this Agreement without cause for convenience of the City upon giving contractor 30 days prior written notice of termination of the Agreement. Upon receipt of the notice of termination the Contractor shall cease all further work pursuant to the Agreement. Upon such termination by the City the Contractor shall not be entitled to any other remedies, claims, actions, profits, or damages except as provided in this paragraph. Upon the receipt of such notice of termination Contractor shall be entitled to the following compensation:

1. The contract value of the work completed to and including the date of receipt of the notice of termination, less the amount of progress payments received by contractor.

2. Actual move-off costs including labor, rental fees, equipment transportation costs, the costs of maintaining on-site construction office for supervising the mover-off.

3. The cost of materials custom made for this Agreement which cannot be used by the Contractor in the normal course of his business, and which have not been paid for by City in progress payments.

4. All costs shall not include any markups as might otherwise be allowed by any plans or specifications which were a part of the Agreement.

The provisions of this paragraph shall supersede any other provision of the Agreement or any provision of any plans, specification, addendums or other documents which are or may become a part of this Agreement. City and Contractor agree that the provisions of this paragraph are a substantive part of the consideration for this Agreement.

8.23 Responsibility for Errors. Contractor shall be responsible for its work and results under this Agreement. Contractor, when requested, shall furnish clarification and/or explanation as may be required by the City's representative, regarding any services rendered under this Agreement at no additional cost to City. In the event that an error or omission attributable to Contractor occurs, then Contractor shall, at no cost to City, provide all necessary design drawings, estimates and other Contractor professional services necessary to rectify and correct the matter to the sole satisfaction of City and to participate in any meeting required with regard to the correction.

8.24 Order of Precedence. In the event of an inconsistency in this Agreement and any of the attached Exhibits, the terms set forth in this Agreement shall prevail. If, and to the extent this Agreement incorporates by reference any provision of any document, such provision shall be deemed a part of this Agreement. Nevertheless, if there is any conflict among the terms and conditions of this Agreement and those of any such provision or provisions so incorporated by reference, this Agreement shall govern over the document referenced.

8.25 Costs. Each party shall bear its own costs and fees incurred in the preparation and negotiation of this Agreement and in the performance of its obligations hereunder except as expressly provided herein.

8.26 No Third Party Beneficiary Rights. This Agreement is entered into for the sole benefit of City and Contractor and no other parties are intended to be direct or incidental beneficiaries of this Agreement and no third party shall have any right in, under or to this Agreement.

8.27 Headings. Paragraphs and subparagraph headings contained in this Agreement are included solely for convenience and are not intended to modify, explain or to be a full or accurate description of the content thereof and shall not in any way affect the meaning or interpretation of this Agreement.

8.28 Construction. The parties have participated jointly in the negotiation and drafting of this Agreement. In the event an ambiguity or question of intent or interpretation arises with respect to this Agreement, this Agreement shall be construed as if drafted jointly by the parties and in accordance with its fair meaning. There shall be no presumption or burden of proof favoring or disfavoring any party by virtue of the authorship of any of the provisions of this Agreement.

8.29 Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original. All counterparts shall be construed together and shall constitute one agreement.

8.30 Funding Source Conditions – Contractor's Obligation. Contractor acknowledges that the City may be paying for the Project by using funds it receives or will receive from various funding sources in the form of grants and/or subsidies, and the like under certain terms and conditions. Contractor acknowledges and agrees that any failure of the Contractor and/or its subcontractors to perform its obligations under the Contract, including, but not limited to, timely submitting accurate reports and records, that in any way results in the City not meeting the terms and conditions placed on the funds by the funding source, or forfeiting its entitlement to or, otherwise, not receiving, the funds, then the Contractor shall be liable to pay the City for the funds not granted to the City on the Project.

8.31 Entire Agreement. This Agreement constitutes the entire agreement between the parties with respect to any matter referenced herein and supersedes any and all other prior writings and oral negotiations. This Agreement may be modified only in writing, and signed by the parties in interest at the time of such modification. The terms of this Agreement shall prevail over any inconsistent provision in any other contract document appurtenant hereto, including exhibits to this Agreement.

IN WITNESS WHEREOF, the parties have executed and entered into this Agreement as of the date first written above.

CITY OF LA HABRA,
A municipal corporation

_____ Date: _____
Jim Sadro, City Manager

CONTRACTOR

_____ Date: _____
Signature

_____
Name and Title

_____
Social Security or Taxpayer ID Number

ATTEST:

_____ Date: _____
Rhonda J. Barone, City Clerk

APPROVED AS TO FORM:

_____ Date: _____
Richard D. Jones, City Attorney

(Use of City Bond Form is Required)

LABOR AND MATERIAL PAYMENT BOND
PUBLIC WORK (CALIFORNIA)

KNOW ALL MEN BY THESE PRESENT:

WHEREAS, _____, as Principal, has entered into a contract dated _____, with the City of La Habra (Obligee) referred to and made a part hereof to perform the following work, to wit: _____ and all appurtenant work in accordance with PROJECT NO. _____, which requires Principal to file this bond to secure claims made in relation to the project.

NOW THEREFORE, we, _____, as Principal, and _____, a corporation organized under the laws of _____ and duly authorized to transact business in the State of California, as Surety, are held firmly bound unto the City of La Habra, as Obligee, and all sub-contractors, laborers, material persons and other persons employed in the performance of the referenced agreement, in the sum of _____ Dollars ($ .00), lawful money of the United States of America, for the payment whereof well and truly to be made the Principal and Surety bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

If the above bounden PRINCIPAL, his or its heirs, executors, administrators, successors, assigns, or any of his or its sub-contractors, fails to pay for any materials, provisions, provender, or other supplies, or teams, implements or machinery, used in, upon, for or about the performance of the work contracted to be done, or for any work or labor to persons named in Section 9100 or the Civil Code, thereon of any kind, or for amounts due under the Unemployment Insurance Code with respect to such work or labor deducted, withheld and paid over to the Employment Development Department from the wages of employees of the contractor and sub-contractors pursuant to Section 13020 of the Unemployment Insurance Code, that the SURETY on this bond will pay the same, in an amount not exceeding the sum specified in this bond, AND ALSO, in case suit is brought upon this bond, a reasonable attorney's fee, which shall be awarded by the court to the prevailing party in said suit, said attorney's fee to be taxed as costs in said suit and to be included in the judgment herein rendered.

As part of the obligation secured hereby, the SURETY shall not be exonerated or released from the obligation of the bond by any change, alteration, or modification in or of any contract, plans, specifications, or agreement pertaining or relating to any scheme or work of improvement or pertaining or relating to the furnishing of labor, materials, or equipment therefor, nor by any change or modification of any terms of payment or extension of the time for any payment pertaining or relating to any scheme of work of improvement, nor by any rescission or attempted rescission of the contract, agreement or bond, nor by any conditions precedent or subsequent in the bond attempting to limit the right of recovery of claimants otherwise entitled to recover under

any such contract or agreement, or under the bond, nor, where the bond is given for the benefit of claimants, by any fraud practiced by any person other than the claimant seeking to recover on the bond.

This bond shall inure to the benefit of any and all persons, companies and corporations entitled to file claims under the Civil Code so as to give them a right of action in a suit on this bond.

This bond is executed for the purpose of complying with the laws of the State of California and shall inure to the benefit of any of the persons named in Section 9100 of the Civil Code of the State of California.

IN WITNESS THEREOF, we have hereunto set our hands and seals this _____ day of _____, 20__.

(Corporate Seal)

_____
Principal

By_____

.....
Title

(Corporate Seal)

_____
Principal

By_____

.....
Title

APPROVED AS TO FORM:
/s/ Richard D. Jones
City Attorney

FAITHFUL PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That we,_____

_____hereinafter referred to as

"Contractor", as principal, and_____

_____as surety, are held and firmly

bound unto City of La Habra in the sum of _____

_____

Lawful money of the United States of America for the payment of which sum well and truly to be made we bind ourselves jointly and severally, firmly by these presents.

The condition of the foregoing obligation is such that WHEREAS, said Contract has been awarded and is about to enter into the annexed contract with City of La Habra for construction of Street Improvements as specifically set forth in the documents entitled:

WOMEN'S CLUB PARK PROJECT
CITY PROJECT NO. 1-P-22

and is required under the terms of the Contract to give this bond in connection with the execution of said contract.

NOW, THEREFORE, if the said Contractor shall well and truly do and perform all of the covenants and obligations of said contract on his part to be done and performed at the times and in the manner specified herein, then this obligation shall be null and void, otherwise it shall be and remain in full force and effect.

PROVIDED, that any alterations in the work to be done or the materials to be furnished which may be made pursuant to the terms of said Contract shall not in any way release either the Contractor or the surety thereunder nor shall any extensions of time granted under the provisions of said Contract release either the Contractor or the surety, and notice of such alterations or extensions of the Contract is hereby waived by the surety.

WITNESS our hands this_____day of_____, 2024.

_____
Contractor

BY: _____

(Seal)

_____
Title

APPROVED:

_____
Surety

_____ BY: _____
(Seal)

Mailing Address of Surety:

_____

_____

_____

_____
Telephone Number of Surety

(Use of City form is required)

SUPPLEMENTAL INFORMATION TO BE COMPLETED BY PRINCIPAL

If an individual, so state. If a firm or co-partnership, state the firm and give the names of all individual co-partners composing the partnership. If a Corporation, state legal name of corporation; state also the names of the president, secretary, treasurer and manager thereof.

_____
_____
_____

Business Address: _____
_____
_____

Telephone Number: _____

Date: _____

Print Name: _____
Principal

Signature: _____
Title

(Use of City form
is required)

TAX IDENTIFICATION NUMBER

The Tax Equity and Fiscal Responsibility Act of 1982 requires the payer (City of La Habra) to report to the Internal Revenue Service taxable payments to payees.

You (as a payee) are required by law to provide us with your Taxpayer Identification Number (if an individual or partnership, your Social Security Number). If you do not provide us with your correct identification number, you may be subject to a penalty imposed by the Internal Revenue Service. The payments subject to withholdings may include, but are not limited to, interest, dividends, or other payments the City of La Habra made to you. Other payments may include rents, royalties, commissions and fees for service of non-employees.

If you are exempt from income tax, we are still required, by law, to maintain a Tax Identification Number on file. **PLEASE PROVIDE YOUR TAX IDENTIFICATION NUMBER next to the appropriate listing below, sign, date and return to:**

CITY OF LA HABRA FINANCE DEPARTMENT
110 E. La Habra Blvd.
La Habra, CA 90631

Exempt: Yes___ No___ Telephone ( ) _____

CORPORATION:_____

U.S.A. OR ANY AGENCIES THEREOF:_____

IRS CODE #501 TAX-EXEMPT ORGANIZATION:_____

A NON-COMMISSIONED CITY OF LA HABRA EMPLOYEE:_____

SOLE PROPRIETOR:_____

A PARTNERSHIP:_____

OTHER: _____(Explain)

Signature/Title: _____ Date:_____

BID GUARANTEE
TO THE CITY OF LA HABRA
PROJECT NO. 1-P-22

As a material inducement to the City to award the contract for Project No. _____to _____, the undersigned ("Guarantor") has agreed to enter into this guarantee. The Guarantor hereby unconditionally guarantees to the fullest extent allowed by law the following work included in this project: _____("the work").

Guarantor guarantees that the materials and equipment used by itself and its subcontractors will be free from defects and that the work will conform to the plans and specifications. Should any of the materials or equipment prove defective or should the work as a whole, or any part thereof, prove defective for any reason whatsoever (except due to intentional torts by the City), or should the work as a whole or any part thereof fail to operate properly or fail to comply with the plans and specifications, Guarantor will, at the City's sole election: 1) reimburse the City, upon written demand, for all of the City's expenses incurred replacing or restoring any such equipment or materials, including the cost of any work necessary to make such replacement or repairs; or 2) replace any such defective material or equipment and repair said work completely, all without any cost to the City. Guarantor further guarantees that any such repair work will conform to the plans and specifications for the project. This guarantee will remain in effect for one years from the date on which the contracted for work is accepted for use by the City.

Guarantor understands and agrees that the City shall have the unqualified option to make any replacements or repairs itself or to have such replacement, repair, performed by the undersigned. The City shall have no obligation to consult with Guarantor before the City proceeds to perform any repair, replacement, or work itself. If the City elects to have Guarantor perform said repair, replacement, or work, Guarantor agrees that the repair, replacement, or work shall be performed within 15 days after receipt of a written demand from the City.

If the City elects to perform the replacement, repairs itself, Guarantor agrees to make reimbursement payment within 15 days after receipt of a written demand for payment from the City.

If the Guarantor fails or refuses to comply with this guarantee, the City shall be entitled to all costs and expenses, including attorneys and expert fees, reasonably incurred by reason of Guarantor's failure or refusal.

Guarantor:_____ Date:_____

Contractor:_____ By:_____

Title:_____

STATEMENT OF NON COLLUSION BY CONTRACTOR

The undersigned who submits herewith to the City of La Habra a bid or proposal does hereby certify:

a. That all statements of fact in such bid or proposal are true;
b. That such bid or proposal was not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization or corporation;
c. That such bid or proposal is genuine and not collusive or sham;
d. That said bidder has not, directly or indirectly by agreement, communication or conference with anyone, attempted to induce action prejudicial to the interest of the City of La Habra or of any other bidder or anyone else interested in the proposed procurement;
e. Did not, directly or indirectly, collude, conspire, connive or agree with anyone else that said bidder or anyone else would submit a false or sham bid or proposal, or that anyone should refrain from bidding or withdraw his bid or proposal;
f. Did not in any manner, directly or indirectly seek by agreement, communication or conference with anyone to raise or fix the bid or proposal price of said bidder or of anyone else, or to raise or fix any overhead, profit or cost element of his bid or proposal price, or that of anyone else;
g. Did not, directly or indirectly, submit his bid or proposal price or any breakdown thereof, or the contents thereof, or divulge information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member agent thereof, or to any individual or group of individuals, except to the City of La Habra, or to any person or persons who have a partnership or their financial interest with said bidder in his business.
h. Did not provide, directly or indirectly to any officer or employee of the City of La Habra any gratuity, entertainment, meals, or anything of value, whatsoever, which could be objectively construed as intending to invoke any form of reciprocation or favorable treatment.
i. That no officer or principal of the undersigned firm is related to any officer or employee of the city by blood or marriage within the third degree or is employed, either full or part time, by the City of La Habra either currently or within the last two (2) years.
j. That no officer or principal of the undersigned firm nor any subcontractor to be engaged by the principal has been convicted by a court of competent jurisdiction of any charge of fraud, bribery, collusion, conspiracy or any other act in violation of any state or federal antitrust law in connection with the bidding upon award of, or performance of, any public work contract, with any public entity, within the last three years.

I certify, under penalty of perjury under the laws of the State of California, that the foregoing is true and correct and that this certification was executed:

On _____ at _____ California.

Firm _____ _____
(Signature)

Street _____ _____
(Print Name & Title)

City _____ State _____ Zip _____

CERTIFICATION OF COMPLIANCE

AFFIRMATIVE ACTION REQUIREMENTS

EQUAL EMPLOYMENT OPPORTUNITY

For

WOMEN'S CLUB PARKS PROJECT
CITY PROJECT NO. 1-P-22

_____Certifies that:
(Contractor)

It has adopted and approved affirmative action plan in compliance with Title VII of the Civil Rights Act and the Equal Employment Opportunity Act of 1972 and agrees to submit a copy of that plan to the Assistant to the City Manager/Personnel of the City of La Habra for inspection prior to the award of contract.

Signed: _____

By: _____

Title: _____

Date: _____

EXHIBIT A

SCOPE OF SERVICES

EXHIBIT B
INSURANCE REQUIREMENTS

Contractor shall maintain and shall require all of its subcontractors, consultants, and other agents to maintain the insurance listed below. Any requirement for insurance to be maintained after completion of the work shall survive this agreement.

CITY reserves the right to review any and all of the required insurance policies and/or endorsements, but has no obligation to do so. Failure to demand evidence of full compliance with the insurance requirements set forth in this agreement or failure to identify any insurance deficiency shall not relieve Contractor from, nor be construed or deemed a waiver of, its obligation to maintain the required insurance at all times during the performance of this agreement.

A. Workers Compensation & Employers Liability Insurance
   - Workers Compensation insurance with statutory limits as required by the Labor Code of the State of California.
   - Employers Liability with limits of $1,000,000 per Accident; $1,000,000 Disease per employee; $1,000,000 Disease per policy.
   - The policy shall include a written waiver of the insurer's right to subrogate against CITY.
   - Required Evidence Of Coverage:
     1. Subrogation waiver endorsement; and
     2. Properly completed Certificate of Insurance.

B. General Liability Insurance
   - Commercial General Liability Insurance no less broad than Insurance Services Office (ISO) form CG 00 01.
   - Coverage shall be on a standard occurrence form. Claims-Made forms are not acceptable without prior written consent. Modified, limited or restricted Occurrence forms are not acceptable without prior written consent.
   - Minimum Limits: $2,000,000 per Occurrence; $4,000,000 General Aggregate; $4,000,000 Products/Completed Operations Aggregate. The General Aggregate shall apply separately to each project. The required limits may be provided by a combination of General Liability Insurance and Commercial Excess or Umbrella Liability Insurance. If contractor maintains higher limits than the specified minimum limits, CITY requires and shall be entitled to coverage for the higher limits maintained by contractor.
   - Any deductible or self-insured retention shall be shown on the Certificate of Insurance. If the deductible or self-insured retention exceeds $25,000 it must be approved in advance by CITY. Contractor is responsible for any deductible or self-insured retention and shall fund it upon CITY'S written request, regardless of whether Contractor has a claim against the insurance or is named as a party in any action involving CITY.
   - Coverage shall be continued for one (1) year after completion of the work.
   - CITY shall be endorsed as an additional insured for liability arising out of ongoing and completed operations by or on behalf of the contractor. CITY shall continue to be an additional insured for completed operations for (1) year after completion of the work.
   - The policy definition of "insured contract" shall include assumptions of liability

arising out of both ongoing operations and the products-completed operations hazard ("f" definition of insured contract in ISO form CG 00 01, or equivalent).

- The insurance provided to the additional insureds shall be primary to, and non-contributory with, any insurance or self-insurance program maintained by them.
- The policy shall cover inter-insured suits and include a "Separation of Insureds" or "severability" clause which treats each insured separately.
- The policy shall be endorsed to include a written waiver of the insurer's right to subrogate against all persons or entities that are, or are required to be, additional insureds.
- The policy shall not contain a Contractors' Warranty or other similar language which eliminates or restricts insurance because of a subcontractor's failure to carry specific insurance or to supply evidence of such insurance.
- Required Evidence of Coverage:
    1. Copy of the additional insured endorsement or policy language granting additional insured status;
    2. Copy of the endorsement or policy language indicating that coverage applicable to the additional insureds is primary and non-contributory;
    3. Properly completed Certificate of Insurance; and
    4. Completed and signed Agent/Broker Questionnaire with supporting documentation as required.

C. Automobile Liability Insurance

- Minimum Limit: $1,000,000 combined single limit per accident.
- Coverage shall apply to all owned, hired and non-owned vehicles.
- CITY shall qualify as an insured.
- Required Evidence of Coverage:
    1. Copy of the endorsement or policy language indicating that CITY is an insured; and
    2. Properly completed Certificate of Insurance.

D. Surety Bonds

- Bid bond.
- Performance and payment bonds for the entire contract price.
- The surety must be authorized to issue these bonds in the State of California.

E. Standards for Insurance Companies

- Insurers, other than the California State Compensation Insurance Fund, shall have an A.M. Best's rating of at least A:VII.

F. Documentation

- The Certificate of Insurance shall include the following reference: [_____]
- The name and address for Additional Insured endorsements and Certificates of Insurance is: City of La Habra
- Contractor shall provide immediate written notice if: (1) any of the required insurance policies is terminated; (2) the limits of any of the required policies are reduced; or (3) the deductible or self-insured retention is increased.

- Current Evidence of Coverage shall be provided for the entire required period of insurance.
- Upon written request, certified copies of required insurance policies shall be provided within thirty (30) days.

EXHIBIT C

CERTIFICATES OF INSURANCE AND ENDORSEMENTS

EXHIBIT D

CLAIMS PROCEDURE

SUMMARY OF PUBLIC CONTRACT CODE § 9204

The following procedure will apply to any claims by the Contractor on the City:

A "claim" is a separate demand on the City by a contractor on a public works project and sent by registered mail or certified mail with return receipt requested, for one or more of the following:

- A time extension, including relief from penalties for delay
- Payment by the City of money damages under the terms of the contract
- Payment of an amount that is disputed by the City

Initial Review

The claim must be supported by appropriate documentation. The City has 45 days within which to review the claim and provide the contractor with a written statement identifying the disputed and undisputed portions of the claim. If the City does not issue a written statement, the claim is deemed rejected in its entirety. The City will pay any undisputed portion of the claim within 60 days of issuing the statement.

Meet & Confer

If the contractor disputes the City's written response, or if the City does not issue one, the contractor may request in writing an informal conference to meet and confer for possible settlement of the claim. The City will schedule the meet and confer conference within 30 days of this request and provide a written statement identifying the remaining disputed and undisputed portions of the claim within 10 business days of the meet and confer. The City will pay the undisputed portion within 60 days of issuing this statement.

Mediation

With respect to any disputed portion remaining after the meet and confer, the City and contractor will submit the matter to nonbinding mediation, agree to a mediator within 10 business days after issuing the written statement, and share mediation costs equally. If mediation is unsuccessful, then the terms of the public works agreement and applicable law will govern resolution of the dispute.

Miscellaneous Provisions

Amounts not paid by the City in a timely manner bear interest at 7% per annum. Subcontractors may submit claims via this procedure through the general contractor. The City and contractor may waive the requirement to mediate, but cannot otherwise waive these claim procedures.

APPENDIX “A”

WOMEN’S CLUB PARK PROJECT PLANS
PROJECT NO. 1-P-22

APPENDIX A

WOMEN'S CLUB PARK DRAWINGS

200 WEST GREENWOOD AVENUE
CITY OF LA HABRA, CA

NOTES

TROLLER MAYER ASSOCIATES, INC. (TMA) HAS TAKEN CARE TO RESEARCH APPLICABLE CODES AND REQUIREMENTS IN PREPARING THESE DRAWINGS AND IS NOT RESPONSIBLE FOR CHANGES TO SUCH OCCURRING AFTER AGENCY APPROVAL OR DURING INSTALLATION.

AS REQUESTED BY THE CITY/OWNER, TMA WILL VISIT THE SITE AT INTERVALS APPROPRIATE TO THE STAGE OF CONSTRUCTION TO REVIEW THE PROGRESS AND QUALITY OF WORK AND TO DETERMINE IN GENERAL IF THE WORK IS BEING PERFORMED IN A MANNER INDICATING THAT THE WORK, WHEN COMPLETED, WILL BE IN SUBSTANTIAL CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. HOWEVER, TMA WILL NOT MAKE EXHAUSTIVE OR CONTINUOUS ON-SITE INSPECTION TO CHECK QUALITY OF THE WORK.

TMA IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, SINCE THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY. TMA IS NOT RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONSTRUCTION CONTRACT DOCUMENTS, NOR RESPONSIBLE FOR ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR THEIR AGENTS OR EMPLOYEES, OR OF ANY OTHER PERSONS PERFORMING PORTIONS OF THE WORK.
THERE IS NO WARRANTY OR GUARANTEE EITHER EXPRESSED OR IMPLIED BY TMA FOR THE COMPLETION OF THE WORK OR THE QUALITY OF PERFORMANCE OF THE CONSTRUCTION CONTRACTOR(S).

IN THE EVENT CITY/OWNER CONSENTS TO, ALLOWS, AUTHORIZES OR APPROVES OF CHANGES TO ANY PLANS, SPECIFICATIONS, OR OTHER CONSTRUCTION DOCUMENTS, AND THESE ALTERATIONS ARE NOT APPROVED IN WRITING BY TMA, CITY/OWNER RECOGNIZES THAT SUCH ALTERATION AND THE RESULTS THEREOF ARE NOT THE RESPONSIBILITY OF TMA. IN ADDITION, CITY/OWNER AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD TMA HARMLESS FROM ANY DAMAGE, LIABILITY OR COST (INCLUDING REASONABLE ATTORNEY'S FEES AND COSTS OF DEFENSE) ARISING FROM SUCH ALTERATIONS.

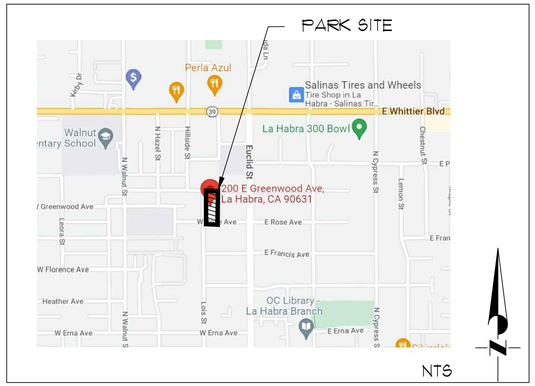
THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM AVAILABLE RECORDS AT THE TIME THE PLANS WERE DRAFTED AND DO NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OR THE EXISTENCE OR NON- EXISTENCE OF SUCH UTILITIES. IN CALIFORNIA, CONTRACTOR SHALL CONTACT UNDERGROUND SERVICES ALERT AT 1-800-227-2600 PRIOR TO PERFORMING ANY CONSTRUCTION WORK. IN OTHER AREAS, CONTRACTOR SHALL CONTACT A SIMILAR AGENCY/ORGANIZATION.

CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE CONTRACTOR'S BEST SKILL AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK.

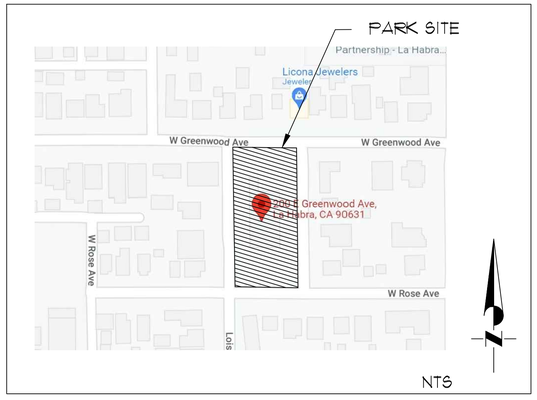
CONTRACTOR SHALL BE RESPONSIBLE TO THE CITY/OWNER FOR ACTS AND OMISSIONS OF THE CONTRACTOR'S EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND OTHER PERSONS PERFORMING PORTIONS OF THE WORK UNDER A CONTRACT WITH CONTRACTOR.

CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE PERFORMANCE OF THE CONSTRUCTION CONTRACT.

VICINITY MAP



KEY MAP



PROJECT TEAM

LANDSCAPE ARCHITECT
TROLLER MAYER ASSOCIATES, INC.
(310) 738-2088

CIVIL ENGINEER
CCE DESIGN ASSOCIATES, INC.
(805) 738-5434

ELECTRICAL ENGINEER
JMPE ELECTRICAL ENGINEERING
(805) 569-9216

DRAWING INDEX

LANDSCAPE

T1.1	TITLE SHEET
L1.1	CONSTRUCTION PLAN
L1.3	CONSTRUCTION DETAILS
L1.4	CONSTRUCTION DETAILS
L1.5	CONSTRUCTION DETAILS
L2.0	HYDROZONE PLAN
L2.1	IRRIGATION PLAN
L2.2	IRRIGATION DETAILS
L2.3	IRRIGATION DETAILS
L3.1	TREE PLANTING PLAN
L3.2	SHRUB PLANTING PLAN
L3.3	PLANTING DETAILS & SOILS REPORT
L4.1	SPECIFICATIONS
L4.2	SPECIFICATIONS
L4.3	SPECIFICATIONS
L4.4	SPECIFICATIONS

CIVIL

C1	COVER SHEET
C2	GRADING & DRAINAGE PLAN
C3	EROSION CONTROL PLAN
C4	DETAILS
C5	DETAILS

ELECTRICAL

E-1	GENERAL NOTES, CODES, SINGLE LINE DIAGRAM
E-2	SITE LIGHTING PLAN
E-3	SITE PHOTOMETRIC PLAN
E-4	ELECTRICAL SPECIFICATIONS
E-5	ELECTRICAL SPECIFICATIONS

GOVERNING AGENCY

CITY OF LA HABRA MUNICIPAL CODE

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23545 Crenshaw Blvd., Suite 211
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Ph:(310) 738-2088
E-mail: jmassoud@trollermayer.com

REGISTERED LANDSCAPE ARCHITECT
RICHARD W. MAYER NO. 1517
Signature
12-31-2024
Renewal Date
12-08-2018
Date
STATE OF CALIFORNIA

WOMEN'S CLUB PARK

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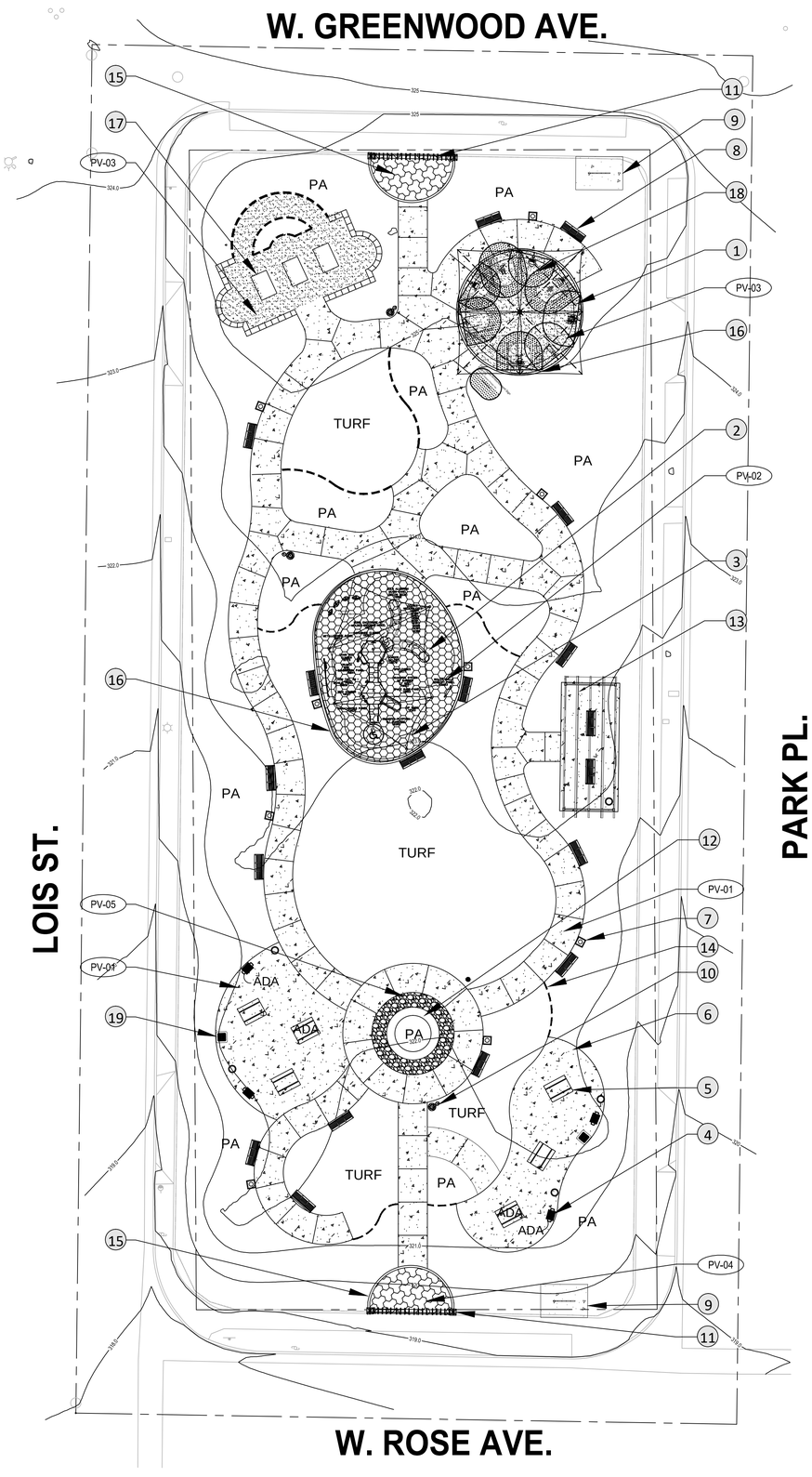
TITLE SHEET

SHEET NUMBER:

T1.1



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11. UNLESS DESIGNATED ON THE DRAWINGS OTHERWISE, MATERIALS TO BE PURCHASED AND FURNISHED BY THE CONTRACTOR SHALL BE NEW.
12. FOR GRADING AND DRAINAGE REFER TO CIVIL PLANS SHEET C2.

ABBREVIATION LEGEND

PA - PLANTING AREA

KEYNOTES LEGEND

1. FITNESS EQUIPMENT BY GREENFIELDS - 949.424.8857 www.gfoutdoorfitness.com
   CONTACT NAME: FRANK VASQUEZ
   REFER TO DETAIL SHEET L1.7
2. PLAY STRUCTURE / TOT LOT BY GREAT WESTERN RECREATION
   - 805-910-5971 brandon@gwpark.com
   CONTACT NAME: BRANDON SEITZ
   REFER TO DETAIL SHEET L1.6
3. SHADE STRUCTURE (TOT LOT AREA) BY GREAT WESTERN RECREATION
   1-805-910-5971 brandon@gwpark.com
   CONTACT NAME: BRANDON SEITZ
4. BBQ GRILLS BY GREAT WESTERN RECREATION -805-910-5971 brandon@gwpark.com
   CONTACT NAME: BRANDON SEITZ
   REFER TO DETAIL 7&8 / SHEET L1.5 (ADA GRILL - 2 TOTAL)
5. PICNIC TABLE BY GREAT WESTERN RECREATION - 1-805-910-5971 brandon@gwpark.com
   CONTACT NAME: BRANDON SEITZ
   MODEL: P64-R6 AND P64H-R8 (ADA ACCESSIBLE)
   REFER TO DETAIL 2&3 / SHEET L1.5 (ADA TABLE - 2 TOTAL)
6. TRASH RECEPTACLE BY GREAT WESTERN RECREATION - 1-805-910-5971
   brandon@gwpark.com CONTACT NAME: BRANDON SEITZ
   REFER TO DETAIL 4 / SHEET L1.5
7. CONCRETE TRASH RECEPTACLES BY QCP www.qcp-corp.com
   MODEL#: QS-CAL2534W-C21 / COLOR: LATTE
   REFER TO DETAIL 5 / SHEET L1.5
8. BENCH WITH ARM RESTS BY GREAT WESTERN RECREATION - 1-805-910-5971
   brandon@gwpark.com CONTACT NAME: BRANDON SEITZ
   REFER TO DETAIL 6 / SHEET L1.3 & DETAIL 6 / SHEET L1.5
9. BIKE RACK BY GREAT WESTERN RECREATION
   1-805-910-5971 brandon@gwpark.com
   CONTACT NAME: BRANDON SEITZ
   REFER TO DETAIL 1 / SHEET L1.4
10. DRINKING FOUNTAIN BY MOST DEPENDABLE FOUNTAINS
    800-552-633 www.mostdependable.com
    MODEL: 440 SM WITH PET FOUNTAIN COLOR: GREEN
    REFER TO DETAIL 10 / SHEET L1.3
11. SPLIT FACE CMU PILASTERS WITH TRELLIS
    SPLIT FACE CMU BY ANGELUS BLOCK CO INC. 818-767-8576 www.angelusblock.com
    CMU COLOR: HARVEST GROUT COLOR: GRAY
    REFER TO DETAIL 8,9 & 10/ SHEET L1.4
12. SEAT WALL - REFER TO DETAIL 6 & 7 / SHEET L1.4
13. POLIGON SHELTER BY GREAT WESTERN RECREATION
    1-805-910-5971 brandon@gwpark.com
    CONTACT NAME: BRANDON SEITZ
    MODEL#: REK-16X34 - REFER TO DETAIL 1 / SHEET L1.5
14. ALUMINUM EDGING - REFER TO DETAIL 5 / SHEET L1.3
15. CONCRETE BANDING - REFER TO DETAIL 3 / SHEET L1.4
16. 6" CONCRETE MOW CURB - REFER TO DETAIL 8 / SHEET L1.3
17. RAISED PLANTER - REFER TO DETAIL 4 & 5 / SHEET L1.4
18. SHADE STRUCTURE (FITNESS AREA) BY GREENFIELDS - 949.424.8857
    www.gfoutdoorfitness.com CONTACT NAME: FRANK VASQUEZ
    REFER TO DETAIL 12/ SHEET L1.7
19. HOT COAL RECEPTACLE 300CR BY OUTDOOR CREATIONS INC. - 530.365.6106
    REFER TO DETAIL 2/ SHEET L1.6

PAVING SCHEDULE

SYMBOL		ITEM	COLOR/FINISH	COMMENTS	DETAIL
	PV-01	CAST-IN-PLACE CONCRETE PAVING	COLOR: NATURAL GRAY FINISH: LIGHT BROOM	PROVIDE THREE (3) 4'X4' MOCKUPS TO GIVE A RANGE OF FINISHES FOR REVIEW & APPROVAL	DETAIL #1 & #2 / SHEET L1.3
	PV-02	PIP RUBBER SURFACE	MODEL:TOTOTURF COLOR: XXX AVAIL. FROM ROBERTSON INC. 800.858.0519 www.totturf.com	PROVIDE SAMPLES AND MOCKUP FOR APPROVAL	DETAIL #8 / SHEET L1.3
	PV-03	STABILIZED DECOMPOSED GRANITE	COLOR: CALIFORNIA GOLD AVAIL. FROM SOUTHWEST BOULDER	PROVIDE SAMPLES AND MOCKUP FOR APPROVAL	DETAIL #4 / SHEET L1.3
	PV-04	PRECAST PAVERS	MODEL: ANTIQUE COBBLE I COLOR: CREAM-BROWN-CHARCOL AVAIL. FROM ANGELUS PAVERS 951.328.9115 www.angeluspavingstones.com	PROVIDE SAMPLES AND MOCKUP FOR APPROVAL	DETAIL #3/ SHEET L1.3
	PV-05	CONCRETE PAVING W/ NATURAL PEBBLES	CONCRETE COLOR: NATURAL GRAY	PROVIDE SAMPLES AND MOCKUP FOR APPROVAL	DETAIL #2/ SHEET L1.4

NORTH

16 0 16 32 48

GRAPHIC SCALE –1/16" = 1'–0"

A CARING COMMUNITY EST. 1925 CITY OF LA HABRA

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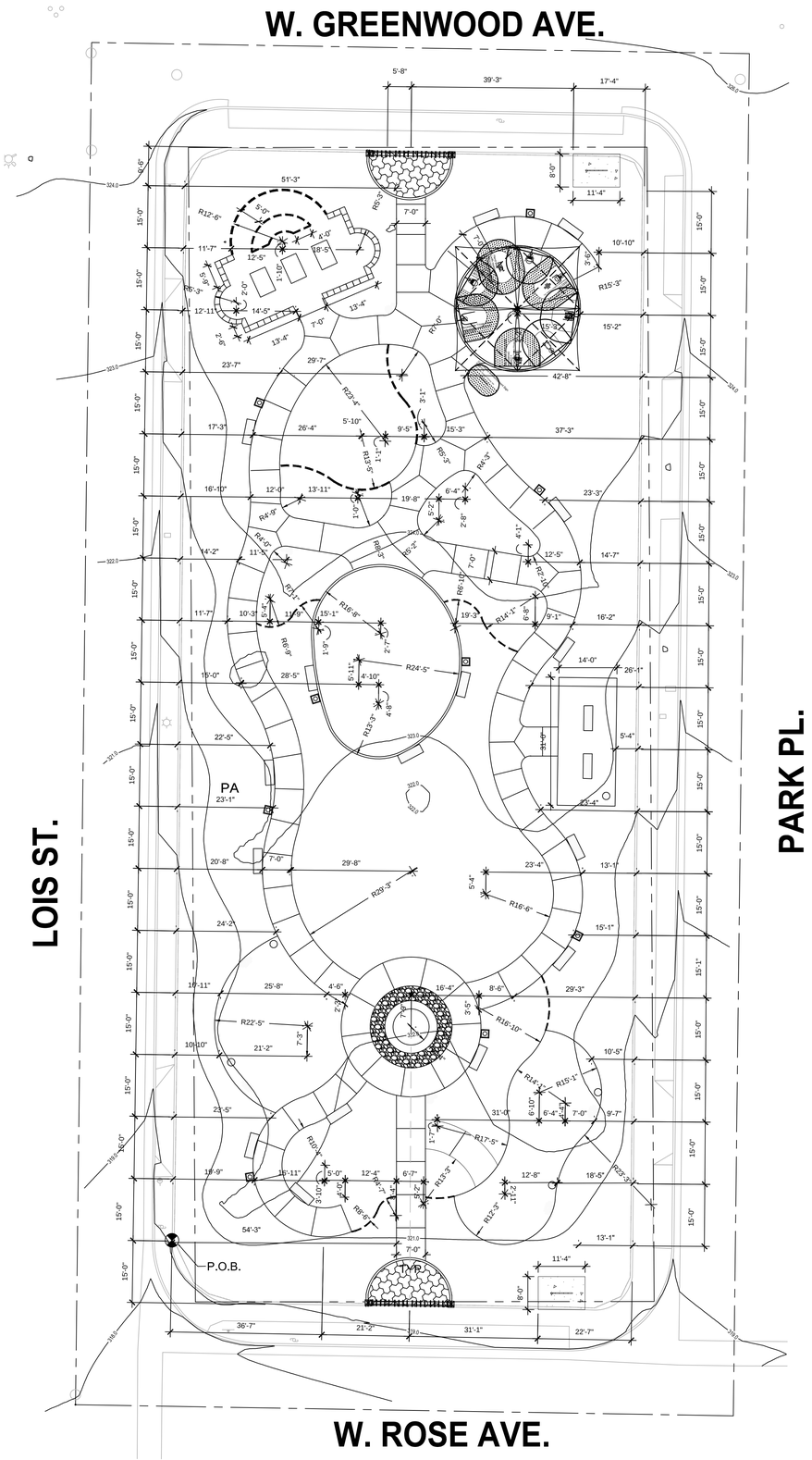
CONSTRUCTION PLAN

SHEET NUMBER:

L1.1



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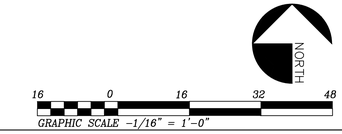

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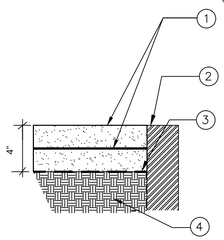
CONSTRUCTION LAYOUT PLAN

SHEET NUMBER:

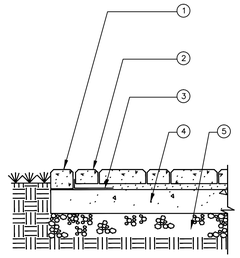
L1.2



1. STABILIZED DECOMPOSED GRANITE - LAY DOWN IN TWO -2" LIFTS. SEE LANDSCAPE SPECIFICATIONS ON SHEET L4.3
2. CONCRETE MOW CURB - FLUSH WITH DECOMPOSED GRANITE. SEE DETAIL8ON THIS SEET.
3. FILTER FABRIC MIRAFI 140N OR APPROVED EQUAL
4. UNDISTURBED NATIVE GRADE OR SOILS WITH A MINIMUM RELATIVE COMPACTION OF 90%

NOT TO SCALE

STABILIZED DECOMPOSED GRANITE | 4

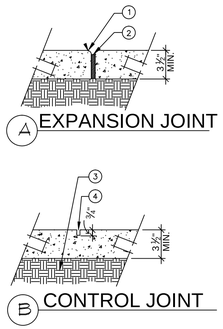


1. FASTENED TO CONCRETE SLAB W/ POLYMER ADHESIVE
2. CONCRETE PAVERS - FILL INSIDE BORDER PAVERS
3. GEOTEXTILE - 12" WIDE - TURN UP AGAINST BORDER PAVERS
4. CONCRETE SLAB 4" MIN. THICKNESS
5. 4" OF AGGREGATE BASE

NOTE:
CONCRETE SLAB SHOULD BE FREE OF CRACKS AND HEAVING. COVER CRACKS WITH GEOTEXTILE.

NOT TO SCALE

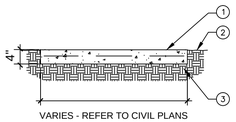
DECORATIVE PAVERS | 3



1. 1/2" RADIUS
2. 3"x1/2" POLYFELT EXPANSION JOINT (TYPICAL). TOP WITH 2 PART SELF-LEVELING SEALER.
3. NATIVE SUBGRADE OR CERTIFIED COMPACTED FILL
4. SAW CUT CONTROL JOINT

NOT TO SCALE

CONCRETE PAVING JOINTS | 2

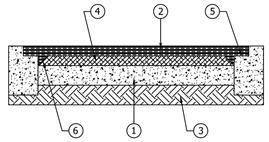


1. CONCRETE PAVING PER CIVIL PLANS.
2. FINISH SURFACE OF CONCRETE PAVING SHALL BE: FLUSH WITH DECOMPOSED GRANITE, 1" ABOVE FINISH GRADE
3. COMPACTED SUBGRADE PER CIVIL PLANS. SEE DETAIL #1 ON SHEET C4.

NOTES:
1. CONCRETE SHALL BE NATURAL GRAY COLOR & MEDIUM BROOM FINISH
2. EXPANSION / CONTROL JOINTS SHALL BE PER DETAIL 2 ON THIS SHEET.

NOT TO SCALE

CONCRETE PAVING | 1

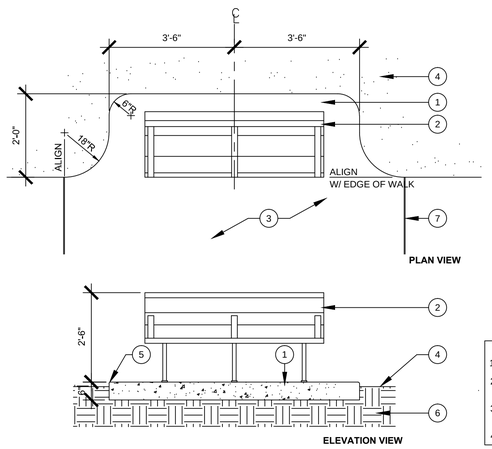


KEYNOTES

1. SUB-BASE OPTIONS PER ADA GUIDELINES: (1) COMPACTED AGGREGATE - 4" OF 3/4" ASNLS 3000(GLAM) STONE WITH FINES COMPACTED TO 95% IN 2" WATERED LIFTS. (2) CONCRETE - MINIMUM OF 3.4" AT A MINIMUM 2500 PSI, MUST CURE FOR 7 DAYS PRIOR TO CUSHION LAYER. MUST CURE FOR 28 DAYS IF WEAR COURSE IS TO BE APPLIED DIRECTLY TO CONCRETE SURFACE. (3) ASPHALT - MUST CURE A MINIMUM OF 14 DAYS, POWER WASHED
2. WEAR COURSE - 1/2" INCH MINIMUM THICKNESS
3. EXISTING SOLID COMPACTED DIRT
4. SBR CUSHION LAYER (DEPTH VARIES BY CRITICAL FALL HEIGHT REQUIREMENTS AND PRODUCT SOLD)
5. CONCRETE BORDERS WITH 1/2" DEEP, 2" WIDE INSTALLATION KEYWAY
6. 1-1/2" BEVEL

NOT TO SCALE

P.I.P. RUBBER SURFACE | 7

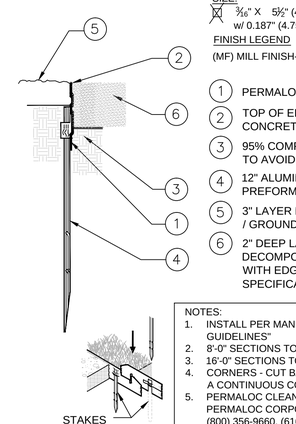


1. C.I.P. CONCRETE PAD - CONCRETE PAD SHALL BE FLUSH W/ FINISH SURFACE OF ADJACENT CONCRETE PAVING, COLOR AND FINISH TO MATCH.
2. BENCH W/ ARM RESTS AT BOTH ENDS AND MIDDLE (3 TOTAL), ALIGN W/ CENTERLINE OF CONCRETE PAD. REFER TO L1.1 FOR SPEC. MOUNTING PER MANUFACTURER'S SPECIFICATION
3. CONCRETE PAVING. REFER TO SHEET L1.1 FOR COLOR AND FINISH.
4. ADJACENT PLANTING AREA, 1 1/2" BELOW FINISH SURFACE @ TURF AREAS AND 2" IN PLANTING AREAS
5. ½" RADIUS TOOLED OUTER EDGE - TYPICAL
6. 95% COMPACTED SUBGRADE AT 4" THICKNESS
7. EXPANSION JOINT

NOTES:
1. EXPANSION JOINTS SHALL BE LOCATED AS SHOWN ON THE CONSTRUCTION PLAN
2. FINISH SURFACE SHALL BE OF CONCRETE PAD SHALL BE TOPCAST RETARDANT FINISH, NATURAL CONCRETE COLOR & SHALL RECEIVE A 1/2% MIN.- 2% MAX. GRADIENT TO DRAIN.
3. FINAL ORIENTATION AND LOCATION OF BENCH SHALL BE REVIEWED & APPROVED PRIOR TO CONSTRUCTION.
4. REFER TO DETAIL 6 ON SHEET L1.5 FOR BENCH INSTALLATION & SPECS.

NOT TO SCALE

BENCH W/ CONCRETE PAD | 6



ISOMETRIC VIEW

SIZE:
⅜" X 5½" (4.8MM X 140MM), 0.116" (2.95MM) THICK w/ 0.187" (4.75MM) EXPOSED TOP LIP

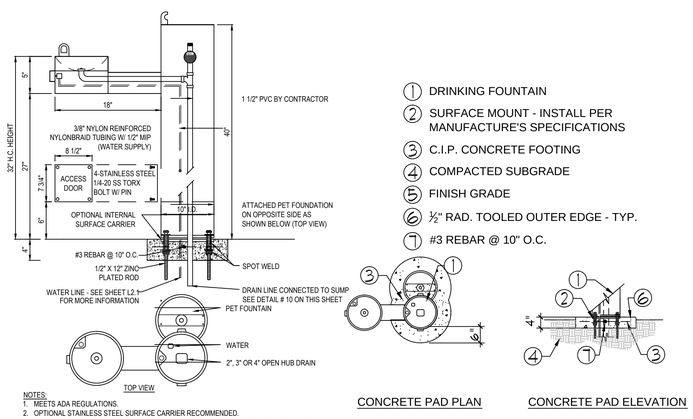
FINISH LEGEND
(MF) MILL FINISH-NATURAL ALUMINUM

1. PERMALOC CLEANLINE ALUMINUM EDGING
2. TOP OF EDGING TO BE FLUSH WITH CONCRETE CURB
3. 95% COMPACTED SOIL ADJACENT TO EDGING TO AVOID SETTLING
4. 12" ALUMINUM STAKES TO LOCK INTO PREFORMED LOOPS ON THE EDGING
5. 3" LAYER MULCH BETWEEN SHRUBS / GROUNDCOVER
6. 2" DEEP LAYER OF STABILIZED DECOMPOSED GRANITE - FLUSH WITH EDGE- SEE LANDSCAPE SPECIFICATIONS ON SHEET L4.3

NOTES:
1. INSTALL PER MANUFACTURER'S "INSTALLATION GUIDELINES"
2. 8'-0" SECTIONS TO INCLUDE (3) 12" ALUMINUM STAKES.
3. 16'-0" SECTIONS TO INCLUDE (5) 12" ALUMINUM STAKES.
4. CORNERS - CUT BASE EDGING UP HALFWAY AND FORM A CONTINUOUS CORNER.
5. PERMALOC CLEANLINE AS MANUFACTURED BY PERMALOC CORPORATION, HOLLAND MI. (800) 356-9660, (616) 399-9600
6. CONTRACTOR'S NOTE: FOR PRODUCT AND PURCHASING INFORMATION VISIT:WWW.PERMALOC.COM

NOT TO SCALE

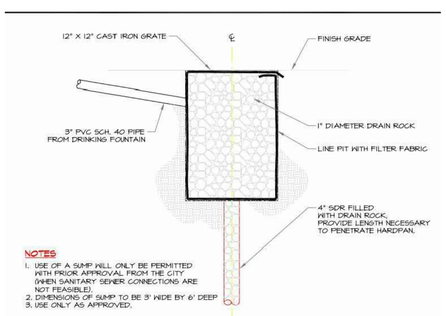
ALUMINUM EDGING | 5



NOTES:
1. MEETS ADA REGULATIONS.
2. OPTIONAL STAINLESS STEEL SURFACE CARRIER RECOMMENDED.
3. SHOWN WITH OPTIONAL 10 STAINLESS STEEL SURFACE CARRIER, ATTACHED PET FOUNTAIN.
4. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

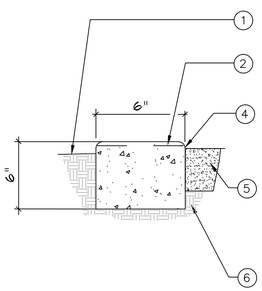
NOT TO SCALE

DRINKING FOUNTAIN W/ PET FOUNTAIN | 10



NOT TO SCALE

DRINKING FOUNTAIN SUMP | 9



1. 1" IN TURF AND 2" IN SHRUB / GROUNDCOVER AREA
2. CONSTRUCT 1/2" DEEP SCORE LINE ACROSS MOW STRIP AT 4' O.C.
4. NATURAL COLOR CONCRETE MOWSTRIP WITH MEDIUM BROOM FINISH & 1/2" RADIUS AT EXPOSED EDGES ONLY. PROVIDE SAWCUTS 8' O.C.
5. P.I.P. RUBBER OR DECOMPOSED GRANITE SURFACE SHALL BE FLUSH WITH FINISH SURFACE OF CONCRETE MOW STRIP. SEE DETAIL8 ON THIS SHEET FOR P.I.P. RUBBER SURFACE.
6. UNDISTURBED NATIVE GRADE OR SOILS BELOW CONCRETE FLATWORK WITH A MINIMUM RELATIVE COMPACTION OF 90%

NOT TO SCALE

6" CONCRETE MOW STRIP | 8

Troller Mayer Associates, Inc
Landscape Architecture Planning Urban Design
1403 Kenneth Road, Suite B
Glendale, Ca 91201-1421
23545 Crenshaw Blvd., Suite 211
Torrance, CA 90505
Ph:(310) 738-2088
E-mail: jmassoud@trollermayer.com

REGISTERED LANDSCAPE ARCHITECT
RICHARD W. MAYER No. 1517
Signature
12-31-2024
Renewal Date
12-08-2018
Date
STATE OF CALIFORNIA

WOMEN'S CLUB PARK

200 WEST GREENWOOD AVENUE
LA HABRA, CA 90631

ISSUES / REVISIONS

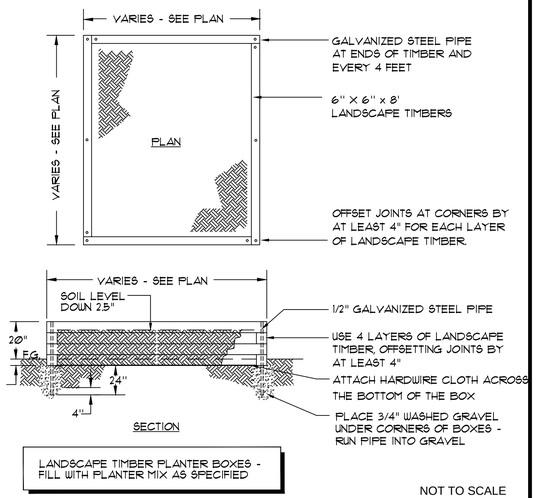
No.	DATE	DESCRIPTION
1	11/30/22	1ST CITY PLAN CHECK REVIEW
2	02/17/23	2ND CITY PLAN CHECK SUBMITTAL
3	06/08/23	100% CD SUBMITTAL
4	09/08/23	100% CD SUBMITTAL
5	12/08/23	100% CD SUBMITTAL

JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:

CONSTRUCTION DETAILS

SHEET NUMBER:

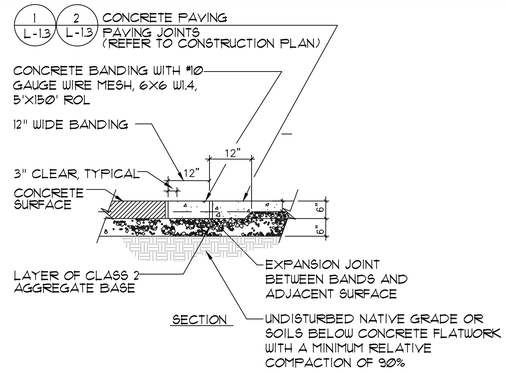
L1.3



LANDSCAPE TIMBER PLANTER BOXES - FILL WITH PLANTER MIX AS SPECIFIED

NOT TO SCALE

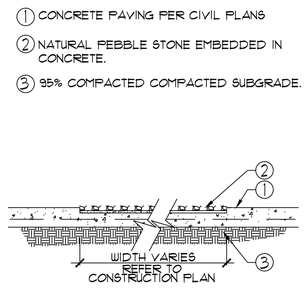
RAISED PLANTER | 4



NOTES:
1. BANDING SHALL BE NATURAL COLOR WITH MEDIUM BROOM FINISH.
2. EXPOSED EDGES SHALL RECEIVE A 1/2" RADIUS.
3. JOINTS SHALL BE AS NOTED IN DETAIL "2" ON SHEET L-1.3
4. 6" WIDE BANDING SHALL RECEIVE ONE (1) CONTINUOUS, HORIZONTAL REBAR± 24" WIDE BANDING SHALL RECEIVE FOUR (4) CONTINUOUS, HORIZONTAL REBAR EQUALLY SPACED.

NOT TO SCALE

CONCRETE BANDING | 3

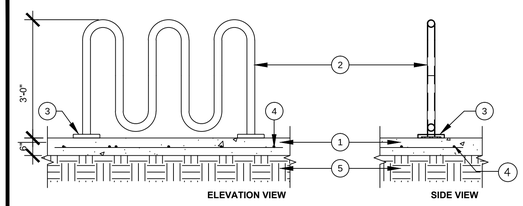


1. CONCRETE PAVING PER CIVIL PLANS
2. NATURAL PEBBLE STONE EMBEDDED IN CONCRETE.
3. 95% COMPACTED COMPACTED SUBGRADE.

NOTES:
- CONCRETE SHALL BE NATURAL GRAY COLOR & MEDIUM BROOM FINISH
- EXPANSION / CONTROL JOINTS SHALL BE PER DETAIL 2 ON SHEET L-1.3

NOT TO SCALE

CONCRETE PAVING W/ PEBBLES | 2

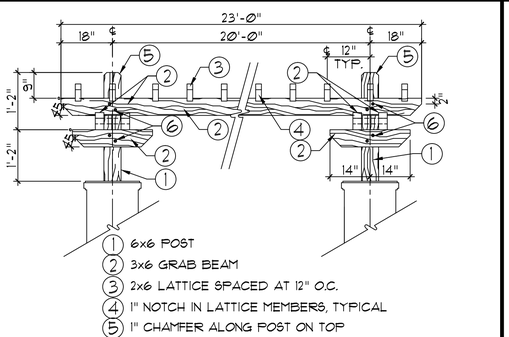


1. C.I.P. CONCRETE PAD - CONCRETE PAD SHALL BE FLUSH W/ FINISH SURFACE OF CONCRETE PAVING.
2. BIKE RACK. REFER TO CONSTRUCTION PLAN FOR SPEC. SURFACE MOUNTING PER MANUFACTURER'S SPECIFICATION
3. COVER PLATE FOR SURFACE MOUNT MOUNT PER MANUFACTURE'S RECOMMENDATIONS.
4. #3 REBAR @ 18" O.C. EACH WAY
5. COMPACTED SUBGRADE

NOTES:
1. EXPANSION JOINTS SHALL BE LOCATED AS SHOWN ON THE CONSTRUCTION PLAN
2. FINISH SURFACE SHALL BE OF CONCRETE PAD SHALL BE TOPCAST RETARDANT FINISH, NATURAL CONCRETE COLOR & SHALL RECEIVE A 1/2% MIN.- 2% MAX. GRADIENT TO DRAIN.
3. FINAL LOCATION OF BIKE RACK SHALL BE REVIEWED & APPROVED PRIOR TO CONSTRUCTION.

NOT TO SCALE

BIKE RACK CONCRETE PAD | 1

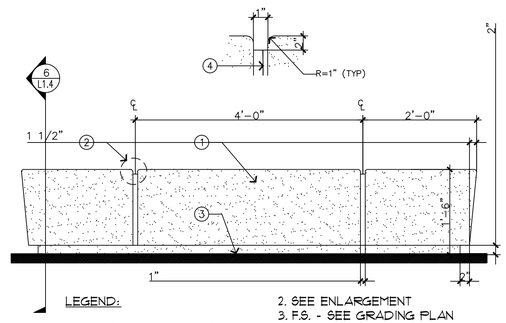


1. 6x6 POST
2. 3x6 GRAB BEAM
3. 2x6 LATTICE SPACED AT 12" O.C.
4. 1" NOTCH IN LATTICE MEMBERS, TYPICAL
5. 1" CHAMFER ALONG POST ON TOP
6. 5/8" ϕ GALVANIZED BOLTS AND OVERSIZED WASHERS, TYPICAL. COUNTER SUNK BOLTS. TWO (2) PER CONNECTION

NOTE:
1. ALL WOODS SHALL BE PAINTED WITH 1 COAT PRIMER & 2 COATS OF PAINT, COLOR SHALL BE SELECTED BY LANDSCAPE ARCHITECT.
2. ALL WOODS SHALL BE R.S.D.F.

NOT TO SCALE

WOOD OVERHEAD | 8

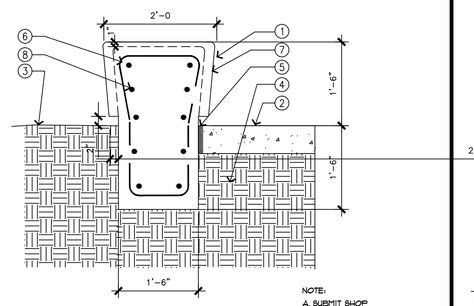


LEGEND:

1. P.I.P. ARCH CONC, NATURAL COLOR, MEDIUM SANDBLAST
2. SEE ENLARGEMENT
3. F.S. - SEE GRADING PLAN
4. CONCRETE COLD JOINT

NOT TO SCALE

SEAT WALL ELEVATION | 7

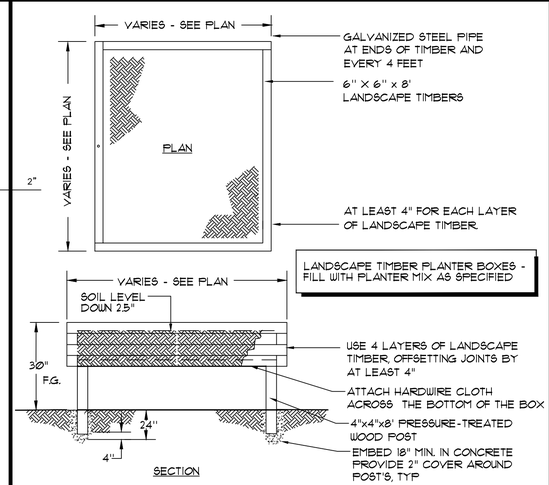


1. POURED IN PLACE ARCH. CONC. SANDBLAST FINISH
2. ADJACENT PAVING
3. PLANTING AREA - SEE PLANTING PLAN
4. 95% COMPACTED SUBGRADE
5. E.J. W/ SEALANT
6. STEEL REINFORCEMENT, #4 CONT. LONGITUDINAL ALL AROUND @ 10" O.C. MAX.
7. 1" REVEAL, SEE ELEVATION DETAIL "1 ON THIS SHEET.
8. #4 REBAR

NOTE:
A. SUBMIT SHOP DRAWING FOR SEAT WALL JOINT PATTERN LAYOUT.
B. PROVIDE MOCK UP FOR REVIEW & APPROVAL PRIOR TO START OF INSTALLATION.
C. ENSURE NO AIR POCKETS ON SEATWALL AFTER SANDBLAST

NOT TO SCALE

SEAT WALL SECTION | 6

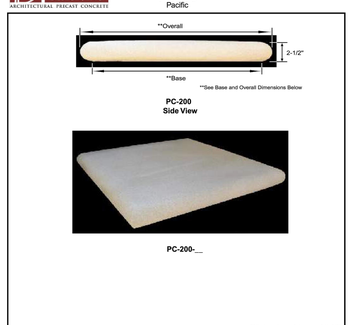


NOT TO SCALE

RAISED PLANTER - A.D.A. | 5

PACIFIC STONE DESIGN, INC.
ARCHITECTURAL PRECAST CONCRETE

Pilaster Cap
PC-200
Pacific



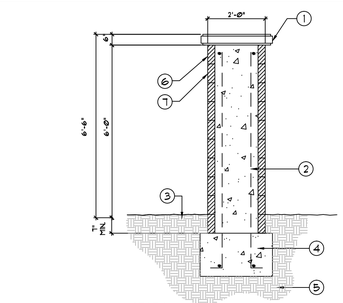
*All pieces have a tolerance of +/- 1/4"

Product	Dimensions	Base	Overall	Wt. (lbs.)
PC-200-16	PILASTER CAP 16-3/8" O.A. SQ. x 2-1/2" TH	14"	16-3/8"	50
PC-200-18	PILASTER CAP 18-3/8" O.A. SQ. x 2-1/2" TH	16"	18-3/8"	63
PC-200-20	PILASTER CAP 20-3/8" O.A. SQ. x 2-1/2" TH	18"	20-3/8"	77
PC-200-24	PILASTER CAP 23-3/8" O.A. SQ. x 2-1/2" TH	21"	23-3/8"	98
PC-200-26	PILASTER CAP 26-3/8" O.A. SQ. x 2-1/2" TH	24"	26-3/8"	125

1201 E. WAKEHAM AVENUE SANTA ANA, CA 92705-4504
714-836-5757 866-99-STONE FAX 714-836-4433 WWW.PACIFICSTONE.NET

NOT TO SCALE

PRECAST CONCRETE CAP | 11



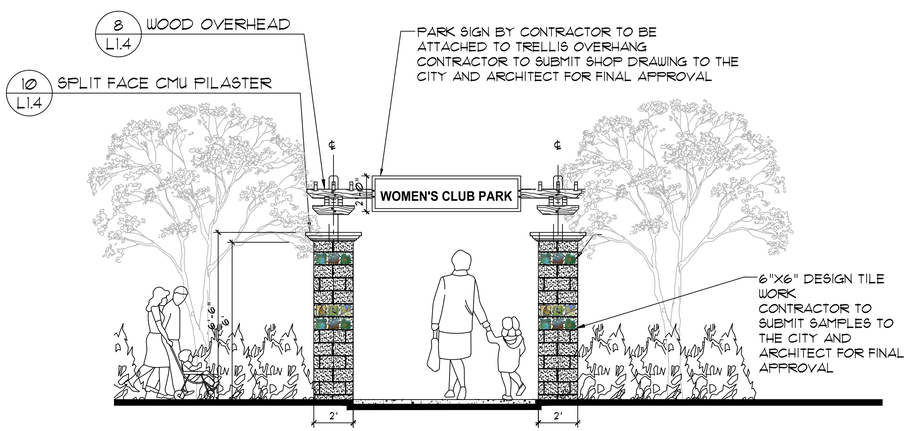
1. PRECAST CONCRETE CAP - SEE DETAIL "11 ON THIS SHEET.
2. REINFORCING PER CIVIL PLAN DETAIL "1 ON SHEET C5
3. FINISH GRADE
4. CONCRETE FOOTING PER CIVIL PLAN DETAIL "4 ON SHEET C4
5. COMPACTED SUBGRADE PER CIVIL PLAN DETAIL "1 ON SHEET C5
6. SPLIT FACE 8X8X16 CMU, GROUT FILL ALL CELLS

   SPLIT FACE CMU COLOR: HARVEST
   GROUT COLOR: GRAY

   SPLIT FACE CMU AVAILABLE AT ANGELUS BLOCK CO. INC. 818-767-8576
7. 6x6 DESIGN TILE

NOT TO SCALE

SPLIT FACE CMU PILASTER | 10



NOT TO SCALE

ENTRY ELEVATION | 9

Troller Mayer Associates, Inc
Landscape Architecture Planning Urban Design
1403 Kenneth Road, Suite B
Glendale, Ca 91201-1421
23545 Crenshaw Blvd., Suite 211
Torrance, CA 90505
Ph:(310) 738-2088
E-mail: jmassoud@trollermayer.com

REGISTERED LANDSCAPE ARCHITECT
RICHARD W. MAYER NO. 1517
Signature
12-31-2024
Renewal Date
12-08-2018
Date
STATE OF CALIFORNIA

WOMEN'S CLUB PARK

200 WEST GREENWOOD AVENUE
LA HABRA, CA 90631

ISSUES / REVISIONS

No.	DATE	DESCRIPTION
1	11/30/22	1ST CITY PLAN CHECK REVIEW
2	02/17/23	2ND CITY PLAN CHECK SUBMITTAL
3	06/08/23	100% CD SUBMITTAL
4	09/08/23	100% CD SUBMITTAL
5	12/08/23	100% CD SUBMITTAL

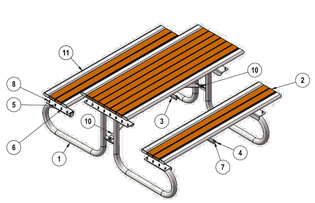
JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:

CONSTRUCTION DETAILS

SHEET NUMBER:

L1.4

NOTE: Flat Head bolt mounts between Recycled Planks and Center Channel.

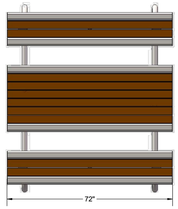


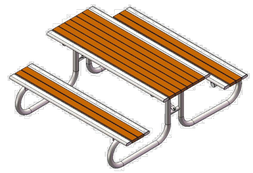
ITEM NO.	PartNo	DESCRIPTION	QTY.
1	P-01-01-0393	64 Series Leg	2
2	BRN72-2x4-LB, CDR72-2x4-LB, GRN72-2x4-LB, or GRY72-2x4-LB	2 x 4 Brown Recycled Bench Plank-Lag Bolts (6'), 2 X 4 Cedar Recycled Bench Plank-Lag Bolts (6'), 2 x 4 Green Recycled Bench Plank-Lag Bolts(6'), or 2 x 4 Grey Recycled Bench Plank-Lag Bolts (6')	10
3	P-01-01-0675	63/64 Series Center Channel	1
4	P-01-01-0674	63/64 Series Seat Channel	2
5	33-05-0034	5/16" x 1-1/4" lag bolt, SS	30
6	33-02-0007	5/16" SS Washer	30
7	33-02-0008	3/8" Flat Washer (SS)	23
8	33-06-0056	3/8" x 1" Machine Bolt (SS)	20
9	33-03-0013	3/8" Kep Nut (SS)	3
10	P-01-01-0425	6' 64 series table brace	2
11	01-01-0664	6' Oval Tube	6
12	33-06-0084	3/8" x 2" Flat Head Bolt	1

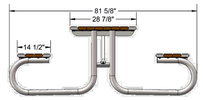
STEPS:
1.) Attach the 6' Recycled Planks and Oval Tube Planks to the 64 Frames using specified hardware.

2.)Attach the 64 Center Channel to the Recycled Planks.
NOTE: the Flat Head Bolt is between the Center Channel and Recycled Planks.

3.) Attach 64 Series Table Braces to the 64 Frames and Recycled Planks.







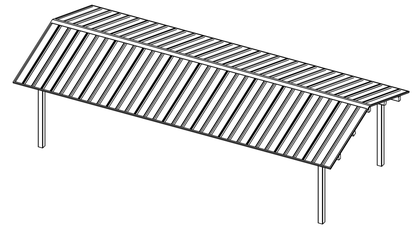
PICNIC TABLE | 2

PROJECT:

LOCATION:

BUILDING TYPE: REK 16x34

ROOF TYPE: MULTI-RIB



DRAWING LIST:

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	ARCHITECTURAL ELEVATIONS
2	STRUCTURAL FRAMING PLAN
3	COLUMN LAYOUT

FABRICATOR APPROVALS:
CITY OF PHOENIX, AZ APPROVED FABRICATOR #C08-2010
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #15596
CITY OF RIVERSIDE, CA APPROVED FABRICATOR #SP06-0033
CITY OF HOUSTON, TX APPROVED FABRICATOR #470
CLARK COUNTY, NV APPROVED FABRICATOR #264
STATE OF UTAH APPROVED FABRICATOR 02008-14

CERTIFICATES:
MIAMI-DADE COUNTY CERTIFICATE OF COMPETENCY NO. 16-1025.01
PCI (POWDER COATING INSTITUTE) 4000 CERTIFIED

MATERIALS:

DESCRIPTION	ASTM DESIGNATION
TUBE STEEL	A500 (GRADE B)
SCHEDULE PIPE	A53 (GRADE B)
RMT PIPE	A519
LIGHT GAGE COLD FORMED	A1003 (GRADE 50)
STRUCTURAL STEEL PLATE	A36
ROOF PANELS (STEEL)	A653

GENERAL NOTES:
UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED TO ONLY SUPPORT WHAT IS SHOWN ON THESE DRAWINGS. POLIGON MUST BE CONTACTED IF ANYTHING ELSE IS TO BE ATTACHED TO THIS STRUCTURE (WALLS, COLUMN WRAPS, RAILINGS, ETC.) SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED ASSUMING A 20' SEPARATION BETWEEN ANY ADJACENT STRUCTURE WITH AN EAVE HEIGHT EQUAL TO OR GREATER THAN THE EAVE HEIGHT OF THIS STRUCTURE. IF THAT SEPARATION DOES NOT EXIST, POLIGON MUST BE CONTACTED SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL.

ALL WELDING IS PERFORMED BY AMERICAN WELDING SOCIETY CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, BE RUN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

STOP!!
NOT FOR CONSTRUCTION
USE FOR PRELIMINARY PLANNING AND ESTIMATING ONLY

DRAWING: COVER SHEET
SCALE: 1:64
REV LEVEL: A
poligon® (616)399-1963 www.poligon.com
COPYRIGHT 2014
PATENTED OR PATENTS PENDING
POLYGON BY PORTERCORP
SHEET CS

NOT TO SCALE

POLIGON SHELTER | 1

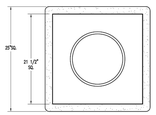
- INSTALLATION IS REQUIRED BY OTHERS.
- ALL EDGES TO BE EASED.
- MANUFACTURING TOLERANCE ±1/4".
- PRODUCT: QS--CAL2534W--C21
- QUANTITY: ____
- CONCRETE COLOR: ____
- CONCRETE TEXTURE: ____
- SEALER: STANDARD GLOSS SEALER
- LID COLOR: ____
- LID MATERIAL: ____
- STD. 2"DIA. DRAIN HOLE
- STD. COLOR & TEXTURE OPTIONS

LID MATERIAL
HIGH DURABLE LID ARE HIGHLY RECOMMENDED FOR HIGH USE AREAS
○ ALUMINUM
○ STEEL

LID COLORS
STANDARD / OPTIONAL
○ BLACK / ○ RED
○ GRAY / ○ BURGUNDY
○ BROWN / ○ GREEN
○ BLUE / ○ IVORY

APROX. WT. 522 lbs.
(CUSTOMER TO OFFLOAD & VERIFY WEIGHT)

Authorized Signature / Date
"I have reviewed the engineering this drawing for accuracy and "no exception taken" authorization is given to Quick Crete to produce this drawing as shown within a 1/4" tolerance.



PLAN VIEW

SECTION VIEW

ELEVATION VIEW

HARDWARE LIST

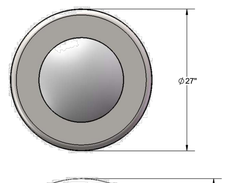
QTY	TYPE
1	(LID C21) 21 3/8"SQ. FLANGE LID
1	SECURITY CABLE & BOLT
1	(QS--PLC40) 19 1/2"TOP x 28"HT. 40 GAL. LINER

QCP Quick Crete Products Corp. (951) 737-6240 www.quickcrete.com

PLAN TYPE:	CONSTRUCTION PLAN	DATE: 4/30/12	FILE NO.: CAQS34C21
PRODUCT:	CALIFORNIA WASTE CONT. (QS-CAL2534W-C21)	DRAWN BY:	SHEET 1
PROJECT NAME:		QC NO.:	OF 1

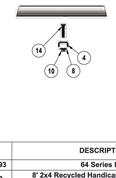
NOT TO SCALE

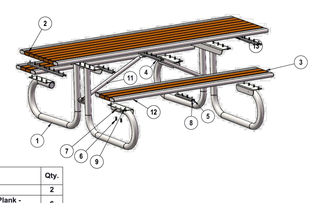
CONCRETE TRASH RECEPTACLE | 5

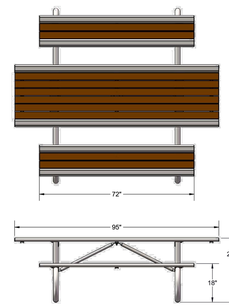


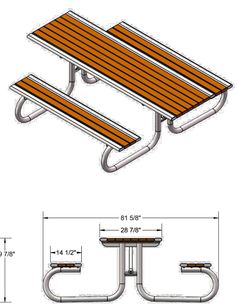
NOT TO SCALE

TRASH RECEPTACLE | 4





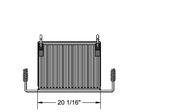


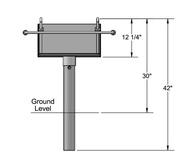


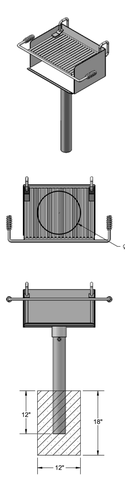
ITEM NO.	PartNo	DESCRIPTION	Qty.
1	P-01-01-0393	64 Series Leg	2
2	01-01-0593	8' 2x4 Recycled Handicap 64 Table Plank - CDR/BRN/GRN/GRY	6
3	BRN72-2x4-LB, CDR72-2x4-LB, GRN72-2x4-LB, or GRY72-2x4-LB	2 x 4 Brown Recycled Bench Plank-Lag Bolts (6'), 2 X 4 Cedar Recycled Bench Plank-Lag Bolts (6'), 2 x 4 Green Recycled Bench Plank-Lag Bolts(6'), or 2 x 4 Grey Recycled Bench Plank-Lag Bolts (6')	4
4	P-01-01-0675	63/64 Series Center Channel	3
5	P-01-01-0674	63/64 Series Seat Channel	2
6	33-05-0034	5/16" x 1-1/4" lag bolt, SS	42
7	33-02-0007	5/16" SS Washer	46
8	33-02-0008	3/8" Flat Washer (SS)	23
9	33-06-0056	3/8" x 1" Machine Bolt (SS)	24
10	33-03-0013	3/8" Kep Nut (SS)	3
11	P-01-01-0425	6' 64 series table brace	2
12	01-01-0664	6' Oval Tube	4
13	01-01-0677	8' ADA Oval Tube	2
14	33-06-0084	3/8" x 2" Flat Head Bolt	1

NOT TO SCALE

ADA ACCESSIBLE PICNIC TABLE | 3



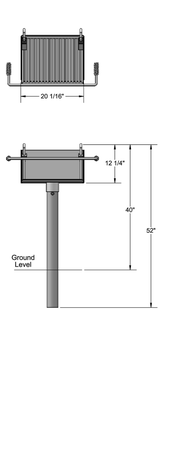




Estimated Required Concrete:
4 - 50lb Bags of Concrete Mix

NOT TO SCALE

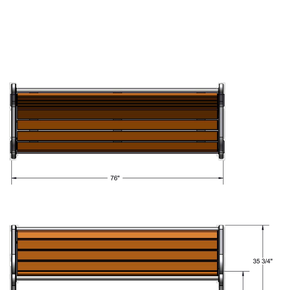
ADA BBQ GRILL | 8

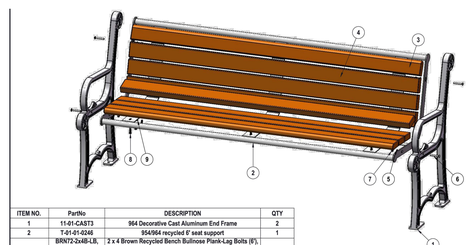


Estimated Required Concrete:
4 - 50lb Bags of Concrete Mix

NOT TO SCALE

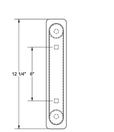
BBQ GRILL | 7

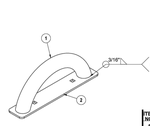


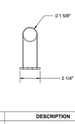


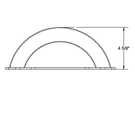
ITEM NO.	PartNo	DESCRIPTION	QTY
1	11-01-CAST3	964 Decorative Cast Aluminum End Frame	2
2	T-01-01-0246	954/964 recycled 6' seat support	1
3	BRN72-2x4B-LB, CDR72-2x4B-LB, GRN72-2x4B-LB, or GRY72-2x4B-LB	2 x 4 Brown Recycled Bench Bullnose Plank-Lag Bolts (6'), 2 X 4 Cedar Recycled Bench Bullnose Plank-Lag Bolts(6'), 2 x 4 Green Recycled Bench Bullnose Plank-Lag Bolts (6'), or 2 x 4 Grey Recycled Bench Bullnose Plank-Lag Bolts (6')	2
4	BRN72-2x4-LB, CDR72-2x4-LB, GRN72-2x4-LB, or GRY72-2x4-LB	2 x 4 Brown Recycled Bench Plank-Lag Bolts (6'), 2 x 4 Cedar Recycled Bench Plank-Lag Bolts (6'), 2 x 4 Green Recycled Bench Plank-Lag Bolts(6'), or 2 x 4 Grey Recycled Bench Plank-Lag Bolts (6')	6
5	33-02-0007	5/16" SS Washer	4
6	33-06-0053	5/16" x 2-1/4" Carriage Bolt (SS)	4
7	33-03-0012	5/16" Kep Nut (SS)	4
8	33-05-0034	5/16" x 1-1/4" lag bolt, SS	24
9	33-02-0008	3/8" Flat Washer (SS)	25

Optional Surface Mount Hardware:
3/8" x 3-1/2" Concrete Expansion Anchor Bolts
(Not Included)









ITEM NO.	PartNo	DESCRIPTION	QTY.
1	01-01-0156	Ad armrest tube	1
2	01-01-0038	ad bench armrest plate	1

NOTE: CONTRACTOR TO ATTACH MIDDLE ARMREST

NOT TO SCALE

BENCH | 6

Troller Mayer Associates, Inc
Landscape Architecture Planning Urban Design
1403 Kenneth Road, Suite B
Glendale, Ca 91201-1421
23545 Crenshaw Blvd., Suite 211
Torrance, CA 90505
Ph:(310) 738-2088
E-mail: jmassoud@trollermayer.com

REGISTERED LANDSCAPE ARCHITECT
RICHARD W. MAYER NO. 1517
Signature
12-31-2024
Renewal Date
12-08-2018
Date
STATE OF CALIFORNIA

WOMEN'S CLUB PARK

200 WEST GREENWOOD AVENUE
LA HABRA, CA 90631

ISSUES / REVISIONS

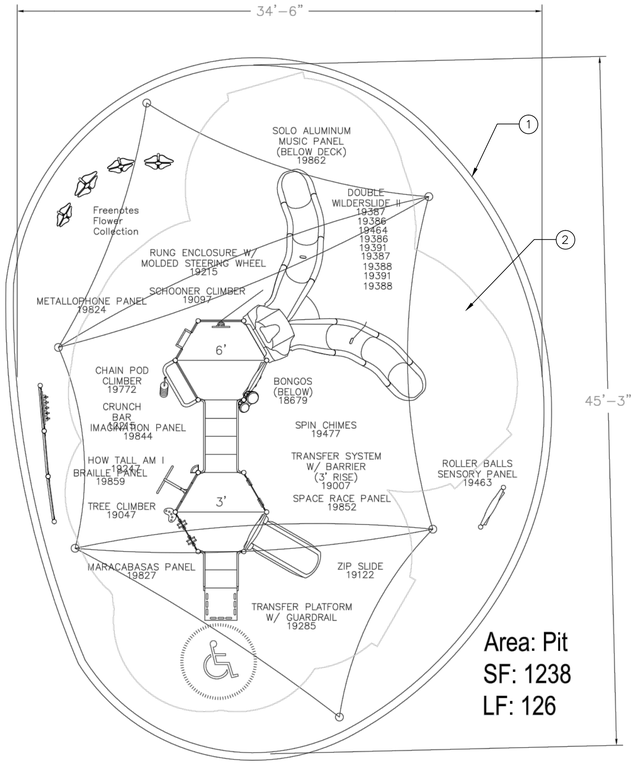
No.	DATE	DESCRIPTION
1	11/30/22	1ST CITY PLAN CHECK REVIEW
2	02/17/23	2ND CITY PLAN CHECK SUBMITTAL
3	06/08/23	100% CD SUBMITTAL
4	09/08/23	100% CD SUBMITTAL
5	12/08/23	100% CD SUBMITTAL

JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:

CONSTRUCTION DETAILS

SHEET NUMBER:

L1.5



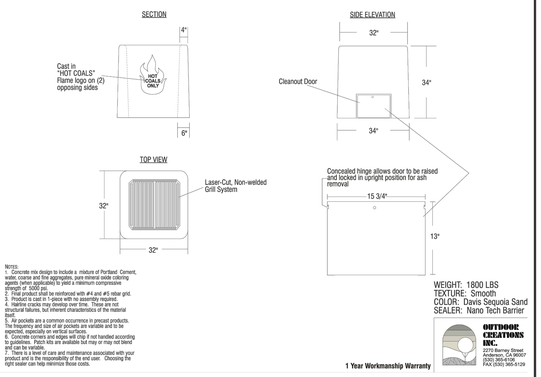
1. CONCRETE MOW STRIP
   SEE DETAIL 8 ON SHEET L1.3
2. P.I.P. RUBBER SURFACE
   SEE DETAIL 7 ON SHEET L1.3

NOTES:

1. PLAY STRUCTURE / TOT LOT BY GREAT WESTERN RECREATION
   1-805-910-5971 brandon@gwpark.com
   CONTACT NAME: BRANDON SEITZ
2. INSTALL EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. CONTRACTOR SHALL COORDINATE PLACEMENT OF EQUIPMENT WITH LOCATIONS OF CONCRETE WALK, CURBS AND DRAINS.
3. PLAY EQUIPMENT COLOR - MOSSY GROVE
   FABRIC SHADE COLOR - BOTTLE GREEN & CREAM
   SHADE POST COLOR - GREEN
   FINAL COLOR TO BE VERIFIED BY CONTRACTOR

NOT TO SCALE

PLAY STRUCTURE | 1



NOTES:
1. Concrete mix design to include a mixture of Portland Cement, fine and coarse aggregates, pozzolan, and admixtures of water reducer, carbon application, and minimum compressive strength of 5000 psi.
2. Final product shall be reinforced with #4 and #5 rebar grid.
3. Product is cast in 1-piece with no assembly required.
4. Product is guaranteed for 1 year from date of sale against structural failures, but inherent characteristics of the material itself.
5. Air pockets are a common occurrence in precast products. The frequency and size of air pockets are variable and to be expected, especially on vertical surfaces.
6. Concrete corners and edges will chip if not handled according to guidelines. Patch kits are available but may or may not blend with the finish.
7. There is a level of care and maintenance associated with your product and is the responsibility of the end user. Choosing the right sealer can help minimize those costs.

WEIGHT: 1800 LBS
TEXTURE: Smooth
COLOR: Davis Sequoia Sand
SEALER: Nano Tech Barrier

1 Year Workmanship Warranty

OUTDOOR CREATIONS INC.
2370 Barney Street
Anderson, CA 96007
(530) 365-5129
FAX (530) 365-5129

NOT TO SCALE

HOT COAL RECEPTACLE | 2

Troller Mayer Associates, Inc
Landscape Architecture Planning Urban Design
1403 Kenneth Road, Suite B
Glendale, Ca 91201-1421
23545 Crenshaw Blvd., Suite 211
Torrance, CA 90505
Ph:(310) 738-2088
E-mail: jmassoud@trollermayer.com

REGISTERED LANDSCAPE ARCHITECT
RICHARD W. MAYER NO. 1517
Signature
12-31-2024
Renewal Date
12-08-2018
Date
STATE OF CALIFORNIA

WOMEN'S CLUB PARK

200 WEST GREENWOOD AVENUE
LA HABRA, CA 90631

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4	09/08/23	100% CD SUBMITTAL
5	12/08/23	100% CD SUBMITTAL

JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:

CONSTRUCTION DETAILS

SHEET NUMBER:

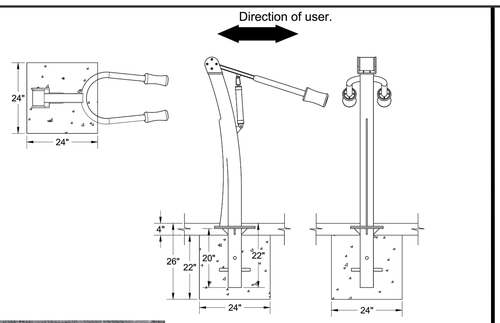
L1.6

During installation, please be sure to also refer to the general installation instructions for in ground.

COLOR - GREEN

NOT TO SCALE

ACCESSIBLE TRICEPS PRESS - UBX244W | 4

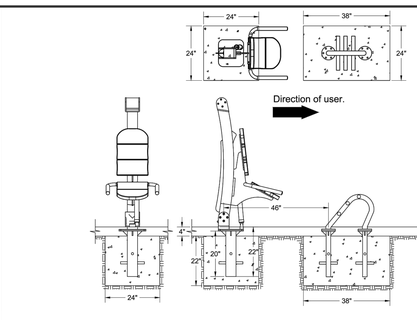


During installation, please be sure to also refer to the general installation instructions for in ground.

COLOR - GREEN

NOT TO SCALE

SQUAT - UBX217 | 3

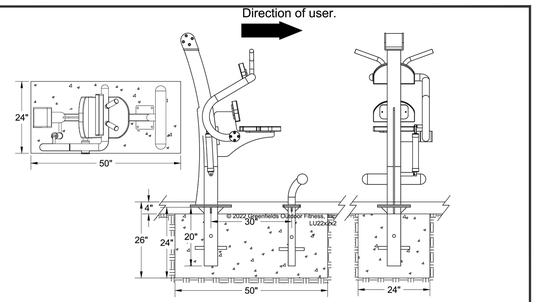


During installation, please be sure to also refer to the general installation instructions for in ground.

COLOR - GREEN

NOT TO SCALE

LEG PRESS - UB215 | 2

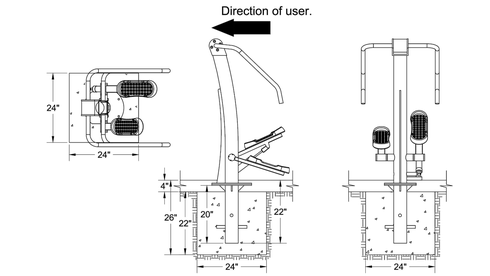


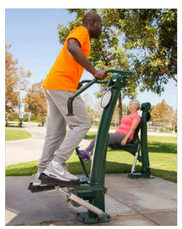
During installation, please be sure to also refer to the general installation instructions for in ground.

COLOR - GREEN

NOT TO SCALE

AB TONER - UBX211 | 1



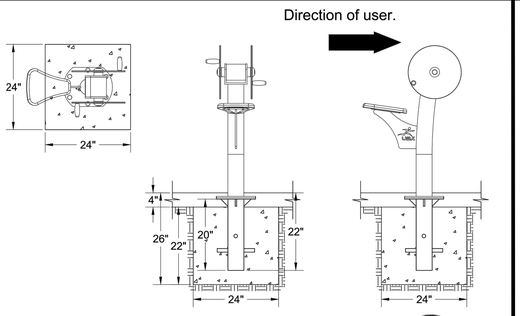


During installation, please be sure to also refer to the general installation instructions for in ground.

COLOR - GREEN

NOT TO SCALE

STEPPER - UBX292 | 8

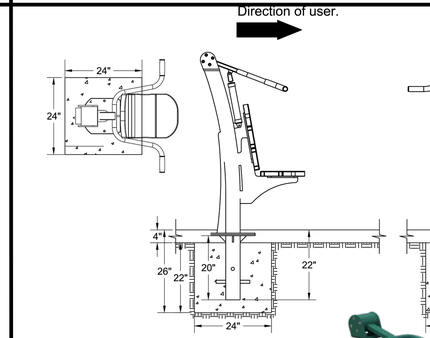


During installation, please be sure to also refer to the general installation instructions for in ground.

COLOR - GREEN

NOT TO SCALE

HAND BIKE - UBX287 | 7

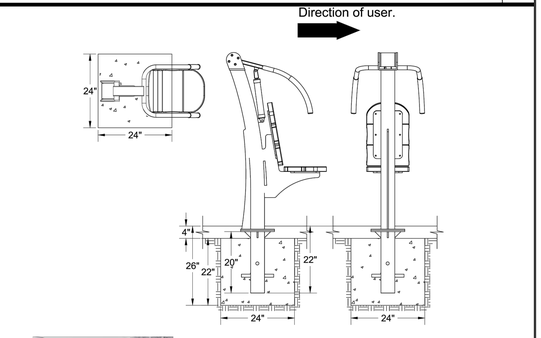


During installation, please be sure to also refer to the general installation instructions for in ground.

COLOR - GREEN

NOT TO SCALE

SHOULDER PRESS - UBX248 | 6



During installation, please be sure to also refer to the general installation instructions for in ground.

COLOR - GREEN

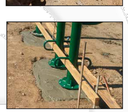
NOT TO SCALE

VERTICAL PRESS - UBX247 | 5

General Installation Instructions:
In-Ground Embedded Footings

Greenfields Outdoor Fitness
Promoting Wellness & Fighting Obesity One Community at a Time!

BASIC INSTALLATION GUIDELINES



UNITS ARE HEAVY (up to 450 lbs.) When unloading and handling, please exercise extra care to prevent injury or damage to the equipment.

1. All units must be fully assembled before installation
2. All screws must be attached using LocTite
3. Do not drag units along the ground
4. If missing parts or damaged items are noticed during installation, or should any assistance be required, please contact Greenfields immediately at 888-315-9037 x105.
5. All units MUST be fully assembled, leveled, and braced in place in the footing hole before any concrete is poured.
6. A monolithic pour MUST be used for concrete. (All concrete must be poured at one time)
7. Concrete requirement: 3250 psi or better.
8. The top of the blue tape attached to the posts on the equipment is final top surface level.
9. Brace units at the designated locations using the 2x4s, secured by c-clamps, all-thread or tie-wire. Use padding to avoid scratching powder coating.
10. Suggested safety zone is about 48" - 60" perimeter around usage area (seats and moving parts). Clearance area may overlap with a nearby unit, as long as there is enough clearance to safely mount and dismount each unit.
11. Make sure all units are plumb and leveled
    Adhere to surfacing level (marked on units with blue tape)
12. Pour concrete
13. Clear concrete residue from post and other parts
14. Let concrete dry. It is recommended to wait a minimum of one week after concrete is poured before equipment is used.
15. Remove supports
16. Touch up units using attached guide
17. Wrap units in black tarps until open to public
18. At the end of installation, toolbox and all documentation should be submitted to the local maintenance staff.

General Installation Instructions:
In-Ground Embedded Footings

Greenfields Outdoor Fitness
Promoting Wellness & Fighting Obesity One Community at a Time!

Video Demo:
https://gfoutdoorfitness.com/in-ground-installation/

The following information for contractors, maintenance personnel and supervisory staff will help ensure an accurate, safe and problem-free installation.

SUGGESTED MATERIALS

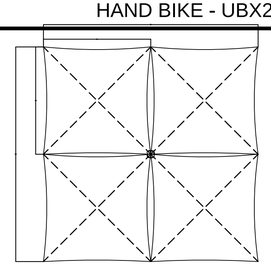
Please be advised that the use of decomposed granite surfacing (DG) is known to accelerate normal wear & tear of footrests.

1. 2x4s: approximately four, 8' to 10' lengths per unit.
2. All-Thread: 3/8" to 1/2", cut in 1' lengths, two pieces per embedded pipe.
3. Nuts & Washers: to fit all-thread, four sets per embedded pipe.
4. Stakes: metal/wood, approximately six per unit.
5. Pavers/Cinder Blocks: 1 to 2 per unit.
6. Tie Wire/C-Clamps
7. Duplex Wood Nails/Dry Wall Screws
8. Concrete: 3250 psi or better. Aggregate ratio: 3/8" to 3/4" in 1:3 ratio. Concrete ratio: 1:3:2.5 of concrete, aggregate, and sand. Tools: cordless impact driver, skill saw, pliers, hammer, small sledge, magnetic level, tape measure, shovels, wheelbarrows, etc.
9. Plans/Drawings: schematic drawings and instructions for each model # to be installed.

SITE PREP - *Before equipment handling*

1. Area should be fenced—recommend 6' temporary fencing, entire perimeter.
2. Ground should be thoroughly graded and "finished grade" accurately established, using either laser or string-line methods.
3. Prior to digging, entire site should be "laid-out" with all footings clearly marked as per plans.
4. In the U.S. contact "Dig Alert" for clearance to dig, and follow all local construction regulations (fencing, dirt removal, etc.)
5. Dig footings, closely following given dimensions.
6. Remove dirt and debris from site, prior to placing units.

IN-GROUND FOOTING INSTALLATION GUIDELINES | 12

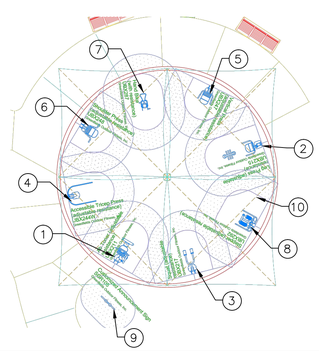


QUADRUPLE EXTENDED OFFSET
SINGLE POST PYRAMID SHADE
SYSTEM - 10' EAVE IN GROUND

POST COLOR - GREEN
SHADE FABRIC COLOR - DESERT SAND
FINAL COLOR TO BE VERIFIED BY CONTRACTOR

NOT TO SCALE

SHADE SYSTEM | 11



1. SEE DETAIL 1 ON THIS SHEET
2. SEE DETAIL 2 ON THIS SHEET
3. SEE DETAIL 3 ON THIS SHEET
4. SEE DETAIL 4 ON THIS SHEET
5. SEE DETAIL 5 ON THIS SHEET
6. SEE DETAIL 6 ON THIS SHEET
7. SEE DETAIL 7 ON THIS SHEET
8. SEE DETAIL 8 ON THIS SHEET
9. SEE DETAIL 9 ON THIS SHEET
10. SEE DETAIL 11 ON THIS SHEET

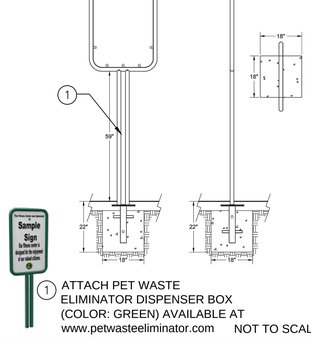
NOT TO SCALE

FITNESS AREA LAYOUT | 10

Parts List:

Extension for In Ground

2x Pegs



1. ATTACH PET WASTE ELIMINATOR DISPENSER BOX (COLOR: GREEN) AVAILABLE AT www.petwasteeliminator.com

NOT TO SCALE

CUSTOMIZED ANNOUNCEMENT SIGN - SGR105 | 9

A CARING COMMUNITY
EST. 1925
CITY OF LA HABRA

Troller Mayer Associates, Inc
Landscape Architecture Planning Urban Design

1403 Kenneth Road, Suite B
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E-mail: jmassoud@trollermayer.com

REGISTERED LANDSCAPE ARCHITECT
RICHARD W. MAYER
NO. 1517
Signature
12-31-2024
Renewal Date
12-08-2018
Date
STATE OF CALIFORNIA

WOMEN'S CLUB PARK

200 WEST GREENWOOD AVENUE
LA HABRA, CA 90631

ISSUES / REVISIONS

No.	DATE	DESCRIPTION
1	11/30/22	1ST CITY PLAN CHECK REVIEW
2	02/17/23	2ND CITY PLAN CHECK SUBMITTAL
3	06/08/23	100% CD SUBMITTAL
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5	12/08/23	100% CD SUBMITTAL

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DRAWN BY: CHECKED BY:
DATE:
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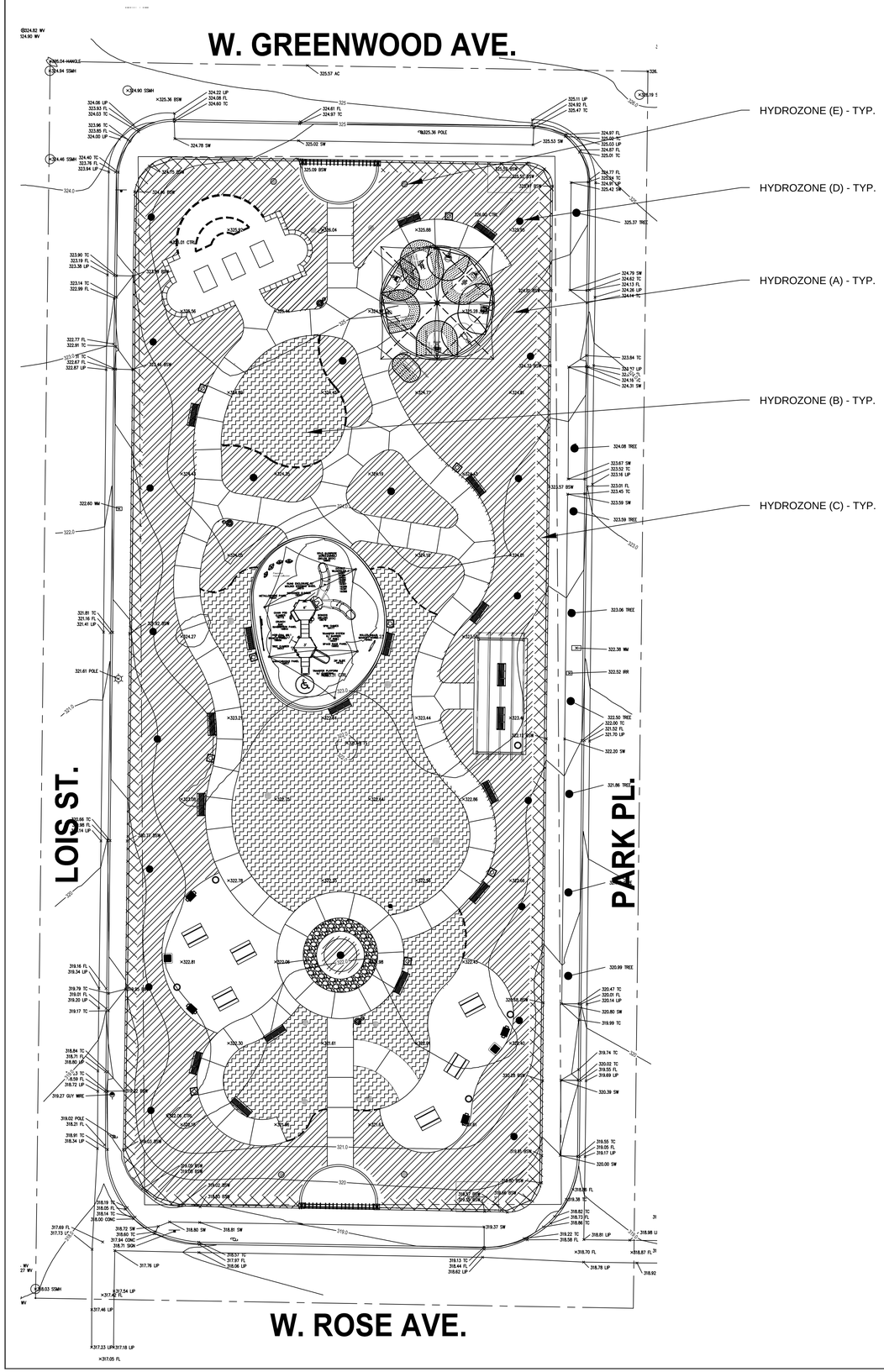
CONSTRUCTION DETAILS

SHEET NUMBER:

L1.7



HYDROZONE LEGEND

- HYDROZONE (A) - DRIP / SHRUBS & GROUNDCOVER / LOW & MODERATE WATER USE
- HYDROZONE (B) - ROTOR / TURF / MODERATE WATER USE
- HYDROZONE (C) - BUBBLERS / HEDGES / LOW WATER USE
- HYDROZONE (D) - BUBBLERS / TREES / LOW WATER USE
- HYDROZONE (E) - BUBBLERS / TREES / MODERATE WATER USE

WATER EFFICIENT WORK SHEET

PROJECT NAME: Women's Club Park
PROJECT LOCATION: 200 East Greenwood Ave. La Habra, CA 90631
TOTAL LANDSCAPE AREA: 19,347 sq.ft.

Maxium Applied Water Allowance (MAWA)

MAWA = (ETo) (0.62) [(0.7 x LA) + (0.3 x SLA)]

MAWA= Maximum Applied Water Allovance
ETo = Reference Evapo.....
0.62 = Conversion factor (to gallons per square foot)
0.7 = ET Adjustment Factor (ETAF)
LA = Landscaped Area includes Special Landscape Area
0.3 = Additional ET Adjustment Factor for Special Landscape Area (1.0 - 0.7 = 0.3)
SLA - Portion of Landsape Area identified as Special Landscape Area - see Definitions (square feet)

Applicant to fill in boxes below.

50.1	ETo (reference Evapotranspiration from Appendix A (inches per year)
19,347	Landscape Area including Special Landscape Area/SLA (square feet)
0	Portion of Landscape Area identified as Special Landscape Area (square feet)

	ETo		*ETAF*		*AREA (s.f.)*		*Conversion*		*MAWA*
MAWA for LA	50.1	x	0.55	x	19,347	x	0.62	=	330,526
*MAWA for SLA**	50.1	x	1	x	0	x	0.62	=	0
Total MAWA									**330,526** *(gallons per year)*

Estimated Total Water Use (ETWU)

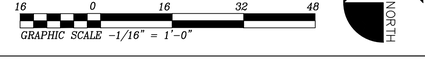
ETWU = (ETo) (0.62) [(PF x HA) / IE + SLA)]

ETWU = Estimated ...
ETo = Reference Evapo.....
0.62 = Conversion factor (to gallons per square foot)
PF = Plant Factor from WUCOLS (see Definitions)
HA = Hydrozone Area - planting area separated to high, moderate, low and very low water usea areas (square feet)
IE = Irrigation Efficiency - (minimum 0.71)
SLA - Portion of Landsape Area identified as Special Landscape Area - see Definitions (square feet)

ETWU arrived from Hydrozone Table below= **277,636** gallons per year

HYDROZONE TABLE

SLA *hydrozone*	*plant water use type*	*plant factor (PF) (see table B)*	*hydrozone area (HA) (square ft.)*	*PFxHA (square ft.)*	% of landscape area (LA)	*irrigation efficiency IE*	*ETAF (PF/IE)*	*ETAF x Area*	*Hydro-zone ETWU*
A - Drip	low/mod. water	0.3	11,089	3,327	57%	0.90	0.2	13,726	114,816
B - Rotor	mod. water	0.6	5,691	3,415	29%	0.75	0.8	13,726	141,419
C - Bubbler- Heage	low water	0.2	2,261	452	12%	0.80	0.25	13,726	17,558
D - Bubbler-Tree	low water	0.2	180	36	1%	0.80	0.25	2,694	1,398
E - Bubbler-Tree	mod. water	0.5	126	63	1%	0.80	0.62	2,694	2,446
						Subtotal ETWU			277,636
		TOTAL ETWU	19,347		100%			46,568	277,636



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JOB NUMBER:
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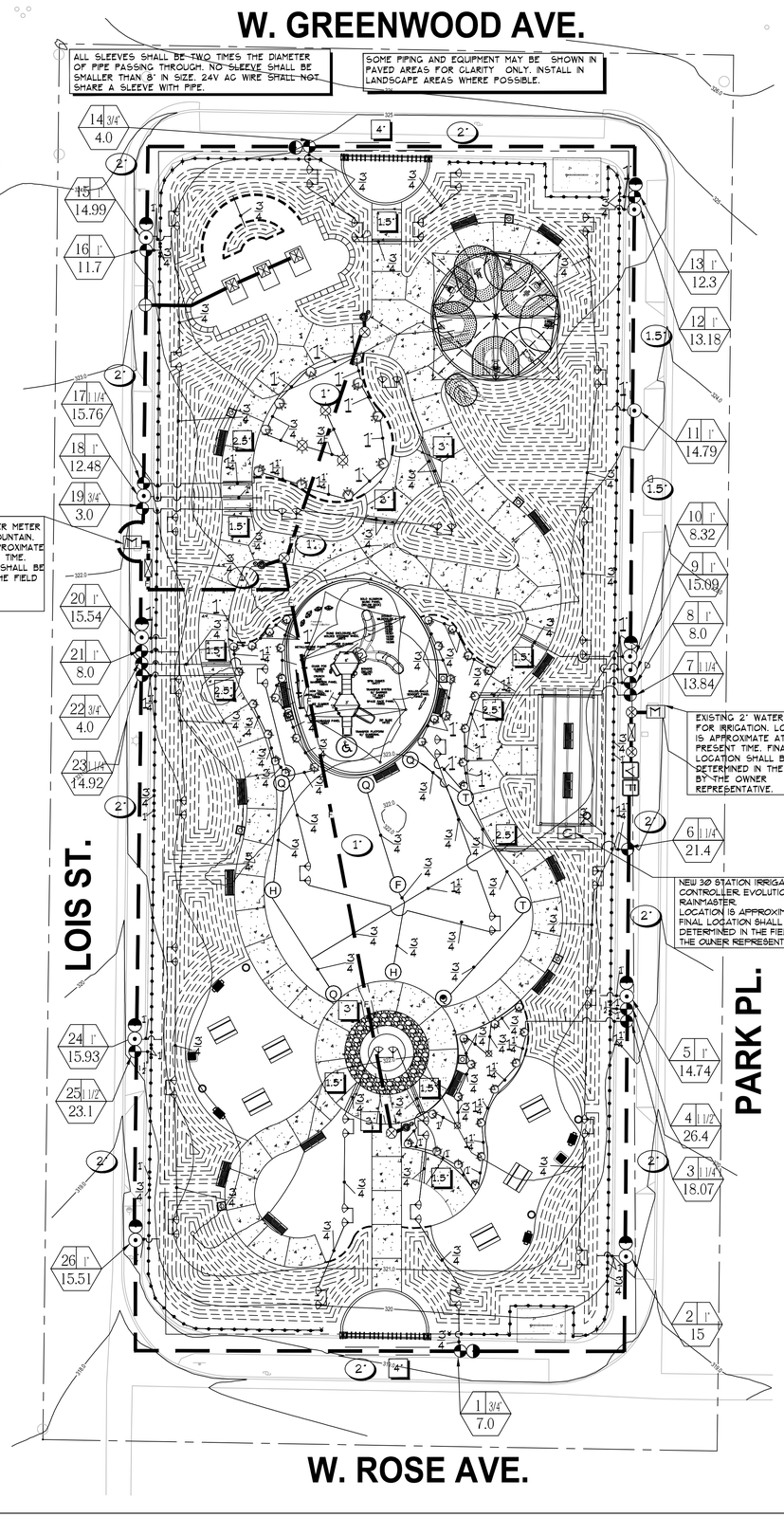
SHEET DESCRIPTION:

HYDROZONE PLAN

SHEET NUMBER:

L2.0



GENERAL NOTES:

1. ALL CONTROL AND COMMON WIRE TO BE AWG #14UF-600 VOLT SOLID COPPER.
2. PROVIDE P.V.C. SCHED. 40 SLEEVES FOR ALL LATERAL AND PRESSURE LINE AND CONTROL WIRING UNDER PAVING. INSTALL WITH 30" OF COVER AND RECOMPACT TO 95% USE SEPARATE SLEEVES FOR MAINLINE, LATERAL AND WIRE.
3. ACTUAL LOCATION OF AUTOMATIC CONTROLLER TO BE VERIFIED WITH OWNER OR HIS REPRESENTATIVE.
4. IF MAINLINE AND CONTROL VALVES SHOWN IN WALK AREAS, IT IS FOR CLARITY ONLY. ROUTE IN PLANTED AREAS.
5. USE TEFLON TAPE OR DOPE ON ALL MALE PIPE THREADS OF CONTROL ASSEMBLY. SWING JOINT AND BACKFLOW ASSEMBLY.
6. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, ROADWAYS AND/OR BUILDINGS, AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT EXISTING SITE CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH.
7. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, NCLUDING NEW PLANT MATERIALS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT ARE IN CONFLICT WITH THE PLANS. SUCH CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE IN WRITING. IN THE EVENT OF THE NOTIFICATION IS NOT PERFORMED, THE IRRIGATION INSTALLER SHALL ASSUME FULL RESPONSIBILITY FOR ANY ON-SITE ADJUSTMENTS NECESSARY TO MAKE SURE THE SYSTEM PERFORMS AT NO ADDITIONAL COST TO THE OWNER.
8. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATIONS OF WALKS, RETAINING WALLS ETC. HE SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, PAVING STRUCTURES, ETC.
9. INSTALL VALVES IN SHRUB OR GROUND COVER AREAS 12" FROM EXISTING SIDEWALK AS SPACE PERMITS.
10. INSTALL ALL SPRAY HEADS 6" FROM PAVED SURFACES, AS SPACE PERMITS.
11. ALL SPRAY HEADS SHOULD BE ADJUSTED TO MINIMIZE OVERSPRAY ONTO WALKS AND MAXIMIZE COVERAGE.
12. A PLUMBING PERMIT SHALL BE OBTAINED FOR THE IRRIGATION SYSTEM BY THE IRRIGATION CONTRACTOR.
13. THE IRRIGATION CONTRACTOR SHALL KEEP AN ACCURATE RECORD OF ALL FIELD REVISIONS AND SHALL PRESENT THE OWNER AND SHALL PRESENT THE OWNER WITH AN "AS-BUILT" SET OF SEPIAS AT THE CONCLUSION
14. THE IRRIGATION SYSTEM SHALL BE TESTED IN THE FIELD BEFORE FINAL APPROVAL.

NOTE:

TEST ALL SPRINKLER MAINS AFTER PIPE IS LAID AND JOINT COMPLETED BY SUBMITTING TO A PRESSURE TEST OF ONE AND ONE HALF TIMES EXISTING STATIC PRESSURE IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. DO NOT BACKFILL ANY TRENCH UNTIL THE OWNER'S REPRESENTATIVE HAS APPROVED THE TEST. REPAIR ANY LEAKS UNTIL LINES MEET TEST REQUIREMENTS AND THE OWNER'S REPRESENTATIVE'S APPROVAL. ALL LATERALS SHALL BE TESTED UNDER MAIN PRESSURE FOR LEAKS; ANY LEAKS SHALL BE REPAIRED. ALL TESTS WITH THE EXCEPTION OF THE LATERALS SHALL BE FOR A DURATION OF 4 HOURS WITH A MAXIMUM DROP OF 4 PSI ALLOWED.

NOTE:

TEST ALL SPRINKLER MAINS AFTER PIPE IS LAID AND JOINT COMPLETED BY SUBMITTING TO A PRESSURE TEST OF ONE AND ONE HALF TIMES EXISTING STATIC PRESSURE IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. DO NOT BACKFILL ANY TRENCH UNTIL THE OWNER'S REPRESENTATIVE HAS APPROVED THE TEST. REPAIR ANY LEAKS UNTIL LINES MEET TEST REQUIREMENTS AND THE OWNER'S REPRESENTATIVE'S APPROVAL. ALL LATERALS SHALL BE TESTED UNDER MAIN PRESSURE FOR LEAKS; ANY LEAKS SHALL BE REPAIRED. ALL TESTS WITH THE EXCEPTION OF THE LATERALS SHALL BE FOR A DURATION OF 4 HOURS WITH A MAXIMUM DROP OF 4 PSI ALLOWED.

NOTE:
THE IRRIGATION FOR THIS PROJECT IS DESIGNED TO COMPLY WITH THE CITY/DBA WATER EFFICIENT LANDSCAPE ORDINANCE AND WITH THE GUIDELINES FOR IMPLEMENTATION OF THE WATER EFFICIENT LANDSCAPE ORDINANCE. TROLLER MAYER HAS COMPLIED WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN WITH THE USE OF SPRAY HEADS, BUBBLERS, ROOT WATERING SYSTEM IN DEEP WELL WITH LOW PRECIPITATION RATE, AND NEW SMART ET/WEATHER-BASED IRRIGATION CONTROLLER.

RICK MAYER, RLA

SCH 40 PVC SLEEVING CHART

SLEEVE SIZE	NO. OF WIRES	PIPE SIZE
1 1/4"	1-4 WIRES	1/2"
1 1/2"	5-10 WIRES	3/4"
2"	11-20 WIRES	1"
2 1/2"	21-30 WIRES	1 1/4"

ALL SLEEVES SHALL BE TWO TIMES THE DIAMETER OF PIPE PASSING THROUGH. NO SLEEVE SHALL BE SMALLER THAN 8" IN SIZE. 24V AC WIRE SHALL NOT SHARE A SLEEVE WITH PIPE.

SOME PIPING AND EQUIPMENT MAY BE SHOWN IN PAVED AREAS FOR CLARITY ONLY. INSTALL IN LANDSCAPE AREAS WHERE POSSIBLE.

MAIN LINE AND RELATED EQUIPMENT

- RAINBIRD REMOTE CONTROL VALVE EFB-CP SERIES (1"-2")AND SUPERIOR #350FRS REMOTE CONTROL VALVE (2.5"). SIZE PER PLAN
- DRIP REMOTE CONTROL VALVE, RAINBIRD XCZ-100-PRB-COM
- RAINBIRD #33-DLRC QUICK COUPLER VALVE IN BOX
- SPEARS 2000 SERIES TRUE UNION BALL VALVE, LINE SIZE
- CHAMPION B-401 GARDEN VALVE
- NEW BACKFLOW PREVENTER FEBCO 825YA 2" INSTALL PER LOCAL CODE (APPROXIMATE LOCATION)FINAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE OWNER REPRESENTATIVE. REFER TO DETAIL 3 ON SHEET L2.3.
- C — NEW 30 STATION IRRIGATION CONTROLLER EVOLUTION DX2 RAINMASTER AS DIRECTED BY THE OWNER REPRESENTATIVE. LOCATION IS APPROXIMATE. FINAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE OWNER REPRESENTATIVE.
- M — EXISTING 1" & 2" WATER METER. REFER TO THE PLAN FOR LOCATIONS. FINAL LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE OWNER REPRESENTATIVE.
- F — FLOW SENSOR RAINBIRD FS-100-B REFER TO DETAIL 7 ON SHEET L2.3.
- V — MASTER VALVE SUPERIOR 3100-100 REFER TO DETAIL 2 ON SHEET L2.3.
- DENOTES MAIN LINE PIPE SIZE
- DENOTES SLEEVE PIPE SIZE
- SLEEVE PIPING, SCHEDULE 40 PVC PIPE SIZE PER PLAN, DEPTH AS NECESSARY
- NEW IRRIGATION SYSTEM MAIN PVC SCH 40 (2-1/2" & SMALLER), PVC CL.315 (3" TO 4"), & PVC CL.200 (6") AT 24" COVER - SIZE PER PLAN
- F — NEW MAIN LINE PIPING FOR FOUNTAINS, 1" SCHEDULE 40 PVC PIPE 18" COVER
- SPRINKLER LATERAL PIPING, SCHEDULE 40 PVC PIPE, SIZE PER PLAN, 12" COVER ALL PIPING UNDER PAVING SHALL BE SCHEDULE 40 PVC PIPE DENOTES PIPE SIZE

STATION # — VALVE SIZE / G.P.M.

TYPICAL VALVE DESIGNATOR

ROOT WATERING SYSTEM

SYMBOL	MFGR.	MODEL	NOZZLE	P.S.I.	G.P.M.	RADIUS
◇	RAINBIRD RWS	B-C-1402	DEEP WELL	15/70	50	NA

XF SERIES DRIPLINE

SYMBOL	MFGR.	MODEL	G.P.H.	SPACING.	COIL SPACING
[- - -]	RAINBIRD DRIP	XFS-CV-06-18-100	0.6	18"	250'

RAIN BIRD XFS-CV-06-12 (12)
LANDSCAPE DRIPLINE WITH COPPER SHIELD & CHECK VALVE, .06 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. INSTALL PER MANUFACTURE RECOMMENDATIONS.

POP-UP BUBBLERS - 2" Pop-up Spray Head

SYMBOL	MFGR.	MODEL	NOZZLE	P.S.I.	G.P.M.	RADIUS	ARC
⊷	RAINBIRD 1802	PCS-030	5CST-B	30	30	3'	CENTER STRIP
◥	RAINBIRD 1802	PCS-030	5Q-B	30	30	3'	90°

INTERMEDIATE TURF ROTORS (RAINBIRD 5000 SERIES @ 25 P.S.I.)

SYMBOL	MFGR.	MODEL	NOZZLE	P.S.I.	G.P.M.	RADIUS	ARC
Q	RAINBIRD	5004-PC-SAM	MPR-35 (BEIGE)	25	1.40	32'	QUARTER (ADJUSTABLE)
T	RAINBIRD	5004-PC-SAM	MPR-35 (BEIGE)	25	1.77	32'	THIRD (ADJUSTABLE)
H	RAINBIRD	5004-PC-SAM	MPR-35 (BEIGE)	25	2.75	32'	HALF (ADJUSTABLE)
F	RAINBIRD	5004-FC-SAM	MPR-35 (BEIGE)	25	5.36	32'	FULL (ADJUSTABLE)

POP-UP TURF SPRAY HEADS

SYMBOL	MFGR.	MODEL	NOZZLE	P.S.I.	G.P.M.	RADIUS	ARC
⊛	RAINBIRD	1804 SAM PRS	12VAN	30	1.30	12'	TO 180°
⊛	RAINBIRD	1804 SAM PRS	12VAN	30	.65	12'	TO 90°
⊠	RAINBIRD	1804 SAM PRS	10F	30	1.57	10'	360°
⊠	RAINBIRD	1806 SAM PRS	8F	30	1.05	8'	360°
⊛	RAINBIRD	1806 SAM PRS	8VAN	30	1.55	8'	TO 270°
⊛	RAINBIRD	1806 SAM PRS	8VAN	30	1.19	8'	TO 180°
⊛	RAINBIRD	1806 SAM PRS	8VAN	30	.72	8'	TO 90°

NORTH

GRAPHIC SCALE 1/16" = 1'-0"

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DRAWN BY: CHECKED BY:
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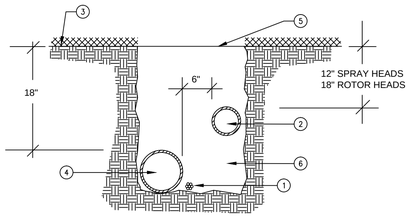
SHEET DESCRIPTION:

IRRIGATION PLAN

SHEET NUMBER:

L2.1

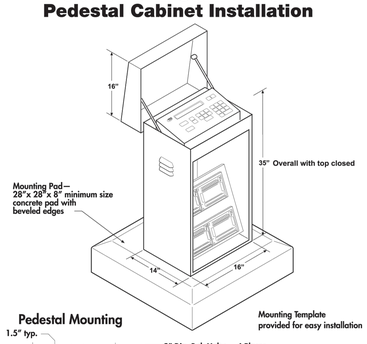


1. CONTROL WIRE BUNDLE
2. SPRINKLER LATERAL
3. FINISH GRADE
4. MAIN LINE PIPING - SIZE PER PLAN - SEE SHEET L2.1
5. FINISH GRADE
6. BACKFILL TRENCHES AFTER ACCEPTANCE OF WORK WITH SUITABLE APPROVED MATERIAL

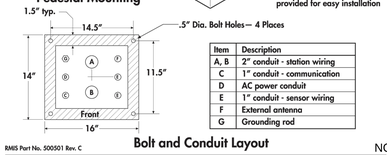
NOT TO SCALE

PIPE PLACEMENT AND TRENCHING | 4

Evolution DX2 Stainless Steel Pedestal Cabinet Installation



Pedestal Mounting



Mounting Template provided for easy installation

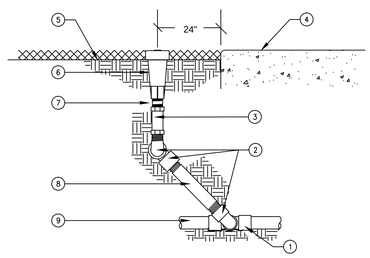
Item	Description
A, B	2" conduit - station wiring
C	1" conduit - communication
D	AC power conduit
E	1" conduit - sensor wiring
F	External antenna
G	Grounding rod

RMS Part No. 500501 Rev. C

Bolt and Conduit Layout

NOT TO SCALE

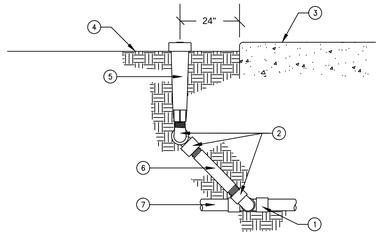
CONTROLLER W/ PEDESTAL | 3



1. PVC TEE OR ELL
2. MARLEX 90° STREET ELLS (3)
3. ADJUSTABLE SPRING CHECK VALVE (KBI OR VALCON)
4. WALK, WALL OR CURB
5. FINISH GRADE
6. 2" POP-UP HEAD
7. SCHEDULE 80 PVC NIPPLE
8. SCHEDULE 80 PVC NIPPLE
9. SPRINKLER LATERAL PIPE

NOT TO SCALE

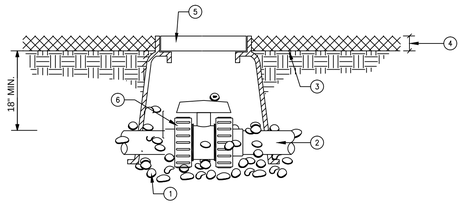
POP-UP BUBBLER HEAD | 2



1. PVC TEE OR ELL
2. MARLEX 90° STREET ELLS (3)
3. WALK, WALL OR CURB
4. FINISH GRADE
5. 6" POP-UP SPRAY HEAD
6. SCHEDULE 80 PVC NIPPLE
7. SPRINKLER LATERAL PIPE

NOT TO SCALE

POP-UP SHRUB HEAD | 1

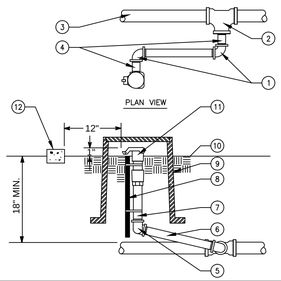


NOTE:
USE 8" CLASS 200 PVC PIPE FOR ANY NECESSARY EXTENSIONS

1. 1 CUBIC FT. PEA GRAVEL
2. MAIN LINE PIPING SIZE PER PLAN - SEE SHEET L2.1
3. FINISH GRADE
4. 1" TURF, 2" G.C. AND SHRUBS
5. 10" ROUND PLASTIC VALVE BOX
6. BALL VALVE

NOT TO SCALE

TRUE UNION BALL VALVE | 8

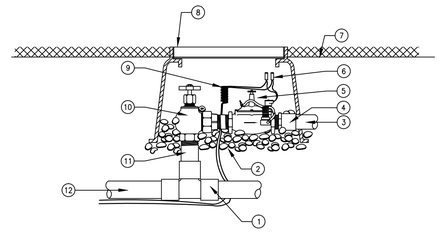


NOTES:
1. NIPPLES AND FITTINGS TO BE SAME SIZE AS VALVE IPT INLET SIZE
2. LOCATE QUICK COUPLING VALVES IN GROUND COVER OR PLANTER AREAS

1. SCH 80 PVC THREADED 90° ELL
2. UPC APPROVED SCH 40 PVC TEE OR ELBOW
3. PVC MAIN LINE
4. 3" LONG SCH 80 PVC THREADED NIPPLE
5. SCH 80 PVC THREADED 90° ELL
6. 10" LONG SCH 80 PVC THREADED NIPPLE
7. 6" LONG SCH 80 PVC THREADED NIPPLE
8. #4 REBAR CLAMPED IN TWO PLACES W/GALV. OR STAINLESS STEEL BANDS
9. 10" DIA. VALVE BOX
10. FINISH GRADE
11. QUICK COUPLING VALVE (SET VALVE & BOX AT FINISH GRADE IN TURF AREAS WHERE APPLICABLE)
12. WALL, WALK, CURB OR HEADER

NOT TO SCALE

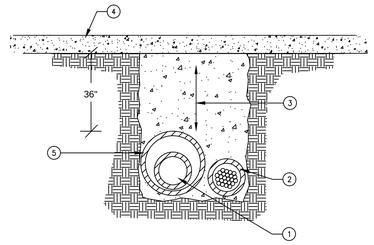
QUICK COUPLER VALVE | 7



1. PVC TEE OR ELL
2. 1 CUBIC FT. PEA GRAVEL
3. PIPE TO SYSTEM
4. PVC MALE ADAPTER
5. REMOTE CONTROL VALVE
6. WATERPROOF CONNECTORS
7. FINISH GRADE
8. VALVE BOX-APPLIED ENGINEERING #1324-12
9. 18" OF WIRE COIL AROUND A 1" PIPE
10. CHAMPION 300 MANUAL ANGLE VALVE
11. SCHEDULE 80 PVC TOE NIPPLE
12. MAIN LINE PIPING

NOT TO SCALE

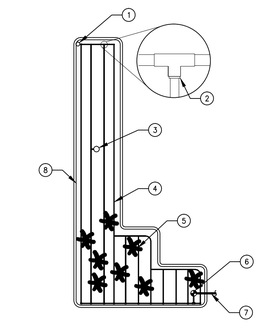
REMOTE CONTROL VALVE | 6



1. MAIN LINE PIPING - SIZE PER PLAN
2. WIRE SLEEVE AND WIRE
3. 1 SACK SLURRY MIX FILL TO BOTTOM OF PAVEMENT
4. PAVEMENT
5. SLEEVE FOR MAIN LINE PIPING 2 X THE DIAMETER OF THE PIPE PASSING THROUGH

NOT TO SCALE

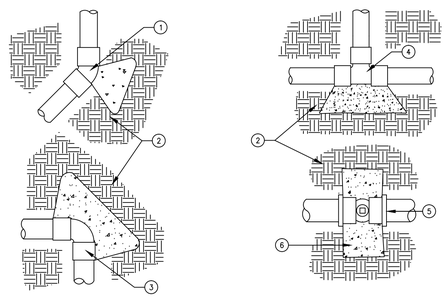
TRENCHING UNDER PAVING | 5



1. FLUSH CAP RAINBIRD #MDCFCAP/COMP FTTG MDCFCOUP
2. COMPRESSION ADAPTER: RAINBIRD 600-CF-1
3. AIR/VACUUM RELIEF VALVE: INSTALL AT HIGH POINT
4. LANDSCAPE DRIPLINE TUBING RAINBIRD#XFD-09-12
5. DRIP LINE ON BOTH SIDE OF SHRUB(TYPICAL)
6. CONTROL ZONE VALVE
7. PRESSURE SUPPLY LINE
8. SUPPLY HEADER SCH.40 PVC WITH RAINBIRD # 600-CF-1 COMPRESSION FTTGS 4" AWAY FROM CURB

NOT TO SCALE

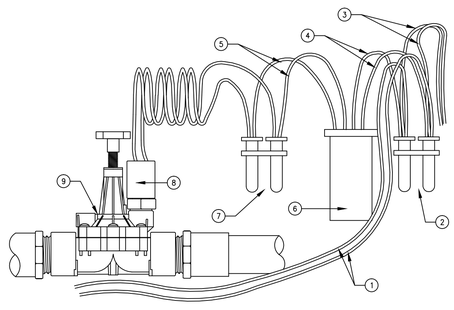
TYPICAL LAYOUT OF DRIP IRRIGATION | 12



1. 45° ELL
2. UNDISTURBED EARTH
3. 90° ELL
4. TEE
5. GATE VALVE
6. CONCRETE (TYPICAL)

NOT TO SCALE

TYPICAL THRUST BLOCKS | 11

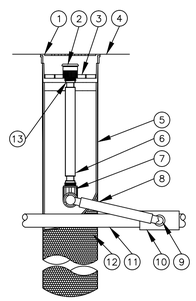


NOTE:
2 WIRE TO BE GROUNDED OUTSIDE THE CONTROLLER AT THE END OF EACH 2 WIRE LINE & EVERY 1,000 FT OR AFTER EVERY 12 DECODER

1. WIRES FROM CONTROLLER (2)
2. HIT DBC-R CONNECTORS
3. WIRES TO NEXT VALVE (2)
4. RED WIRES
5. BLACK WIRES
6. RECIEVER
7. HIT DBC-R CONNECTORS
8. SOLANOID
9. REMOTE CONTROL VALVE

NOT TO SCALE

TYPICAL WIRING FOR REMOTE CONTROL VALVE | 10



NOTES:
1. INSTALL 2 PER TREE ON OPPOSITE SIDE OF THE ROOT BALL.
2. LOCATE 1" FROM ROOT BALL IN PLANTING BASIN.
3. FOR TREES PLANTED IN TURF AREAS OMIT SURFACE BUBBLERS

1. 4-INCH LOCKING GRATE (INCLUDED)
2. BUBBLER: RAINBIRD .5 GPM
3. ROOT WATERING SYSTEM
4. FINISH GRADE/TOP OF MULCH
5. RZWS SLEEVE
6. /2-INCH POLY SWING PIP1E (INCLUDED)
7. 1/2-INCH SPIRAL BARB ELBOW (INCLUDED)
8. 12-INCH SWING ASSEMBLY (INCLUDED)
9. 1/2-INCH MALE NPT INLET (INCLUDED)
10. PVC SCH 40 TEE OR EL
11. PVC OR POLYETHYLENE LATERAL PIPE
12. 4" WIDE X 36" LONG RIGID BASKET WEAVE CANISTER
13. 1/2-INCH STRAIGHT SPIRAL BARB FITTING

NOT TO SCALE

DEEP WATER TREE WELLS | 9

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REGISTERED LANDSCAPE ARCHITECT
RICHARD W. MAYER NO. 1517
Signature
12-31-2024
Renewal Date
12-06-2018
Date
STATE OF CALIFORNIA

WOMEN'S CLUB PARK

200 WEST GREENWOOD AVENUE
LA HABRA, CA 90631

ISSUES / REVISIONS

No.	DATE	DESCRIPTION
1	11/30/22	1ST CITY PLAN CHECK REVIEW
2	02/17/23	2ND CITY PLAN CHECK SUBMITTAL
3	06/08/23	100% CD SUBMITTAL
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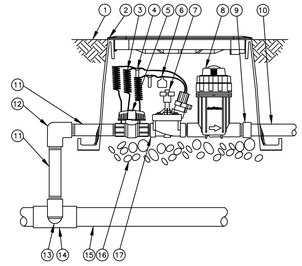
5	12/08/23	100% CD SUBMITTAL

JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:

IRRIGATION DETAILS

SHEET NUMBER:

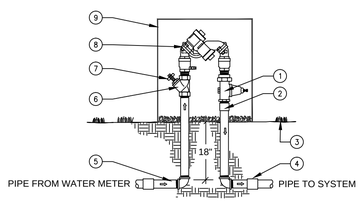
L2.2



1. FINISH GRADE/TOP OF MULCH
2. VALVE BOX WITH COVER: RAIN BIRD VB-STD
3. 30-INCH LINEAR LENGTH OF WIRE, COILED
4. WATERPROOF CONNECTION: RAIN BIRD DB SERIES
5. 1-INCH BALL VALVE (INCLUDED IN XCZ-PRB-100-COM KIT)
6. ID TAG
7. REMOTE CONTROL VALVE: RAIN BIRD PESB (INCLUCED IN XCZ-PRB-100-COM KIT)
8. PRESSURE REGULATING QUICK CHECK BASKET FILTER: RAIN BIRD PRB-QKCHK-100 (INCLUDED IN XCZ-PRB-100-COM KIT)
9. PVC SCH 40 FEMALE ADAPTOR
10. LATERAL PIPE
11. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
12. PVC SCH 40 ELL
13. PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL
14. PVC SCH 40 TEE OR ELL
15. MAINLINE PIPE
16. 3-INCH MINIMUM DEPTH OF ¾" WASHED GRAVEL
17. PVC SCH 80 NIPPLE, CLOSE (INCLUDED IN XCZ-PRB-100-COM KIT)

NOT TO SCALE

DRIP CONTROL VALVE | 4

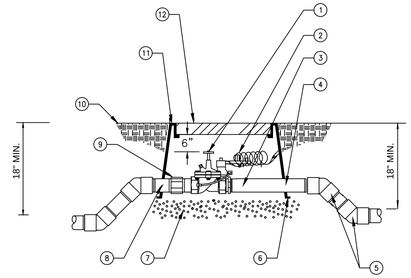


NOTE:
ALL PIPE AND FITTINGS SHALL BE RED BRASS OR COPPER. IF COPPER IS USED, PIPING SHALL BE TYPE K.

1. PRESSURE REGULATOR VALVE SET AT 65 P.S.I.
2. CXMIP ADAPTER IF COPPER IS USED (TYPICAL)
3. FINISH GRADE
4. SCHEDULE 40 PVC COUPLING LINE SIZE (2)
5. SCHEDULE 80 PVC TOE NIPPLE (2)
6. WYE STRAINER
7. BALL VALVE
8. "N" PATTERN BACKFLOW PREVENTER FEBCO 825YA
9. METAL BACKFLOW ENCLOSURE: STRONG BOX BC-30CR, COLOR: GREEN OR EQUAL. CONTRACTOR SHALL INSTALL PER MFG. SPECIFICATIONS. SEE DETAIL #9 ON THIS SHEET

NOT TO SCALE

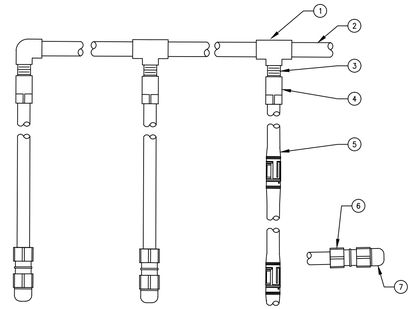
BACK FLOW PREVENTER W/ENCLOSURE | 3



1. MASTER CONTROL VALVE WITH FLOW CONTROL AND MANUAL BLEED
2. VALVE CONTROL WIRE - USE PEN-TITE CONNECTORS AND 36" OF EXCESS OF WIRE IN A 1" DIAMETER COIL
3. SCH 80 PVC THREAD/NIPPLE
4. SCH 80 PVC NIPPLE LENGTH AS REQUIRED
5. MAIN LINE WITH SCH 80 PVC 45° ELBOWS
6. 2"x4" NOM. RECYCLED PLASTIC LUMBER
7. PEA GRAVEL - 4" DEEP BELOW VALVE (NO SOIL IN VALVE BOX)
8. SCHEDULE 80 PVC THREADED FITTINGS (AS REQUIRED)
9. SCH.80 PVC UNION
10. FINISH GRADE
11. RECTANGULAR PLASTIC VALVE BOX WITH BOLT DOWN LID. ONE VALVE PER BOX, NO EXCEPTIONS. TOP DIMENSION: 11 3/4" x 17" (12" DEEP)
12. ROUTE OR BRAND MV INTO LID

NOT TO SCALE

MASTER VALVE | 2



1. PVC SCH 40 TEE OR ELL
2. PVC LATERAL PIPE
3. RAIN BIRD EASY FIT COMPRESSION ADAPTER
4. EASY FIT COMPRESSION COUPLING: RAIN BIRD MDCFCOUP
5. LANDSCAPE DRIPLINE TUBING: RAIN BIRD #XFD-09-12 4" FROM EDGE OF CURB/PLANTER
6. EASY FIT COMPRESSION COUPLING: RAIN BIRD MDCFCOUP
7. EASY FIT COMPRESSION FLUSH CAP: RAIN BIRD MDCFCAP

NOT TO SCALE

DRIP LINE LATERALS | 1

NOTES:
1. ALL VALVE BOXES TO BE PLACED IN SHRUB AREAS WHERE POSSIBLE. SET VALVE BOX 1/2" ABOVE FINISH GRADE IN LAWN AREAS, 1" IN PLANTING AREAS AND 12" MIN FROM EDGE OF HARDSCAPE.
2. CLOSED NIPPLES OR BUSHINGS ARE NOT ALLOWED.
3. USE TEFLON TAPE BETWEEN TWO DISSIMILAR MATERIAL.
4. GALVANIZED NIPPLE SHALL NOT BE USED.

1. VALVE BOX W/BOLT-DOWN COVER. HEAT BRAND "PR" ON VALVE BOX LID IN 2" HIGH CHARACTERS.
2. FINISH GRADE
3. CHRISTY'S I.D.TAG -NUMBERED TO MATCH DRAWINGS AND CHRISTY'S RECYCLED WATER WARNING TAG.
4. PRESSURE REGULATOR VALVE - LINE SIZE
5. BRASS NIPPLE
6. BRASS UNION
7. VALVE BOX EXTENSION (AS REQUIRED)
8. PVC SCH 80 ADAPTOR
9. 1/4"SQ 16GA. GALV. WELDED WIRE MESH
10. IRRIGATION MAINLINE
11. THREE (3) RED CONCRETE BRICK SUPPORTS
12. 3/4" WASHED GRAVEL (12" DEEP)

NOT TO SCALE

PRESSURE REGULATOR | 8

NOTE:
INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

1. FINISH GRADE
2. VALVE BOX PER PLAN
3. CONTROL WIRES WITH 12" MIN. SERVICE COIL AND WATERPROOF WIRE SPLICE CONNECTORS - WIRE COLORS PER SPECIFICATIONS
4. RAINBIRD FS-100-B FLOW SENSOR
5. PVC 45 DEGREE ELL (TYP.)
6. MINIMUM 10x PIPE DIAMETER UPSTREAM & MINIMUM 5x PIPE DIAMETER DOWNSTREAM OF STRAIGHT PIPE
7. PVC 45 DEGREE ELL (TYP.) BUSH DOWN TO FLOW METER SIZE AS NECESSARY
8. PVC MAINLINE - LENGTH AS REQUIRED - SEE SPECIFICATIONS FOR TYPE AND DEPTH
9. 3-INCH MINIMUM DEPTH OF 3/4" WASHED GRAVEL
10. CONTINUOUS BRICK SUPPORTS
11. VALVE BOX EXTENSIONS AS REQUIRED

NOT TO SCALE

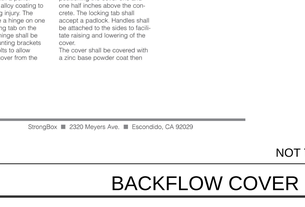
FLOW SENSOR | 7

NOTE:
ALLOW A MINIMUM OF 6-INCHES OF DRIPLINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

1. MULCH
2. FLUSH CAP FOR EASY FIT COMPRESSION FITTINGS: POTABLE:RAIN BIRD MDCFCAP
3. EASY FIT COUPLING: RAIN BIRD MDCFCOUP
4. SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB 7XB
5. ½" POLYETHYLENE TUBING: RAIN BIRD XF BLANK TUBING
6. FINISH GRADE
7. PVC EXHAUST HEADER
8. PVC SCH 40 TEE OR EL
9. BARB X MALE FITTING: RAIN BIRD XFF-MA FITTING (TYPICAL)
10. ON-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFCV DRIPLINE
11. 3-INCH MINIMUM DEPTH OF ¾" WASHED GRAVEL
12. RED CONCRETE BRICK (1 OF 2)

NOT TO SCALE

FLUSH CAP | 6



1. FINISH GRADE
2. SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB 7XB
3. ½" AIR RELIEF VALVE: RAIN BIRD ARV050 TO BE INSTALLED AT HIGH POINTS IN DRIP ZONE
4. PVC SCH 40 FEMALE ADAPTER
5. PVC SCH 80 RISER
6. RED CONCRETE BRICK (1 OF 2)
7. PVC HEADER PIPE
8. PVC SCH 40 TEE
9. 3" MINIMUM DEPTH OF ¾" WASHED GRAVEL

NOT TO SCALE

AIR RELIEF VALVE | 5

NOT TO SCALE

|

NOT TO SCALE

|

NOT TO SCALE

|

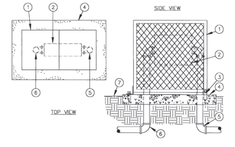
STRONGBOX

EXPANDED METAL BACKFLOW COVER

BACKFLOW COVER

MODELS: BC-30CR, BC-45CR,

INSTALLATION DETAILS



1. Expanded Metal Backflow Enclosure
2. Backflow Preventor
3. Anchor Bracket
4. Poured Concrete Base – 6" minimum thickness – extend 4" beyond outside dimensions of enclosure
5. Water Service Inlet Pipe
6. Water Service Outlet Pipe
7. Finish Grade

SPECIFICATIONS

The backflow cover shall be of a vandal resistant nature manufactured of formed and expanded metal, coated with a performance polymer alloy coating to prevent handling injury. The cover shall have a hinge on one end and a locking tab on the other end. The hinge shall be attached to mounting brackets with carriage bolts to allow removal of the cover from the hinges. The mounting brackets shall be submerged into the concrete a minimum of two inches, positioning the cover one and one half inches above the concrete. The locking tab shall accept a padlock. Handles shall be attached to the sides to facilitate raising and lowering of the cover.
The cover shall be covered with a zinc base powder coat then powder coated with a polyester TGIC coating having a minimum thickness of 2.5 mils.

NOT TO SCALE

BACKFLOW COVER | 9

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Ph:(310) 738-2088
E-mail: jmassoud@trollermayer.com

REGISTERED LANDSCAPE ARCHITECT
RICHARD W. MAYER NO. 1517
Signature
12-31-2024
Renewal Date
12-08-2018
Date
STATE OF CALIFORNIA

WOMEN'S CLUB PARK

200 WEST GREENWOOD AVENUE
LA HABRA, CA 90631

ISSUES / REVISIONS

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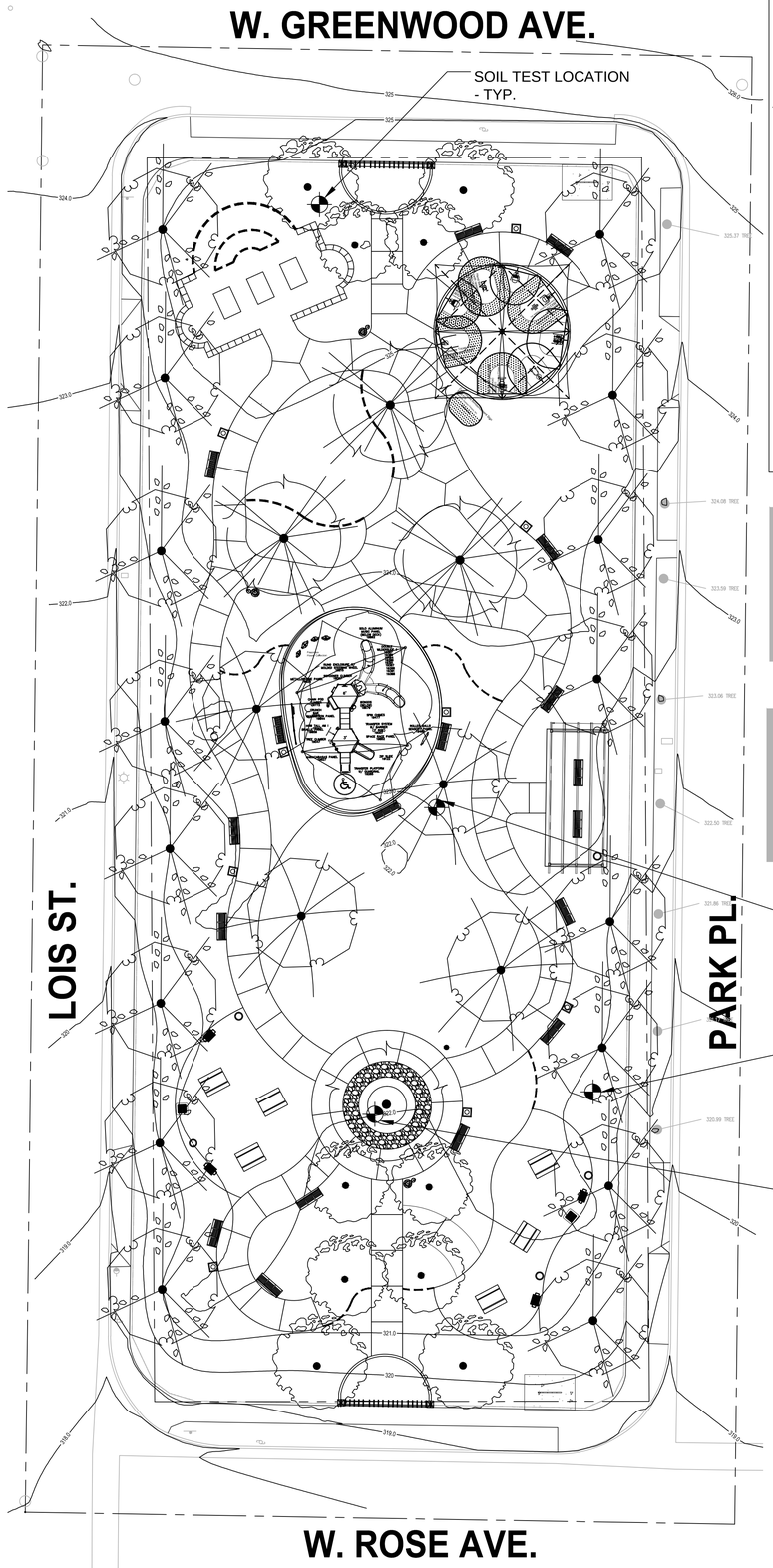
JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:

IRRIGATION DETAILS

SHEET NUMBER:

L2.3



TREE LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	WUCOLS FACTOR
CANOPY TREES				
	PLATANUS ACERIFOLIA	LONDON PLANE	24" BOX	MEDIUM
	TRISTANIA CONFERTA	BRISBANE BOX	36" BOX	LOW
ACCENT TREES				
	LAGERSTROEMIA INDICA 'NATCHEZ'	NATCHEZ APE MYRTLE	24" BOX	MEDIUM
	TABEBUIA IMPETIGINOSA	PINK TRUMPET TREE	24" BOX	MEDIUM
	OLEA EUROPAEA 'SWAN HILL'	SWAN HILL FRUITLESS OLIVE	36" BOX MULTI	LOW
	PARKINSONIA X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	24" BOX	LOW

CANOPY TREES

PLATANUS ACERIFOLIA (LONDON PLANE)

TRISTANIA CONFERTA (BRISBANE BOX)

ACCENT TREES

LAGERSTROEMIA 'NATCHEZ' (CRAPE MYRTLE)

TABEBUIA IMPETIGINOSA (PINK TRUMPET TREE)

OLEA EUROPAEA 'SWAN HILL' (SWAN HILL FRUITLESS OLIVE)

PARKINSONIA X 'DESERT MUSEUM' (DESERT MUSEUM PALO VERDE)

16 0 16 32 48

GRAPHIC SCALE -1/16" = 1'-0"

NORTH

PLANTING NOTES

1. Before the demolition or start of construction, the Contractor shall contact the Landscape Architect, Civil Engineer and Owner's Representative to schedule a pre-construction meeting. During this meeting, all site conditions and Construction Documents shall be reviewed. All existing trees shall be preserved. Failure to call for said meeting implies acceptance by the Contractor of trees to be preserved in their existing condition as well as any liability for removing trees that are designated "Protect in Place".
2. Landscape Contractor shall procure and reserve plant material at start of contract to ensure availability and quality.
3. Before the demolition and removal of ANY landscape material refer to the Civil Engineer 'Demolition Plan' and Tree Protection Specifications on Sheet L-4.1.
4. Plants are shown diagrammatically on plan therefore plant spacing in Planting Notes takes precedence to plants shown on the plan. Contractor is to calculate quantity of plants called for and install all that are shown on plan at the spacing in the legend.
5. Nursery images of all trees, shrubs and groundcover shall be submitted as part of the Landscape Submittal as required by the Landscape Specifications on Sheet L4.3 and L4.4. Images shall be submitted to the Landscape Architect for approval prior to planting see Landscape Specifications on Sheet L4.3 and L4.4. Images shall include height of plant and width. Submittal must be submitted (3) three weeks prior to any landscape or irrigation work commences.
6. All Landscape Planting, Irrigation and Paving damaged by contractor shall be repaired and approved by Owner's Representative before 100% completion of construction at no additional cost to the Owner's.
7. Finish grade shall be 2" below all walks/curbs for areas to receive shrub and/or groundcover and mulch.
8. In order to achieve a smooth, even finish grade, additional soil may need to be added to the planting areas. Refer the the Landscape Specifications on Sheet L4.3 and L4.4 for additional information on imported soil.
9. Finish grade shall be 1" below all walks/curbs for areas to receive turf.
10. All trenches, holes, and divots from construction work in areas of existing turf/shrub areas to remain shall be patch/repaired and re-seeded/re-mulched. Infill soil shall be installed to all trenches, holes and divots as to re-establish uniform finish grade. Soil shall be compacted to 85% prior to re-seeding/re-mulching. See Landscape Specifications 02900 for further info.
11. Finish grade shall slope 2% away from structures and towards swales (when applicable)
12. Mulch shall be a 3" thick layer and shall be spread beneath and in between all new and existing shrubs, groundcover and trees within the scope of work so as to leave soil completely covered with mulch. Samples of the mulch shall be a part of the Landscape Submittal to the Landscape Architect. Mulch type shall be per the landscape specifications.
13. Water Percolation -- Contractor to dig a test planting pit, 3'-0" square and 3'-0" deep; fill pit with water up to 2'-0" from bottom and mark location and check level in 24 hours. If standing water is present, Contractor to contact Owner's Representative and Landscape Architect and it will be determined if a sump pump must be implemented.
14. Contractor to conduct eight (8) soil tests at the locations marked on this sheet with the symbol: ⌖ These tests are to determine recommended amounts of fertilizer and harmful substances, if any. See specifications for soil testing, quantities of testing at the marked locations and information of existing and imported soil.
15. During soil preparation amend with Gypsum (Agricultural Calcium Sulfate Ca SO4) per amount recommended by the soil test results. See Landscape Specifications on Sheet L4.3 and L4.4 for further information.
16. All new and existing planting areas shall be free of construction debris, rocks, form boards, weeds etc. See Landscape Specifications on Sheet L4.3 and L4.4 .
17.Complete Roundup Herbicide weed abatement (weed and kill process for 8 weeks) in areas of re-grading and turf removal per Specifications 02900, Art.3.03B. Verify in the field, with Owner Representative, all areas to receive Roundup before its application. Do not use Roundup in areas where existing landscaping and turf are to remain.
18.All new trees to be installed adjacent to any hardscape areas (street curbs, driveways, and sidewalks) shall include linear root barriers. The root barrier should extend 5' on either side of the tree trunk for a total length of 10'. Install barriers from Deep Root, (800) 766-8835. See Detail for typical installation.
Specification follows:
   A. For (36" box, 24" box, & 15 gal.) trees planted within the limit of: Curbs and Driveways use MODEL#UB18-2
   B. For (36" box, 24" box, & 15 gal.) trees planted within the limit of: Sidewalks and concrete drainage swales use MODEL#LB12-2
19. Tilling: All planting areas in the park that area 90% soil compaction or above shall be cross-ripped 12" on center to a maximum depth of 10" below grade and follow with rototillage to reduce soil clods to a maximum diameter of 1 -inch in the top 8 inches. Remove stones and foreign matter over one half (1/2) inch in diameter from upper 8" of soil. Planting areas too small for power equipment shall be hand dug and tilled to a depth of 10" below grade. (All tilling shall be completed prior to adding conditioners and fertilizers, unless occupied by existing trees that remain in place). Any part of the irrigation system, including heads, damaged during tilling shall be replaced with new equipment.

A CARING COMMUNITY EST. 1925 CITY OF LA HABRA

Troller Mayer Associates, Inc
Landscape Architecture Planning Urban Design
1403 Kenneth Road, Suite B
Glendale, Ca 91201-1421
23545 Crenshaw Blvd., Suite 211
Torrance, CA 90505
Ph:(310) 738-2088
E-mail: jmassoud@trollermayer.com

REGISTERED LANDSCAPE ARCHITECT
RICHARD W. MAYER NO. 1517
Signature
12-31-2024
Renewal Date
12-08-2018
Date
STATE OF CALIFORNIA

WOMEN'S CLUB PARK

200 WEST GREENWOOD AVENUE
LA HABRA, CA 90631

ISSUES / REVISIONS

No.	DATE	DESCRIPTION
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3	06/08/23	100% CD SUBMITTAL
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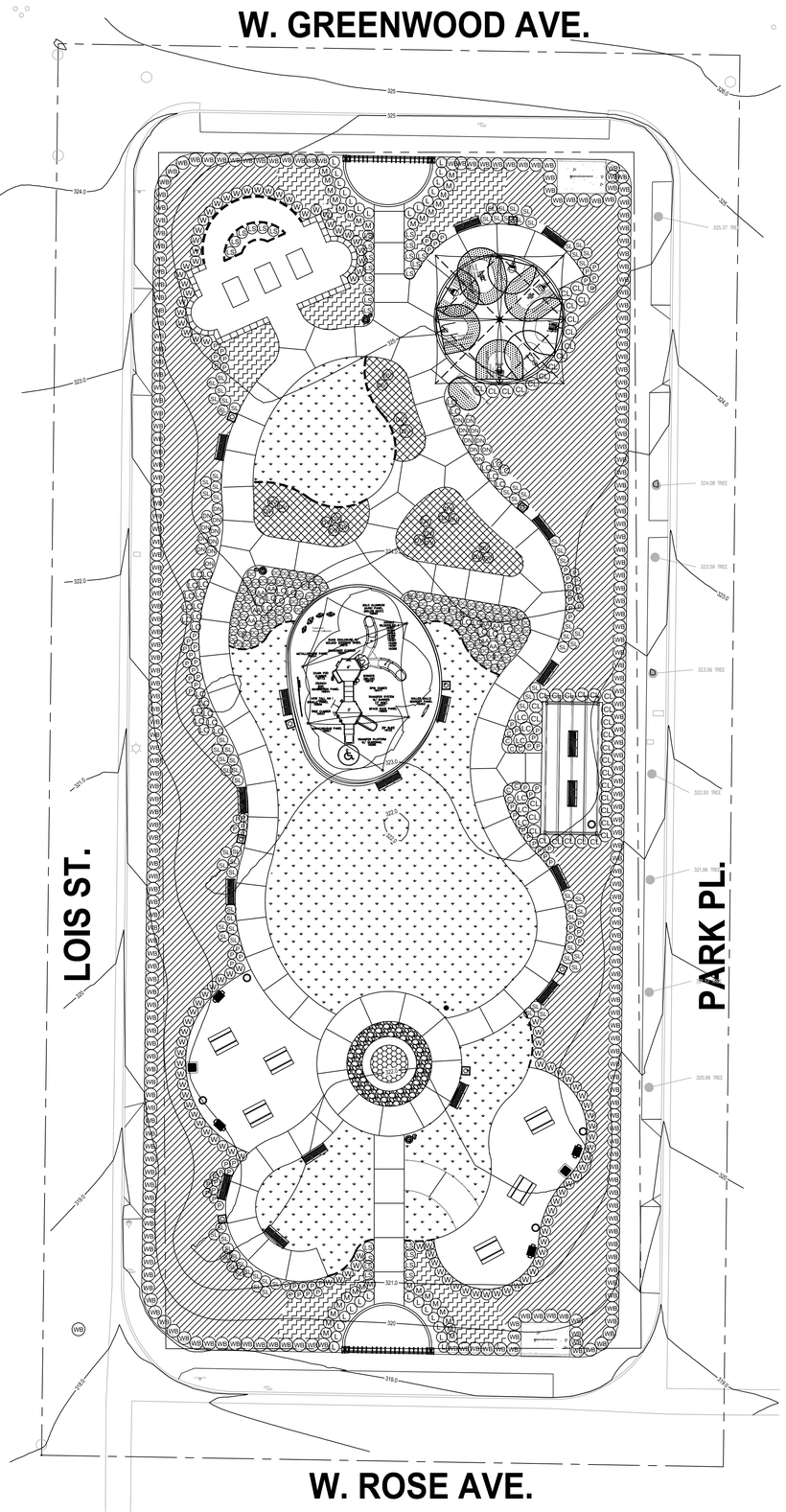
5	12/08/23	100% CD SUBMITTAL

JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:

TREE PLANTING PLAN

SHEET NUMBER:

L3.1



PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	WUCOLS PLANT FACTOR
SHRUBS & GROUNDCOVER					
Ⓒ	CALANDRINIA GRANDIFLORA	ROCK PURSLANE	1 GAL.	24" O.C.	LOW
CL	CALLISTEMON 'LITTLE JOHN'	DWARF BOTTLEBRUSH	5 GAL.	36" O.C.	LOW
DN	DIETES 'NOLA ALBA'	KATRINA AFRICAN IRIS	5 GAL.	24" O.C.	MODERATE
DC	DIANELLA CAERULEA 'CASSA BLUE'	BLUE FLAX LILY	1 GAL.	24" O.C.	MODERATE
DV	DIANELLA TASMANICA 'VARIEGATA'	VARIEGATED FLAX LILY	5 GAL.	30" O.C.	MODERATE
L	LANTANA 'NEW GOLD'	NEW GOLD LANTANA	5 GAL.	24" O.C.	LOW
LS	LAVANDULA STOECHAS 'OTTO QUAST'	SPANISH LAVENDER	5 GAL.	30" O.C.	LOW
LC	LEYMUS CONDENSATUS 'CANYON PRINCE'	CANYON PRINCE WILD RYE	5 GAL.	24" O.C.	LOW
M	MYRTUS COMMUNIS 'COMPACTA VARIEGATA'	VARIEGATED DWARF MYRTLE	5 GAL.	30" O.C.	LOW
P	PENNISETUM SPATHIOLATUM	SLENDER VELDT GRASS	5 GAL.	24" O.C.	MODERATE
SL	SALVIA LEUCOPHYLLA	PURPLE SAGE	5 GAL.	30" O.C.	LOW
W	WESTRINGIA FRUTICOSA 'GREY BOX'	GREY BOX COAST ROSEMARY	5 GAL.	30" O.C.	LOW
WB	WESTRINGIA 'BLUE GEM'	BLUE GEM WESTRINGIA	5 GAL.	3' O.C.	LOW
GROUNDCOVER					
	BACCHARIS PILULARIS 'PIGEON POINT	DWARF COYOTE BRUSH	5 GAL.	24" O.C.	LOW
	LANTANA CAMARA 'CONFETTI'	YELLOW-PINK-PURPLE BUSH LANTANA	5 GAL.	30" O.C.	LOW
	WESTRINGIA FRUTICOSA MUNDI	LOW COAST ROSEMARY	5 GAL.	30" O.C.	LOW
ROSE GARDEN					
	MIX VARIETIES OF SHRUB ROSES		15 GAL.	3' O.C.	MODERATE
TURF					
	HYBRID BERMUDA TURF				

SHRUB / GROUND COVER

CALANDRINIA GRANDIFLORA

CALLISTEMON 'LITTLE JOHN'

DIETES 'NOLA ALBA'

DIANELLA CAERULEA 'CASSA BLUE'

DIANELLA TASMANICA 'VARIEGATA'

LANTANA 'NEW GOLD'

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SALVIA LEUCANTHA 'SANTA BARBARA'

PENNISETUM SPATHIOLATUM

WESTRINGIA FRUTICOSA 'GREY BOX'

WESTRINGIA 'BLUE GEM'

BACCHARIS PILULARIS 'PIGEON POINT'

SHRUB / GROUND COVER

LANTANA 'CONFETTI'

WESTRINGIA FRUTICOSA MUNDI

NORTH

16 0 16 32 48

GRAPHIC SCALE –1/16" = 1'–0"

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REGISTERED LANDSCAPE ARCHITECT
RICHARD W. MAYER NO. 1517
Signature
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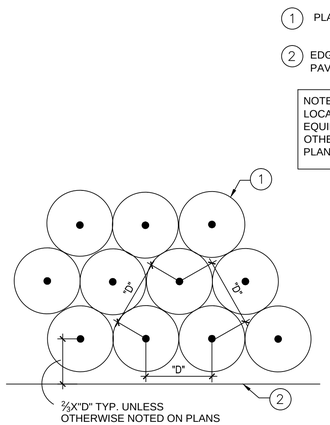
JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:

SHRUB PLANTING PLAN

SHEET NUMBER:

L3.2



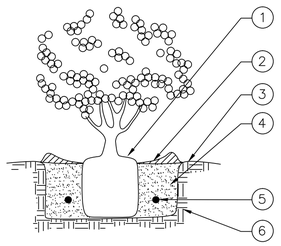
1. PLANT LOCATIONS
2. EDGE OF PLANTING BED, PAVING, WALK, WALL, OR CURB

NOTE:
LOCATE ALL PLANTS SPACED EQUIDISTANT ("D") FROM EACH OTHER AS NOTED ON PLANTING LEGEND.

⅔X"D" TYP. UNLESS OTHERWISE NOTED ON PLANS

NOT TO SCALE

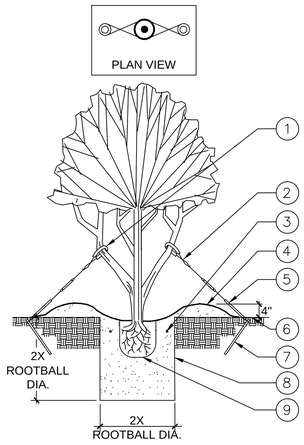
SHRUB SPACING | 4



1. CROWN OF PLANT TO BE 1/2" ABOVE FINISH GRADE
2. DEPRESSED WATERING BASIN W/ 3" LAYER OF MULCH (SEE SHEET L4.2 FOR SPECS.)
3. FINISH GRADE
4. BACKFILL MIX: 85% NATIVE SOIL BY VOLUME 15% ORGANIC AMEND BY VOLUME (3-5% ON A DRY WEIGHT BASIS - SEE SHEET L4.2 FOR SPECS.)
5. FERTILIZER TABLETS (SEE SHEET L4.2 FOR SPECS.)
6. NATIVE SOIL

NOT TO SCALE

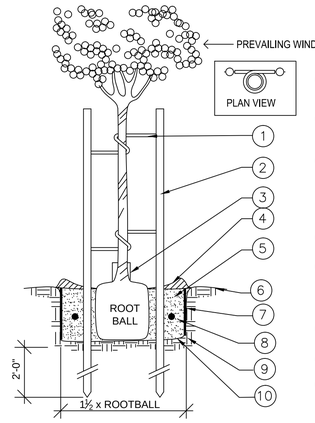
SHRUB PLANTING | 3



1. 12" LONG X 1/2"Ø REINFORCED RUBBER HOSE OVER WIRE @ TRUNK (TYP.) OR 3/16"Ø X 11/2" GALV. LAG THREAD SCREW EYE IF BRANCH CALIPER EXCEEDS 2"Ø
2. GALV. GUY WIRE (NO SPLICES) 10G. W/ TURNBUCKLE
3. FERTILIZER TABLETS. -SEE SHEET L4.2 FOR SPECS.
4. EARTH WATERING BASIN RAKE SMOOTH PRIOR TO SEEDING
5. 1/2" X 36" WHITE PVC SLEEVE - 1 EA. PER GUY WIRE
6. FINISH GRADE
7. STAKES-2X2X30" RWD OR 1"X30" GALV IRON PIPE
8. BACKFILL MIX: 85% NATIVE SOIL BY VOLUME 15% ORGANIC AMEND BY VOLUME (3-5% ON A DRY WEIGHT BASIS - SEE SHEET L4.2 FOR SPECS)
9. ROOTBALL, SET CROWN FLUSH W/FINISH GRADE

NOT TO SCALE

MULTI TREE PLANTING | 2



1. 'CINCH TIES' (#CT32) BY V.I.T. PRODUCTS INC. NAILED TO STAKES W/ GALV. ROOFING NAILS
2. 2"Ø TREATED LODGEPOLE PINE STAKES
3. 'ARBOR-GARD' (AG 9-4) BY 'DEEP ROOT' - LAWN AREA ONLY
4. DEPRESSED WATERING BASIN FILL W/ 3" LAYER OF MULCH PER SPECIFICATIONS.
5. BACKFILL MIX: 85% NATIVE SOIL BY VOLUME 15% ORGANIC AMEND BY VOLUME (3-5% ON A DRY WEIGHT BASIS - SEE SHEET L4.2 FOR SPECS)
6. FINISH GRADE
7. LINEAR ROOT CONTROL BARRIER (FOR TREES PLANTED WITHIN 6 FEET OF WALKWAY OR OTHER HARDSCAPE.)
8. FERTILIZER TABLETS (SEE SHEET L4.2 FOR SPECS.)
9. NATIVE SOIL
10. PLANTING PIT SHALL BE EXCAVATED PLUMB AND ALL SIDES SCARIFIED

NOT TO SCALE

TREE PLANTING - DOUBLE STAKED | 1

WALLACE LABS
365 Coral Circle
El Segundo, CA 90245
(310) 615-0116

SOILS REPORT

Print Date Aug. 3, 2023 Receive Date 8/2/23
Location Women's Club Park Drawings, 200 West Greenwood Avenue, City of La Habra, CA
Requester John Massoud, Troller Mayer Associates
graphic interpretation: * very low, ** low, *** moderate

ammonium bicarbonate/DTPA * * * * high, * * * * very high

extractable - mg/kg soil			
Interpretation of data	Sample ID Number	23-215-36	
low medium high	Sample Description	Soil Sample Received 08/02/2023	
	elements		graphic
0 - 7 8-15 over 15	**phosphorus**	33.12	*****
0-60 60 -120 121-180	**potassium**	308.09	*****
0 - 4 4 - 10 over 10	**iron**	22.64	*****
0- 0.5 0.6- 1 over 1	**manganese**	29.66	*****
0 - 1 1 - 1.5 over 1.5	**zinc**	28.42	*****
0- 0.2 0.3- 0.5 over 0.5	**copper**	6.03	*****
0- 0.2 0.2- 0.5 over 1	**boron**	0.21	***
	calcium	365.71	***
	magnesium	173.87	*****
	sodium	36.20	*
	sulfur	38.79	**
	molybdenum	0.13	****
	nickel	2.09	**
The following trace	**aluminum**	n d	*
elements may be toxic	**arsenic**	0.07	*
The degree of toxicity	**barium**	0.78	*
depends upon the pH of	**cadmium**	0.60	*
the soil, soil texture,	**chromium**	0.04	*
organic matter, and the	**cobalt**	0.33	*
concentrations of the	**lead**	18.89	***
individual elements as	**lithium**	0.18	*
well as to their interactions.	**mercury**	n d	*
	selenium	n d	*
The pH optimum depends	**silver**	n d	*
upon soil organic	**strontium**	2.35	*
matter and clay content-	**tin**	n d	*
for clay and loam soils:	**vanadium**	0.73	*
under 5.2 is too acidic			
6.5 to 7 is ideal	**Saturation Extract**		
over 9 is too alkaline	**pH value**	6.69	***
The ECe is a measure of	**ECe (milli-**	0.84	***
the soil salinity:	**mho/cm)**		millieq/l
1-2 affects a few plants	**calcium**	135.5	6.8
2-4 affects some plants,	**magnesium**	31.6	2.6
> 4 affects many plants.	**sodium**	23.6	1.0
	potassium	36.2	0.9
	cation sum		11.3
problems over 150 ppm	**chloride**	35	1.0
good 20 - 30 ppm	**nitrate as N**	1	0.1
	phosphorus as P	5.7	0.2
toxic over 800	**sulfate as S**	31.9	2.0
	anion sum		3.3
toxic over 1 for many plants	**boron as B**	0.17	*
increasing problems start at 3	**SAR**	0.5	*
est. gypsum requirement-lbs./1,000 square feet		6	
	calculated percolation rate inches/hour	1.80	
	soil texture	loam	gravel > 2 mm
	sand	45.0%	2.3%
	silt	36.4%	gravel > 1/4 inch
	clay	18.5%	0.5%
	lime (calcium carbonate)	no	gravel > 1/2 inch
	Total nitrogen	0.470%	0.0%
	Total organic carbon	5.325%	
	carbon:nitrogen ratio	11.3	
	organic matter based on carbon	10.65%	hydrophobic
	moisture content of soil	4.1%	
	half saturation percentage	36.7%	

Elements are expressed as mg/kg dry soil or mg/l for saturation extract.
pH and ECe are measured in a saturation paste extract. nd means not detected.
Analytical data determined on soil fraction passing a 2 mm sieve.

Soil Analyses Plant Analyses Water Analyses

For the preparation on a volume basis, homogeneously blend the following materials into the soil. Rates are expressed per cubic yard:

Calcium nitrate (15.5-0-0) - 1/4 pound
Agricultural gypsum – 1 pound

Scratch the soil surface to make a coarse surface in order to help collect water and to prevent runoff, especially for hydrophobic soils.

Irrigate hydrophobic areas slowly. Use multiple starts and soaking periods between irrigation cycles. Slightly moist soils are easier to wet than dry soils. Balance soil aeration with soil moisture.

For site maintenance, apply calcium nitrate (15.5-0-0) at 6 pounds per 1,000 square feet about once per quarter. Surface irrigate after applying nutrients.

Monitor the site with periodic soil and leaf tissue testing. Adjust the maintenance program as needed.

Sincerely,

Garn A. Wallace, Ph. D.
GAW:n

WALLACE LABORATORIES, LLC

365 Coral Circle
El Segundo, CA 90245
phone (310) 615-0116 fax (310) 640-6863

August 4, 2023

John Massoud, JMassoud@trollermayer.com
Troller Mayer Associates
1403 Kenneth Road, Suite B
Glendale, CA 91201-1421

RE: Soil Management Report
Women's Club Park Drawings, 200 West Greenwood Avenue, City of La Habra, CA
Soil Sample Received 08/02/2023, Our ID No. 23-215-36

Dear John,

The pH is modestly acidic at 6.69. The salinity is moderate at 0.84 millimho/cm.

Nitrogen is low. Sulfur is modest. Boron is moderate. Phosphorus, potassium, iron, manganese, zinc, copper and magnesium are high. Plant-available lead is moderate.

Available sodium is low. SAR (sodium adsorption ratio) is 0.5.

The texture is loam. Based on the non-gravel fraction, it contains 45.0% sand, 36.4% silt and 18.5% clay. The gravel content is 2.3%.

Soil organic matter is high at 10.7% on a dry weight basis. The carbon:nitrogen ratio is good at 11.3.

The estimated rate of water percolation based on Soil Water Characteristics version 6.02.74 model developed by Keith Saxton of the USDA is moderate at 1.80 inches per hour for normal soil compaction. The model is based on the soil texture, percent gravel and percent soil organic matter.

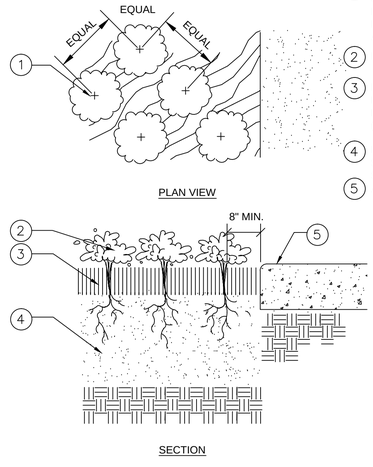
The soil is hydrophobic. It is difficult to wet. Water beads up on the soil surface initially and then slowly moves into the soil.

Recommendations

General soil preparation on a square foot basis. Broadcast the following uniformly; rates are per 1,000 square feet for a 6-inch lift. Incorporate them homogeneously 6" deep.

Calcium nitrate (15.5-0-0) - 6 pounds
Agricultural gypsum - 20 pounds

Soil Analyses Plant Analyses Water Analyses



1. LOCATE ALL PLANTS SPACED EQUIDISTANT (EQUAL) FROM EACH OTHER WITH SPACING AS NOTED ON SHEET L3.2
2. PLANT SPACING AS PER PLAN
3. INSTALL 3" LAYER OF MULCH BEFORE PLANTING. - KEEP MULCH OFF PLANT STEMS. (SEE SHEET L4.2 FOR SPECS.)
4. PREPARE BED AS PER SPECIFICATIONS (SEE SHEET L4.2 FOR SPECS.)
5. ADJACENT PAVING

NOT TO SCALE

G.C. SPACING/PLANTING | 5

Underground Service Alert
Call: TOLL FREE 1-800 422-4133
TWO WORKING DAYS BEFORE YOU DIG

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RICHARD W. MAYER NO. 1517
Signature
12-31-2024
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JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:

PLANTING DETAILS & SOILS REPORT

SHEET NUMBER:

L3.3

SECTION 02810
LANDSCAPE IRRIGATION SYSTEM

1.0 GENERAL
1.1 DESCRIPTION:

A. Division 1 applies to this Section. Provide all labor, materials, appliances, tools, equipment, facilities, transportation, and services necessary for and incidental to performing all operations in connection with furnishing, delivery, and installation of the Work of this Section, complete as shown on the Drawings and/or specified herein.

B. Work In This Section: Principal items include:

1. Irrigation mains.
2. Laterals.
3. Sprinkler heads.
4. Control valves.
5. Coupler valves, etc.
6. Automatic controllers.

C. Related Work Not In This Section: Examine all Sections for Work related to Work of this Section; principal items of which are:

1. Section 01532 - Tree Protection
Section 02900 - Landscape
2. Section 02970 - Landscape Maintenance

1.2 QUALITY ASSURANCE AND REQUIREMENTS:

A. Permits and Fees: Contractor shall obtain and pay for any and all permits and all inspections as required.

B. Manufacturer's Directions: The manufacturer's directions and detailed drawings shall be followed in all cases where the manufacturers of articles used in this contract furnish directions covering points not shown in the Drawings and Specifications.

C. Ordinances and Regulations: All local, municipal and state laws, and rules and regulations governing or relating to any portion of this Work are hereby incorporated into and made a part of these Specifications, and their provisions shall be carried out by the Contractor. Anything contained in these Specifications shall not be construed to conflict with any of the above rules and regulations or requirements of the same. However, when these Specifications and Drawings call for, or describe materials, workmanship, or construction of a better quality, higher standard, or larger size than is required by the above rules and regulations, the provisions of these Specifications and Drawings shall take precedence.

D. Explanation of Drawings:

1. Due to the scale of the Drawings, it is not possible to indicate all offsets, fittings, sleeves, etc. which may be required. The Contractor shall carefully investigate the structural and finished conditions affecting all of his Work and plan his Work accordingly, furnishing such fittings, etc., as may be required to meet such conditions. Drawings are diagrammatic and indicative of the Work to be installed. The Work shall be installed in such a manner as to avoid conflicts between Irrigation systems, planting, and architectural features.

2. All Work called for on the Drawings by notes or details shall be furnished and installed whether or not specifically mentioned in Specifications.

3. Contractor shall not willfully install the irrigation system as shown on the Drawings when it is obvious in the field that obstructions, grade differences or discrepancies in area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the Owner's authorized representative. In the event this notification is not performed, Contractor shall assume full responsibility for any revision necessary.

4. Work of this Section which is allied with the Work of other trades shall be coordinated as necessary.

E. Underwriters Laboratories: Electrical wiring, controls, motors, and devices shall be UL listed and so labeled.

1.3 SUBMITTALS:

A. (SD_60) Materials List:

1. The Contractor shall furnish the articles, equipment, materials, or processes specified by name in Drawings and Specifications. No substitutions will be allowed without prior written acceptance by the Architect.

2. Complete material list shall be submitted prior to performing any Work. Material list shall include manufacturer, model number, and description of all materials and equipment to be used.

3. Equipment or materials installed or furnished without prior approval of the Architect may be rejected and the Contractor required to remove such materials from the site at his own expense.

4. Approval of any item, alternate, or substitute indicated only that the product or products apparently meet the requirements of the Drawings and Specifications of the basis of the information or samples submitted.

5. Manufacturer's warranties shall not relieve Contractor of his liability under the guarantee. Such warranties shall only supplement the guarantee.

6. If equipment is as specified, no manufacturer descriptive catalogs are necessary in submittal.

B. Record Drawings:

1. Contractor shall provide and keep up to date and complete "as_built" record set of black line Xerox prints which shall be corrected daily and shown every change from the original Drawings and Specifications and exact "as_built" locations, sizes, and kinds of equipment. Prints for these purposes may be obtained from the Architect at cost. This set of Drawings shall be kept on the site and shall be used only as a record set.

2. These Drawings shall also serve as Work progress sheets and shall be the basis for measurement and payment for Work completed. These Drawings shall be available at all times for site reviews and shall be kept in a location designated by the Architect. Should the record as_built progress sheets not be available for review or not up to date at the time of any site reviews, it will be assumed that no Work has been completed and the Contractor will be assessed the cost of that site visit at the current billing rate of the Architect. No other inspections shall take place prior to payment of that assessment.

3. The Contractor shall make neat and legible notations on the as_built progress sheets daily as Work proceeds, showing the Work as actually installed. For example, should a piece of equipment be installed in a location that does not match the plan, the Contractor must indicate that equipment has been relocated in a graphic manner so as to match the original symbols as indicated in the irrigation legend. The relocated equipment and dimensions will then be transferred to the original as built plan at the proper time.

4. Before the date of the final site review, Contractor shall transfer all information from the as_built prints to mylar showing all information from the as-built plans. The dimensions shall be made so as to be easily readable even on the final controller chart (See Section C below) The original mylar as_built plan shall be submitted to the Architect for approval prior to the making of the controller chart.

5. The Contractor shall dimension from two permanent points of reference, building corners, sidewalk, or road intersections, etc., the location of the following items:
a. Connection to existing water lines.
b. Connection to existing electrical power.
c. Gate valves.
d. Routing of sprinkler pressure lines. (Dimension max. 100' along routing.)
e. Sprinkler control valves.
f. Routing of control wiring.
g. Quick coupling valves.
h. Other related equipment as directed by the Architect.

6. On or before the date of the final site review, the Contractor shall deliver the corrected and completed mylars to the Architect. Delivery of the mylars will not relieve the Contractor of the responsibility of furnishing required information that may be omitted from the Drawings.

C. Controller Charts:

1. Record Drawings shall be approved by the Architect before controller charts are prepared.

2. Provide one controller chart for each controller supplied.

3. The chart shall show the area controlled by the automatic controller and shall be the maximum size which the controller door will allow.

4. The chart is to be a reduced drawing of the actual as_built system, of a maximum size that will fit inside controller housing, double sided if required for readability.

5. The chart shall be a blackline print and a different color shall be used to indicate area of coverage for each station, using pastel or transparent colors.

6. When completed and approved, the chart shall be hermetically sealed between two pieces of plastic, each piece being a minimum 20 mils.

7. These charts shall be completed and approved prior to final acceptance of the irrigation system.

D. Operation and Maintenance Manuals:

1. Prepare and deliver to the Architect within 10 calendar days prior to completion of construction, two hard cover binders with three rings containing the following information:
a. Index sheets stating Contractor's address and telephone number, list of equipment with name and addresses of local manufacturer's representative.
b. Catalog and part sheets on all materials and equipment installed under this Contract.
c. Guarantee statement.
d. Complete operating and maintenance instruction on all major equipment.

2. In addition to the above mentioned maintenance manuals, provide the Owner's maintenance personnel with instructions for major equipment, and show evidence in writing to the Architect at the conclusion of the project that this service has been rendered.

E. Equipment to Be Furnished:

1. At time of final acceptance, Irrigation Contractor shall deliver to the City::
a. Two (2) keys for opening valve boxes.
b. Two (2) keys for each automatic controller.
c. Hose and Swivel Assemblies: Supply one (1) set of hose and swivel assemblies for every five (5) quick coupler valves installed.
d. Two special wrenches suitable for operating each type of shut-off valve installed.
e. Tools for disassembly and assembly, or adjustment, of each type equipment used in this installation requiring such special tools.
f. Operating instructions and parts lists, as printed by each manufacturer of each type equipment installed. Refer to "Material" section of the specifications and legend on the drawings.
g. List of equipment with names and addresses of local manufacturer representatives.
h. "As-built" drawings and controller charts.

2. The above mentioned equipment shall be turned over to the Owner at the conclusion of the project. Before final acceptance can occur, evidence that the Owner has received material must be shown to Architect.

1.4 PRODUCT DELIVERY, STORAGE, AND HANDLING:

A. Contractor is cautioned to exercise care in handling, loading, unloading, and storing of PVC pipe and fittings. All PVC pipe shall be transported in a vehicle which allows the length of pipe to lie flat so as not to subject it to undue bending or concentrated external load at any point. Any section of pipe that has been dented or damaged will be discarded and, if installed shall be replaced with new piping.

1.5 SUBSTITUTIONS:

A. Substitutions: If the Irrigation Contractor wishes to substitute any equipment or materials for those equipment or materials listed on the Irrigation Drawings and Specifications, he may do so by providing the following information to the Architect for approval, in conformance with Section 01340:

1. Provide a statement indicating the reason for making the substitution. Use a separate sheet of paper for each item to be substituted.

2. Provide descriptive catalog literature, performance charts and flow charts for each item to be substituted.

3. Provide the amount of cost savings if the substituted item is approved.

4. Approval of any item as a substitution or alternate is for design only, based on information or samples provided by the Contractor.

5. Contractor shall be responsible for the total performance of such substitution to equal or surpass the original in every respect.

6. If the substitution proves to be unsatisfactory in the opinion of the Architect, Contractor shall remove such Work and replace it with originally specified item, including installation as part of the Work of this Section.

B. Architect Responsibility: Architect shall have the sole responsibility for accepting or rejecting any substituted item as approved equal to equipment and materials listed on the Irrigation Drawings and Specifications.

1.6 GUARANTEE:

A. The one (1) year guarantee for sprinkler irrigation system shall be made in accordance with Section 01700. A copy of the guarantee form shall be included in the operations and maintenance manual.

2.0 PRODUCTS

2.1 MATERIALS:

A. Materials for irrigation installation shall be new materials and as specified unless specifically approved in writing by the Owner's representative as equal products. They shall conform to provisions of the Drawings and Specifications.

B. Pipe & Fittings:

1. Pressure Main Line Piping and Fittings: Sizes 2_1/2" and smaller shall be Schedule 40 PVC, on surface Schedule 40 galvanized pipe and fittings.

2. Non_Pressure Lines (buried): Shall be PVC Class 200.

3. Plastic fitting shall be the schedule of pipe being fitted (Sch. 40 and 80), PVC II, N.S.F. rated. Plastic fitting shall be polyvinyl chloride (PVC) high impact, extruded from B.F.
Goodrich
Geon 8700 A similar and equal to Lasco Industries, Sloane Mfg. Co., or equal, and PVC solvent weld cement as recommended by pipe manufacturers.

4. All pipe and fittings shall conform to specific requirements as follows:
a. PVC (Solvent Weld):
(i) Pipe: Manufactured from virgin polyvinyl chloride compound in accordance with ASTM D 1785or ASTM D 2241, cell classification 12454B, hydrostatic design stress rating not less than 2,000 P.S.I.
(ii) Fittings (Solvent weld or thread) Standard weight, schedule 40, side gated, injection molded PVC complying with ASTM D 2466, cell classification 12454B, including threads when required.
(iii) PVC nipples shall be schedule 80 with machine threads.
(iv) All PVC pipe must be labeled with the following markings:
(a) Manufacturer's name.
(b) Nominal pipe size.
(c) Schedule or class.
(d) Pressure rating in A.S.T. (Not required on drip tubing).
(e) NSF National Sanitation Foundation) approval (Not required on drip tubing).
(f) Date of extrusion.
(v) Solvent cement and primer for PVC solvent_weld pipe and fittings shall be of type and installation method prescribed by the manufacturer.
(vi) Galvanized Pipe and Fittings:
(a) Pipe shall be galvanized steel, American National Standard Institute (ANSI), Schedule 40 galvanized, mild steel screwed pipe.
(b) Fittings: Screwed beaded malleable iron, or 125 pound cast iron, flanged.
(c) Unions (2" and Smaller): Ground joint pattern.
(d) Unions (Larger Than 2"): Flanged type, packed with 1/16" thick fiber gaskets.

C. Quick Coupling Valves: Valves shall be as shown in legend and details.

D. Hose and Swivel Assemblies: Supply 1 set of hose and swivel assemblies for every 5 quick coupling valves.

E. Sprinkler Heads: Heads shall be of the adjustable type, sizes, and designations as shown on Drawings, or equal, and shall be sized, selected, and placed in a manner to achieve complete water coverage of areas to be watered.

F. True Union Ball Valves: Valves shall be as shown in the plans and legend.

G. True Union Ball Boxes: Boxes shall be round plastic valve boxes with locking covers, manufactured by Brooks or Carson or equal, and shall be of size and type as called out on the Drawings and in the details.

H. Remote Controller and Valves: Shall be as indicated in the legend and on the drawings.

I. Boxes For Remote Control Valves: Boxes shall be rectangular plastic boxes with locking covers, manufactured by Brooks or Carson or equal.

J. Controller: Controller shall be as shown in legend and plans.

K. Water Meter: Water Meter shall be as shown in legend and plans.

L. Electrical:

1. High Voltage: All high voltage electrical service required for automatic controller and other equipment noted on Drawing for irrigation system will be provided by others. Irrigation
Contractor shall be responsible for final connection.

2. Low Voltage: Connections between controller and remote control valves shall be made with direct burial AWG_UF, 600 volt wire, insulation thickness 3/64", utilizing low density
high
molecular weight polyethylene insulation. Splices, where permitted, shall be waterproofed using Rainbird, Pen_tite, or 3M_DBY connectors or fusible heat shrinking tubing and housed in a box. Boxes for other irrigation may be utilized for this purpose. Wire sizing shall be a minimum of #14 "UF. 600 volt underground wiring. Common wire is to be white in color, and all others a different color.

M. Copper Pipe and Copper Fittings: Pipe and fittings shall be provided wherever local codes require its use, as for example under building slabs and attached to parking structure roofs.

3.0 EXECUTION

3.1 WORK PROCEDURES:

A. Contractor shall follow local building codes, customary practices and as follows:

B. General: The Contractor shall connect to existing water supply as shown on the Drawings and as necessary to carry out the intent of the Drawings and Specifications. Check location of lines, valves, other underground utilities, etc., and receive approval of Owner's representative before any installation. The Contractor shall check and verify existing water pressure and available gallonage before starting Work and shall inform the Architect if not adequate as designed.

C. Trenches, Subgrades, and Backfill: Excavate trenches, prepare subgrades and backfill true to line and grade with sufficient room for pipe fittings, testing, and inspection operations. Cut bottom of trench so that pipe barrel rests uniformly on trench bottom. Do not backfill until pipe system has been subjected to a hydrostatic test as specified.

D. Depth: Depth of coverage for irrigation piping shall be as follows:

1. Main lines _ 18 inches minimum depth.

2. Lateral lines _ 12 inches minimum depth.

3. Where subslab conflicts, install as deep as possible.

4. 24 inch depth for all lines under driveways.

E. Backfill: Backfill trenches after acceptance of Work with suitable approved material, tamping soil around pipe, and thoroughly water settling all trench fills. Trenches under walks and roads shall be backfilled in accordance with General and Special Conditions of the Specifications. Wherever subsidence of trenches occurs, the Contractor shall be responsible for restoring all to final grade.

F. Control Valves: Locate control valves in close proximity to walks or to accessible areas; control valves shall never be more than 12" from walks or nearest access as indicated on Drawings and in a manner to make them accessible to manual operations without interference of water spray from heads.

G. Quick Coupling Valves: Install all quick coupling valves as indicated on Drawings and to conform to the full intent and meaning of the Drawings and the Specifications.

H. Pipe: All pipe shall be laid true and accurate to grade with full length of pipe section lying soldily on a firm base. If grade or joint of pipe is disturbed after laying, it shall be taken up and relaid.

1. Clean interior of pipe thoroughly and remove all dirt or foreign matter before lowering pipe into trench, and keep clean during operations by plugs or other approved method. The ends of all threaded pipe shall be reamed out full size and with a long taper reamer so as to be partially bell_mouthed and perfectly smooth. All offsets shall be made with fittings. All water lines shall be thoroughly flushed out before the heads are installed.
2. Threads on pipe shall be cut with sharp clean dies to conform to American Standards Association Specifications and so that not more than 2 threads are left exposed on the pipe.

3. Joints in all screwed metallic and metallic to plastic piping shall be made by applying specified pipe joint compound tape to the threaded end with one_half inch lapping before screwing joints together.

4. Do not lay pipe in water or mud. Keep ends of pipe securely closed when work is not in operations to prevent water or other matter from entering the lines.

5. Long runs of PVC pipe shall be slightly snaked in the trench to allow for contraction.

6. Replace without cost to the Owner any pipe that is found to be defective.

7. Provide unions and fittings as necessary to make all connections to existing lines and to complete Work as intended on the Drawings.

8. Install dielectric couplings and flanges as required at the junction of pipes or fittings made of dissimilar metal.

9. Risers to sprinkler heads shall be schedule 80 PVC, or as shown in the details, and offset from laterals as indicated on the Drawings.

10. All sprinkler heads next to walks, paths, parking areas, and any areas where people normally walk shall be the pop_up type. No fixed sprinkler risers shall be installed next to such walks, paths, or parking areas.

11. Solvent weld joints will be made as follows:
a. Good square cuts, clean and free of debris and shavings and moisture.
b. Main Line Only: Apply p_70 Weldon or equal. Finish make up of joint using Weldon 711 or equal. Hot glue will not be permitted.

I. Tests: Test all sprinkler mains after pipe is laid and joint completed by submitting to a pressure test of 125 p.s.i. static pressure in the presence of the Owner's representative. Do not backfill any trench until the Owner's representative has approved the test. Repair any leaks until lines meet test requirements and the Owner's representative's approval. All laterals shall be tested under main pressure for leaks; any leaks shall be repaired. All tests with the exception of the laterals shall be for a duration of 4 hours with a maximum drop of 4 psi allowed.

J. Flushing of System:

1. After all new sprinkler pipe lines and risers are in place and connected, all necessary diversion Work has been completed, and prior to installation of sprinkler heads, the control valves shall be opened and full head of water used to flush out the system.

2. Sprinkler heads shall be installed only after flushing of the system has been accomplished to the complete satisfaction of the Architect.

K. Sprinkler Heads: Install sprinkler heads as directed. Where they adjoin the edges of walks, set turf pop_up heads in 2" from edge and shrub and rotor heads 6" in from edge. Special conditions for installing heads shall be as shown on the Drawings.

1. Space the sprinkler heads as shown on Drawings or as directed and as necessary to gain full water coverage of the sprinkler areas. Adjust heads as necessary, changing sizes and nozzles until Work is approved.

2. Add sprinkler heads as needed or as directed for full water coverage of all areas without extra cost to the Owner.

3. Make final adjustments of all sprinkler heads after soil has settled.

L. Finish Grade: Bring all areas excavated for the installation to a neat and true finish grade to match adjoining areas.

M. Completion: Leave entire installation in complete working order, free from any and all defects in material, workmanship, or finish, regardless of any discrepancies and/or omissions in Drawings and Specifications.

3.2 TEMPORARY REPAIRS:

A. Owner reserves the right to make temporary repairs as necessary to keep the sprinkler system equipment in operating condition. The exercise of this right by the Owner shall not relieve the Contractor of his responsibility under the terms of the guarantee as herein specified.

3.3 MAINTENANCE:

A. The entire sprinkler irrigation system shall be under full automatic operation for a period of seven days prior to any planting.

3.3 CLEANUP:

A. Clean_up shall be performed as each portion of Work progresses. Refuse and excess dirt shall be removed from the site, all walks and paving shall be broomed or washed down, and any damage sustained to the Work of others shall be repaired and Work returned to its original condition.

END OF SECTION

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Landscape Architecture Planning Urban Design
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REGISTERED LANDSCAPE ARCHITECT
RICHARD W. MAYER NO. 1517
Signature
12-31-2024
Renewal Date
12-08-2018
Date
STATE OF CALIFORNIA

WOMEN'S CLUB PARK

200 WEST GREENWOOD AVENUE
LA HABRA, CA 90631

ISSUES / REVISIONS

No.	DATE	DESCRIPTION
1	11/30/22	1ST CITY PLAN CHECK REVIEW
2	02/17/23	2ND CITY PLAN CHECK SUBMITTAL
3	06/08/23	100% CD SUBMITTAL
4	09/08/23	100% CD SUBMITTAL
5	12/08/23	100% CD SUBMITTAL

JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:

IRRIGATION SPECIFICATIONS

SHEET NUMBER:

L4.1

SECTION 02900

LANDSCAPING

PART 1 - GENERAL.

1.01 DESCRIPTION: Division 1 applies to this Section. Provide all labor, materials, appliances, tools, equipment, facilities, transportation, and services necessary for and incidental to performing all operations in connection with the installation of the Work of this Section, complete as shown on the Drawings and/or specified herein.

A. Work In This Section: Principal items include:

1. Examine all other Sections for Work related to those other Sections and required to be included in this Section.
2. Fine grading in landscaping areas.
3. Landscaping.
4. Rodent and vermin control.
5. Soil Testing and Soil Preparation
6. Plants and Planting
7. Staking
8. Herbicide
9. Watering and maintenance

B. Related Work Not In This Section:

1. Section 01532 - Tree Protection
2. Section 02810 - Irrigation
3. Section 02970 - Landscape Maintenance

1.02 SUBMITTALS: Refer to Section 01300 for procedures.

A. Materials list: Submit complete material list prior to performing any work. Material list shall include manufacturer, model number, and description of all materials and equipment to be used. The Contractor shall also furnish the articles, equipment, materials, or processes specified by name in Drawings and Specifications. For Tree Submittals, provide photo image, height, canopy, width and caliper at 4' height. A nursery worker shall stand next to the tree in the image for a sense of scale. For Shrub, Groundcover and Vine Submittals, provide photo image, height and width of the entire plant. No substitutes will be allowed without prior written acceptance. Equipment or materials installed or furnished without prior approval of the Architect may be rejected and the Contractor required to remove such materials from the site at his own expense. All cut sheets, nursery images of trees and samples of materials shall be submitted 3 weeks prior to installation

B. Manufacturer's Product Specification Cut Sheets/Data:

1. Provide 6 copies for all materials
2. Submit manufacturer's standard printed product data for all items, referenced to article number in this specification for which each item is being submitted.
3. Submit manufacturer's printed installation instruction and methods.
4. Material Safety Data Sheets (MSDS): For all products used.

C. Required Manufacturer's Product Specification Cut Sheets /Physical Samples:
Delivery may begin upon approval of Cut Sheets/Samples or as directed by Owner's Representative. Submit Samples in the form of Cut Sheets and Physical samples as required by the Landscape Architect or Owner's Representative and store on the site until furnishing of material is complete. Samples and Cut Sheets required are listed below:

1. Irrigation Equipment (see Section 02810)
2. Submit 'bagged' samples of each of the following, (2) samples of each, accompanied by (6) copies of the manufacturers specification cut sheets:

   Physical Samples of Bark Mulch
   Decomposed Granite/Stabilizer
   Decorative Rock/Pea Gravel
   Planting Mix, and Soil Amendments. NOTE: Approved samples of each to remain on site until furnishing of materials is complete. Delivery may begin upon approval of all submittals or as directed by Owner's Representative.

3. Cut Sheets for Tree Root Control Barriers and Aluminum Edging
4. Cut Sheets for Tree Stakes/Weed Whip Guards
5. There shall be at least one (1) photograph of each species of tree, shrub, vine and ground cover to be planted. All photographs shall be taken with a person/or a scale in each photo next to the plant. Include with the photographs of all trees a notation of caliper, canopy width and height of each species of tree. If there are multiple boxes or gallon sizes of the same plant, include separate information for each container sized tree.
6. Fertilizer Analysis: also provide labels of each fertilizer used and the quantities used in each application
7. Soil Amendment Analysis
8. Analysis of Imported Topsoils and Sand
9. Cut Sheets of Herbicides, Pesticides and Fungicides: Furnish manufacturer's certification by the USDA, description of ingredients, and recommendations for usage and application rates for each material to be used and dates of application
10. Cut Sheets shall be provided for all other products noted in Part 2, 2.01 Soil Additives, Fertilizers, and Herbicides and 2.02 Staking Material.

D. Certificates: The Contractor shall submit, at time of delivery, to the Inspector of Record (IOR), delivery receipts or tickets of all amendments and soil additives, reflection actual quantities and types of materials delivered to the project site. Delivery receipts or tickets shall include the name of the project and the date of the actual delivery. Four (4) copies of all receipts / tickets shall be forwarded to the Architect, by the Contractor. Approval of types and quantities by the IOR and Architect are required prior to working in or spreading any amendments or soil additives.

E. Prior to being placed on maintenance-Refer to Section 3.06 "Inspection, Start of Maintenance" - the Contractor shall submit a schedule of all activities planned during the maintenance period. This shall be accepted by the *Grounds Supervisor* prior to the start of the maintenance period. All schedule changes shall be documented and accepted by the Grounds Supervisor.

F. Prior to the date of the final walk-through, the Contractor shall acquire from the *Grounds Supervisor* approved reproducible prints and shall produce the final record from the job record set of all changes made to all plans during construction, label said prints, "As-Builts" and deliver to the *Grounds Supervisor* and as required by any Local Agency. Prior to the date of final inspection, the Contractor shall deliver to the *Grounds Supervisor* the "Landscape and Irrigation Guarantee" as required. Said Guarantee shall be on the Contractor's letterhead and dated the scheduled final acceptance date.

G. All turnover items noted in other specification sections shall be delivered prior to the final walk-through.

H. Supply a monthly record of all herbicides, insecticides, fertilizes, and disease control chemicals with rates and amounts used noted.

1.03 PROTECTION OF WORK: The Contractor shall be responsible for protection of all adjacent finished surfaces and materials, both interior and exterior, while performing all landscape and irrigation operations, including maintenance. These finishes and materials shall be cleaned and returned to as-new condition when work is completed.

1.04 GUARANTEES AND REPLACEMENTS: Refer to Section 01780.

A. Shrubs: Guarantee shrubs from the time of installation to the end date of the 90 day Maintenance Period.

B. Trees: Guarantee all trees to live in a healthy condition for (1) one year from the end date of the Maintenance Period. Dead or unhealthy trees shall be replaced within 10 days after notification of Contractor by the Owner's Representative or the Architect.

C. Dead and Non_Vigorous Plants: As soon as weather permits, replace all dead plants and all plants not in a vigorous condition as noted at the end of the Maintenance Period.

D. Replacements: Plants used for replacement shall be the same kind and size as specified on the Planting Plan. They shall be furnished, planted, and fertilized as specified at no additional cost to the Owner. Replacement plants shall be maintained for a period of time equal to the original maintenance period. They shall be in excellent condition following the replacement and maintenance.

E. Provide Certificate of Compliance from authority having jurisdiction indicating approval of plants, fertilizer and herbicide mixture. Plant Materials: Described by ASTM Z60.1; free of disease or hazardous insects.

PART 2 - PRODUCTS.

2.01 SOIL ADDITIVES, FERTILIZERS, LANDSCAPE MATERIALS, AND HERBICIDES:

A. Mulch :"Walk On-Chips" as supplied by EarthWorks Soil Amendments Inc., (951)782-0260, or equal approved by the Owner's Representative. The mulch shall consist of fibrous, woody bark mixture of varied particle size.

B. Prepared Planting Mix for Backfill in all Planting Pits Except Raised Planters: Materials and amounts specified here are anticipated. This amendment is for bidding purposes and shall be superseded by recommendation of soil test/analysis report. Mix shall be the following materials thoroughly mixed:

By volume: 30% GroMulch and 70% excavated soil

Plus 2 lb. 12_12_12 commercial fertilizer per cubic yard of mix.

Plus: 3 lb. Agricultural grade gypsum per cubic yard of mix

Plus: 2 lb. Iron sulfate per cubic yard of mix

C. Ammonium Sulfate: Shall be standard brand (NH4) 2SO4.

D. Urea Formaldehyde: 35_0_0 shall be standard brand, as approved by the Architect.

E. Iron Sulfate: Shall be standard brand 20% Fe.

F. Vitamin B1 Root Hormone: Hormone shall be Superthrive, Hormex, or equal approved by the Architect.

G. Nitrolized Fir bark Fines: Fines shall be "Forest Humus" as sold by Kellogg Company, or equal approved by the Architect.

H. Commercial Fertilizer: Fertilizer shall be 12_12_12, standard commercial brand as approved by the Architect. Nitrogen for this mix shall be derived from 2% ammoniac, 5% urea, and 14% urea formaldehyde.

I. Gro Mulch: Mulch shall be as manufactured by the Kellogg Co.

J. Herbicide: Herbicide shall be Roundup or equal approved by the Architect.

K. Fertilizer Tablets: Agriform per manufacturer's recommendations.

L. Agricultural Gypsum: Gypsum shall be agricultural calcium sulfate CaS04 approved by Landscape Architect. This shall only be used in clay or adobe soils.

M. Mycorrhizal Fungal Inoculant: Plant and Tree Saver Transplant manufactured by Plant Health CareInc. or equal.

N. Soil Sulfur: Agricultural grade sulfur containing a minimum of 99% sulfur (expressed as elemental).

2.02 STAKING MATERIAL:

A. Stakes: Stakes for larger plant material shall be 2" diameter x 10'_0" long lodge pole stakes, actual dimension.

B. Ties: Ties shall be V.I.T. Cinch Ties, Model #CT32 For 24" box trees.

C. Tree Trunk Guards: Guards shall be Arbor Guard by Deep Root, (714) 898_0563, or equal approved by the Architect and shall be installed on the trunks of all trees in lawn areas.

A. Root Control Barrier: All 48" box, 36" box, 24" box and 15 gallon trees planted within 6' of any hardscape areas (sidewalks, walls, concrete drainage swales, cubs, driveways or any other structure) shall include root barriers, root barriers shall extend 5' on either side of the trunk for a total length of 10'. Root barriers are as follows:

1. 36" box trees, 24" box trees, and 15 gallon trees - Model # UB 18-2 available from DeepRoot, (800) 766-8835
2. 48" box trees - Model # UB 24-2 available from DeepRoot, (800) 766-8835

2.03 ALUMINUM EDGING:
not used

2.04 JUTE MESH:
Shall be Anti-Wash / Geo Jute by Pacific Soil Stabilization, (805) 925-7737

2.05 PLANT MATERIALS:

A. Quality and Size:

1. Quality and size of all plants shall be No. 1 grade. They shall be fresh, vigorous, of normal growth, free of disease, insects, insect eggs and larvae, with strong root systems.
2. Sizes of plants shall be as stated on the planting plan. No root bound or undersized materials shall be allowed.
3. Protect and maintain plant material in a healthy and vigorous condition until planted.
4. Do not install plant material when ambient temperatures may drop below 35 degrees F or rise above 90 degrees F.
5. Do not place plants in containers or asphalt paving when outdoor temperature exceed 100 degrees F. for a period exceeding 16 hours.

B. Pruning: Pruning shall not be done prior to delivery except by special approval of the Architect.

1. Tree Trimmer Qualifications: Company specializing in pruning trees with proof of ISA Arborist Certification and ISA Tree Worker Certification.
2. Tree Pruning: ISA - Pruning Standards for Shade Trees.

C. Inspection: Inspection of plant materials required by City, State, or Federal authorities shall be a responsibility of the Contractor, and he shall obtain permits or certificates prior to delivery of plants to site.

D. Plant Marking: Each plant shall be clearly marked with a waterproof tag as to its botanical name as required by California State Agricultural Laws.

E. Deliver, store, protect and handle products to site under provisions of Section 01600 - Materials and Equipment.

2.06 IMPORTED TOPSOIL:

A. Class A topsoil: good class A topsoil should be used as in the following definition. The soil must have good structure. If necessary, the soil can be conditioned to help improve the physical soil properties.

1. Topsoil shall be free of roots. Clods and stones larger than 1-inch in the greatest dimension, pockets of coarse sand, noxious weeds such as nut grass roots and nodules, sticks, brush and other litter. It shall not be infested with nematodes or other undesirable insects or plant disease organisms.
2. Topsoil shall be friable and have sufficient structure in order to give good tilth and aeration to the soil. Total pore space content on a volume/volume basis shall be at least 15 percent when moisture is present at field capacity. Soil shall have a field capacity of at least 15 percent by weight.
3. Gradation limits - Soil shall be a sandy loam, loam, or clay loam. The definition of soil texture shall be per the USDA classification scheme.

B. Quality controls: All topsoil's to be imported for the planting areas shall receive an "Agricultural Suitability Analysis" of soil before being placed in the planting areas. Soil shall be tested from the source site. There shall be 1 (one) test from each source site. After delivery to site the soil shall again receive 1 (one) soil test before final placement. These tests are to be collected at the site, by Wallace Labs; analysis and recommendations made by Wallace Laboratories, 365 Coral Circle, El Segundo CA 90245, Ph. (310) 615-0116 Fax (310) 640-6863. Tests shall be submitted to the architect for approval before placing soils. Tests shall include the following:

1. Must include pH measurement in the Saturation Extract, Electro conductivity of the saturation extract and Sodium Adsorption Ratio of the saturation extract. The approved procedures are the following:

   PH Method 21
   Saturation Extract Method 2
   Sodium Adsorption Ratio Method 20b

   Methods of the *United States Salinity Laboratory* as published in the Agricultural Handbook Number 60 entitled *"Diagnosis and Improvement* of *Saline and Alkali Soils"*.

2. The following nutrients and elements must be determined with an approved extraction method. Interpretation data must be given citing concentrations, which are considered to be low, medium and high: boron, calcium, copper, iron, magnesium, manganese, molybdenum , phosphorus, potassium, sodium, sulfur, and zinc.

   The approved methods are those cited by the Council on Soil Testing and Plant Analysis and those methods currently used by soil scientists and agronomists and published in *Communications in Soil Science and Plant Analysis, Soil Science and Soil Science Society of America Journal.* Approved methods are Mehlich Number 3, Bray PI, Bray P2, Olsen P, DTPA, ammonium acetate, ammonium bicarbonate-DTPA, wid hot water extract for boron.

3. The saturated extract must be analyzed for calcium, magnesium, sodium, boron, chloride, nitrate, and sulfate.
4. The following trace metals must be measured by the DTPA extract: Aluminum, arsenic, cadmium, chromium, cobalt, lead, lithium, nickel, selenium, silver, strontium, tin and vanadium.
5. The presence of calcium carbonate and/or magnesium carbonate must be determined by commonly used methods.
6. Soil Texture and Organic Matter content may be estimated or determined by commonly used methods.
7. Interpretation of nutritional deficiencies or excesses and potential toxicities must be given.
8. If required, determine the following by methods approved by the American Society of Agronomy as published in the *Methods of Soil Analysis,* methods of the United States Salinity Laboratory as published in the Agricultural Handbook Number 60 entitled *"Diagnosis and Improvement* 0f *Saline and Alkali Soils,"* and bulk density of clods by the method published in *Soil Science*, vol 155, 325-330 (1993):
9. Exchangeable Ammonium cation
   Base Saturation
   Cation Exchange Capacity
   Carbonates Determination
   Soil Bulk Density (Compaction)
   Sand, Silt and Clay determination
   Water Infiltration Rate

   Elemental determinations to be made according to methods approved by the EPA or by the American Society of Agronomy.

C. Possible sources of class A topsoil:

1. Excavations or grading of native topsoil from undeveloped areas.
2. Excavations or grading of topsoil fronm previously landscaped or formed areas.
3. Excavations or grading of topsoil from previously non-landscaped or non-farmed areas if the soil is thoroughly evaluated for potential toxic materials.
4. Soil supply companies supplying natural topsoil without excessive amending.
5. Manufacturing of topsoil with less desirable soil as long as the soil has matured and developed the characteristics of class topsoil.

D. Contractor Responsibilities.
1. Provide inspections, tests and similar quality control services as specified below. The contractor will pay cost for these services.
2. Employ and pay an independent agency to perform specified quality control services.
3. Owner will engage and pay for services of an independent agency to perform inspections and tests, which are not required by the specification.
4. Retest where results of required inspections, tests or similar services prove unsatisfactory workmanship and materials and do not indicate compliance with specifications regardless of whether the tests and services where not the responsibility of the contractor will be paid by the Contractor.

E. Owner Responsibility: Owner will provide and pay for inspections, tests and similar quality control services not specified.

F. Duties of Testing Agency.

1. Retest where results of required inspections, tests or similar services prove unsatisfactory workmanship and materials and do not indicate compliance with specifications regardless of whether the tests and services where not the responsibility of the contractor will be paid by the Contractor.
2. Independent testing agency engaged to perform inspections, sampling and testing of materials shall cooperate with architect and contractor in performance of its duties and shall provide qualified personnel to perform required inspections and tests.
3. Agency shall notify architect, owner and contractor promptly of irregularities or deficiencies observed in the work or materials during performance of its services.
4. Agency is not authorized to release, revoke, alter or enlarge requirements of specifications or approves or accepts any portion of work or materials.
5. Agency shall not perform any duties of contractor.

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REGISTERED LANDSCAPE ARCHITECT
RICHARD W. MAYER NO. 1517
Signature
12-31-2024
Renewal Date
12-08-2018
Date
STATE OF CALIFORNIA

WOMEN'S CLUB PARK

200 WEST GREENWOOD AVENUE
LA HABRA, CA 90631

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L4.2

G. Submittals

1. Independent testing agency shall submit written report of each inspection, test or similar service to architect and owner unless contractor is responsible for service. If contractor is responsible for service, submit written report of each inspection, test or similar service through contractor.

2. Each source of topsoil shall be tested with representative submittal samples and at various depths. Soil shall be tested from the source site. There shall be a 1 (one) test from each source site. After delivery to site the soil shall again receive 1 (one) soil test before final placement. The owner reserves the right to test delivered materials at owner's expense. If any delivered material fails to meet the specifications, the material will be promptly removed from the site at the contractor's expense. The contractor shall pay for the testing of any materials not meeting specifications.

2.07 DECOMPOSED GRANITE MATERIALS

A. Decomposed Granite "Gail's Gold" or equal. Screen evenly and grade from 3/32" max to 0".
   1. Sources:
      a. Gail Materials, INC 951.279.1095

B. Stabilized Binder
   1. Patented, non-toxic, organic binder that is a colorless and odorless concentrated powder that binds decomposed granite.

2.08 EXCESS DECOMPOSED GRANITE MATERIALS

A. Provide owner's authorized rep. with the following excess materials for use in future decomposed granite repair: One (1) 40 to 50 lb. Bags of the aggregate paving blended with proper amount of Stabilizer.

PART 3 - EXECUTION.

3.01 FINE GRADING

A. Where any portion of irrigation system is installed after grading and fertilizing has been performed, refill and re-fertilize upper portion of backfill as specified herein.

B. Fine Grading: Upon completion of rough grading, perform required fine grading of planted areas.

1. Before and during preliminary fine grading, dig out and remove all weeds and grasses. Dispose of off-site at Contractor's expense.
2. Remove all rocks larger than one half (1/2) inch in upper 8" of soils.
3. Do not work the soil when moisture content is such that excessive compaction will occur, nor when soil is so dry that clods will not break readily.
4. Apply water, if necessary, to provide ideal density for cross-tilling and for planting.
5. Grade so as to anticipate or match the certified finished grades and swales.
   a. Remove or redistribute excess soil before the application of fertilizer and mulch.
   b. Where soil is to be replaced by plants and/or mulch, make allowance to prevent efficiency in the depth of mulch when final grading is completed.
   c. Excess soil generated from the planting holes and not used as backfill or in establishing the final grades shall be removed from the site.

C. Grades and Elevations: When weed abatement, soil preparation and amending is completed, and the soil has dried so as to be readily worked, fine grade planting areas to elevations shown on Contract Drawings.

1. Where grades are not otherwise indicated, provide uniform levels or slopes between points where elevations are given.
2. Make minor adjustments of grade where so requested by the Owner's Representative.
3. Provide finished grades which are even, uniform and without abrupt change of surface.
4. Slope soil areas away from structures to allow natural runoff of water, regrade swale surfaces as required for a minimum 2% run-off, or as indicated on plan. Grade low spots and swales when soil is at optimum moisture content for working.
5. Provide final finished soil grades in planter areas 2 inches below paving and curbs, or as shown on the Contract Drawings. Add mulch on top of soil.
6. Compact all soil to final grades: minimum 80%, maximum 85%, unless otherwise required by soils report or for structural reasons.

3.02 SOIL TESTING, CONDITIONING, FERTILIZING, AND WEED ABATEMENT:

A. Soil Testing: **Soils test <u>on site</u> shall be conducted twice:**

(1) after rough grading is complete
(2) before planting commences, but after irrigation installment and soil amendments have been applied.

Tests are to be <u>collected at the site, by Wallace Labs; analysis and recommendations made by Wallace Laboratories</u> , 365 Coral Circle, El Segundo CA 90245, Ph. (310) 615-0116, Fax (310) 640-6863. The contractor will pay for cost for these services. Copies of tests shall be submitted to the Architect. Contractor shall allow two weeks for each round of soil testing to take place. Tests shall include the following:

1. Must include pH measurement in the Saturation Extract, Electro conductivity of the saturation extract and Sodium Adsorption Ratio of the saturation extract. The approved procedures are the following:

   PH Method 21
   Saturation Extract Method 2
   Sodium Adsorption Ratio Method 20b

   Methods of the *United States Salinity Laboratory* as published in the Agricultural Handbook Number 60 entitled *"Diagnosis and Improvement* of *Saline and Alkali Soils"*.

2. The following nutrients and elements must be determined with an approved extraction method. Interpretation data must be given citing concentrations which are considered to be low, medium and high: boron, calcium, copper, iron, magnesium, Manganese, molybdenum **,** phosphorus, potassium, sodium, sulfur, and zinc.

The approved methods are those cited by the Council on Soil Testing and Plant Analysis and those methods currently used by soil scientists and agronomists and published in *Communications in Soil Science and Plant Analysis, Soil Science and Soil Science Society of America Journal.* Approved methods are Mehlich Number 3, Bray PI, Bray P2, Olsen P, DTPA, ammonium acetate, ammonium bicarbonate-DTPA, with hot water extract for boron.

3. The saturated extract must be analyzed for calcium, magnesium, sodium, boron, chloride, nitrate, and sulfate.
4. The following trace metals must be measured by the DTPA extract: Aluminum, arsenic, cadmium, chromium, cobalt, lead, lithium, nickel, selenium, silver, strontium, tin and vanadium.
5. The presence of calcium carbonate and/or magnesium carbonate must be determined by commonly used methods.
6. Soil Texture and Organic Matter content may be estimated or determined by commonly used methods.
7. Interpretation of nutritional deficiencies or excesses and potential toxicities must be given.
8. If required, determine the following by methods approved by the American Society of Agronomy as published in the *Methods of Soil Analysis,* methods of the United States Salinity Laboratory as published in the Agricultural Handbook Number 60 entitled *"Diagnosis and Improvement* 0f *Saline and Alkali Soils,"* and bulk density of clods by the method published in *Soil Science***,** vol 155, 325-330 (1993):

   Exchangeable Ammonium cation
   Base Saturation
   Cation Exchange Capacity
   Carbonates Determination
   Soil Bulk Density (Compaction)
   Sand, Silt and Clay determination
   Water Infiltration Rate
   Elemental determinations to be made according to methods approved by the EPA or by the American Society of Agronomy.

B. Weed Abatement: Determine that rodents and vermin are not present. If rodents and vermin are present control shall be undertaken by a licensed pest control applicator. Weed abatement shall be two grow-kill cycles. Anticipate at least 8 weeks for weed abatement. Contractor shall coordinate the scheduling of any spraying of herbicide to occur on a Friday afternoon or school holiday and shall notify the District one (1) week prior to applications in order for them to post notice. The irrigation system needs to be fully operational and be functioning prior to and during the weed and kill operation. Keep soils moist for 3 weeks. Spray all areas to receive lawn, shrubs or ground cover with herbicide. Keep soils moist for five weeks. Again spray all areas to receive lawn, shrubs or ground cover with herbicide. Follow the manufacturer's recommendations.

C. After weed abatement, remove and dispose of all dead weeds, including roots.

D. For existing turf areas to be removed, remove all turf, weeds and roots plus 1" of soil below.

E. Soil Amendments for planting areas**: <u>Do not spread amendments until approval of delivered materials has been received from the IOR and Architect.</u>** Materials and amounts specified here are anticipated. This amendment is for bidding purposes and shall be superseded by recommendation of soil test/analysis report.

F. Tilling: All planting areas in the park that area 90% soil compaction or above shall be cross-ripped 12" on center to a maximum depth of 10" below grade and follow with rototillage to reduce soil clods to a maximum diameter of 1 -inch in the top 8 inches. Remove stones and foreign matter over one half (1/2) inch in diameter from upper 8" of soil. Planting areas too small for power equipment shall be hand dug and tilled to a depth of 10" below grade. <u>(All tilling shall be completed prior to adding conditioners and fertilizers, unless occupied by existing trees that remain in place)</u> , Any part of the irrigation system, including heads, damaged during tilling shall be replaced with new equipment.

G. Planting Areas: The following amendments are anticipated. Exact mix and quantities shall be per the recommendations from soil testing results. All planting areas shall receive the following:

1. Gro-Mulch: 3 cubic yards per 1,000 square feet thoroughly mixed into the top 6" of soil for lawn, and 5 cubic yards per 1,000 square feet mixed into top 10" for shrubs and ground cover.
2. Gypsum: 40 lbs./1,000 square feet thoroughly mixed into the top 6" of soil.
3. Commercial fertilizer: 20 lbs./1,000 square feet thoroughly mixed into the top 6" of soil.

H. Jute Mesh or Matting: Begin at the top of the slope by anchoring the jute mesh in a 6" by 6" wide trench with a 6" steel staple every 12". Backfill and compact the trench after stapling. Roll the blankets down the slope in the direction of the water flow. The edges of parallel rolls of jute mesh must be stapled with approximately a 2" overlap. When the pieces must be spliced down the slope, place the epics end over end (shingle style) with approximately 6" overlap. Staple through overlapped area approximately 12" apart. Also, put 1 staple per square yard all along the roll. Jute mesh is to be installed on all slopes 2-1/2:1 and greater. Repair and stabilize all jute mesh installation that is disturbed during planting installation .

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L4.3

SECTION 02970
LANDSCAPE MAINTENANCE

PART 1 - GENERAL

1.1 SCOPE OF WORK

A. Work Specified in this Section: Furnish all labor, material, equipment, and services required to maintain the landscape in an attractive condition as specified herein for a period of 90 calendar days.

B. Related Work Specified in Other Sections:
   1. Section 02900: Landscaping

C. Definition: The word Architect as used herein shall refer to the Landscape Architect or the Owner.

1.2 QUALITY ASSURANCE

A. The Contractor's representatives and employees shall be experienced in landscape maintenance.

1.3 90 CALENDAR DAY MAINTENANCE PERIOD

A. The Contractor shall continuously maintain all areas involved in this Contract during the progress of work. Maintenance period shall not start until all elements of construction, planting, and irrigation for the entire project are in accordance with Plans and specifications.
   1. A prime requirement is that groundcover areas shall have been planted and mulched.
   2. The Contractor's maintenance period will be extended if the provisions required within the Plans and specifications are not fulfilled. Project may not be segmented into maintenance phases.
   3. The Contractor shall request a Pre-Maintenance inspection by the Owner and Architect at the completion of the installation process.
   4. The Maintenance Period shall begin upon successful completion of the Pre-Maintenance walk-through punch list and acceptance of the landscape installation by the Owner.
   5. If such criteria are met to the satisfaction of the Owner, a field notification will be issued to the Contractor to establish the effective beginning date of the maintenance period.

B. The Maintenance Period continues for 90 calendar days until final acceptance of the work by the Owner. Improper maintenance or poor condition of any planting at the termination of the scheduled maintenance period may cause postponement of the final completion date of the Contract.

C. In order to carry out the plant maintenance work, the Contractor shall furnish sufficient people and adequate equipment to perform the work during the maintenance period.

D. Any day when the Contractor fails to adequately maintain plantings, replace unsuitable plants or do weed control or other work, as determined necessary by the Owner, will not be credited as one of the maintenance period working days.

1.4 GUARANTEE AND REPLACEMENT

A. Guarantee: All tree material installed under the contract shall be guaranteed for a period of one year. Any plant found to be dead or in poor condition due to faulty materials or workmanship, as determined solely by the Architect, shall be replaced by the Contractor at his expense.
   1. Replacement: Any materials found to be dead, missing, or in poor condition during the Maintenance period shall be replaced within two (2) days.
   2. The Architect shall be the sole judge as to the condition of material.
   3. The Contractor shall replace material rejected during the Guarantee period within fifteen (15) days of written notification by the Owner.

1.5 OBSERVATION VISITS

A. The Contractor shall request progress visits from the Owner at least 48 hours in advance of anticipated visits. Normal observation visits are as follows:
   1. Immediately prior to the commencement of the work in this section.
   2. Completion of first 90 days of maintenance.
   3. Final acceptance.

1.6 FINAL ACCEPTANCE OF THE PROJECT

A. Prior to the date of the final observation visit, the Contractor shall acquire from the Architect-approved reproducible Plans and record (from the job record set) all changes made during construction, label these Plans "Record Drawings" and deliver to the Architect for review and approval.

B. Prior to the date of final inspection, the Contractor shall deliver to the Architect a written "Landscape and Irrigation Guarantee" as required herein.

PART 2 - PRODUCTS

2.1 MATERIALS

A. All materials used shall either conform to landscape specifications in other sections or shall otherwise be acceptable to the Owner.

B. If requested by the Owner, the Owner shall be given a monthly record of all herbicides, insecticides, and disease control chemicals used. Failure to provide such a requested record will continue maintenance period until compliance occurs.

PART 3 - EXECUTION

3.1 MAINTENANCE

A. Maintenance shall be performed according to the following standards:
   1. All areas shall be weeded and cultivated at intervals of not more than ten (10) days.
   2. Watering, edging, trimming, fertilization, spraying, and pest control, as may be required, shall be included in the maintenance period.
   3. Passive irrigation systems and planter reservoirs are to be checked and filled with water, if necessary.
   4. Cleaning of adjacent street gutters shall be included as part of maintenance.
   5. The Contractor shall be responsible for maintaining adequate protection of the area.
      a. Damaged areas shall be repaired at the Contractor's expense.

B. The Contractor shall be responsible for reporting to the Owner any conditions beyond his control that prevent or have negative impact on the work required herein.

3.2 TREE AND SHRUB CARE

A. Watering
   1. Apply enough irrigation water so that moisture penetrates throughout root zone and only as frequently as necessary to maintain healthy growth.
      a. It is not necessary to maintain soils in a constantly wet condition.
      b. Contractor shall be responsible for familiarizing himself with the particular water requirements for the various plantings and shall be responsible for setting and maintaining the automatic controller to optimum minimum levels.
      c. Any damage to the plantings caused by over-watering or under-watering shall be the responsibility of the Contractor to replace at no cost to Owner.
   2. Maintain a water basin around newly planted plants so that water can be applied to moisturize throughout the root zone. At the end of the maintenance period these basins shall be flattened out to match surrounding grades.
   3. If hand-watering, use a fan spray nozzle to break the water force.

B. Staking and Guying: Stakes and guys shall remain in place until final acceptance and are to be continuously inspected and adjusted to prevent girdling of trunks or branches and to prevent rubbing that causes bark wounds and to allow trees to sway freely. Stakes and guys are to be removed when trees become sufficiently well rooted or after one year. When stakes or guys are removed, tree heads may be thinned to reduce wind load.

C. Weed Control: Keep all areas, including basins and areas between plants, free of weeds.
   1. Use recommended legally approved herbicides only when mechanical removal methods are not feasible.
   2. Avoid frequent soil cultivation next to trees or shrubs that destroys shallow roots.
   3. Use mulches to help prevent weed seed germination.

D. Insect and Disease Control: Maintain control of insect infestations. The preferred method of control shall be biological control, or with non-toxic, biodegradable, organic materials. If stronger materials are needed, only materials that are recommended by a licensed Pest Control Advisor and are EPA approved and regulated shall be used. Only registered and licensed Pest Control Operators shall apply insecticide or chemical applications. Notify Owner a minimum of five (5) working days before any chemical applications.

E. Fertiilization
   1. Fertilize all planting areas as follows:
      a. Commencement of maintenance period - 10 lbs./1,000 sq. ft. with GroPower Plus.
      b. At the end of the first 30-day maintenance period - 5 lbs./1000 sq. ft. with GroPower Plus.
      c. At the end of the maintenance period and at 30-day intervals should maintenance period be extended - 10 lbs./1000 sq. ft. with GroPower Plus.
      d. Avoid applying fertilizer to root balls and bases of main stems; rather, spread fertilizer evenly around plants to drip line. Distribute fertilizer evenly over turf or groundcover areas to avoid patchy coloration.

F. Replacement of Plants: Replace dead, dying, and missing plants with plants of a size, condition, and variety acceptable to Architect or Owner at Contractor's expense.

3.3 GROUND COVER CARE

A. Weed Control: Control weeds preferably with mechanical methods, and also with preemergent herbicides and selective systemic herbicides. Hoe weeds as little as possible since this may result in plant damage. Foot traffic in planted areas shall be minimized, and any soil compaction shall be loosened immediately.

B. Watering: Water enough so that moisture penetrates throughout root zone and only as frequently as necessary to maintain healthy growth.
   1. It is not necessary to maintain soils in a constantly wet condition.
   2. Contractor shall familiarize himself with the particular water requirements for the planting and shall be responsible for setting and maintaining the automatic controller to optimum minimum levels.
   3. Any damage to the planting caused by over-watering or under-watering shall be the responsibility of the Contractor to replace.

C. Trash: Remove trash weekly. Remove any debris, clippings or branches produced by maintenance activities within 8 hours.

D. Edging and Trimming: Edge ground cover to keep in bounds and trim top growth as necessary to achieve an overall even appearance.

E. Replacement: Replace dead and missing plants at Contractor's expense.

3.4 IRRIGATION SYSTEM

A. System Inspection: Contractor shall continuously check all systems for proper operation. Lateral lines shall be flushed out after removing the last sprinkler head or two at each of the lateral. All heads are to be continuously adjusted as necessary for proper coverage and to eliminate over-spray on buildings or paving. Contractors regular maintenance personnel shall test, observe, and adjust each sprinkler system no less than once per month.

B. Controllers: Set and program automatic controllers for seasonal water requirements and minimum optimum water use. Give Owner a key to controllers and instructions on how to turn off system in case of emergency.

C. Repairs: Repair all damage to irrigation system at Contractor's expense. Repairs shall be made within one watering period.

END OF SECTION

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GRADING PLAN FOR WOMEN'S CLUB PARK

GENERAL CIVIL NOTES

1. ALL PERMITS WILL BE SECURED BY THE CONTRACTOR AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE CONDITIONS AND REQUIREMENTS OF THE PERMITS.

2. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL PERFORM AT THEIR EXPENSE A FIELD OBSERVATION LOCATING ALL EXISTING UTILITIES INCLUDING ELEVATIONS AND NOTIFY THE OWNER AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTING LOCATIONS OF UTILITIES SHOWN ON THESE PLANS. ANY ADDITIONAL COST INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF THE EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.

3. CONTRACTOR TO VERIFY ALL EXISTING INVERT ELEVATIONS FOR STORM DRAIN AND SANITARY SEWER CONSTRUCTION PRIOR TO ANY WORK. ALL WORK FOR STORM DRAIN AND SANITARY SEWER INSTALLATION SHALL BEGIN AT THE DOWNSTREAM CONNECTION POINT. THIS WILL ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORKS UPSTREAM, HE SHALL PROCEED AT HIS OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY.

4. CONTRACTOR SHALL UNCOVER AND EXPOSE ALL EXISTING UTILITY AND SEWER LINES WHERE THEY ARE CROSSED ABOVE OR BELOW BY THE NEW FACILITY BEING CONSTRUCTED IN ORDER TO VERIFY THE GRADE AND TO ASSURE THAT THERE IS SUFFICIENT CLEARANCE. PIPES SHALL NOT BE STRUNG NOR TRENCHING COMMENCED UNTIL ALL CROSSINGS HAVE BEEN VERIFIED FOR CLEARANCE. IF THE CONTRACTOR FAILS TO FOLLOW THIS PROCEDURE HE WILL BE SOLELY RESPONSIBLE FOR ANY EXTRA WORK OR MATERIAL REQUIRED IF MODIFICATIONS TO THE DESIGN ARE NECESSARY.

5. ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S SOLE EXPENSE.

6. ANY RELOCATION OF UTILITIES SHALL BE COORDINATED WITH THE OWNER AND CONDUCTED IN ACCORDANCE WITH ANY AND ALL REQUIREMENTS OF THE OWNER, INCLUDING FEES, BONDS. PERMITS AND WORKING CONDITIONS, ETC. THE OWNER SHALL PAY THE FEES, BONDS, AND FILE THE APPROPRIATE PERMITS FOR ALL SUCH RELOCATION WORK. ALL ON- SITE UTILITY WORK IS THE RESPONSIBILITY OF THE CONTRACTOR (MATERIALS AND INSTALLATION).

7. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.

8. ALL SITE AREAS SHALL BE GRADED AT 1% MINIMUM FOR DRAINAGE UNLESS OTHERWISE NOTED OR ALONG FLOWLINES OF CONCRETE LINED GUTTERS AND VALLEY GUTTERS.

9. ESTIMATED EARTHWORK QUANTITIES SHOWN ARE APPROXIMATE ONLY AND SHOWN FOR THE PURPOSES OF ESTIMATING GRADING PERMIT FEES, CCE DESIGN ASSOCIATES INC. ASSUMES NO LIABILITY FOR THE ACCURACY OF THESE QUANTITIES.

10. WHERE EXISTING STRUCTURES ARE TO REMAIN IN CONSTRUCTION ZONE AREA, CONTRACTOR SHALL ADJUST RIMS OF THESE STRUCTURES, I.E. CATCH BASINS, VALVE BOXES, CLEAN OUTS, UTILITY BOXES, ETC. TO NEW FINISH GRADE.

11. ADJUSTMENTS TO PAD ELEVATIONS OR PARKING LOT GRADES TO ACHIEVE EARTHWORK BALANCE SHALL BE MADE ONLY WITH APPROVAL OF THE ENGINEER.

12. THE CONTRACTOR SHALL VERIFY THE CONTENTS AND THICKNESS OF THE BUILDING SLAB SECTION (IE: CONCRETE, SAND, ROCK) WITH THE STRUCTURAL PLANS AND THE ELEVATIONS SHOWN HEREON PRIOR TO COMMENCEMENT OF GRADING.

13. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

14. WHERE OFF-SITE DRIVEWAY APPROACHES ARE TO BE CONSTRUCTED THE ON-SITE DRIVEWAY SHALL NOT BE CONSTRUCTED UNTIL THE OFF-SITE IMPROVEMENTS ARE INSTALLED. THE ON-SITE DRIVEWAY SHALL CONFORM TO THE COMPLETED OFF-SITE DRIVEWAY

GRADING NOTES:

1. UNDERGROUND UTILITY LOCATIONS SHOWN HEREON WERE TAKEN FROM RECORD DATA. NO GUARANTEE IS MADE OR IMPLIED AS TO THE ACCURACY OF SUCH RECORD DATA. NO EXCAVATIONS WERE MADE TO CONFIRM LOCATIONS. CONTRACTORS ARE CAUTIONED TO CONTACT U.S.A. UNDERGROUND AND TO EXERCISE EXTREME CARE IN VERIFYING ALL LOCATIONS PRIOR TO COMMENCING EXCAVATIONS OR OTHER WORK WHICH MAY AFFECT THESE UTILITIES.

2. IRRIGATION LATERALS, PARKING LOT LIGHTING WIRING AND SIGNAL WIRING NOT SHOWN. VERIFY LOCATION BEFORE COMMENCING TRENCHING. REPLACE OR REPAIR IMMEDIATELY WHERE BROKEN TO PROVIDE UNINTERRUPTED SERVICE.

UTILITY NOTES:

1. THIS SURVEY IS NOT INTENDED TO REPRESENT THE EXACT LOCATIONS, SIZES OR EXTENT OF THE UTILITIES WITHIN THE AREA ENCOMPASSED BY THIS SURVEY. THEREFORE, IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO VERIFY THE LOCATION, SIZE AND EXTENT OF ANY EXISTING UTILITIES PRIOR TO DESIGN OR CONSTRUCTION. CONTRACTORS ARE CAUTIONED TO CONTACT U.S.A. UNDERGROUND AND TO EXERCISE EXTREME CARE IN VERIFYING ALL LOCATIONS PRIOR TO COMMENCING EXCAVATIONS OR OTHER WORK WHICH MAY AFFECT THESE UTILITIES.

2. UTILITY ABANDONMENT/REMOVAL: DISCONNECT AND CAP PIPES AND SERVICES TO REMAIN, REMOVE ALL PORTIONS OF ALL UTILITIES WITHIN NEW BUILDING FOOTPRINT AND DISPOSE OF OFF-SITE. OTHERWISE ABANDON IN PLACE UNLESS NOTED OTHERWISE.

3. NOTIFY THE ENGINEER IMMEDIATELY OF ANY UTILITIES ENCOUNTERED THAT ARE NOT SHOWN ON THE DRAWINGS. PRESERVE AND REPAIR ANY UTILITIES THAT ARE DAMAGED AND THAT ARE TO REMAIN.

4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CROSSINGS OF NEW UTILITIES WITH EACH OTHER, AND WITH EXISTING UTILITIES. VERIFY EXISTING PIPE LOCATION AND INVERT PRIOR TO INSTALLING NEW UTILITIES. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR DEVIATIONS.

5. PRIOR TO CONNECTING TO EXISTING UTILITIES FIELD VERIFY LOCATION & INVERT OR DEPTH PRIOR TO INSTALLING NEW PIPE OR EQUIPMENT.

6. ALL CATCH BASINS WITHIN VEHICULAR AREAS SHALL BE TRAFFIC RATED FOR H20 VEHICULAR LOADS. FOR CATCH BASINS IN WALKWAY AREAS, INCLUDING EXISTING CATCH BASINS, USE HEEL PROOF AND ADA COMPLIANT GRATE.

ADA COMPLIANCE:

1. ALL NEW WORK SHALL CONFORM TO TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE AND THE AMERICANS WITH DISABILITIES ACT 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, AND ANY LOCAL OR STATE AMENDMENTS THEREOF.

2. ALL NEW CURB RAMPS SHALL NOT EXCEED A SLOPE OF 1:12 (8.33% MAX).

3. ALL WALKS NOT DESIGNATED AS RAMPS SHALL NOT EXCEED A SLOPE OF 1:20 (5%) LONGITUDINALLY.

4. LANDINGS SHALL BE PROVIDED AT PRIMARY ENTRANCES TO BUILDINGS WITH A 2% MAXIMUM SLOPE. THE LANDINGS SHALL HAVE A MINIMUM WIDTH OF 60" AND A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPENS ONTO THE LANDING.

5. RAMPS ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES OF 1:20 (5%) AND 1:12 (8.33%), AND SHALL HAVE A MINIMUM WIDTH OF 48" AND A MAXIMUM CROSS-SLOPE OF 2%. RAMPS EXCEEDING 30" VERTICAL DROP SHALL HAVE INTERMEDIATE (2% MAXIMUM SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60". BOTTOM LANDINGS AND LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72".

6. MAXIMUM CROSS-SLOPE ON ANY SIDEWALK OR RAMP SHALL BE 2%. MAXIMUM SLOPE IN ANY DIRECTION WITHIN PARKING STALLS DESIGNATED AS ACCESSIBLE PARKING STALL SHALL BE 2%.

EARTHWORK QUANTITIES:

CUT = 384 CY / FILL = 13 CY / EXPORT = 371 CY

ABBREVIATIONS

AD	AREA DRAIN	FF	FINISHED FLOOR
ASR	AUTMOATIC SPRINKLER RISER	FG	FINISHED GRADE
ARV	AIR RELEASE VALVE	FS	FINISHED SURFACE
BFP	BACKFLOW PREVENTION DEVICE	GFF	GARAGE FINISHED FLOOR
BO	BLOWOFF	GB	GRADE BREAK
BOW	BOTTOM OF WALL (AT GROUND)	HP	HIGH POINT
BW	BACK OF WALK	INV	INVERT ELEVATION
BLDG	BUILDING	LP	LOW POINT
CB	CATCH BASIN	LT	LIGHT
CO	CLEANOUT	MH	MANHOLE
CONC	CONCRETE	PV	PAVEMENT
CMP	CORRUGATED METAL PIPE	PIV	POST INDICATOR VALVE
DR	DOOR	POC	POINT OF CONNECTION
DS	DOWN SPOUT	R	RIDGE
DIP	DUCTILE IRON PIPE	RIM	RIM ELEVATION
ESMT	EASEMENT	RD	ROOF DRAIN
EG	EXISTING GRADE	SDJB	STORM DRAIN JUNCTION BOX
EW	EDGE OF WALK	SDMH	STORM DRAIN MANHOLE
FB	FACE OF BERM	TC	TOP OF CURB
FC	FACE OF CURB	TG	TOP OF GRATE
FW	FACE OF WALL	TW	TOP OF WALL
FF	FINISHED FLOOR	T	TRANSFORMER
FDC	FIRE DEPARTMENT CONNECTION	TE	TRASH ENCLOSURE
FH	FIRE HYDRANT	WM	WATER METER
FL	FLOW LINE	WV	WATER VALVE

LEGEND

BOUNDARY LINES
- CENTER LINE
- EASEMENT LINE
- PROPERTY LINE / RIGHT OF WAY LINE

HARDSCAPE LINES
- CURB (EXISTING AND PROPOSED)
- CURB & GUTTER (EXISTING AND PROPOSED)
- SIDEWALK (EXISTING AND PROPOSED)
- FENCE (EXISTING AND PROPOSED)
- STRIPING
- EDGE OF PAVEMENT

GRADING ELEMENTS
- MINOR CONTOUR (EXISTING AND PROPOSED)
- MAJOR CONTOUR (EXISTING AND PROPOSED)
- TOP OF SLOPE
- TOE OF SLOPE
- GRADE BREAK
- RIDGE
- LIMITS OF GRADING / DAYLIGHT LINE
- CUT-FILL BOUNDARY

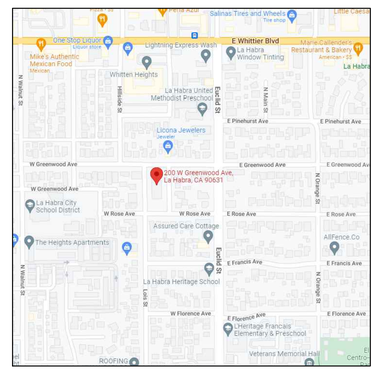
UTILITY ELEMENTS
- SEWER (EXISTING AND PROPOSED)
- WATER (EXISTING AND PROPOSED)
- STORM DRAIN (EXISTING AND PROPOSED)
- GAS (EXISTING AND PROPOSED)
- FIRE HYDRANT (EXISTING AND PROPOSED)
- WATER VALVE (EXISTING AND PROPOSED)
- WATER METER (EXISTING AND PROPOSED)
- SEWER MANHOLE (EXISTING AND PROPOSED)
- STORM DRAIN STRUCTURE (EXISTING AND PROPOSED)

INDEX OF SHEETS

C1 COVER SHEET
C2 GRADING & DRAINAGE PLAN
C3 EROSION CONTROL PLAN
C4 DETAILS
C5 DETAILS

VICINITY MAP

NOT TO SCALE



811 Know what's below. Call before you dig.

NOTICE TO CONTRACTORS

CONTRACTOR TO NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 811 A MINIMUM OF 48 HOURS BEFORE BEGINNING UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF UNDERGROUND UTILITIES

100% CD SUBMITTAL

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WOMEN'S CLUB PARK

200 WEST GREENWOOD AVENUE
LA HABRA, CA 90631

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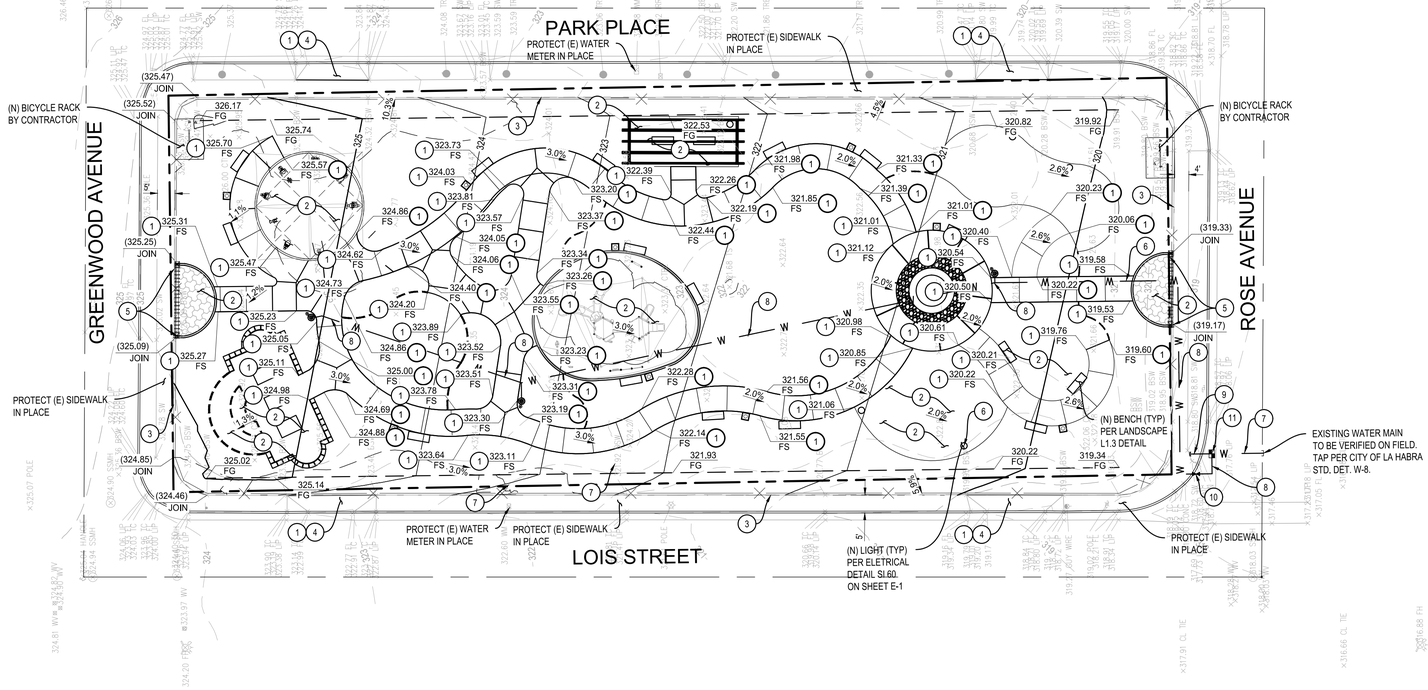
JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:

COVER SHEET

SHEET NUMBER:

C1



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0 10 20 40 60

Scale 1" = 20 ft

GRADING CONSTRUCTION KEYNOTES / LEGEND

1. CONSTRUCT SIDEWALK PER DETAIL 1 ON SHEET C4
2. CONSTRUCT HARDSCAPE, INSTALL MATERIAL ON 4-INCH AGGREGATE BASE, SEE LANDSCAPE PLANS SHEET L1.1 AND L1.3 FOR SPECIFICATIONS. PRODUCT TO BE 4" P.C.C. UNLESS NOTED OTHERWISE.
3. CUT/FILL DAYLIGHT LINE.
4. SAWCUT EXISTING SIDEWALK, REMOVE EXISTING DRIVEWAY APPROACH, AND REPLACE CURB AND GUTTER, MAINTAIN EXISTING LINE AND GRADE OF FLOWLINE AND REPLACE WITH CURB AND GUTTER PER SPPWC STD. PLAN NO 120-2 (A1-6).
5. CONSTRUCT PERGOLA PER LANDSCAPE PLANS, REFER TO DETAIL 1 ON L1.5 AND DETAIL 4 ON SHEET C4 AND DETAIL 1 ON SHEET C5.
6. CONSTRUCT LIGHT POLE PER LANDSCAPE PLANS, REFER TO DETAIL SI 60 ON SHEET E-1 AND DETAIL 5 OF SHEET C4.
7. — W — INSTALL 2-INCH DOMESTIC WATER SERVICE PER CITY OF LA HABRA STANDARD DETAIL W-6A. CONNECT TO NEW WATER METER SHOWN HEREON. TRENCH BACKFILL PER CITY OF LA HABRA STANDARD DETAIL W-21.
8. — W — INSTALL 1-INCH DOMESTIC WATER SERVICE PER CITY OF LA HABRA STANDARD DETAIL W-6A. CONNECT TO NEW WATER METER SHOWN HEREON. TRENCH BACKFILL PER CITY OF LA HABRA STANDARD DETAIL W-21.
9. — W — NEW IRRIGATION LINE PER LANDSCAPE PLANS, REFER TO SHEET L2.1 FOR SIZE AND DETAILS.
10. NEW BACKFLOW PREVENTER PER LANDSCAPE PLANS, REFER TO SHEET L2.1 FOR EQUIPMENT DETAILS.
11. NEW WATER METER PER LANDSCAPE PLANS, REFER TO SHEET L2.1 FOR EQUIPMENT DETAILS.

GRADING NOTES

1. EXISTING SURFACE INFORMATION WAS TAKEN FROM A TOPOGRAPHIC SURVEY PROVIDED BY OTHERS. CCE DESIGN ASSOCIATES, INC. ASSUMES NO LIABILITY IN REGARD TO THE ACCURACY OF EXISTING ELEVATIONS AND SURFACE FEATURES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING INFORMATION PRIOR TO START OF CONSTRUCTION AND REPORTING ANY DISCREPANCIES TO THE ENGINEER OF RECORD.
2. PROVIDE 8" MINIMUM CLEAR SPACE FROM FINISHED SOIL GRADE (FG) TO ANY BUILDING WALL OR EXPOSED WOODEN STRUCTURAL ELEMENTS. CONSTRUCT STEM WALL AT BUILDING PERIMETER WHERE THIS CONDITION CANNOT BE MET.
3. ALL HARDSCAPE ADJACENT TO STRUCTURES SHALL SLOPE AT A MINIMUM OF 2% FOR 5-FEET AWAY FROM FOUNDATION.
4. IMPROVEMENTS WITHIN CITY OF LA HABRA PUBLIC RIGHT OF WAY, INCLUDING (BUT NOT EXCLUSIVE OF) FENCES, DRIVEWAYS, AND UTILITY CONNECTIONS WILL REQUIRE SUBSEQUENT PERMITS.
5. CONTRACTOR TO CONSTRUCT TEMPORARY CHAIN LINK FENCE WITH A SCREEN AND A GATE AROUND THE PROPERTY TO PREVENT UNAUTHORIZED ENTRY DURING CONSTRUCTION.

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GRADING PLAN

SHEET NUMBER:

C2

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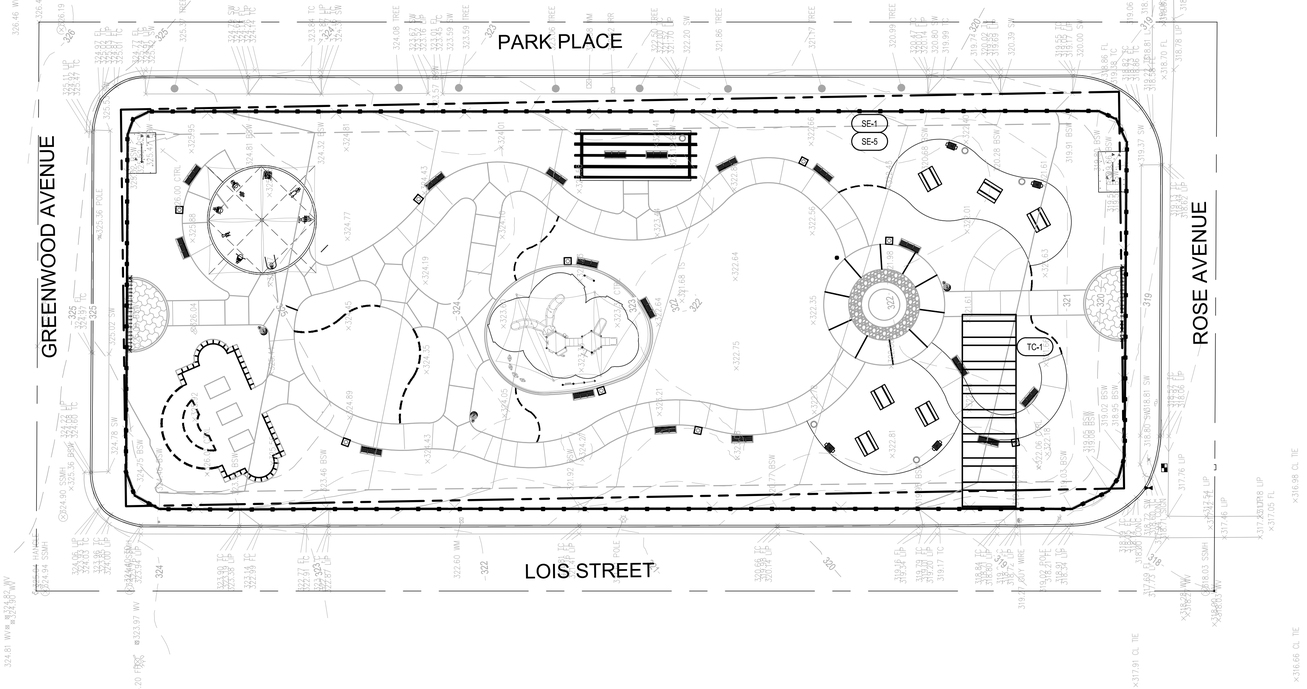

EROSION CONSTRUCTION NOTES / LEGEND

- SE-1 — SILT FENCE PER CASQA BMP SE-1. SEE DETAIL 6 ON SHEET C4.
- SE-5 — FIBER ROLLS PER CASQA BMP SE-5. SEE DETAIL 2 ON SHEET C4.
- TC-1 — STABILIZED CONSTRUCTION ENTRANCE / EXIT PER CASQA BMP TC-1. SEE DETAIL 3 ON SHEET C4.

THE FOLLOWING CASQA BMPS ARE PART OF THE EROSION CONTROL PLAN; HOWEVER, ARE NOT LOCATION BASED AND CANNOT BE SHOWN HEREON:

- SE-10 — INLET PROTECTION PER CASQA BMP SE-10. NOTE THAT NO INLETS ARE ADJACENT TO THIS PROPERTY. INSTALL BMPS AT NEAREST DOWNSTREAM INLETS.
- EC-1 — SCHEDULING PER CASQA BMP EC-1
- EC-4 — HYDROSEEDING PER CASQA BMP EC-4
- SE-6 — GRAVEL BAG BERM PER CASQA BMP SE-6 (ACCEPTABLE SUBSTITUTE FOR FIBER ROLLS)
- SE-7 — STREET SWEEPING AND VACUUMING PER CASQA BMP SE-7
- WE-1 — WIND EROSION CONTROL PER CASQA BMP WE-1
- TC-3 — ENTRANCE / OUTLET TIRE WASH PER DETAIL 3 ON SHEET C4
- NS-X — ANY AND ALL APPLICABLE CASQA NON-STORMWATER BMPS (INCLUSIVE OF NS-1 THROUGH NS-16)
- WM-X — ANY AND ALL APPLICABLE CASQA WASTE MANAGEMENT BMPS (INCLUSIVE OF WM-1 THROUGH WM-10)

EROSION CONTROL NOTES

TEMPORARY EROSION CONTROL PRIOR TO COMPLETION OF FINAL IMPROVEMENTS SHALL BE PERFORMED BY THE CONTRACTOR AS INDICATED BELOW:

1. ALL GRADED AREAS ARE TO RECEIVE HYDROSEED EROSION CONTROL. HYDROSEEDING TO EXTEND 5 FT BEYOND DAYLIGHT LINES.
2. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ONSITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
3. DEVICES SHOWN ON PLAN SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE RESIDENT ENGINEER.
4. THE CONTRACTOR SHALL RESTORE ALL EROSION CONTROL DEVICES TO WORKING ORDER AFTER EACH RUNOFF PRODUCING RAINFALL.
5. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES WHICH MAY ARISE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
7. ALL EROSION CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON.
8. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
9. TEMPORARY EROSION CONTROL DEVICES ARE TO REMAIN IN PLACE UNTIL HYDROSEEDED AREAS ARE ESTABLISHED AND NO EROSION IS EVIDENT.
10. EXCEPT AS OTHERWISE DIRECTED BY THE CITY INSPECTOR, ALL DRAINAGE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF THE WORKING DAY WHEN THE 48 HOUR FORECAST OF RAIN PROBABILITY IS 40% AND MAINTAINED DURING THE RAINY SEASON FROM OCTOBER 15TH TO APRIL 15TH OF THE SUCCEEDING YEAR.
11. EROSION CONTROL DEVICES MUST BE IN PLACE DURING THE ABOVE STATED PERIOD.
12. CLEAN OUT MUD AND SILT AFTER EACH RAIN OR AS DIRECTED BY THE CITY INSPECTOR.
13. THE LOCATIONS OF THE GRAVEL BAGS AS SHOWN MAY VARY DUE TO THE FIELD CONDITIONS AND ADDITIONAL GRAVEL BAGS MAY BE REQUIRED AS DIRECTED BY THE CITY INSPECTOR.
14. FIBER ROLLS MAY BE USED IN PLACE OF GRAVEL BAGS AND SPACING IS TO BE PER STREET SCHEDULE HEREON BELOW AND SHALL BE PLACED BY FIELD CONDITIONS ALSO, DRIVEWAYS SHALL HAVE GRAVEL BAGS PLACED AT 50 FOOT INTERVALS.
15. PLACE MIRAFI FILTER FABRIC INSERT INTO CATCH BASIN OPENING AND PROTECT WITH GRAVEL BAGS (BMP SE-10).

NOTE:

THE LOCATION AND DESIGN OF ALL EROSION CONTROL MEASURES SHOWN ON THESE PLANS ARE TENTATIVE ONLY AND ARE SUBJECT TO REVISIONS AS DETERMINED BY THE RESIDENT INSPECTOR OR THE CITY ENGINEER. ACTUAL EROSION CONTROL MEASURES SHALL BE INSTALLED TO THE SATISFACTION OF THE RESIDENT INSPECTOR, AS CONDITIONS WARRANT. SILT, DEBRIS, AND MUD SHALL BE PROMPTLY REMOVED FROM ALL EROSION CONTROL STRUCTURES AFTER EACH RAIN TO THE SATISFACTION OF THE RESIDENT INSPECTOR. THE CITY MAY CONDUCT REGULAR SITE INSPECTIONS TO ASSESS CHANGING CONDITIONS AND DETERMINE THE NECESSITY OF ADDITIONAL CONTROL MEASURES.

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL ALL EROSION CONTROL FACILITIES AS SHOWN ON THE APPROVED EROSION CONTROL PLAN OR AS DIRECTED BY THE CITY ENGINEER AT THE END OF EACH WORKING DAY.
2. THE CONTACT PERSON RESPONSIBLE FOR EROSION CONTROL IS THE CONSTRUCTION SUPERINTENDENT INDICATED HERE:

   24 HOUR CONTACT TELEPHONE NUMBER: TBD

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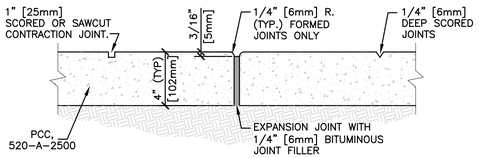
SHEET DESCRIPTION:

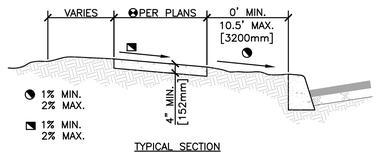
EROSION CONTROL PLAN

SHEET NUMBER:

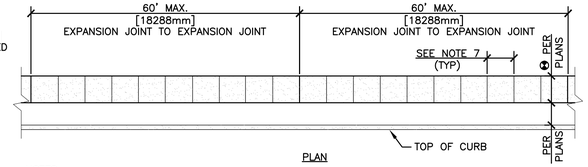
C3



EXPANSION AND SCORED JOINT DETAIL



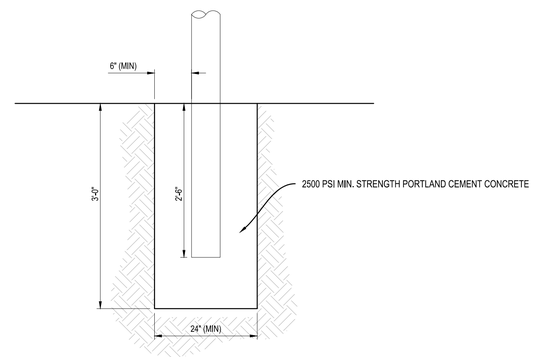
TYPICAL SECTION



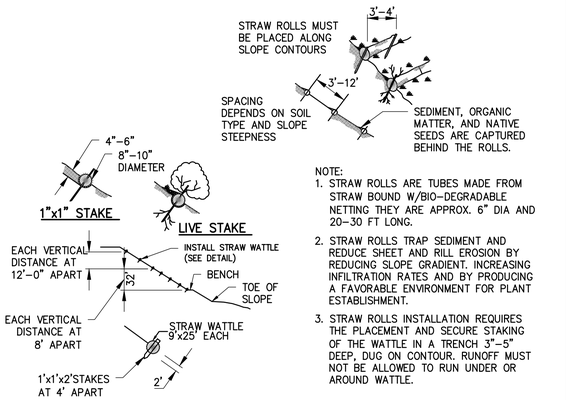
PLAN

NOTES:
1. EXPANSION JOINTS SHALL BE LOCATED WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS, CURB OR OTHER ADJACENT STRUCTURES.
2. ONE-HALF INCH BITUMINOUS JOINT FILLER SHALL BE INSTALLED AT EXPANSION JOINT LOCATIONS AND SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
3. 1" DEEP CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF APPROXIMATELY 15' [4572mm] OR AT A SPACING THAT MATCHES THE ADJACENT CURB.
4. FORMED CONTRACTION JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4" [6mm] RADIUS.
5. SCORED JOINTS SHALL BE 1/4" [6mm] DEEP AND PLACED AT THE SPACING INDICATED FOR THE WIDTH OF SIDEWALK OR MATCH SCORED JOINTS OF ADJACENT CURB.
6. CONCRETE SHALL BE FINISHED BY MEANS OF A FLOAT, STEEL TROWELLED AND BROOMED WITH A FINE BRUSH IN A TRANSVERSE DIRECTION.
7. 1/4" DEEP SCORED JOINTS (TYP) SPACED AT 6' [1829mm] OR EQUAL TO SIDEWALK WIDTH.

1 SIDEWALK DETAIL
NOT TO SCALE

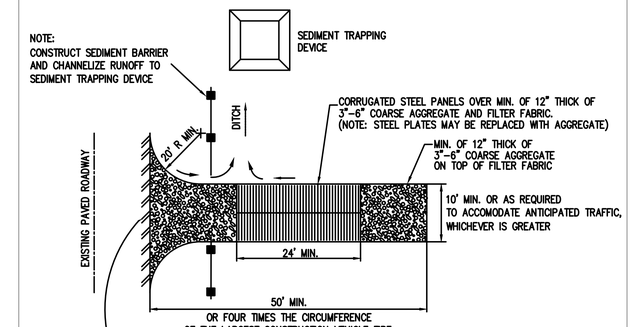


4 PERGOLA BASE DETAIL
NOT TO SCALE



NOTE:
1. STRAW ROLLS ARE TUBES MADE FROM STRAW BOUND W/BIO-DEGRADABLE NETTING THEY ARE APPROX. 6" DIA AND 20-30 FT LONG.
2. STRAW ROLLS TRAP SEDIMENT AND REDUCE SHEET AND RILL EROSION BY REDUCING SLOPE GRADIENT. INCREASING INFILTRATION RATES AND BY PRODUCING A FAVORABLE ENVIRONMENT FOR PLANT ESTABLISHMENT.
3. STRAW ROLLS INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND WATTLE.

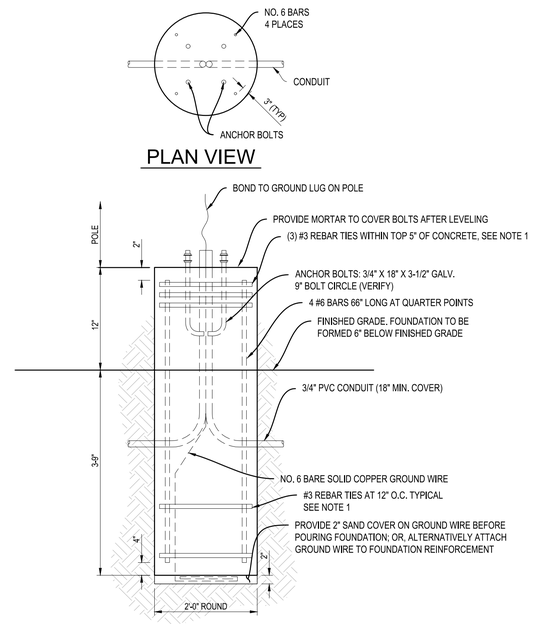
2 FIBER ROLLS
NOT TO SCALE



NOTES:
1. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM.
2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE:
   2.1. LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.
   2.2. A SERIES OF STEEL PLATES WITH "RUMBLE STRIPS", AND/OR MIN 3"-6" COARSE AGGREGATE WITH LENGTH, WIDTH & THICKNESS AS NEEDED TO ADEQUATLY PREVENT ANY TRACKING ONTO PAVED SURFACES.
   2.3. ADDING A WASH RACK WITH A SEDIMENT TRAP LARGE ENOUGH TO COLLECT ALL WASH WATER CAN GREATLY IMPROVE EFFICIENCY.
3. ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE SITES.

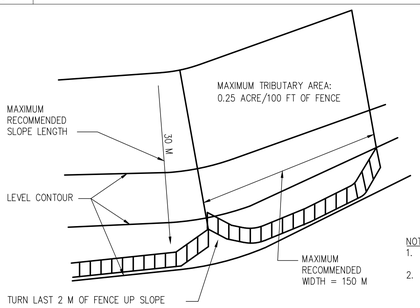
STREET MAINTENANCE NOTES:
1. REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
2. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE.
3. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM.

3 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



NOTES:
1. TIES SHALL HAVE AT EACH END A 135 DEGREE HOOK BEND WITH A SIX-BAR DIAMETER BUT NOT LESS THAN 3 INCH EXTENSION THAT ENGAGES THE LONGITUDINAL REINFORCEMENT AND PROJECTS INTO THE INTERIOR OF THE STIRRUP OR HOOP.
2. CONCRETE TO BE 2500 PSI (MIN).

5 POLE BASE DETAIL
NOT TO SCALE



NOTES:
1. LOCATE SILT FENCE ALONG A LEVEL CONTOUR.
2. REFER TO CASQA SE-1, SE-1 DETAIL WILL PREVAIL IF ANY DISCREPANCIES EXIST.

6 SILT FENCE
NOT TO SCALE

Troller Mayer Associates, Inc
Landscape Architecture Planning Urban Design
1403 Kenneth Road, Suite B
Glendale, Ca 91201-1421
23545 Crenshaw Blvd., Suite 211
Torrance, CA 90505
Ph:(310) 738-2088
E-mail: jmassoud@trollermayer.com

REGISTERED PROFESSIONAL ENGINEER
RANDY CHAPMAN
No. 69514
EXP 5/30/24
CIVIL
STATE OF CALIFORNIA

CCE DESIGN ASSOCIATES
CCE DESIGN ASSOCIATES, INC.
771 E. Daily Drive, Suite 120; Camarillo, CA 93010
P:805.738.5434
www.ccedesignassociates.com

WOMEN'S CLUB PARK

200 WEST GREENWOOD AVENUE
LA HABRA, CA 90631

ISSUES / REVISIONS

No.	DATE	DESCRIPTION
1	11/30/22	1ST CITY PLAN CHECK REVIEW
2	02/17/23	2ND CITY PLAN CHECK SUBMITTAL
3	06/08/23	100% CD SUBMITTAL
4	09/08/23	100% CD SUBMITTAL
5	12/08/23	100% CD SUBMITTAL

JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:

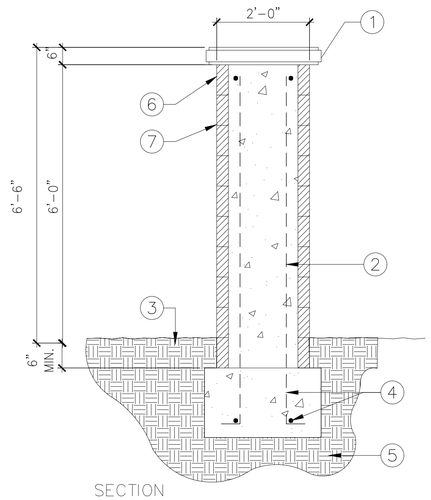
DETAILS

SHEET NUMBER:

C4

100% CD SUBMITTAL

S:\1.Projects\C22.0519 Women's Club Park\3.CAD\C22.0519_Civil.dwg, 12/8/2023 4:40:34 PM, RandyChapman



SECTION

1. PRECAST CONCRETE CAP, SEE DETAIL 11 ON SHEET L1.4. TO BE INSTALLED BY CONTRACTOR.
2. INSTALL #4 REBAR AT EACH CORNER, 3" CLEAR FROM FACE.
3. FINISHED GRADE
4. CONCRETE FOOTING PER DETAIL 4 ON SHEET C4
5. REMOVE AND RECOMPACT EXISTING SUBGRADE TO A DEPTH OF 12" BELOW FOUNDATION
6. SPLIT FACE 8x8x16 CMU, GROUT FILL ALL CELLS. SPLIT FACE CMU COLOR: HARVEST GROUT COLOR: GREY. SPLIT FACE CMU AVAILABLE AT ANGELUS VLOCK CO. INC. 818.767.8576
7. 6x6 DESIGN TILE

1 PERGOLA DETAIL
NOT TO SCALE

100% CD SUBMITTAL

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5	12/08/23	100% CD SUBMITTAL

JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:

DETAILS

SHEET NUMBER:

C5

LED FIXTURE SCHEDULE

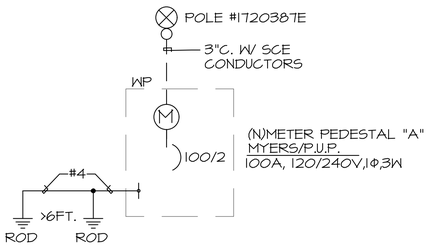
TYPE	MANUFACTURER AND CATALOG NUMBER	QUANTITY	LED MODULE TYPE	LED MODULE COLOR TEMP	LED MODULE WATTS	DRIVER	OPTIC/LENS	REMARKS
S1 60	KING LUMINAIRE WASHINGTON K118 R1 AR IV 60 SSL 1042 120V K13-3K CR BZ SEE DETAIL A/E-2 FOR FIXTURE DATASHEET	10	LED	3000K	60	0-10V	DIFFUSE	WALKWAY LIGHT FIXTURE
	AMERO + CORSICAN 20 CT 12 SEE DETAIL B/E-2 FOR POLE DATASHEET	10	POLE	POLE	POLE	POLE	POLE	DECORATIVE 12'9" CONCRETE POLE EMBEDDED

(N) PANEL SCHEDULE "A"

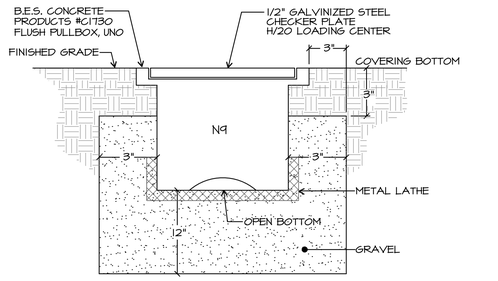
SERVICE: 120/240V 1Φ 3W | MAIN BKR.: 100A - 2P | BUS: 100A | LOC.: SEE PLAN
MYERS METER PEDESTAL NEMA 3R | MTG.: PEDESTAL

REMARKS	LOAD ΦA	LOAD ΦB	REC	LTG	MISC	POLE	TRIP	CIRC		CIRC	TRIP	POLE	REC	LTG	MISC	LOAD ΦA	LOAD ΦB	REMARKS
WALKWAY LIGHTS	500			7		1	20	1	*	2	20	1				500		REC AT PEDESTAL
"		500		6		1	20	3	*	4	20	1					500	GENERAL REC
"	500			5		1	20	5		6	20	1						SPARE
SPARE						1	20	7		8	20	1						"
"						1	20	9		10	20	1						"
"						1	20	11		12	20	1						"

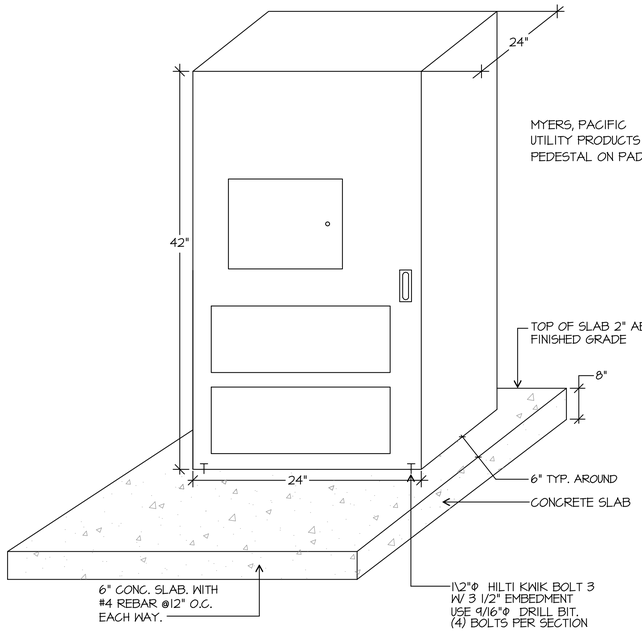
TOTAL WATTS= 2,500 | ΦA= 1,500 | ΦB= 1,000
AMPS= 12A * CONTROLLED BY RELAY AND PC | MINIMUM BKR | A.I.C. RATING= 10,000 AMPS SYM



SINGLE LINE DIAGRAM (A)

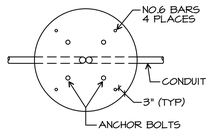


FLUSH PULLBOX DETAIL (B)
SCALE: NONE

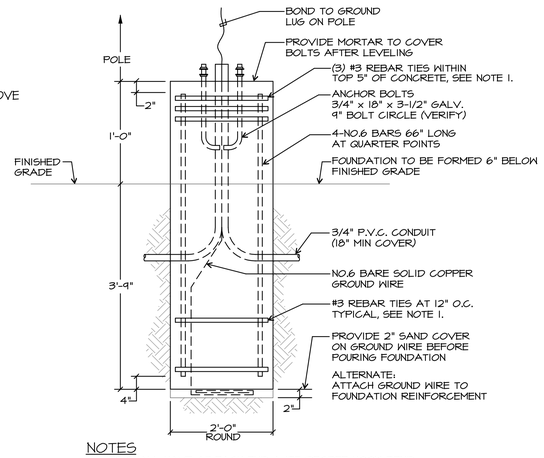


NOTES:
1. FOR OUTDOOR PEDESTAL MOUNTING, CONCRETE PAD SHALL BE 6" WIDER THAN PANEL HOUSING.
2. DRILL HOLES AND SET EXPANSION ANCHORS PRIOR TO POSITIONING PEDESTAL.

PEDESTAL MOUNTING DETAIL (E)

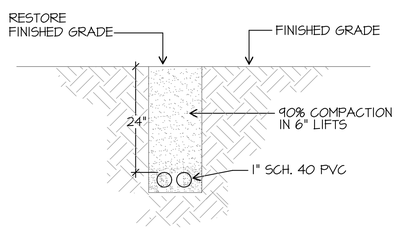


PLAN VIEW



NOTES
1. TIES SHALL HAVE AT EACH END A 135 DEGREE HOOK BEND WITH A SIX-BAR DIAMETER BUT NOT LESS THAN 3 INCH EXTENSION THAT ENGAGES THE LONGITUDAL REINFORCEMENT AND PROJECTS INTO THE INTERIOR OF THE STIRRUP OR HOOP.

POLE BASE DETAIL (D)



TRENCH DETAIL (C)
SCALE: NONE

GENERAL NOTES

1. VISIT JOB SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID.
2. THE ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2022 CALIFORNIA ELECTRICAL CODE AND ALL APPLICABLE LOCAL ORDINANCES. WHERE PLANS CALL FOR A HIGHER STANDARD THAN APPLICABLE CODES, THE PLANS SHALL GOVERN.
3. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT FIELD CONDITIONS.
4. ALL ELECTRICAL EQUIPMENT, APPLIANCES AND LIGHTING FIXTURES SHALL BE LISTED BY A RECOGNIZED TEST LAB AND BEAR THAT LABEL OF APPROVAL.
5. CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL MATERIAL AND EQUIPMENT FOR THIS WORK UNLESS OTHERWISE NOTED.
6. FURNISH DISCONNECT SWITCHES AT REMOTE MOTORS.
7. ALL SPACES AS INDICATED ON PANELS OR SWITCHBOARDS SHALL BE COMPLETE WITH HARDWARE AND BUSSING FOR FUTURE BREAKER OR SWITCH.
8. CHECK ARCHITECTURAL PLANS FOR DOOR SWINGS BEFORE INSTALLING SWITCH OUTLETS.
9. GROUNDING AND BONDING SHALL BE PER CODE PLUS ANY ADDITIONAL PROVISIONS SPECIFIED OR SHOWN ON DRAWINGS.
10. ALL CONDUIT RUNS SHALL CONTAIN A CODE SIZED GREEN GROUND WIRE.
11. THESE PLANS ARE NOT COMPLETE UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION.
12. ALL CONDUCTORS SHALL BE IN CONDUIT.
13. ALL CONDUCTORS SHALL BE COPPER WITH TYPE THHN/THWN INSULATION.
14. COORDINATE WITH SERVING ELECTRICAL UTILITY COMPANY AND MAKE PROVISIONS FOR ELECTRICAL SERVICE ACCORDINGLY. INCLUDE ALL SERVICE COSTS AND UTILITY COMPANY CHARGES IN BID.
15. COORDINATE WITH SERVING TELEPHONE UTILITY COMPANY AND MAKE PROVISIONS FOR TELEPHONE SERVICE ACCORDINGLY. INCLUDE ALL SERVICE COSTS AND ANY UTILITY COMPANY CHARGES IN BID.
16. COORDINATE WITH SERVING CABLE TELEVISION COMPANY AND MAKE PROVISIONS FOR CABLE TELEVISION ACCORDINGLY. INCLUDE ALL SERVICE COSTS AND ANY UTILITY COMPANY CHARGES IN BID.
17. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY CONTRACTOR.

SYMBOLS

	CONDUIT EXISTING
	CONDUIT CONCEALED IN WALL OR CEILING
	CONDUIT CONCEALED UNDER FLOOR OR BELOW GRADE
E	CONDUIT STUBBED OUT AND CAPPED
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	HATCH MARKS INDICATE NO. OF #12 WIRES IN CODE SIZED CONDUIT (3) MAX. IN 1/2" C., (5) MAX. IN 3/4" C., (8) MAX. IN 1"C., NO MARKS = 2#12
A-3	HOME RUN: LETTER INDICATES PANEL, NUMBER(S) INDICATES CIRCUIT(S).
	SAWCUT
	GROUND CONNECTION
	DISTRIBUTION SWITCHBOARD OR PANEL
	PANEL, BRANCH CIRCUIT TYPE, SURFACE AND FLUSH
	SIGNAL TERMINAL CABINET, SURFACE & FLUSH
	LINEAR SURFACE FIXTURE
2	OUTLET DATA: BAR INDICATES WALL MOUNT, LETTER INDICATES SWITCH CONTROL, NO. INDICATES CIRCUIT.
	SURFACE FIXTURE ON FLUSH OUTLET.
	RECESSED FIXTURE WITH JUNCTION BOX FOR THRU WIRING
	EXIT LIGHT WITH ARROWS AS SHOWN ON PLANS, WALL AND CEILING MOUNT.
	LOW LEVEL EXIT SIGN, +6" AFF, +4" FROM DOOR JAMB
A 100	LIGHT FIXTURE DESIGNATION, LETTER INDICATES TYPE, NO. INDICATES WATTAGE. SEE FIXTURE SCHEDULE.
FC 1	MECHANICAL EQUIPMENT DESIGNATION. SEE MECHANICAL DRAWINGS.
	SPECIAL RECEPTACLE – SEE PLAN
M	METER
	FLUSH FLOOR RECEPTACLE
	RECEPTACLE, DUPLEX, 15A, 125V, NEMA 5-15R +18" U.N.O.
	DUPLEX RECEPTACLE MTD. ABOVE BACKSPLASH
	DUPLEX RECEPTACLE W/LOWER HALF SWITCHED
GFI	GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	CEILING RECEPTACLE
	RECEPTACLE, DUPLEX, 20A, 125V, NEMA 5-20R +18" U.N.O.
J	JUNCTION BOX 4" SQUARE, 1-1/2" DEEP U.N.O.
T	THERMOSTAT F.B.O. +48"
2	MOTOR, NO. INDICATES HORSEPOWER
	CLOCK OUTLET +7'-6" U.N.O.
	DISCONNECT SWITCH, NON-FUSED
F	DISCONNECT SWITCH FUSED HORSEPOWER RATED OR SIZED AS NOTED
	COMBINATION MAGNETIC STARTER WITH DISCONNECT SWITCH AND FUSES
	MAGNETIC MOTOR STARTER W/OVERLOADS IN EACH PHASE
D	DIMMER W/INTEGRAL "ON-OFF" SW.
	PUSHBUTTON
PC	PHOTOCELL
SD	SMOKE DETECTOR
	TELEPHONE/COMPUTER/DATA OUTLET, TWO GANG BOX W/1 GANG COVERPLATE & GROMMETED OPENING +18" U.N.O.
	CABLE TV OUTLET +18" U.N.O.
M	MOTION SENSOR
$	EXISTING SWITCH
S	SINGLE POLE SWITCH
^{2}	DOUBLE POLE SWITCH
^{3}	THREE WAY SWITCH
^{P}	SWITCH W/PILOT LT.
	QUIET TOGGLE TYPE RATED AT 20A, 120/277V A.C. +42" U.N.O.
^{M}	MANUAL MOTOR STARTER
FACP	FIRE ALARM CONTROL PANEL
GFI	GROUND FAULT CIRCUIT INTERRUPTING
LST	LABOR SAVING TANDEM
MLO	MAIN LUGS ONLY
w/	WITH
C.O.	CONDUIT ONLY
W.P.	WEATHERPROOF
F.B.O.	FURNISHED BY OTHERS, INSTALL & CONNECT
U.N.O.	UNLESS NOTED OTHERWISE
N.E.C.	NATIONAL ELECTRICAL CODE
N.I.C.	NOT IN CONTRACT
(E)	EXISTING
(N)	NEW
(R)	REMOVE
(F)	FUTURE
S/M	SURFACE MOUNT
U/G	UNDERGROUND
CWP	COLD WATER PIPE
AFF	ABOVE FINISHED FLOOR
HACR	HEATING AND AIR CONDITIONING RATED CIRCUIT BREAKER
N.L.	NIGHT LIGHT

NOTE: NOT ALL SYMBOLS SHOWN ARE USED ON THIS PROJECT.

100% CD SUBMITTAL

CITY OF LA HABRA — A CARING COMMUNITY — EST. 1925

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E-mail: jmassoud@trollermayer.com

REGISTERED PROFESSIONAL ENGINEER — JOHN MALONEY — No. E011083 EXP. 06/30/2025 — ELECTRICAL — STATE OF CALIFORNIA

JMPE
ELECTRICAL ENGINEERING
LIGHTING DESIGN
CA REGISTRATION NO E13083
22634
627 OLIVE STREET
SANTA BARBARA CA 93101
(805) 569-0216
FAX (805) 569-2405
email : maloney@jmpe.net
www.jmpe.net

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JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:
GENERAL NOTES, CODES, SINGLE LINE DIAGRAM

SHEET NUMBER:
E-1

K118 WASHINGTON - LED

The King Luminaire K118 Washington is a beautiful depiction of this street light classic. This historical acorn shape teamed with King Luminaire's high performance LED engines make for a perfect solution for city streets, parks, schools and commercial areas.

King Luminaire

PRODUCT SPECIFICATIONS

R1/B3/B2 LED ENGINE
Light engine shall be an array of 56, 42, 54 or 63 solid state Cree X-Series high power LEDs (light emitting diodes) mounted to a multi-sided, vertical heat sink of highly conductive aluminum. The LED emitters are mounted to removable circuit boards such that they are in full thermal contact with the vertical heat sink. The vertical heat sink is open at the bottom and vented at the top to provide appropriate dynamic airflow cooling for the LED array. The emitters are arranged in various patterns on each face of the vertical heat sink to provide the required light distribution.

The LED arrays include optical baffles constructed of optical grade ABS plastic with a vacuum metallized reflective surface or clear acrylic precision refractors over each diode. Optical options are designed to efficiently control light distribution in IESNA Type IV & V for the B3/B2 and Type III & IV for the R1.

P4 LED ENGINE
Light engine shall include an array of Cree X-Series high power LEDs (light emitting diodes). The emitters shall be mounted to a metal core circuit board using SMT technology. The LEDs and circuit boards shall then be mounted to a high performance heat sink.

External light control shall consist of high precision refractive lenses mounted above the LED emitter arrays in such a way to achieve optimum uplight control. The lenses shall also control horizontal light distribution so that either Type II, III, IV or V IESNA distribution patterns are achieved.

LUMINAIRE CONSTRUCTION
All K118 Washington cast components shall consist of a heavy cast aluminum. The main body or capital acts as an enclosure for the driver assembly and is of adequate thickness to give sufficient structural rigidity. The capital shall have an opening at the base tenon body to allow the luminaire to be mounted to a tenon of 3-1/2" maximum diameter. The luminaire shall be locked in place by means of heavy duty, stainless steel set-screws.

GLOBE ASSEMBLY
The protective globe shall be molded of either; rippled polycarbonate Miles Makrolon GP/OP Thermoplastic Polymer, or equivalent, or rippled acrylic Acrylite Plus Acrylic Polymer, or equivalent, having a minimum thickness of 0.125".

The globe assembly is a self-contained unit consisting of the globe, rugged cast locking ring, and the LED light engine and optical control. The LED light engine is of a modular design, and is able to be quickly removed from the globe assembly. The globe assembly is secured to the main housing by means of a spring-tensioned, twist-locking Rotolock™ unit to allow tool-less removal of the globe, while maintaining a secure seal between the globe assembly and the main body of the luminaire, making the K118 Washington suitable for an outdoor environment.

DRIVER
The LED universal dimmable driver will be class 2 and capable of 120 ~ 277V or 347 ~ 480V input voltage, greater than 0.9 power factor, less than 20% total harmonic distortion. The case temperature of the driver can range from -40°C up to 70°C. Each LED system comes with a standard surge protection designed to withstand up to 20kV/10kA of transient line surge as per IEEE C62.41.2 C High. An in-line ferrite choke is utilized to provide protection against EFTs. The driver assembly will be mounted on a heavy duty fabricated galvanized steel bracket to allow complete tool-less maintenance. Dimming capable using 1-10vdc (10% to 100%), 10v PWM, or resistance.

PHOTOMETRICS
Fixtures are tested to IESNA LM79 specifications. These reports are available upon request.

CHROMATICITY
High output LEDs come standard at 3000K & 4000K (+/- 300K) with a minimum nominal 70 CRI. Additional CCT emitters are available upon request.

LUMEN MAINTENANCE
Reported (TM21) and Calculated (L70) reports are available upon request with a minimum calculated value of 100,000 hrs.

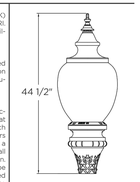
WIRING
All internal wiring and connections shall be completed so that it will be necessary only to attach the incoming supply connectors to Mate-N-Lok connectors or to a terminal block. Mate-N-Lok shall be certified for 600V operation. Internal wire connectors shall be crimp connector only and rated at 1000V and 150°C. All wiring to be CSA certified and/or UL listed, type SFF-2, SEWF-2, or SEW-2 No. 14 gauge, 150°C, 600V, and color coded for the required voltage.

THERMALS
Fixtures tested by a DOE sanctioned test facility to determine the maximum in-situ solder-point or junction-point temperatures of the LED emitters. This report is available upon request.

FINISH
Housing is finished with a 13 step KingCoat™ SuperDurable polyester TGIC powder coat. Standard colors include strobe white, brown metal, marina blue, gate gray, Chicago bronze, standard gold, standard black, federal green and rain forest. Please see our website for a complete list of colors. RAL and custom color matches are available.

MISCELLANEOUS
All exterior hardware and fasteners, wholly or partly exposed, shall be stainless steel alloy. All internal fasteners are stainless steel or zinc coated steel. All remaining internal hardware is stainless steel, aluminum alloy, or zinc coated steel.

WARRANTY
The K118 Washington LED luminaire comes with a 7 year limited warranty.



CERTIFICATION:
CSA US Listed
Suitable for wet locations
ISO 9001
IP66
ARRA Compliant
LM79 / LM80 Compliant

DRIVER INFO:
>0.9 Power Factor
<20% Total Harmonic Distortion
120 ~ 277V & 347 ~ 480V
-40°C Min. Case Temperature
70°C Max. Case Temperature
Surge Protection: ANSI C136.2 extreme level 20kV/10kA
Dimming Capable: 1-10vdc

EPA:
1.53 sq. ft.

FIXTURE WEIGHT:
38 lbs

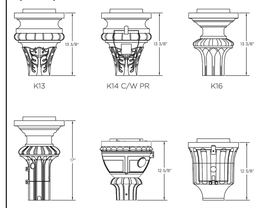
DLC Premium · CSA US · SCS

Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualification. Contact King Luminaire for assistance with products that are exempt from DLC Certification. 08-21-2020

FIXTURE OPTIONS

K118 WASHINGTON - LED

Capital Options

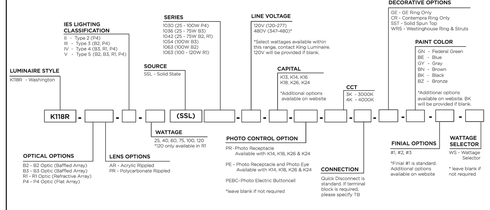


Decorative Options:

Finial Options:

#1 #2 #3

HOW TO ORDER



StressCrete GROUP

www.scgrp.com

King Luminaire

FIXTURE TYPE S1 DATASHEET

Ameron
Traditional Series
Corsican Poles

Available in base plate and embedded style

With the delicate leafing and fluted shape, the Corsican pole lends a Mediterranean allure to architectural environments. This timeless design complements both traditional and contemporary settings.

Our Ameron Traditional Series lighting poles combine the charm of yesterday with the technology of today. Available in a wide variety of styles, colors, and finishes, these poles provide architects and designers with many creative options.

Features and Benefits

- Prestressed steel and highest quality concrete are centrifugally cast for ultimate strength and durability
- Natural stone and terrazzo aggregates maintain a like-new appearance with virtually no maintenance
- Conforms to applicable sections of ACI, AASHTO, ASTM, and IBC standards
- Exclusive 10-year warranty

Colors and Finishes

A wide range of standard, preformulated, and custom colors are available. The concrete shafts are lightly blasted to expose the texture and color of the natural stone. See separate aggregates and finishes sheet for details. We offer Amershield, a premium graffiti-resistant coating, as well as other durable sealers and protectants that further enhance colors, protect the concrete surface, and aid in the removal of graffiti.

Durability with a classic touch

Ameron Corsican Poles

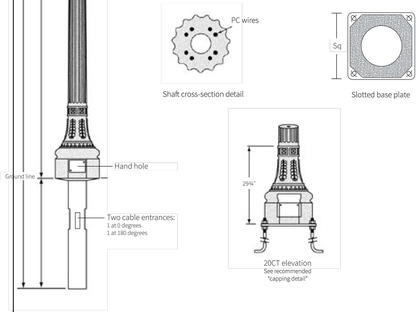
Base plate style - Information

Catalog number	Pole height "A"	Top OD	Base OD	Anchor bolt	Bolt circle	Base plate (Sq)	Ultimate GL moment (ft/lb)	Pole weight (lb)
20CT12	12' 9"	11"	19½"	¾" × 18" × 4"	22"	20"	21,500	725
20CT15	15' 1"	11"	19½"	¾" × 18" × 4"	22"	20"	21,500	850

Embedded style - Information

Catalog number	Pole height "A"	Top OD	Base OD	Embedded depth "B"	Overall length "OL"	Ultimate GL moment (ft/lb)	Pole weight (lb)
20ET12	12' 9"	11"	19½"	4' 1"	16' 10"	21,500	900
20ET15	15' 1"	11"	19½"	4' 1"	19' 2"	21,500	1,025

Specifications: Use Contemporary specifications.
Colors and Finishes: See Contemporary color selection guide.
Luminaire Mounting: See technical-mounting options section for more information.
Anti-graffiti and sealer: Optional coatings available for added protection.



NOV

6

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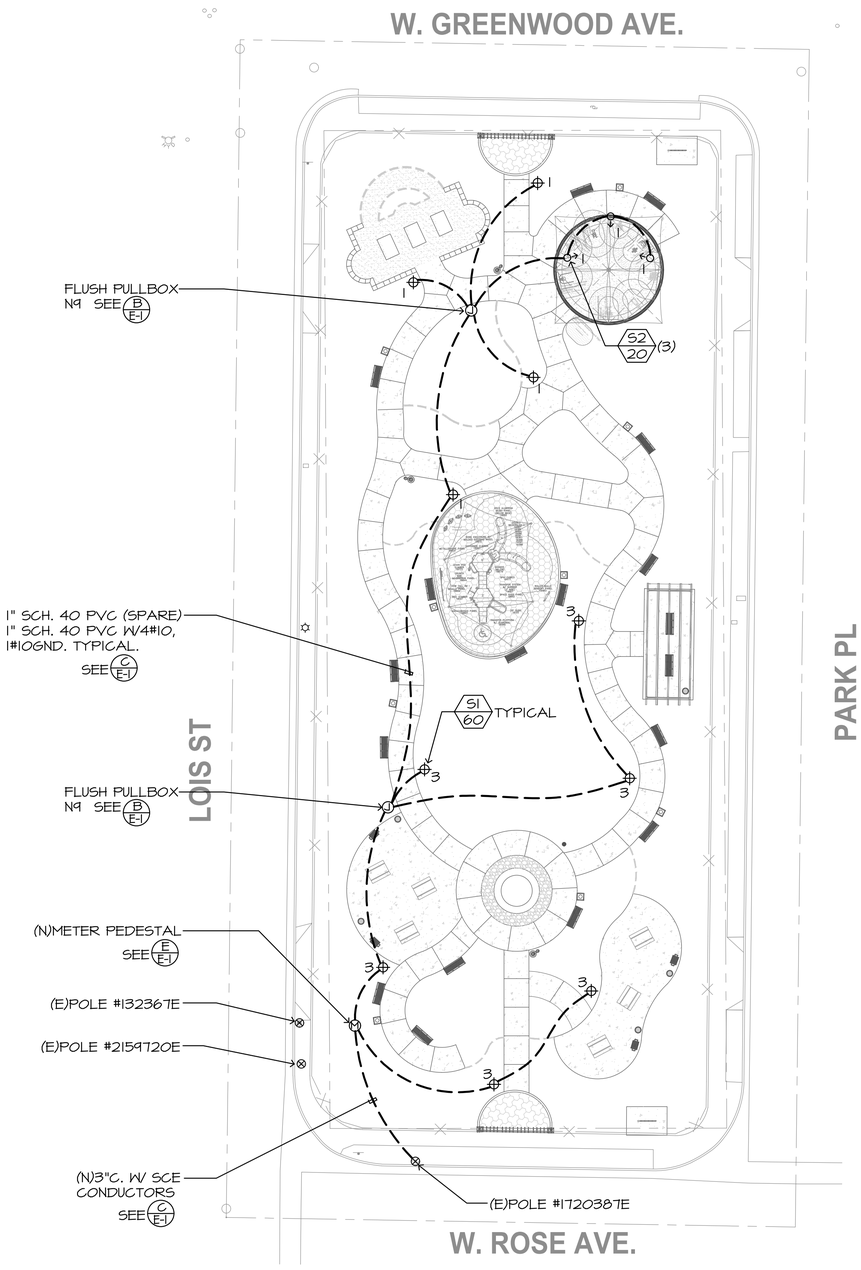
FIXTURE TYPE S1 POLE DATASHEET

LIGHTING PLAN NOTES

1. LIGHTS ARE CONTROLLED VIA PHOTOCELL. PHOTOCELL IS PART OF THE METER PEDESTAL. SEE E/E-1.



SITE LIGHTING PLAN

SCALE: 1"=20'-0"

NORTH

100% CD SUBMITTAL

Troller Mayer Associates, Inc
Landscape Architecture Planning Urban Design
1403 Kenneth Road, Suite B
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JMPE
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REGISTERED PROFESSIONAL ENGINEER · JAMES MALONEY · No. E013083 · EXP. 06/30/2025 · ELECTRICAL · STATE OF CALIFORNIA

WOMEN'S CLUB PARK

200 WEST GREENWOOD AVENUE
LA HABRA, CA 90631

ISSUES / REVISIONS

No.	DATE	DESCRIPTION
1	11/30/22	1ST CITY PLAN CHECK REVIEW
2	02/17/23	2ND CITY PLAN CHECK SUBMITTAL
3	06/08/23	100% CD SUBMITTAL
4	09/08/23	100% CD SUBMITTAL

JOB NUMBER:
DRAWN BY: CHECKED BY:
DATE:
SHEET DESCRIPTION:
SITE LIGHTING PLAN

SHEET NUMBER:
E-2

FIXTURE SCHEDULE

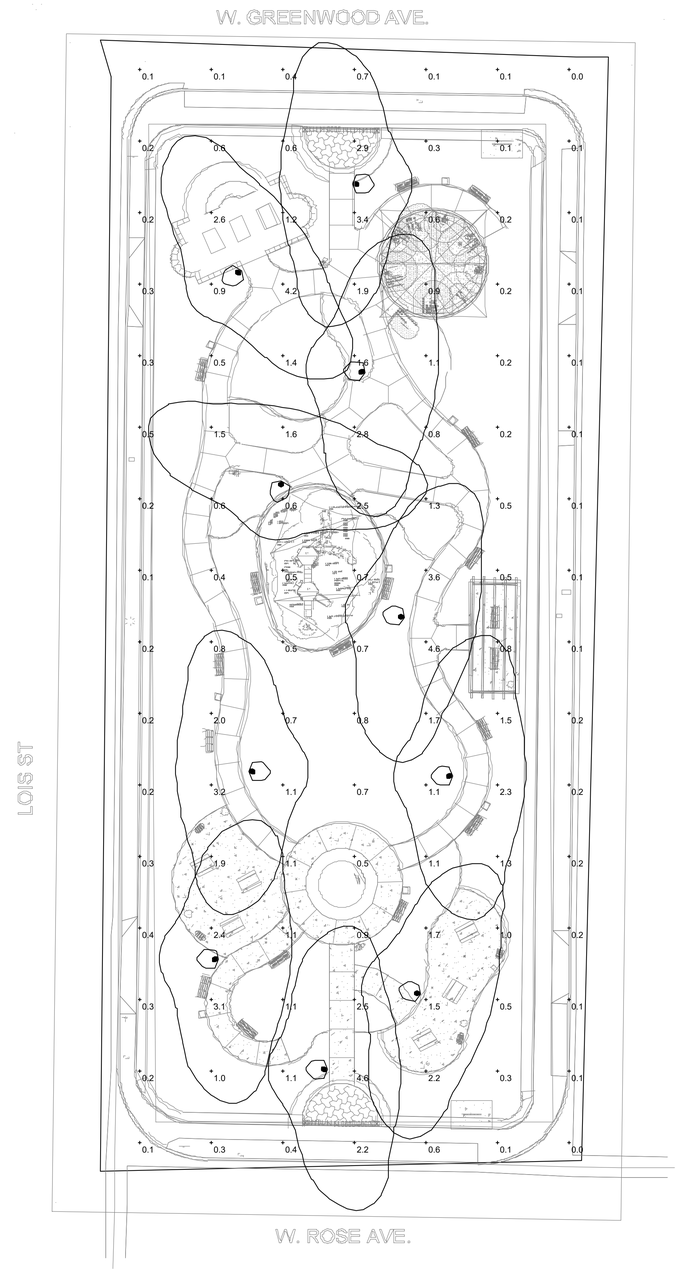
Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Source	Lumens Per LED	LLF	Input Power	Distribution	Notes
	S1		10	King Luminaire	K118R-P4AR-II-60(SSL)--1030-SST-VOLT-XXX-XXX-3K	NVLAP LOGO AND LAB ID NUMBER SHALL NOT BE USED BY THE CLIENT TO CLAIM THE PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY GOVERNMENT AGENCY. CALIBRATION LAMP #1000-49, NIST TRACEABLE THROUGH ITL REPORT #ITL81862.	AC POWER. NOMINAL CCT: 3000K. MEASURED CCT: 3010K. LAB EQUIPMENT USED: K139-1, 60H-20B-3, G-E-ENG-29. SOLID SPUN TOP. STABILIZATION TIME: 1 HOUR TOTAL OPERATION TIME: 1 HOUR 45 MINUTES DISTANCE FROM MIRROR TO PHOTOMETRIC EYE: 23 FEET. G05198	5737	0.92	63.2		

STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	UG
SITE LIGHTING	+	1.0 fc	4.6 fc	0.0 fc	N/A	N/A	-1.0

LUMINAIRE LOCATIONS

		Location			
No.	Label	X	Y	Z	MH
3	S1	6046736.00	2288694.00	14.00	14.00
4	S1	6046771.00	2288667.00	14.00	14.00
5	S1	6046748.00	2288635.00	14.00	14.00
6	S1	6046782.00	2288598.00	14.00	14.00
7	S1	6046740.00	2288555.00	14.00	14.00
8	S1	6046795.00	2288554.00	14.00	14.00
9	S1	6046760.00	2288472.00	14.00	14.00
10	S1	6046730.00	2288502.00	14.00	14.00
11	S1	6046786.00	2288493.00	14.00	14.00
2	S1	6046769.00	2288719.00	14.00	14.00



SITE PHOTOMETRIC PLAN

SCALE: NONE

NORTH

100% CD SUBMITTAL

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DATE:
SHEET DESCRIPTION:
SITE PHOTOMETRIC PLAN

SHEET NUMBER:
E-3

SECTION 260000

ELECTRICAL

1.01 SUMMARY

Work in general includes, but is not limited to, the following:

A. Underground Service _ 120/240 volt, single phase, three wire.

B. Grounding of equipment, service, etc.

C. Complete lighting and power system as shown on Drawings and specified herein, including conduit, wiring, panelboards, circuit breakers, relays, switches, receptacles, and other items necessary for complete and operable systems.

D. Electrical connection of equipment furnished by others as shown on the Drawings.

E. Trenching and backfill as required for electrical Work.

1.02 MANUFACTURERS' DIRECTIONS

A. Follow manufacturers' directions and recommendations in all cases where the manufacturers' equipment or articles are used for this Work. Compliance with the manufacturer's direction is a requirement for that product's listing with a recognized test lab.

1.03 VERIFICATION OF DIMENSIONS

A. Scaled and figured dimensions are approximate only. Before proceeding with Work, carefully check and verify dimensions, etc., on architectural Drawings, and be responsible for properly fitting equipment and materials together and to the structure in spaces provided.

B. Drawings are essentially diagrammatic, and many offsets, bends, pull boxes, special fittings, and exact locations are not indicated. Carefully study Drawings and premises in order to determine best methods, exact locations, routes, building obstructions, etc., and install apparatus and equipment in available locations. Install apparatus and equipment in manner and locations to avoid obstructions, preserve headroom, and keep openings and passageways clear.

1.04 EXCAVATION AND BACKFILL

A. Do excavation, trenching, and backfilling required for this Work. Do shoring, pumping, or draining that is necessary to keep the excavations and trenches safe and free from water. Where possible and practical, avoid planted or paved areas, walkways, floors, and other finished surfaces. See CONDUITS Sections for depth of conduits. Remove all excess excavated materials from the site, unless otherwise directed by the Project Manager.

B. Where required, do cutting and drilling of walls, pavements, walkways, etc., by means of cutting and drilling (coring) machines unless specifically approved otherwise.

Excavation, trenching, and backfill methods and procedures shall be in strict accordance with industry standards and local requirements.

A. Backfilling shall be done in one-foot layers, with each layer tamped before another layer is added. No stones or coarse lumps shall be laid directly on conduits.

1.01 BORING/HORIZONTAL DRILLING

A. Where approved as an alternate to trenching, provide boring plans. These plans shall be reviewed and approved before any boring operations may commence.

B. Boring plans shall include:

1. Bore pit location(s).
2. Receiving pit location(s).
3. Method of boring.
4. Procedure for protecting/avoiding existing lines.
5. Procedure for emergency repair of any damaged lines.

C. Obtain as-built plans of all site utilities before boring.

D. Call USA Dig or use a locator service to identify underground utilities before boring.

1.02 PROTECTION OF EXISTING LINES

A. Exercise special care to avoid damaging and to maintain in operation, all existing utility runs during the construction period. Also avoid damaging existing piping, conduits, or equipment that is to remain, whether or not specifically indicated on the Drawings. Existing utilities, piping, conduits, and equipment may or may not be shown on the Drawings. The Drawings only reflect information intended to suggest the probable extent and possible location of indicated runs and equipment. There may be other runs. There may be other locations. Neither the Owner nor the Project Manager represents that either has any precise knowledge as to either the full extent or exact location of equipment and runs that may fall within the building or Project Site.

B. Execute excavation and demolition on the Site and in the building with extreme care (by hand or small tools wherever appropriate) and at the sole risk of the Contractor and the workers involved.

C. Locate all known existing installations before proceeding with construction operations which may cause damage to such installations. The existing installations shall be kept in service where possible and damage to them shall be repaired at no increases in Contract Sum.

D. If other structures or utilities are encountered, request Project Manager to provide direction on how to proceed with the Work.

1.03 MOUNTING

A. Provide materials and accessories necessary to properly mount and secure equipment furnished and/or installed under the electrical Work. This includes but is not limited to such items as conduit, outlets, junction boxes, switches, relays, disconnect switches, lighting fixtures, cabinets, and transformers.

1.04 INSTALLERS QUALIFICATIONS

A. Installer must have electrical certification per California Labor Code Section 3099.2.

A. All work described in the Electrical Specifications and shown on Electrical Drawings shall be performed by California State Certified Electricians.

B. All electrical foremen shall have a minimum of 500 hours of documented classroom training.

C. All electrical foremen shall have a minimum of 3,000 hours of documented on-the-job training.

D. At the time equipment submittals are made, provide copies of State Certification and training documents for electricians working on this project

PART 2 - PRODUCTS AND EXECUTION

2.01 GROUNDING

A. Grounding shall be executed in accordance with applicable codes and regulations of the State of California, California Electrical Code and local authorities having jurisdiction as well as any additional provisions specified or shown on Drawings.

B. Grounding conductors should be located to permit, the shortest and most direct path to ground. Connections shall be readily accessible for inspection and connections shall not be permanently concealed in floors or walls.

C. Non_current carrying metallic parts of electrical equipment and raceways shall be securely grounded to the common system ground. In all locations, ground conductors shall be run through conduits and shall be securely bonded to the conduit at the entrance and exit. The conduit for the grounding conductors shall be continuous from the point of attachment to cabinets or equipment to the grounding electrode, and shall be securely fastened to the ground clamp fittings.

D. Ground connections to equipment shall be made with an approved type of exothermic weld or shall be bolted or clamped to equipment or conduit. Sheet metal strap types of ground clamps shall not be used. Contact surfaces shall be thoroughly cleaned and bright before connection is made so as to ensure a good metal to metal contact.

E. Where nonmetallic conduit is used, ground shall be achieved through use of a separate, green-insulated, copper, code-size, ground conductor included in the conduit.

2.02 CONDUIT

A. Rigid Steel Conduit:

1. Rigid steel conduit shall have zinc coated exterior, zinc or enamel interior, standard weight, zinc coated couplings, locknuts and bushings and shall bear the U.L. label. Rigid conduit shall not be installed underground.

2. Use rigid conduit only for exposed exterior conduit runs, wherever subject to physical damage, or where specifically called for on the Drawings or required by a serving utility.

3. Intermediate metallic conduit (I.M.C.) may be used in lieu of rigid steel conduit.

A. Plastic Conduit:

1. Plastic conduit shall be rigid polyvinyl chloride (PVC) Underwriter's approval, Schedule 40. Connections and fittings shall be "outside" type assembled in accordance with the recommended methods of the manufacturer.

2. Underground PVC conduit shall be buried a minimum of 24 inches below grade. Where more than two conduits are installed adjacently underground, use factory made conduit spacers.

3. PVC conduit shall be used for underground conduit runs in lieu of wrapped rigid conduit except as noted otherwise on the Drawings or required by the serving utility.

4. Provide a code size ground conductor in each conduit.

5. Only braided polyethylene or similar pull rope shall be used.

B. Installation of Conduit:

1. Underground conduit.

a. Keep interior of conduit clean and clear. Clean underground conduits by pulling a mandrel through conduit run followed with a swab before pulling wire.

b. Reroute conduit from locations shown on the Drawings where it is necessary to clear obstructions.

c. Provide junction or pull boxes where required for pulling conductors due to excessive number of bends or length of conduit runs.

d. Bury underground conduit, except those under buildings, a minimum of 24 inches below finished grade. Conduits under roadways shall be a minimum of 36 inches below finished grade. Conduit runs ¾ inch and smaller in slabs shall be located above vapor barriers. Bury conduit runs larger than ¾ inch to a minimum depth of 12 inches below floor slabs.

e. Standard factory ells shall not be used in underground service conduits or other long underground runs. Field bends shall not be flattened or kinked and shall not materially reduce the internal diameter of the conduit. Bends in long underground runs shall be made in long sweeping bends. Do not bend at couplings. Approved conduit bending methods shall be used.

f. All conduit runs shall have a code size insulated grounding conductor.

g. Properly separate two or more conduits installed underground in a common concrete envelope with approved factory made conduit spacers.

h. Locate conduit stub_outs dimensionally from building or curb lines on Record Drawings.

i. Pull wires shall be installed in empty conduits including telephone conduits and stub_outs, No. 12 AWG, type "THWN" insulated copper wire or 1/8-inch polyethylene rope shall be used.

a. Spare underground conduits shall be sealed with duct plugs that have pull tabs. Duct tape shall not be used to seal unused conduits.

1. Exposed/Concealed Conduit:

a. Provide secure mounting facilities for conduits. Wire or plumbers tape shall not be used for hanging conduit. Strap shall be factory made of the one hole malleable iron or two-hole galvanized clamp type.

b. Provide expansion couplings wherever conduits cross expansion joints.

c. Run conduit at right angles or parallel to structural members, walls, floors and ceilings. Where several conduits are run together or suspended, they shall be hung on Unistrut trapezes with minimum 3/8-inch rod hangers.

d. Cut ends of conduit square and ream to remove burrs or sharp edges. Terminate conduits properly with bushings, locknuts, etc. Terminate one (1) inch and larger conduits with insulated bushings.

e. All conduit runs shall have a code size insulated grounding conductor.

f. Pull wires shall be installed in empty conduits including telephone conduits and stub_outs, No. 12 AWG, type "THWN" insulated copper wire or 1/8-inch polyethylene rope shall be used.

2.03 OUTDOOR FLUSH PULLBOXES

A. Pull boxes shall be as specified on the Drawings.

2.04 PLATES AND DEVICE COVERS

A. Plates for switches, receptacles, telephone and blank outlets shall be stainless steel, Hubbell 302/304 alloy or Legrand "S" line, unless otherwise noted. Plates shall be engraved per Drawings or as covered under the Article of this Specification titled "Identification of Equipment".

2.05 RECEPTACLES

A. Duplex convenience outlets shall be specification grade, backwire, three wire, NEMA #5_20R, self_grounding type, 20 ampere, 125 volt parallel slots, polarized, in white. Additional receptacles shall be as indicated on the Drawings. Receptacles shall be Hubbell #5253W.

B. Receptacles indicated weatherproof shall have lift cover plates that are weatherproof "while in use" Hubbell/Taymac expandable flat ML450W or equal.

C. Outdoor ground fault circuit interrupter receptacles shall be Hubbell #GFW RST 20W or equal.

2.06 WIRE AND CABLE

A. 600 Volt Conductors:

1. Conductors shall be copper and delivered to the site in their original, unbroken packages plainly marked or tagged with U.L. label, size, kind, insulation, name of manufacturer and trade name of the wire.

2. Type "THWN/THHN", 600-volt insulation shall be used for all locations.

3. Minimum size conductor shall be #12.

4. Conductors shall be stranded.

5. Ground conductors shall be bare copper or have green insulation.

6. 120 volt and 277 volt circuits shall have separate neutrals.

B. Installation:

1. Conductors shall be continuous between outlets or junction boxes and no splices shall be made except in outlet boxes, pull boxes, panelboard gutters or handholes.

2. Joints, splices and taps No. l0 or smaller (including fixture pigtails) shall be connected with "floating spring" type connectors. No. 8 and larger shall be connected with solderless connectors of 100% electrolytic copper. Split_bolt connectors are not acceptable.

3. Tighten pressure type lugs on panels and equipment, and then retighten 24 hours or more later after energizing. Provide written report of torque values on lugs.

4. Oil or grease shall not be used when pulling conductors. Use U.L. approved cable lubrication only.

5. Lace or train conductors neatly in panels, cabinets and equipment. Use plastic wire ties to route conductors at edge of enclosure away from overcurrent devices.

6. Branch circuits shall be color coded in compliance with Section 210_5 of the California Electrical Code. Colored tape is not acceptable.

7. All wiring, both line and low voltage, shall be installed in conduit unless otherwise noted.

8. Conductors from different panels or from different power sources shall not be installed in the same conduit, junction box, gutter, or raceway.

C. Tag:

1. Branch circuits shall be left tagged with circuit numbers in gutters and junction boxes where unused circuits terminate.

2. Feeder conductors shall be tagged as phase "A" or "B" or "C".

3. The method of tagging shall be with adhesive preprinted tape numbered or lettered wrap around tags. Colored tape is not acceptable.

4. Tagging shall be applied after wire is installed in conduit.

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A CARING COMMUNITY EST. 1925 CITY OF LA HABRA

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ELECTRICAL SPECIFICATIONS

SHEET NUMBER:

E-4

1. Feeders in panel or equipment shall be tagged by phase letter in each panel or equipment.

2. Where it is impractical to use printed markers on certain wires or cables, use blank tape with identification marked thereon with indelible pen or pencil.

B. Color Coding for Phase Identification: Color code secondary service, feeder, and branch circuit conductors with factory applied color as follows:

240/120Volts	Phase	
Black		A
Red	B	
White		Neutral
Green		Ground

2.07 DISCONNECT SWITCHES

A. Non_fusible or fusible as shown on the Drawings, heavy duty, 250 or 600 volts as required, NEMA Type 1 enclosure, except where WP is indicated or required by code, use NEMA Type 3R enclosure.

2.08 LIGHTING FIXTURES

A. Lighting fixtures shall be of manufacture and type as specified in the Fixture Schedule, and shall have all parts and fittings necessary to completely and properly install the fixture. Fixtures of the same type shall be of one manufacturer and of identical finish and material.

B. Lighting fixtures shall bear Underwriter's Laboratories labels. Interior light fixtures shall be on the California Energy Commission approved list. Exterior light fixtures shall be on the DLC list.

C. Each fixture shall be wired with conductors suitable for the voltage, current and temperature to which the conductors will be subjected.

D. If excessive driver flicker develops within 12 months after installation, the condition shall be corrected at no charge to the Owner. Flickering of the LED or failure of an LED array within 12 months of substantial completion shall also be corrected at no charge to the Owner.

E. Proper LEDs of type, size, color temperature and wattage indicated shall be furnished and installed in each fixture and shall be manufactured by Phillips, Sylvania, Cree, Soraa or Bridgelux. The Contractor shall replace LED arrays which have been burned out prior to final completion. Clean dust, dirt, fingerprints and grease from fixtures before final completion.

F. Follow manufacturer's installation instructions when installing light fixtures.

2.09 MOLDED CASE CIRCUIT BREAKERS - MAINS AND BRANCHES:

A. Common Characteristics:

1. Circuit breakers shall be constructed in accordance with the following standards:

UL 489 Federal Specification W-C-375B/GEN
NEMA AB1 CSA 22.2, No. 5-M91
IEC 157-1BS 4752

1. Circuit breakers shall be constructed using glass reinforced polyester insulating material providing superior dielectric strength. Current-carrying components shall be completely isolated from the handle and the accessory mounting area.

2. Circuit breakers shall have an overcenter, trip-free, toggle operating mechanism which will provide quick-make, quick-break contact action. The circuit breaker shall have common tripping of all poles.

3. Circuit breakers shall have a push-to-trip button for maintenance and testing purposes.

4. Circuit breaker escutcheon shall have international I/O markings, in addition to standard ON/OFF markings. Circuit breaker handle accessories shall provide provisions for locking handle in the ON or OFF position.

5. Breaker faceplate shall indicate rated ampacity. Breaker faceplate shall indicate UL and IEC certification standards with applicable voltage systems and corresponding AIR ratings.

6. Circuit breakers shall be factory sealed and shall have a date code on the face of the circuit breaker. Poles shall be labeled with respective phase designations.

(a) Circuit breakers shall be UL Listed for use with the following accessories: Shunt Trip, Under Voltage Trip, Auxiliary Switch, Alarm Switch, Ground Fault Shunt Trip, Electrical Operators, Cylinder Locks, Mechanical Lugs Kits, Compression Lugs Kits, and Handle Accessories.

7. Lugs shall be UL Listed to accept solid or stranded copper conductors only. Lugs shall be suitable for 90° C rated wire, sized according to the 75° C temperature rating per NEC Table 310-16. Lug body shall be bolted in place; snap-in designs are not acceptable. Lugs shall be torqued with a torque wrench to the value listed on the circuit breaker.

8. Two- and three-pole circuit breakers shall have an internal common trip crossbar to provide simultaneous tripping. Circuit breaker frame sizes above 100 amperes shall have a single magnetic trip adjustment located on the front of the breaker, which allows the user to simultaneously select the desired trip level of all poles.

9.

10. Standard circuit breakers up to 250 amperes at 600 VAC shall be UL Listed with HACR ratings.

2.10 METER PEDESTAL:

A. The pedestal shall be free-standing, including underground pull section, metering and distribution section. The bus size and circuit breaker trip settings shall be as indicated on the Drawings. The pedstal shall have facilities for the power company's meters and test apparatus. Sequence of metering shall be as required by the serving utility company. Bussing shall be copper. Ground bus and solid neutral shall be provided. Provide plastic laminated nameplate. Support pedestal in accordance with manufacturer's requirements. Provide all required seismic support.

A. Main circuit breaker shall be listed and marked for service entrance.

B. Circuit breakers shall be plastic molded case, trip free with quick_make, quick break operating mechanism.

C. The pedestal shall be constructed to conform to the latest sections of applicable IEEE Standards and ANSI Standards. The circuit breakers shall have short_circuit AIC ratings as indicated on the Drawings.

D. Provide plastic, engraved, laminated nameplates for switchboard identification as well as each circuit breaker. Provide a separate plastic, engraved, laminated nameplate with the meter's address.

E. The pedestal shall have an arc flash label in accordance with Part I, 1.18 Arc Flash Labeling.

END OF SECTION

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SHEET NUMBER:

E-5

APPENDIX “B”

WOMEN’S CLUB PARK PROJECT Technical Provisions
PROJECT NO. 1-P-22

SECTION 01 57 23
TEMPORARY STORM WATER POLLUTION CONTROL

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Installation of Storm Water Pollution Prevention Plan (SWPPP) measures as per plans, specifications and the project SWPPP document for the purpose of preventing the discharge of pollutants from the construction site.

B. Compliance with local, state and federal regulations.

1.2 REFERENCES

A. California Storm Water Best Management Practice Handbook for Construction Activity (BMP Handbook)

B. Construction General Permit (CGP) Order No. 2009-009-DWQ

1.3 SUBMITTAL REQUIREMENTS

A. Product Data: Provide product catalog cut sheets of all temporary and permanent equipment and specialty items that will be provided to comply with the SWPPP, including items necessary for storage, disposal and recycling.

B. Shop Drawings: Provide site plan indicating construction staging, storage, refuse areas and vehicular routing and parking areas.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Use materials of a class, grade and type needed to meet the performance described in the BMP Handbook and project SWPPP document.

PART 3 - EXECUTION

3.1 PERFORMANCE BY CONTRACTOR

A. General

1. Keep the original SWPPP document in a readily accessible location at the construction site from the commencement of construction activity until completion for storm water discharges associated with construction activity. Contractors with day to day operation control over SWPPP implementation shall have the original SWPPP document available at a central location, on-site, for the use of all operators and those identified as having responsibility under the SWPPP.
2. Review the SWPPP. Ensure that all key personnel understand the requirements of the SWPPP.

B. Good Site Management "Housekeeping"

1. Implement good site management (i.e., "housekeeping") measures for construction materials that could potentially be a threat to water quality if discharged. At a minimum, the contractor shall implement the following good housekeeping measures:

    a. Conduct an inventory of the products used and/or expected to be used and the end products that are produced and/or expected to be produced. This does not include materials and equipment that are designed to be outdoors and exposed to environmental conditions (i.e. poles, equipment pads, cabinets, conductors, insulators, bricks, etc.).
    b. Cover and berm loose stockpiled construction materials that are not actively being used (i.e. soil, spoils, aggregate, fly-ash, stucco, hydrated lime, etc.).
    c. Store chemicals in watertight containers (with appropriate secondary containment to prevent any spillage or leakage) or in a storage shed (completely enclosed).
    d. Minimize exposure of construction materials to precipitation. This does not include materials and equipment that are designed to be outdoors and exposed to environmental conditions (i.e. poles, equipment pads, cabinets, conductors, insulators, bricks, etc.).
    e. Implement Best Management Practices to prevent the off-site tracking of loose construction and landscape materials.

2. Implement good housekeeping measures for waste management, which, at a minimum, shall consist of the following:

    a. Prevent disposal of any rinse or wash waters or materials on impervious or pervious site surfaces or into the storm drain system.
    b. Ensure the containment of sanitation facilities (e.g., portable toilets) to prevent discharges of pollutants to the storm water drainage system or receiving water.
    c. Clean or replace sanitation facilities and inspect them regularly for leaks and spills.
    d. Cover waste disposal containers at the end of every business day and during a rain event.
    e. Prevent discharges from waste disposal containers to the storm water drainage system or receiving water.
    f. Contain and securely protect stockpiled waste material from wind and rain at all times unless actively being used.
    g. Implement procedures that effectively address hazardous and non-hazardous spills.

        1) Equipment and materials for cleanup of spills shall be available on site. Spills and leaks shall be cleaned up immediately and disposed of properly.
        2) Appropriate spill response personnel shall be assigned and trained.

3) Ensure the containment of concrete washout areas and other washout areas that may contain additional pollutants so there is no discharge into the underlying soil and onto the surrounding areas.

3. Implement good housekeeping for vehicle storage and maintenance, which, at a minimum, shall consist of the following:

   a. Prevent oil, grease, or fuel to leak in to the ground, storm drains or surface waters.
   b. Place all equipment or vehicles, which are to be fueled, maintained and stored in a designated area fitted with appropriate Best Management Practices.
   c. Clean leaks immediately and dispose of leaked materials properly.

4. Implement good housekeeping for landscape materials, which, at a minimum, shall consist of the following:

   a. Contain stockpiled materials such as mulches and topsoil when they are not actively being used.
   b. Contain all fertilizers and other landscape materials when they are not actively being used.
   c. Discontinue the application of any erodible landscape material within two days before a forecasted rain event or during periods of precipitation.
   d. Apply erodible landscape material at quantities and application rates according to manufacture recommendations or based on written specifications by knowledgeable and experienced field personnel.
   e. Stack erodible landscape material on pallets and cover or store such materials when not being used or applied.

5. Implement good housekeeping measures on the construction site to control the air deposition of site materials and from site operations. Such particulates can include, but are not limited to, sediment, nutrients, trash, metals, bacteria, oil and grease and organics.
6. Begin implementing repairs or changes to BMPs within 72 hours of identification and complete the changes as soon as possible.

C. Non-Storm Water Management

1. Implement measures to control all non-storm water discharges during construction.
2. Wash vehicles in such a manner as to prevent non-storm water discharges.
3. Clean streets in such a manner as to prevent unauthorized non-storm water discharges.

D. Erosion Control

1. Implement effective wind erosion control.
2. Provide effective soil cover for inactive areas and all finished slopes, open space, utility backfill, and completed lots.

3. Limit the use of plastic materials when more sustainable, environmentally friendly alternatives exist. Where plastic materials are deemed necessary, the discharger shall consider the use of plastic materials resistant to solar degradation.

E. Sediment Controls

1. Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from the site.
2. On sites where sediment basins are to be used, at minimum, install and maintain sediment basins according to the method provided in CASQA's Construction BMP Guidance Handbook.
3. Implement appropriate erosion control Best Management Practices (runoff control and soil stabilization) in conjunction with sediment control Best Management Practices for areas under active construction. Active areas of construction are areas undergoing land surface disturbances.

F. Run-on and Run-off Controls

1. Effectively manage all run-on, all runoff within the site and all runoff that discharges off the site. Run-on from offsite shall be directed away from all disturbed areas or shall collectively be in compliance with the effluent limitations in this General Permit.

END OF SECTION 01 57 23

SECTION 31 10 00
SITE CLEARING

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Protecting existing, trees, shrubs, groundcovers, plants, and grass to remain.
2. Removing existing trees, shrubs, groundcovers, plants, and grass.
3. Clearing and grubbing.
4. Stripping and stockpiling topsoil.
5. Removing above- and below-grade site improvements.
6. Disconnecting, capping or sealing, and removing site utilities.
7. Temporary erosion and sedimentation control measures.

1.2 MATERIAL OWNERSHIP

A. Except for stripped topsoil or other materials indicated to remain Owner's property, cleared materials shall become Contractor's property and shall be removed from Project site.

1.3 PROJECT CONDITIONS

A. Traffic: Minimize interference with adjoining roads, streets, walks, and other adjacent occupied or used facilities during site-clearing operations.

1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction.
2. Provide alternate routes around closed or obstructed traffic ways if required by authorities having jurisdiction.

B. Salvageable Improvements: Carefully remove items indicated to be salvaged and store on Owner's premises where indicated.

C. Utility Locator Service: Notify utility locator service for area where Project is located before site clearing.

D. Do not commence site-clearing operations until temporary erosion and sedimentation control measures are in place.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 PREPARATION

A. Protect and maintain benchmarks and survey control points from disturbance during construction.

B. Locate and clearly flag trees and vegetation to remain or to be relocated.

C. Protect existing site improvements to remain from damage during construction.

1. Restore damaged improvements to their original condition, as acceptable to Owner.

3.2 TEMPORARY EROSION AND SEDIMENTATION CONTROL

A. Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to erosion- and sedimentation-control Drawings and requirements of authorities having jurisdiction.

B. Inspect, repair, and maintain erosion and sedimentation control measures during construction until permanent vegetation has been established.

C. Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.

3.3 TREE PROTECTION

A. Erect and maintain temporary fencing around tree protection zones before starting site clearing. Remove fence when construction is complete.

B. Do not excavate within tree protection zones, unless otherwise indicated.

C. Repair or replace trees and vegetation indicated to remain that are damaged by construction operations, in a manner approved by Architect.

3.4 EXISTING UTILITIES

A. Locate, identify, disconnect, and seal or cap off utilities indicated to be removed.

1. Arrange with utility companies to shut off indicated utilities.

B. Existing Utilities: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:

1. Notify Owner not less than two days in advance of proposed utility interruptions.
2. Do not proceed with utility interruptions without Owner's written permission.

3.5 CLEARING AND GRUBBING

A. Fill depressions caused by clearing and grubbing operations with satisfactory soil material unless further excavation or earthwork is indicated.

1. Place fill material in horizontal layers not exceeding a loose depth of eight inches and compact each layer to a density equal to adjacent original ground.

3.6 TOPSOIL STRIPPING

A. Remove sod and grass before stripping topsoil.

B. Strip topsoil to whatever depths are encountered in a manner to prevent intermingling with underlying subsoil or other waste materials.

C. Stockpile topsoil away from edge of excavations without intermixing with subsoil. Grade and shape stockpiles to drain surface water. Cover to prevent windblown dust and erosion by water.

3.7 SITE IMPROVEMENTS

A. Remove existing above- and below-grade improvements as indicated and as necessary to facilitate new construction.

3.8 DISPOSAL

A. Disposal: Remove surplus soil material, unsuitable topsoil, obstructions, demolished materials, and waste materials including trash and debris, and legally dispose of them off Owner's property.

B. Separate recyclable materials produced during site clearing from other nonrecyclable materials. Store or stockpile without intermixing with other materials and transport them to recycling facilities.

END OF SECTION 31 10 00

SECTION 31 20 00
EARTH MOVING

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Preparing subgrades for slabs-on-grade, walks, pavements, lawns and grasses, and exterior plants.
2. Excavating and backfilling for buildings and structures.
3. Drainage course for slabs-on-grade.
4. Base course for concrete walks and pavements.
5. Excavating and backfilling for utility trenches.

1.2 QUALITY ASSURANCE

A. Standard Specifications: Comply with the Standard Specifications for Public Works Construction (SSPWC), latest edition and supplements for rock materials. The Standard Specifications apply only to performance and materials and how they are to be incorporated into the Work. The legal/contractual relationship sections and the measurement and payment sections do not apply to this document.

1.3 REFERENCES

A. This specification section has been prepared using the project soils report "Geotechnical Engineering Investigation," Geotechnologies, Inc., March 8, 2012 as a reference.

1.4 DEFINITIONS

A. Backfill: Soil material used to fill an excavation.

1. Initial Backfill: Backfill placed beside and over pipe in a trench, including haunches to support sides of pipe.
2. Final Backfill: Backfill placed over initial backfill to fill a trench.

B. Base Course: Course placed between the subgrade and hot-mix asphalt or concrete paving.

C. Bedding Course: Course placed over the excavated subgrade in a trench before laying pipe.

D. Borrow Soil: Satisfactory soil imported from off-site for use as fill or backfill.

E. Classified Excavation: Removal and disposal of materials not defined as rock

F. Drainage Course: Course supporting the slab-on-grade that also minimizes upward capillary flow of pore water.

G. Excavation: Removal of material encountered above subgrade elevations and to lines and dimensions indicated.

1. Authorized Additional Excavation: Excavation below subgrade elevations or beyond indicated lines and dimensions as directed by Architect. Authorized additional excavation and replacement material will be paid for according to Contract provisions changes in the Work.
2. Unauthorized Excavation: Excavation below subgrade elevations or beyond indicated lines and dimensions without direction by Architect. Unauthorized excavation, as well as remedial work directed by Architect, shall be without additional compensation.

H. Fill: Soil materials used to raise existing grades.

I. Structures: Buildings, footings, foundations, retaining walls, slabs, tanks, curbs, mechanical and electrical appurtenances, or other man-made stationary features constructed above or below the ground surface.

J. Subgrade: Surface or elevation remaining after completing excavation, or top surface of a fill or backfill immediately below base, drainage fill, or topsoil materials.

K. Unclassified Excavation: Removal and disposal of materials encountered regardless of nature of materials, including rock.

L. Utilities: On-site underground pipes, conduits, ducts, and cables, as well as underground services within buildings.

1.5 PROJECT CONDITIONS

A. Examine site, Drawings, records of existing utilities and construction, record of test borings, and subsurface exploration report available from Owner. Records of test borings are for information only and are not guaranteed to represent all conditions that will be encountered.

1.6 PROTECTION

A. Soils Consultant: A geotechnical consultant shall advise on Construction techniques involved in work, including design, checking and approving of temporary bracing, sheeting, shoring, underpinning and other items pertinent to work, and encountered during prosecution of work. Consultant shall be primarily concerned with construction methods, which will prevent settlement or damage to surrounding structures, sidewalks, embankments, utilities and roads on Owner's property and adjoining properties.

B. Existing Utilities:

1. Maintain existing utilities that are to remain in service. Before excavating over or adjacent to existing utilities, notify utility Owner to ensure protective work will be coordinated and performed in accordance with utility Owner's requirements. If existing service lines, utilities and utility structures, which are to remain in service, are uncovered or encountered during these operations, safeguard and protect from damage.

2. Within limits of excavation, remove existing piping, subsoil drainage systems, conduit, manholes and relocated items, which are to be abandoned. Plug open ends of utilities to remain with concrete.
3. Re-route existing subsoil drains which obstruct work around new constructions, or incorporate them into new drainage systems.
4. Consult Architect immediately for directions, should uncharted or incorrectly charted piping or other utilities be encountered during excavation. Cooperate with Owner and public and private utility companies in keeping their respective services, utilities and facilities in operation. If damaged, repair utilities to satisfaction of Architect and utility Owner.

C. Existing Facilities: Protect and maintain in satisfactory manner, existing pavements, curbs, gutters, structures, conduits, fences, walls and other facilities to remain above and below grade. Restore facilities damaged by construction operations.

D. Pumping and Draining: Excavate areas in such manner as to afford adequate drainage. Control grading in vicinity of excavated areas so ground surface will slope to prevent water running into excavated areas. Until work is completed, remove water from areas of construction that may interfere with proper performance of work or that may result in damage to the soil sub-grade and provide sumps, pumps, well points, electric power and attendance required for this purpose on a 24 hour basis if necessary. Protect construction from water during construction, including prevention of erosion of completed work during construction and until permanent drainage and erosion controls are operational. Repair adjoining properties, facilities and streets damaged due to improper protection.

PART 2 - PRODUCTS

2.1 SOIL MATERIALS

A. General: Provide borrow soil materials when sufficient satisfactory soil materials are not available from excavations.

B. Satisfactory Soils: Sand, gravel, friable earth, or non-expansive clays, subject to Testing Laboratory's approval. Fill and backfill material shall be free of organic material, slag, cinders, expansive soils, trash or rubble and stones having maximum dimension greater than six inches.

C. Unsatisfactory Soils: Expansive and other soils as defined in the project's geotechnical investigation report.

1. Unsatisfactory soils also include satisfactory soils not maintained within two percent of optimum moisture content at time of compaction.

D. Base Course: Material conforming to SSPWC section 200-2.2, Crushed Aggregate Base or SSPWC section 200-2.4 Crushed Miscellaneous Base.

E. Engineered Fill: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; with at least 90 percent passing a one and one-half-inch sieve and not more than 12 percent passing a No. 200 sieve.

F. Bedding Course: Crushed rock conforming to SSPWC Section 200.1-2 and Table 306-1.2.1.3 (B).

G. Drainage Course: Narrowly graded mixture of washed, crushed stone, or crushed or uncrushed gravel; ASTM D 448; coarse-aggregate grading Size 57; with 100 percent passing a one and one-half-inch sieve and zero to five percent passing a No. 8 sieve.

2.2 ACCESSORIES

A. Warning Tape: Acid- and alkali-resistant polyethylene film warning tape manufactured for marking and identifying underground utilities, six inches wide and four mils thick, continuously inscribed with a description of the utility. Color coding shall be according to the American Public Works Association (APWA) standards:

1. Blue – Potable water and fire suppression lines.
2. Green – Sanitary sewer and storm drain lines
3. Orange – Communication, alarm or signal lines
4. Purple – Reclaimed water, irrigation, and slurry lines
5. Red – Electrical power lines, cables, conduit and lighting lines
6. Yellow – Gas, oil, steam, petroleum, or gaseous material lines.

PART 3 - EXECUTION

3.1 PREPARATION

A. All existing fill materials shall be completely removed prior to receiving controlled fill, site improvements, and foundation for building structures.

B. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by earthwork operations.

C. Preparation of subgrade for earthwork operations including removal of vegetation, topsoil, debris, obstructions, and deleterious materials from ground surface is specified in Division 2 Section "Site Clearing" or "Demolition".

D. Protect and maintain erosion and sedimentation controls, which are specified in Division 2 Section "Site Clearing" or "Demolition," during earthwork operations.

3.2 EXCAVATION

A. Unclassified Excavation: Excavate to subgrade elevations regardless of the character of surface and subsurface conditions encountered. Unclassified excavated materials may include rock, soil materials, and obstructions. No changes in the Contract Sum or the Contract Time will be authorized for rock excavation or removal of obstructions.

1. If excavated materials intended for fill and backfill include unsatisfactory soil materials and rock, replace with satisfactory soil materials.

3.3 EXCAVATION FOR STRUCTURES

A. Excavate to indicated elevations and dimensions within a tolerance of plus or minus one inch. If applicable, extend excavations a sufficient distance from structures for placing and removing concrete formwork, for installing services and other construction, and for inspections.

1. Excavations for Footings and Foundations: Do not disturb bottom of excavation. Excavate by hand to final grade just before placing concrete reinforcement. Trim bottoms to required lines and grades to leave solid base to receive other work.

3.4 EXCAVATION FOR WALKS AND PAVEMENTS

A. Excavate surfaces under walks and pavements to indicated lines, cross sections, elevations, and subgrades.

3.5 EXCAVATION FOR UTILITY TRENCHES

A. Excavate trenches to indicated gradients, lines, depths, and elevations.

B. Excavate trenches to uniform widths to provide six-inch clearance on each side of pipe or conduit. Excavate trench walls vertically from trench bottom to 12 inches higher than top of pipe or conduit, unless otherwise indicated.

C. Trench Bottoms: Excavate and shape trench bottoms to provide uniform bearing and support of pipes and conduit. Shape subgrade to provide continuous support for bells, joints, and barrels of pipes and for joints, fittings, and bodies of conduits. Remove projecting stones and sharp objects along trench subgrade.

1. Excavate trenches six inches deeper than elevation required in rock or other unyielding bearing material, four inches deeper elsewhere, to allow for bedding course.

3.6 SUBGRADE INSPECTION

A. Proof-roll subgrade below the building slabs and pavements with heavy pneumatic-tired equipment to identify soft pockets and areas of excess yielding. Do not proof-roll wet or saturated subgrades.

B. Reconstruct subgrades damaged by freezing temperatures, frost, rain, accumulated water, or construction activities, as directed by Architect, without additional compensation.

3.7 UNAUTHORIZED EXCAVATION

A. Fill unauthorized excavation under foundations or wall footings by extending bottom elevation of concrete foundation or footing to excavation bottom, without altering top elevation. Lean concrete fill, with 28-day compressive strength of 2,500 psi, may be used when approved by Architect.

1. Fill unauthorized excavations under other construction or utility pipe as directed by Architect.

3.8 STORAGE OF SOIL MATERIALS

A. Stockpile borrow soil materials and excavated satisfactory soil materials without intermixing. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.

1. Stockpile soil materials away from edge of excavations. Do not store within drip line of remaining trees.

3.9 UTILITY TRENCH BACKFILL

A. Place backfill on subgrades free of mud, frost, snow, or ice.

B. Place and compact bedding course on trench bottoms and where indicated. Shape bedding course to provide continuous support for bells, joints, and barrels of pipes and for joints, fittings, and bodies of conduits.

C. Provide four-inch-thick, concrete-base slab support for piping or conduit less than 30 inches below surface of roadways. After installing and testing, completely encase piping or conduit in a minimum of four inches of concrete before backfilling or placing roadway base.

D. Place and compact initial backfill of satisfactory soil, free of particles larger than one inch in any dimension, to a height of 12 inches over the utility pipe or conduit.

1. Carefully compact initial backfill under pipe haunches and compact evenly up on both sides and along the full length of utility piping or conduit to avoid damage or displacement of piping or conduit. Coordinate backfilling with utilities testing.

E. Place and compact final backfill of satisfactory soil to final subgrade elevation.

F. Install warning tape directly above utilities, minimum six inches above top of pipe, minimum 12 inches below finished grade, except six inches below subgrade under pavements and slabs.

3.10 SOIL FILL

A. Plow, scarify, bench, or break up sloped surfaces steeper than one vertical to four horizontal so fill material will bond with existing material.

B. Place and compact fill material in layers to required elevations as follows:

1. Under grass and planted areas, use satisfactory soil material.
2. Under walks and pavements, use engineered fill.
3. Under steps and ramps, use engineered fill.
4. Under building slabs, use engineered fill.
5. Under footings and foundations, use engineered fill.

3.11 SOIL MOISTURE CONTROL

A. Uniformly moisten or aerate subgrade and each subsequent fill or backfill soil layer before compaction to within two percent of optimum moisture content.

1. Do not place backfill or fill soil material on surfaces that are muddy, frozen, or contain frost or ice.
2. Remove and replace, or scarify and air dry otherwise satisfactory soil material that exceeds optimum moisture content by two percent and is too wet to compact to specified dry unit weight.

3.12 COMPACTION OF SOIL BACKFILLS AND FILLS

A. Place backfill and fill soil materials in layers not more than eight inches in loose depth for material compacted by heavy compaction equipment, and not more than four inches in loose depth for material compacted by hand-operated tampers.

B. Place backfill and fill soil materials evenly on all sides of structures to required elevations, and uniformly along the full length of each structure.

C. Compact soil materials to not less than the following percentages of maximum dry unit weight according to ASTM D 1557:

1. Under structures and building slabs, scarify and recompact top 6 inches of existing subgrade and each layer of backfill or fill soil material to 95 percent.
2. Under steps and pavements, scarify and recompact top 6 inches of existing subgrade and each layer of backfill or fill soil material to 95 percent
3. Under walkways, scarify and recompact top 6 inches below subgrade and compact each layer of backfill or fill soil material to 95 percent.
4. Under lawn or unpaved areas, scarify and recompact top six inches below subgrade and compact each layer of backfill or fill soil material to 95 percent.
5. For utility trenches, compact each layer of initial and final backfill soil material to 95 percent.

3.13 GRADING

A. General: Uniformly grade areas to a smooth surface, free of irregular surface changes. Comply with compaction requirements and grade to cross sections, lines, and elevations indicated.

B. Site Grading: Slope grades to direct water away from buildings and to prevent ponding. Finish subgrades to required elevations within the following tolerances:

1. Lawn or Unpaved Areas: Plus or minus one inch.
2. Walks: Plus or minus one inch.
3. Pavements: Plus or minus one-half inch.

C. Grading inside Building Lines: Finish subgrade to a tolerance of one-half inch when tested with a 10-foot straightedge.

3.14 BASE COURSES

A. Place base course on subgrades free of mud, frost, snow, or ice.

B. On prepared subgrade, place base course under pavements and walks as follows:

1. Shape base course to required crown elevations and cross-slope grades.
2. Compact base course at optimum moisture content to required grades, lines, cross sections, and thickness to not less than 90 percent of maximum dry unit weight according to ASTM D 1557.

3.15 DRAINAGE COURSE

A. Place drainage course on subgrades free of mud, frost, snow, or ice.

B. On prepared subgrade, place and compact drainage course under cast-in-place concrete slabs-on-grade as follows:

1. Place drainage course that exceeds six inches in compacted thickness in layers of equal thickness, with no compacted layer more than six inches thick or less than three inches thick.
2. Compact each layer of drainage course to required cross sections and thicknesses to not less than 95 percent of maximum dry unit weight according to ASTM D 698.

3.16 FIELD QUALITY CONTROL

A. Testing Agency: Owner will engage a qualified independent geotechnical engineering testing agency to perform field quality-control testing.

B. Allow testing agency to inspect and test subgrades and each fill or backfill layer. Proceed with subsequent earthwork only after test results for previously completed work comply with requirements.

C. Footing Subgrade: At footing subgrades, at least one test of each soil stratum will be performed to verify design bearing capacities. Subsequent verification and approval of other footing subgrades may be based on a visual comparison of subgrade with tested subgrade when approved by Architect.

D. Testing agency will test compaction of soils in place according to ASTM D 1556, ASTM D 2167, ASTM D 2922, and ASTM D 2937, as applicable.

E. When testing agency reports that subgrades, fills, or backfills have not achieved degree of compaction specified, scarify and moisten or aerate, or remove and replace soil to depth required; recompact and retest until specified compaction is obtained.

3.17 PROTECTION

A. Protecting Graded Areas: Protect newly graded areas from traffic, freezing, and erosion. Keep free of trash and debris.

B. Repair and reestablish grades to specified tolerances where completed or partially completed surfaces become eroded, rutted, settled, or where they lose compaction due to subsequent construction operations or weather conditions.

C. Where settling occurs before Project correction period elapses, remove finished surfacing, backfill with additional soil material, compact, and reconstruct surfacing.

1. Restore appearance, quality, and condition of finished surfacing to match adjacent work, and eliminate evidence of restoration to greatest extent possible.

3.18 DISPOSAL OF SURPLUS AND WASTE MATERIALS

A. Disposal: Remove surplus satisfactory soil and waste material, including unsatisfactory soil, trash, and debris, and legally dispose of it off Owner's property.

END OF SECTION 31 20 00

SECTION 32 13 13
CONCRETE PAVING

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes exterior cement concrete pavement for the following:

1. Driveways and roadways.
2. Parking lots.
3. Curbs and gutters.
4. Walkways.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated, including admixtures.

B. Design Mixtures: For each concrete pavement mixture.

1.3 QUALITY ASSURANCE

A. Manufacturer Qualifications: Manufacturer of ready-mixed concrete products who complies with ASTM C 94/C 94M requirements for production facilities and equipment.

B. ACI Publications: Comply with ACI 301, "Specification for Structural Concrete," unless modified by requirements in the Contract Documents.

C. All work to be performed and materials to be used shall be in accordance with the Standard Specifications for Public Works Construction, latest edition and supplements.

D. The Contractor shall have one copy of the Standard Specifications at the job site.

E. The Standard Specifications apply only to performance and materials and how they are to be incorporated into the Work. The legal/contractual relationship sections and the measurement and pavement sections do not apply to this document.

PART 2 - PRODUCTS

2.1 STEEL REINFORCEMENT

A. Plain-Steel Welded Wire Reinforcement: ASTM A 185, fabricated from as-drawn steel wire into flat sheets.

B. Reinforcing Bars: ASTM A 615/A 615M, Grade 60; deformed.

C. Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars, welded wire reinforcement, and dowels in place. Manufacture bar supports according to CRSI's "Manual of Standard Practice."

2.2 CONCRETE MATERIALS

A. Cementitious Material: Use the following cementitious materials, of the same type, brand, and source throughout the Project:

1. Portland Cement: ASTM C 150, Type II, low alkali. Supplement with the following:

a. Pozzolan: ASTM C618, Class F or N Fly Ash, 100 pounds maximum per cubic yard, containing one percent or less carbon. Fly ash shall not be used in excess of 15 percent by weight of total cement quantity.

B. Combined Aggregates: Gradation "C" conforming to SSPWC Section 201-1.3.2.

C. Water: ASTM C 94/C 94M.

2.3 CURING MATERIALS

A. Liquid Curing Compound: ASTM C309, fugitive dye dissipating type, complying with Rule II 13 of the South Coast Air Quality Management District and Federal Air Quality Regulation 40 CFR 52.254.

B. Moisture-Retaining Cover (Curing Sheet): ASTM C 171, non-staining polyethylene film or white burlap-polyethylene sheet.

C. Water: Potable.

D. Evaporation Retarder: Waterborne, monomolecular film forming; manufactured for application to fresh concrete.

2.4 RELATED MATERIALS

A. Expansion- and Isolation-Joint-Filler Strips: ASTM D 1751, asphalt-saturated cellulosic fiber.

B. Slip-Resistive Aggregate Finish: Factory-graded, packaged, rustproof, nonglazing, abrasive aggregate of fused aluminum-oxide granules or crushed emery with emery aggregate containing not less than 50 percent aluminum oxide and not less than 20 percent ferric oxide; unaffected by freezing, moisture, and cleaning materials.

C. Pavement-Marking Paint: Latex, waterborne emulsion, lead and chromate free, ready mixed, complying with Caltrans Standard Specifications - Section 84 (Federal Specification No. TT-P-1952 for Blue, Red and Green paint; and State of California Standard Specification No. PTWB-01 for White, Yellow and Black paint) with drying time of less than 45 minutes.

1. Color: **White**.

2.5 WHEEL STOPS

A. Wheel Stops: **Precast, air-entrained concrete**.

1. Dowels: Galvanized steel, three-fourths-inch diameter, 24-inch minimum length.

2.6 CONCRETE MIXTURES

A. Prepare design mixtures, proportioned according to ACI 301, with the following properties:

1. Compressive Strength (28 Days): 2,500 psi.
2. Maximum Water-Cementitious Materials Ratio at Point of Placement: 0.60
3. Slump Limit: Four inches**,** plus or minus one inch.

2.7 CONCRETE MIXING

A. Ready-Mixed Concrete: Measure, batch, and mix concrete materials and concrete according to ASTM C 94/C 94M. Furnish batch certificates to Architect for each batch discharged and used in the Work.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Proof-roll prepared subbase surface below concrete pavements with heavy pneumatic-tired equipment to identify soft pockets and areas of excess yielding.

3.2 EDGE FORMS AND SCREED CONSTRUCTION

A. Set, brace, and secure edge forms, bulkheads, and intermediate screed guides for pavement to required lines, grades, and elevations. Install forms to allow continuous progress of work and so forms can remain in place at least 24 hours after concrete placement.

B. Clean forms after each use and coat with form-release agent to ensure separation from concrete without damage.

3.3 STEEL REINFORCEMENT

A. General: Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.

3.4 JOINTS

A. General: Form construction, isolation, and control joints and tool edgings true to line with faces perpendicular to surface plane of concrete. Construct transverse joints at right angles to centerline, unless otherwise indicated.

B. Construction Joints: Set construction joints at side and end terminations of pavement and at locations where pavement operations are stopped for more than one-half hour unless pavement terminates at isolation joints.

C. Isolation Joints: Form isolation joints of preformed joint-filler strips abutting concrete curbs, catch basins, manholes, inlets, structures, walks, other fixed objects, and where indicated.

D. Control Joints: Form weakened-plane control joints, sectioning concrete into areas as indicated. Construct control joints for a depth equal to at least one-fourth of the concrete thickness to match jointing of existing adjacent concrete pavement.

E. Edging: Tool edges of pavement, gutters, curbs, and joints in concrete after initial floating with an edging tool to a one-fourth-inch radius. Repeat tooling of edges after applying surface finishes. Eliminate tool marks on concrete surfaces.

3.5 CONCRETE PLACEMENT

A. Moisten subbase to provide a uniform dampened condition at time concrete is placed.

B. Comply with ACI 301 requirements for measuring, mixing, transporting, and placing concrete.

C. Deposit and spread concrete in a continuous operation between transverse joints. Do not push or drag concrete into place or use vibrators to move concrete into place.

D. Screed pavement surfaces with a straightedge and strike off.

E. Commence initial floating using bull floats or darbies to impart an open textured and uniform surface plane before excess moisture or bleed water appears on the surface. Do not further disturb concrete surfaces before beginning finishing operations or spreading surface treatments.

3.6 FLOAT FINISHING

A. General: Do not add water to concrete surfaces during finishing operations.

B. Float Finish: Begin the second floating operation when bleed-water sheen has disappeared and concrete surface has stiffened sufficiently to permit operations. Float surface with power-driven floats, or by hand floating if area is small or inaccessible to power units. Finish surfaces to true planes. Cut down high spots and fill low spots. Refloat surface immediately to uniform granular texture.

1. Burlap Finish: Drag a seamless strip of damp burlap across float-finished concrete, perpendicular to line of traffic, to provide a uniform, gritty texture.
2. Medium-to-Fine-Textured Broom Finish: Draw a soft bristle broom across float-finished concrete surface perpendicular to line of traffic to provide a uniform, fine-line texture.

C. Slip-Resistive Aggregate Finish: Before final floating, spread slip-resistive aggregate finish on pavement surface according to manufacturer's written instructions.

1. Cure concrete with curing compound recommended by slip-resistive aggregate manufacturer. Apply curing compound immediately after final finishing.
2. After curing, lightly work surface with a steel wire brush or abrasive stone and water to expose nonslip aggregate.

3.7 CONCRETE PROTECTION AND CURING

A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures.

B. Comply with ACI 306.1 for cold-weather protection.

C. Evaporation Retarder: Apply evaporation retarder to concrete surfaces if hot, dry, or windy conditions cause moisture loss approaching 0.2 pounds/square feet x h before and during finishing operations. Apply according to manufacturers written instructions after placing, screeding, and bull floating or darbying concrete, but before float finishing.

D. Begin curing after finishing concrete but not before free water has disappeared from concrete surface.

E. Curing Methods: Cure concrete by moisture curing, moisture-retaining-cover curing, curing compound or a combination of these methods.

3.8 PAVEMENT TOLERANCES

A. Comply with tolerances as follows

1. Elevation: One-fourth inch
2. Thickness: Plus three-eighths inch minus one-fourth inch
3. Surface: Gap below 10-foot-long, unleveled straightedge not to exceed one-fourth inch.
4. Joint Spacing: Three inches.
5. Contraction Joint Depth: Plus one-fourth inch no minus.
6. Joint Width: Plus one-eighth inch, no minus.

3.9 PAVEMENT MARKING

A. Do not apply pavement-marking paint until layout, colors, and placement have been verified with Architect.

B. Allow concrete pavement to cure for 28 days and be dry before starting pavement marking.

C. Sweep and clean surface to eliminate loose material and dust.

D. Apply paint with mechanical equipment to produce pavement markings of dimensions indicated with uniform, straight edges. Apply at manufacturer's recommended rates to provide a minimum wet film thickness of 15 mils.

3.10 WHEEL STOPS

A. Securely attach wheel stops into pavement with not less than two galvanized steel dowels embedded in holes drilled or cast into wheel stops at one-quarter to one-third points. Firmly bond each dowel to wheel stop and to pavement. Securely install dowels into pavement and bond to wheel stop. Recess head of dowel one inch beneath top of wheel stop.

3.11 REPAIRS AND PROTECTION

A. Remove and replace concrete pavement that is broken, damaged, or defective or that does not comply with requirements in this Section.

B. Protect concrete from damage. Exclude traffic from pavement for at least 14 days after placement.

C. Maintain concrete pavement free of stains, discoloration, dirt, and other foreign material. Sweep concrete pavement not more than two days before date scheduled for Substantial Completion inspections.

END OF SECTION 32 13 13

SECTION 32 13 73
CONCRETE PAVEMENT JOINT SEALANTS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Expansion and isolation joints within cement concrete pavement.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Compatibility and Adhesion Test Reports: From sealant manufacturer.

1.3 QUALITY ASSURANCE

A. Preconstruction Compatibility and Adhesion Testing: Submit samples of materials that will contact or affect joint sealants to joint-sealant manufacturers for testing according to manufacturer's standard test method to determine whether priming and other specific joint preparation techniques are required to obtain rapid, optimum adhesion of joint sealants to joint substrates.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, products listed in other Part 2 articles.

2.2 MATERIALS, GENERAL

A. Compatibility: Provide joint sealants, backing materials, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by joint-sealant manufacturer based on testing and field experience.

1. Primers: Product recommended by joint-sealant manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate tests and field tests.

B. Colors of Exposed Joint Sealants: As selected by Architect from manufacturer's full range.

2.3 COLD-APPLIED JOINT SEALANTS

A. Type NS Silicone Sealant for Concrete: Single-component, low-modulus, neutral-curing, nonsag silicone sealant complying with ASTM D 5893 for Type NS.

1. Products:

    a. Crafco Inc.; RoadSaver Silicone.
    b. Dow Corning Corporation; 888.
    c. Or any equivalent product.

B. Type SL Silicone Sealant for Concrete: Single-component, low-modulus, neutral-curing, self-leveling silicone sealant complying with ASTM D 5893 for Type SL.

1. Products:

    a. Crafco Inc.; RoadSaver Silicone SL.
    b. Dow Corning Corporation; 890-SL.
    c. Or any equivalent product.

2.4 HOT-APPLIED JOINT SEALANTS

A. Elastomeric Sealant for Concrete: Single-component formulation complying with ASTM D 3406.

1. Products:

    a. Crafco Inc.; Superseal 444/777.
    b. Meadows, W. R., Inc.; Poly-Jet 3406.
    c. Or any equivalent product.

2.5 JOINT-SEALANT BACKER MATERIALS

A. General: Provide joint-sealant backer materials that are nonstaining; are compatible with joint substrates, sealants, primers, and other joint fillers; and are approved for applications indicated by joint-sealant manufacturer based on field experience and laboratory testing.

B. Round Backer Rods for Cold-Applied Sealants: ASTM D 5249, Type 3, of diameter and density required to control sealant depth and prevent bottom-side adhesion of sealant.

C. Backer Strips for Cold-Applied Sealants: ASTM D 5249; Type 2; of thickness and width required to control sealant depth, prevent bottom-side adhesion of sealant, and fill remainder of joint opening under sealant.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Concrete curing requirement: The concrete must be allowed to cure and dry a minimum of seven days in good drying weather before installing sealant. An additional day of good drying weather must be allowed for each day of poor, inclement weather.

B. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions.

C. Joint Priming: Prime joint substrates where indicated or where recommended in writing by joint-sealant manufacturer, based on preconstruction joint-sealant-substrate tests or prior experience.

D. Sealant Installation Standard: Comply with recommendations in ASTM C 1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.

E. Install backer materials to support sealants during application and at position required to produce optimum sealant movement capability. Do not leave gaps between ends of backer materials. Do not stretch, twist, puncture, or tear backer materials. Remove absorbent backer materials that have become wet before sealant application and replace them with dry materials.

F. Install sealants at the same time backings are installed to completely fill recesses provided for each joint configuration and to produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.

G. Tooling of Nonsag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants to form smooth, uniform beads of configuration indicated; to eliminate air pockets; and to ensure contact and adhesion of sealant with sides of joint.

H. Clean off excess sealants or sealant smears adjacent to joints as the Work progresses by methods and with cleaning materials approved by manufacturers of joint sealants and of products in which joints occur.

END OF SECTION 32 13 73

SECTION 33 11 00
WATER UTILITY DISTRIBUTION PIPING

1.00- GENERAL

1.01 SUMMARY

A. Requirements: Provide water distribution system, complete, as indicated on the Drawings or inferable therefrom and/or as specified in accordance with the Contract Documents.

1.02 SUBMITTALS

A. Product Data: Submit copies of manufacturer's specifications and installation instructions for each material. Include certification or other data verifying compliance with required characteristics. Indicate by transmittal form that copy of each has been distributed to the Installer.

B. Shop Drawings: Submit layout and shop drawings as required under Section Submittals. Include details of reinforced concrete structures.

C. Test Reports: Submit certified Test Reports showing compliance of the following items in accordance with Section General Conditions.

1. Laboratory test for bedding and trench stabilization materials.
2. Concrete design mix.
3. Compression tests.
4. Water Test Reports: Submit results of water sample tests by State or local health authorities

1.03 QUALITY ASSURANCE

A. Regulatory Requirements:

1. Comply with requirements of utility company supplying water. Include tapping of water mains and backflow prevention.
2. All work to be performed and materials to be used shall be in accordance with the Standard Specifications for Public Works Construction, latest edition and supplements.
3. The Contractor shall have one copy of the Standard Specifications at the job site.
4. The Standard Specifications apply only to performance and materials and how they are to be incorporated into the Work. The legal/contractual relationship sections and the measurement and pavement sections do not apply to this document.

B. Piping materials shall bear label, stamp, or other markings of specified testing agency.

C. Comply with FM's "Approval Guide" or UL's "Fire Protection Equipment Directory" for fire-service-main products.

D. NFPA Compliance: Comply with NFPA 24 for materials, installations, tests, flushing, and valve and hydrant supervision for fire-service-main piping for fire suppression.

E. NSF Compliance:

1. Comply with NSF 14 for plastic potable-water-service piping.
2. Comply with NSF 61 for materials for water-service piping and specialties for domestic water.

F. California Health and Safety Code:

1. Per Section 116875 subparagraphs a through d, effective January 1, 2010 as specified in SB 1334, Stat. 2008, c.580 – all domestic water systems have to use lead-free pipes, fixtures, solder or flux.

1.04 PROJECT CONDITIONS

A. Existing Utilities: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:

1. Notify **Owner** not less than two days in advance of proposed utility interruptions.
2. Do not proceed with utility interruptions without Owner's written permission.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Prevent damage to materials during loading, transportation, and unloading. Store equipment with moving parts off ground on platforms or skids.

1.06 COORDINATION

A. Coordinate connection to water main with utility company.

2.00- PRODUCTS

2.01 MANUFACTURERS

A. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:

1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, manufacturers specified.

2. Manufacturers: Subject to compliance with requirements, provide products by one of the manufacturers specified.

2.02 PIPE AND FITTINGS

A. **Copper Tube (NPS ¾ to NPS 3 ½)**: ASTM B 88, Type K, water tube, annealed temper.

1. Fittings: ASME B16.18, cast-copper-alloy or ASME B16.22, wrought-copper, solder-joint pressure type. Furnish only wrought-copper fittings if indicated.

B. **PVC, AWWA Pipe (NPS 4 to NPS 12)**: AWWA C900, Class 200 DR 14, with bell-and-spigot or double-bell ends.

1. PVC to PVC Fittings: Push-on-Joint, PVC Fittings, ASTM 3139, with elastomeric gasket bell ends, conforming to ASTM D2122 for bell measurements.

2. PVC to Metal Fittings, Valves, and Accessories: Mechanical-Joint, Ductile-Iron Fittings: AWWA C110, ductile- or gray-iron standard pattern or AWWA C153, ductile-iron compact pattern.

a. Glands, Gaskets, and Bolts: AWWA C111, ductile- or gray-iron glands, rubber gaskets, and steel bolts. Use corrosion resistant, high strength, low alloy steel, bolts and nuts where in contact with corrosive soil ASTM A 325.

2.03 VALVES

A. AWWA, UL/FM Cast-Iron, Gate Valves:

1. Nonrising-Stem, Resilient-Seated Gate Valves: AWWA C509 and UL/F.M. approved, gray- or ductile-iron body and bonnet; with bronze or gray- or ductile-iron gate, resilient seats, bronze stem, and stem nut.

a. Minimum Working Pressure: 200 psig.
b. End Connections: Flanged, push-on rubber gasketed, or mechanical joint, as required.
c. Interior Coating: Complying with AWWA C550.

2.04 GATE VALVE ACCESSORIES AND SPECIALTIES

A. Valve Boxes: Comply with AWWA M44 for cast-iron valve boxes. Include top section, adjustable extension of length required for depth of burial of valve, plug with lettering "WATER," bottom section with base of size to fit over valve, and approximately five-inch diameter barrel. Fabricate valve box cover to fit snugly to prevent displacement by traffic.

1. Operating Wrenches: Steel tee-handle with one pointed end, stem of length to operate deepest buried valve, and socket matching valve operating nut.

B. Vertical-Type Indicator Posts: UL 789, FM-approved, cast-iron body with operating wrench, extension rod, and adjustable cast-iron barrel of length required for depth of burial of valve with tamperproof electrical supervisory switch for connection to the fire alarm control panel system.

2.05 VALVE APPLICATION

A. General Application: Use mechanical-joint-end valves for NPS 3 and larger underground installation. Use threaded- or flanged-end valves for installation in vaults. Use UL/FM, nonrising-stem gate valves for installation with indicator posts. Use corporation valves and curb valves with ends compatible with piping, for NPS 2 and smaller installation.

1. Where specific valve types are not indicated, the following requirements apply:

a. Underground Valves, NPS 3 and Larger: AWWA, cast-iron, nonrising-stem, resilient-seated, gate valves with valve box.
b. Underground Valves, NPS 4 and Larger, for Vertical-Type Indicator Posts: UL/FM, Cast-iron, nonrising-stem gate valves with indicator post.

2.06 BACKFLOW-PREVENTION DEVICES

A. General: FM Approved, AWWA, UL Classified, Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California.

1. Working Pressure: 175 psi minimum, unless otherwise indicated.
2. Interior Components: Corrosion-resistant materials.
3. Exterior Components: Assembly shall be provided with flanged connections, galvanized cast-iron or epoxy coated construction.

[ENGINEER SHALL SELECT FROM THE FOLLOWING BACKFLOW ASSEMBLIES]

B. Reduced-Pressure-Detector Assembly Backflow Preventers: Suitable for continuous pressure application. Include outside screw and yoke gate valves on inlet and outlet, and strainer on inlet. Include test cocks; pressure-differential relief valve with ASME A112.1.2, air-gap fitting located between two positive-seating check valves; and bypass with displacement-type water meter, valves, and reduced-pressure backflow preventer. Include tamperproof electrical supervisory switch for connection to tie the fire alarm control panel system.

2.07 FIRE HYDRANTS

A. Before procurement, verify approval has been issued by the Fire Department having jurisdiction.

B. Wet-Barrel Fire Hydrants: AWWA C503 or UL 312, one NPS 4 and two NPS 2-1/2 outlets, NPS 6 threaded or flanged inlet, and base section with NPS 6 mechanical-joint inlet. Include interior coating according to AWWA C550. Hydrant shall have 150-psig minimum working-pressure design.

1. Outlet Threads: NFPA 1963, with external hose thread used by local fire department. Include cast-iron caps with steel chains.
2. Operating and Cap Nuts: Pentagon, one and one-half inches point to flat.
3. Direction of Opening: Open hydrant valves by turning operating nut to left or counterclockwise.

C. Combined length of bury and extension shall be as indicated. Where not indicated, install top of hydrant flange three inches above finished surface.

D. Exterior Finish: "O.S.H.A. safety yellow" Ameritone 719 or approved equal after receiving a prime coat.

3.00- EXECUTION

3.01 INSPECTION

A. Examination: Examine substrates, adjoining construction and conditions under which Work is to be installed. Do not proceed with Work until unsatisfactory conditions have been corrected

3.02 PREPARATION

A. Field Measurements: Verify dimensions before proceeding with Work. Obtain field measurements for work required to be accurately fitted to other construction. Be responsible for accuracy of such measurements and precise fitting and assembly of finished work.

3.03 JOINT CONSTRUCTION

A. Make pipe joints according to the following:

1. Ductile-Iron Piping, Gasketed Joints for Water-Service Piping: AWWA C600 and AWWA M41.
2. Ductile-Iron Piping, Gasketed Joints for Fire-Service-Main Piping: UL 194.
3. Copper Tubing Soldered Joints: ASTM B 828. Use flushable flux and lead-free solder.
4. PVC Piping Gasketed Joints: Use joining materials according to AWWA C900. Construct joints with elastomeric seals and lubricant according to ASTM D 2774 or ASTM D 3139 and pipe manufacturer's written instructions.
5. Dissimilar Materials Piping Joints: Use adapters compatible with both piping materials, with OD, and with system working pressure.

3.04 PIPING INSTALLATION

A. Project site water lines shall terminate approximately five feet from buildings, unless otherwise indicated on Drawings. Install temporary cap or plug terminals for future connection to building.

B. Bury piping with depth of cover over top at least 36 inches, unless otherwise indicated.

C. Comply with NFPA 24 for fire-service-main piping materials and installation.

D. Install ductile-iron, water-service piping according to AWWA C600 and AWWA M41.

E. Install copper tube and fittings according to CDA's "Copper Tube Handbook."

F. Install PVC, AWWA pipe according to AWWA M23 and ASTM F 645.

G. Install underground piping with restrained joints at horizontal and vertical changes in direction. Use restrained-joint piping, thrust blocks, anchors, tie-rods and clamps, and other supports for all lines NPS 3 or greater.

H. Water Main Connection: Arrange and pay for tap in the water main, water meter, and all associated fees from the water purveyor.

3.05 CLEARANCE OF WATER LINE

A. Building or Structure: Two feet minimum horizontal separation.

B. Sewer crossing:

1. Typical Conditions: Lay water mains over sanitary sewers to provide vertical separation minimum three feet.
2. Unusual Conditions: If above separation cannot be met, for sewers less than three feet below the water pipe, use the following:

    a. Install water line with all joints located at least four feet from each side of the sewer pipe.
    b. Sewer pipe encased in six inches concrete around pipe, and extend four feet either side of water main.

C. Parallel to Sewer Line: Water line shall not be installed in a common trench with the building sanitary sewer unless both of the following requirements are met:

1. The bottom of the water pipe, at all points, shall be at least 12 inches above the top of the sewer.
2. The water pipe shall be placed on a solid shelf excavated at one side of the common trench with a minimum clear horizontal distance of at least 12 inches from the sewer.

3.06 VALVE INSTALLATION

A. Gate Valves: Comply with AWWA C600 and AWWA M44. Install each underground valve with stem pointing up and with valve box.

B. Vertical-Type Indicator Post Gate Valves: Comply with NFPA 24. Install each underground valve and valves in vaults with stem pointing up and with vertical cast-iron indicator post. Include tamperproof electrical supervisory switch for connection to tie the fire alarm control panel system.

3.07 BACKFLOW-PREVENTER INSTALLATION

A. Install backflow preventers of type, size, and capacity indicated. Include valves and test cocks. Install according to requirements of plumbing and health department and authorities having jurisdiction.

B. Do not install backflow preventers with relief drain in vault or other space subject to flooding.

C. Do not install bypass piping around backflow preventers.

D. Support three-inch and larger backflow preventers, valves, and piping near floor and on brick or concrete piers.

E. Access and clearance shall be provided for the required testing, maintenance and repair. Access and clearance shall require a minimum of one foot between the lowest portion of the assembly and grade or platform.

F. Include tamperproof electrical supervisory switch for connection to tie the fire alarm control panel system.

3.08 FIRE HYDRANT INSTALLATION

A. General: Install each fire hydrant with separate gate valve in supply pipe, anchor with restrained joints or thrust blocks, and support in upright position.

B. UL/FM-Type Fire Hydrants: Comply with NFPA 24.

3.09 IDENTIFICATION

A. Install continuous underground detectable warning tape during backfilling of trench for underground water-service piping. Locate below finished grade, directly over piping. Refer to Division 31 Section "Earth Moving" for tape specifications.

3.10 FIELD QUALITY CONTROL

A. Piping Tests: Conduct piping tests before joints are covered and after thrust blocks have hardened sufficiently. Fill pipeline 24 hours before testing and apply test pressure to stabilize system. Use only potable water.

B. Hydrostatic Tests: The piping shall be subjected for a minimum of two hours to a pressure of one and one-half times the working pressure, but in no case less than 150 psi. Examine all exposed pipe, joints, fittings and accessories during the test period. Replace or repair defective portions of the system, and repeat tests until results are satisfactory.

1. Allowable leakage shall be as specified in AWWA C-600, Table 3.

C. Prepare reports of testing activities.

3.11 CLEANING

A. Clean and disinfect water-distribution piping as follows:

1. Purge new water-distribution piping systems and parts of existing systems that have been altered, extended, or repaired before use.
2. Use purging and disinfecting procedure prescribed by authorities having jurisdiction or, if method is not prescribed by authorities having jurisdiction, use procedure described in AWWA C651 or as described below:

   a. Fill system or part of system with water/chlorine solution containing at least 50 ppm of chlorine; isolate and allow to stand for 24 hours, or
   b. Drain system or part of system of previous solution and refill with water/chlorine solution containing at least 200 ppm of chlorine; isolate and allow to stand for three hours.
   c. After standing time, flush system with clean, potable water until no chlorine remains in water coming from system.
   d. Submit water samples in sterile bottles to authorities having jurisdiction. Repeat procedure if biological examination shows evidence of contamination.

B. Prepare reports of purging and disinfecting activities.

SECTION 260000

ELECTRICAL

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

Work in general includes, but is not limited to, the following:

A. Underground Service - 120/240 volt, single phase, three wire.

B. Grounding of equipment, service, etc.

C. Complete lighting and power system as shown on Drawings and specified herein, including conduit, wiring, panelboards, circuit breakers, relays, switches, receptacles, and other items necessary for complete and operable systems.

D. Electrical connection of equipment furnished by others as shown on the Drawings.

E. Trenching and backfill as required for electrical Work.

1.03 SITE VISITS, COORDINATION OF CONTRACT DOCUMENTS, VERIFICATION OF DIMENSIONS

A. Examine existing conditions as applicable. Become acquainted with Specifications and Drawings for all portions of the Project. Notify Project Manager of apparent discrepancies and of inconsistency between the Specifications and the existing conditions. Secure and follow Project Manager's instructions. The Drawings serve as working drawings only, indicating diagrammatically the general layout of the systems and their various components and equipment.

B. Scaled and figured dimensions are approximate and are given for estimate purposes only. Carefully check and verify dimensions and sizes in order to determine if equipment and materials will fit together and if the dimensions of the assembly are compatible with the space provided. Where equipment is furnished by others, verify that dimensions and requirements for assembly are compatible with the space provided before proceeding with the roughing-in connections. Field verifications of locations shown on Drawings are necessary since actual locations, distances, mounting heights, etc., may be affected by field conditions. The right is reserved to make reasonable changes in locations of equipment or other features shown on Drawings prior to rough-in without additional cost to the Owner.

C. Where apparatus and equipment have been indicated on the Drawings, dimensions have been taken from typical equipment of the class indicated. Carefully check the Drawings to see that the contemplated equipment will fit into the spaces provided, regardless of whether or not it may have been approved for quality and utility as an equal.

D. Rough in all equipment, fixtures, etc., as designated on the Drawings and as specified herein. The Drawings indicate only the approximate location of rough-ins. The exact rough-in locations must be determined from large-scale certified Drawings. The Contractor shall obtain all certified rough-in information before progressing with any Work for rough-in connections.

E. Be responsible for providing outlets and services of proper size at the required locations.

F. Coordinate requirements of equipment furnished by others, prior to ordering and installation.

G. No allowance will be made for extra expense due to failure or neglect to follow foregoing directives.

1.04 RULES AND REGULATIONS

A. Materials and installation shall be in accordance with current rules and requirements of California Code of Regulations and local codes and ordinances including, but not necessarily limited to, the current editions of the following:

1. The California Electrical Code (CEC).

2. Title 8, Chapter 4, California Code of Regulations (Low Voltage Electrical Safety Orders).

3. Local Building Codes.

4. California State Fire Marshal.

5. California Statewide Qualified Product List (QPL), Title 20.

6. Design Lights Consortium (DLC).

7. NEMA (National Electrical Manufacturers Assoc.).

8. IEEE (Institute of Electrical and Electronic Engineers).

9. California Green Building Code.

10. ANSI (American National Standards Institute).

11. ASTM (American Society for Testing and Materials).

12. UL (Underwriters Laboratories).

13. OSHA (Occupational Safety & Health Act) Federal.

14. Title 24, California Code of Regulations, California Building Code.

15. NFPA (National Fire Protection Association).

16. NESC (National Electrical Safety Code).

17. NECA Standards of Installation.
    a. NECA 400-2018, Standard for Installing and Maintaining Switchboards (ANSI).
    b. NECA 402-2018, Standard for Installing and Maintaining Motor Control Centers (ANSI).
    c. NECA 408-2002, Recommended Practice for Installing and Maintaining Busways (ANSI).
    d. NECA 409-2018, Recommended Practice for Installing and Maintaining Dry-Type Transformers (ANSI).
    e. NECA 410-2005 Standard for Installing and Maintaining Liquid-Filled Transformers (ANSI).
    f. NECA 411-2006 Standard for Installing and Maintaining Uninterruptible Power Supplies (UPS) (ANSI).
    g. NECA 420-2018 Standard for Fuse Applications (ANSI).
    h. NECA 430-2006, Standard for Installing Medium-Voltage Metal-Clad Switchgear (ANSI).
    i. NECA/EGSA 404-2007 Standard for Installing Generator Sets (ANSI).
    j. NECA/IESNA 500-2006, Standard for Installing Indoor Lighting Systems.
    k. NECA/IESNA 501-2006 Standard for Installing Exterior Lighting Systems.
    l. NECA 331-2018, Standard for Building and Service Entrance Grounding and Bonding

B. Where these Specifications call for a higher standard than the above-mentioned rules, the Specifications shall govern.

C. Should there be any direct conflict between the above-mentioned rules and these Specifications, the rules shall govern.

D. Nothing in the Drawings or Specifications is to be construed to permit Work not conforming to the rules, codes, and regulations.

E. All materials utilized shall be new and the best of their respective grades or kinds.

1.05 DEFINITIONS

A. Article 100 of the California Electrical Code shall serve as a guide for definitions.

B. Industry standard definitions.

C. Specific Definitions:

1. Concealed: Hidden from sight, as in trenches, chases, hollow construction, above furred spaces, suspended ceilings (acoustical or plastic type), or exposed to view only in tunnels, attics, shafts, crawl spaces, unfinished spaces, or other areas solely for maintenance and repair.

2. Exposed: Not concealed.

3. Unfinished Space: A room or space that is ordinarily accessible only to building maintenance personnel, a room noted on the "Finish Schedule" with exposed and unpainted construction for walls, floor or ceilings, or specifically mentioned as "unfinished".

4. Finished Spaces: Any space ordinarily visible to the visiting public, including exterior areas.

1.06 RULES OF LOCAL UTILITY COMPANIES

A. Comply with rules and regulations of the serving utility companies, and before submitting bid, check and include applicable service costs for the Project.

1.07 RECOGNIZED TEST LAB

A. All equipment specified or installed under this project shall be listed by a recognized test lab and bear that label of approval.

1.08 PERMITS AND FEES

A. Procure licenses and permits necessary for the completion of the Work, and inspection and other applicable fees. Before final payment, deliver to the Owner certificates and permits, approved and signed by the authorities having jurisdiction.

1.09 RECORD DRAWINGS

A. Include under this Work complete and accurate record information both during construction and before final acceptance by the Owner, and costs associated therewith shall be included under this Work.

B. Obtain from the Project Manager, at cost, a complete, full size set of prints. On these prints, systematically and accurately keep an up-to-date and legible dimensional record of Work installed differently from the location or manner indicated by the Drawings, as well as exact locations of stub-outs and hidden or underground features. Have these Drawings readily available for reference and review. When job status permits, submit them to the Project Manager and amend or correct and re-submit if requested.

C. When the above information is complete and acceptable, deliver Record Drawings to the Project Manager.

1.10 SUBMITTALS - SUBSTITUTIONS

A. Bids shall be based on Drawings and Specifications and references exactly as shown except as substitutions are permitted under terms of the Instructions to Bidders. Acceptance by the Project Manager of a variation or alternate shall not of itself waive other requirements of the Drawings and Specifications.

B. Before a substitute is used, it shall be equal in quality and utility to the material or make of equipment specified, and furthermore, shall be suitable for the particular application. The decision of the Project Manager as to the quality and utility of the substitute offered shall be final.

C. When submitting a substitute to a specified item, provide complete data for both the specified item and the substitute. Complete data includes:

1. Catalog cuts with complete dimensions, characteristics, electrical properties, Underwriter's Laboratory listing, harmonics, light output, mounting and support requirements.

2. Calculations, photometrics, system load data, energy effect on system, etc.

If the substitute is not deemed equal in both utility and quality to the specified item, the specified item will be approved and it shall be provided by the Contractor.

D. Submit in one package complete systematized lists of equipment and Drawings, catalog cuts, brochures, capacity tables and curves, descriptive information, performance data and guarantees and warranties referenced either to applicable Specification paragraphs or to item numbers as shown on the Drawings, or both. Submit six (6) copies.

E. Do not order or install equipment until submittals have been reviewed and approved.

F. Where accepted materials or equipment other than is specified or shown on the Drawings require redesign of structural, architectural, electrical or mechanical features or layouts, such changes shall be made by, or at the expense of the Contractor - all subject to complete review by the Project Manager.

G. Because of the contingencies involved, review and general acceptance of proposed substitutes shall not relieve the Contractor's responsibility under this Work for ensuring in all respects the suitability of such materials and equipment for the particular Project requirements.

1.11 SHOP DRAWINGS

A. Prepare shop Drawings of items as required by the Project Manager or by Drawings and Specifications; submit six (6) copies of each to the Project Manager as part of the submittal package, sufficiently in advance of construction, if necessary.

B. The shop drawings shall be submitted sufficiently in advance of construction to allow time for review and for resubmission, if necessary.

C. Submit all shop drawings and data at one time for equipment provided under this Section. The complete electrical shop drawings shall be bound in one pamphlet or binder indexed to this Section.

D. Shop drawing submittals processed are not change orders. The purpose of shop drawing submittals by the Contractor is to demonstrate that the Contractor understands the design concept; he demonstrates his understanding by indicating which equipment and material he intends to furnish and install and by detailing the fabrication and installation methods he intends to use. If deviations, discrepancies or conflicts between shop Drawings and Specifications are discovered, either prior to or after shop drawing submittals are processed, the design Drawings and Specifications shall control and shall be followed.

E. Manufacturers' data and dimension sheets shall be submitted giving all pertinent physical and engineering data including weights, cross-sections and maintenance instructions. Standard items of equipment such as receptacles, switches, plates, etc., which are cataloged items, shall be listed by manufacturer.

F. Index all submittals and reference to these Specifications.

1.12 COMPLETION DATA

A. Submit completion data to the Project Manager in acceptable quantity and form before requesting a final inspection. Such submittal shall be corrected, amended, or completed before final acceptance of the Work.

B. Include Record Drawings, maintenance manuals, and data; test results; control and wiring diagrams.

1.13 SIMILARITY OF MATERIALS

A. Unless specified otherwise, fixtures, fittings, hangers, and respective type features and equipment, of a similar type or having similar operative or functional features, shall be of the same manufacturer throughout the Project.

1.14 MANUFACTURERS' DIRECTIONS

A. Follow manufacturers' directions and recommendations in all cases where the manufacturers' equipment or articles are used for this Work. Compliance with the manufacturer's direction is a requirement for that product's listing with a recognized test lab.

1.15 VERIFICATION OF DIMENSIONS

A. Scaled and figured dimensions are approximate only. Before proceeding with Work, carefully check and verify dimensions, etc., on architectural Drawings, and be responsible for properly fitting equipment and materials together and to the structure in spaces provided.

B. Drawings are essentially diagrammatic, and many offsets, bends, pull boxes, special fittings, and exact locations are not indicated. Carefully study Drawings and premises in order to determine best methods, exact locations, routes, building obstructions, etc., and install apparatus and equipment in available locations. Install apparatus and equipment in manner and locations to avoid obstructions, preserve headroom, and keep openings and passageways clear.

1.16 IDENTIFICATION OF EQUIPMENT

A. All electrical equipment shall be labeled, tagged, stamped, or otherwise identified in accordance with the following schedule:

1. Meter Pedestal: Identification shall be with 1" x 4" laminated, white on black, micarta nameplates on each major component, each with name and/or number of unit and other pertinent data as required. Emergency power distribution panels shall be identified with white on red micarta nameplates. Letters shall be no less than 3/8" high.

2. Circuit breakers shall be identified by number and name with 3/4" x 1-1/2" laminated micarta nameplates with 3/16" high letters mounted adjacent to circuit breaker or switch.

3. Miscellaneous equipment (electrical), such as individually mounted safety switches, starters, step-down transformers, pull boxes, junction boxes, etc., shall be identified by the use of such equipment with P-Touch labels as required.

4. In general, the installed nameplates, as herein called for shall also clearly indicate its use, area served, circuit identification, voltage and any other useful data.

5. All auxiliary systems, including communications, shall be labeled to indicate function.

1.17 ARC FLASH LABELING

A. Meter pedestal shall be labeled with an Arc Flash Warning Sticker.

B. The labels shall contain Arc Flash warning:

1.18 CLOSING IN OF UNREVIEWED WORK

A. Do not allow or cause any of this Work to be covered up or enclosed until it has been reviewed by the Project Manager. Should any of this Work be enclosed or covered up before such review, uncover the Work and make repairs with such materials as may be necessary to

restore the Work and that of the other trades to its original and proper condition at no additional cost to the Owner.

1.19 SAFETY PRECAUTIONS

A. It is intended that within the scope of this Work during construction and until final acceptance, strict attention be given to matters pertaining to public safety and to safety of the construction workers and complementing personnel; and to other health and building safety requirements as specified and indicated including, but not limited to: Protection of openings in fire-rated construction; clearances from and/or protection of combustibles; proper securement for fixtures, equipment materials; method of performing the Work, operational and safety check of electrical devices, etc.; erection and maintenance of suitable barriers, protective devices, lights and warning signs and adequate provisions for storage and protection of Work, materials and equipment.

B. It is understood that the responsibility for the proper attention to the above stipulations is included under this Work.

1.20 EXCAVATION AND BACKFILL

A. Do excavation, trenching, and backfilling required for this Work. Do shoring, pumping, or draining that is necessary to keep the excavations and trenches safe and free from water. Where possible and practical, avoid planted or paved areas, walkways, floors, and other finished surfaces. See CONDUITS Sections for depth of conduits. Remove all excess excavated materials from the site, unless otherwise directed by the Project Manager.

B. Where required, do cutting and drilling of walls, pavements, walkways, etc., by means of cutting and drilling (coring) machines unless specifically approved otherwise.

Excavation, trenching, and backfill methods and procedures shall be in strict accordance with industry standards and local requirements.

C. Backfilling shall be done in one-foot layers, with each layer tamped before another layer is added. No stones or coarse lumps shall be laid directly on conduits.

1.21 BORING/HORIZONTAL DRILLING

A. Where approved as an alternate to trenching, provide boring plans. These plans shall be reviewed and approved before any boring operations may commence.

B. Boring plans shall include:

1. Bore pit location(s).
2. Receiving pit location(s).
3. Method of boring.
4. Procedure for protecting/avoiding existing lines.
5. Procedure for emergency repair of any damaged lines.

C. Obtain as-built plans of all site utilities before boring.

D. Call USA Dig or use a locator service to identify underground utilities before boring.

1.22 CONCRETE

A. Where used for structures to be provided under the contract such as bases, etc., concrete work and associated reinforcing shall be as specified under that Division.

B. See other sections for additional requirements for underground vaults, cable ducts, etc.

1.23 PROTECTION OF EXISTING LINES

A. Exercise special care to avoid damaging and to maintain in operation, all existing utility runs during the construction period. Also avoid damaging existing piping, conduits, or equipment that is to remain, whether or not specifically indicated on the Drawings. Existing utilities, piping, conduits, and equipment may or may not be shown on the Drawings. The Drawings only reflect information intended to suggest the probable extent and possible location of indicated runs and equipment. There may be other runs. There may be other locations. Neither the Owner nor the Project Manager represents that either has any precise knowledge as to either the full extent or exact location of equipment and runs that may fall within the building or Project Site.

B. Execute excavation and demolition on the Site and in the building with extreme care (by hand or small tools wherever appropriate) and at the sole risk of the Contractor and the workers involved.

C. Locate all known existing installations before proceeding with construction operations which may cause damage to such installations. The existing installations shall be kept in service where possible and damage to them shall be repaired at no increases in Contract Sum.

D. If other structures or utilities are encountered, request Project Manager to provide direction on how to proceed with the Work.

1.24 MOUNTING

A. Provide materials and accessories necessary to properly mount and secure equipment furnished and/or installed under the electrical Work. This includes but is not limited to such items as conduit, outlets, junction boxes, switches, relays, disconnect switches, lighting fixtures, cabinets, and transformers.

B. Inserts and Anchors shall be:

1. Furnished and installed for support of Work under this Division.

2. Adjustable concrete hanger inserts installed in new concrete work as manufactured by Hilti or as approved.

3. Installed in locations as approved by Project Manager.

4. Expandable lead type anchors installed in existing concrete with minimum surface damage, as manufactured by Hilti.

5. Toggle bolts, or "molly anchors", where installed in concrete block walls.

6. Complete with 3/16" or heavier steel backup plate where used to support heavy items. Through-bolts or backup plate shall be concealed from view, except as otherwise indicated.

C. Mounting of equipment that is of such size as to be freestanding and that equipment which cannot conveniently be located on walls, such as motor starters, etc., shall be rigidly supported on a framework of galvanized steel angle, Unistrut or as approved.

D. Furnish and install sleeves for the installation of Work under all sections of this Division. Sleeves through floors, roof and walls shall be as described in conduit section.

1.25 FLASHING

A. Flash and counterflash all conduits penetrating roofing membrane.

1.26 TESTS

A. Perform electrical tests as required or directed. Provide materials, labor, and equipment necessary for performances of these tests, and at completion of the Work perform a complete "in-service" operation of the entire electrical and power system to show compliance with the Drawings and Specifications. Replace Work showing faults under tests without additional cost to the Owner. Test system voltage at switchboards at completion of Work and provide a written report to the Project Manager.

1.27 EQUIPMENT LISTS AND MAINTENANCE MANUALS

A. Prior to completion of job, Contractor shall compile a complete equipment list and maintenance manual. The equipment list shall include the following items for every piece of material and equipment supplied under this section of the Specifications.

1. Name, model and manufacturer.

2. Complete parts Drawings and list.

3. Local supply for parts and replacement and telephone number.

4. All tags, inspection slips, instruction packages, etc. removed from equipment as shipped from the factory, properly identified as to the piece of equipment it was taken from.

B. Maintenance manuals shall be furnished for each applicable section of the Specifications, shall be suitably bound with hard covers, and shall include all available manufacturers' operation and maintenance instructions, together with as-built Drawings and lists hereinbefore specified and other diagrams and instructions necessary to properly operate and maintain the equipment. The equipment lists and maintenance manuals shall be submitted in duplicate to Architect for approval not less than 10 days prior to the completion of the job. The maintenance manuals shall also include the name, address and phone number of the General Contractor and all subcontractors involved in any of the Work specified herein. The maintenance manuals shall be finally provided in four copies.

1.28 CLEANING

A. During construction on a daily basis, and upon completion of the Work, remove from the site all debris and excess materials, tools, and removed items, resulting from this Work. Clean equipment, including lighting fixtures, free of dust, dirt, grease, paint, etc.

1.29 SALVAGE

A. Deliver salvaged equipment and material deemed salvageable by Project Manager to location designated by Project Manager. Remove other removed material and equipment from site.

1.30 GUARANTEE

A. Leave the entire installation in complete working order, free from defects in materials, workmanship or finish. Guarantee to repair or replace parts that may develop defects due to faulty materials, equipment, or workmanship within a period of one year after the Work is accepted by the Owner. Also, guarantee to repair or replace with like materials, other existing Work in the building damaged from or during the repair of any such defective equipment, materials, or workmanship.

1.31 INSTALLERS QUALIFICATIONS

A. Installer must have electrical certification per California Labor Code Section 3099.2.

B. All work described in the Electrical Specifications and shown on Electrical Drawings shall be performed by California State Certified Electricians.

C. All electrical foremen shall have a minimum of 500 hours of documented classroom training.

D. All electrical foremen shall have a minimum of 3,000 hours of documented on-the-job training.

E. At the time equipment submittals are made, provide copies of State Certification and training documents for electricians working on this project

PART 2 – PRODUCTS AND EXECUTION

2.01 GROUNDING

A. Grounding shall be executed in accordance with applicable codes and regulations of the State of California, California Electrical Code and local authorities having jurisdiction as well as any additional provisions specified or shown on Drawings.

B. Grounding bushings shall be used wherever conduits are grounded. Feeder conduits to panels and air conditioners shall have grounding bushings.

C. Grounding conductors should be located to permit, the shortest and most direct path to ground. Connections shall be readily accessible for inspection and connections shall not be permanently concealed in floors or walls.

D. Non-current carrying metallic parts of electrical equipment and raceways shall be securely grounded to the common system ground. In all locations, ground conductors shall be run through conduits and shall be securely bonded to the conduit at the entrance and exit. The conduit for the grounding conductors shall be continuous from the point of attachment to cabinets or equipment to the grounding electrode, and shall be securely fastened to the ground clamp fittings.

E. Ground connections to equipment shall be made with an approved type of exothermic weld or shall be bolted or clamped to equipment or conduit. Sheet metal strap types of ground clamps shall not be used. Contact surfaces shall be thoroughly cleaned and bright before connection is made so as to ensure a good metal to metal contact.

F. Where nonmetallic conduit is used, ground shall be achieved through use of a separate, green-insulated, copper, code-size, ground conductor included in the conduit.

G. Bonding of cold water piping system shall be achieved at the service entrance. A copper saddle shall be installed over the copper pipe at the location of the clamp to avoid damage to the pipe.

2.02 CONDUIT

A. Rigid Steel Conduit:

1. Rigid steel conduit shall have zinc coated exterior, zinc or enamel interior, standard weight, zinc coated couplings, locknuts and bushings and shall bear the U.L. label. Rigid conduit shall not be installed underground.

2. Use rigid conduit only for exposed exterior conduit runs, wherever subject to physical damage, or where specifically called for on the Drawings or required by a serving utility.

3. Intermediate metallic conduit (I.M.C.) may be used in lieu of rigid steel conduit.

B. Electrical Metallic Tubing:

1. Electrical metallic tubing (E.M.T.) shall bear the U.L. label and shall be zinc coated thinwall conduit with zinc-coated couplings and connections. "Indent" type fittings shall not be used.

2. E.M.T. may be used where rigid, flexible or non-metallic conduit is not required.

3. E.M.T. shall be used for interior dry locations. EMT shall be used where no specified conduit type is called for on the Drawings.

C. Plastic Conduit:

1. Plastic conduit shall be rigid polyvinyl chloride (PVC) Underwriter's approval, Schedule 40. Connections and fittings shall be "outside" type assembled in accordance with the recommended methods of the manufacturer.

2. Underground PVC conduit shall be buried a minimum of 24 inches below grade. Where more than two conduits are installed adjacently underground, use factory made conduit spacers.

3. PVC conduit shall be used for underground conduit runs in lieu of wrapped rigid conduit except as noted otherwise on the Drawings or required by the serving utility.

4. Provide a code size ground conductor in each conduit.

5. Only braided polyethylene or similar pull rope shall be used.

D. Installation of Conduit:

1. Underground conduit.

a. Keep interior of conduit clean and clear. Clean underground conduits by pulling a mandrel through conduit run followed with a swab before pulling wire.

b. Reroute conduit from locations shown on the Drawings where it is necessary to clear obstructions.

c. Provide junction or pull boxes where required for pulling conductors due to excessive number of bends or length of conduit runs.

d. Bury underground conduit, except those under buildings, a minimum of 24 inches below finished grade. Conduits under roadways shall be a minimum of 36 inches below finished grade. Conduit runs ¾ inch and smaller in slabs shall be located above vapor barriers. Bury conduit runs larger than ¾ inch to a minimum depth of 12 inches below floor slabs.

e. Standard factory ells shall not be used in underground service conduits or other long underground runs. Field bends shall not be flattened or kinked and shall not materially reduce the internal diameter of the conduit. Bends in long underground runs shall be made in long sweeping bends. Do not bend at couplings. Approved conduit bending methods shall be used.

f. All conduit runs shall have a code size insulated grounding conductor.

g. Properly separate two or more conduits installed underground in a common concrete envelope with approved factory made conduit spacers.

h. Locate conduit stub-outs dimensionally from building or curb lines on Record Drawings.

i. Pull wires shall be installed in empty conduits including telephone conduits and stub-outs, No. 12 AWG, type "THWN" insulated copper wire or 1/8-inch polyethylene rope shall be used.

j. Spare underground conduits shall be sealed with duct plugs that have pull tabs. Duct tape shall not be used to seal unused conduits.

2. Exposed/Concealed Conduit:

a. Provide secure mounting facilities for conduits. Wire or plumbers tape shall not be used for hanging conduit. Strap shall be factory made of the one hole malleable iron or two-hole galvanized clamp type.

b. Provide expansion couplings wherever conduits cross expansion joints.

c. Run conduit at right angles or parallel to structural members, walls, floors and ceilings. Where several conduits are run together or suspended, they shall be hung on Unistrut trapezes with minimum 3/8-inch rod hangers.

d. Cut ends of conduit square and ream to remove burrs or sharp edges. Terminate conduits properly with bushings, locknuts, etc. Terminate one (1) inch and larger conduits with insulated bushings.

e. Render conduits projecting through the roofing watertight by proper flashings. Securely fasten a sheet metal cap and tighten bank or storm collar to the conduits. Extend flashing a minimum of six (6) inches in all directions. Coordinate and install roof flashing for conduits to the satisfaction of the Project Manager.

f. All conduit runs shall have a code size insulated grounding conductor.

g. Pull wires shall be installed in empty conduits including telephone conduits and stub-outs, No. 12 AWG, type "THWN" insulated copper wire or 1/8-inch polyethylene rope shall be used.

2.04 OUTDOOR FLUSH PULLBOXES

A. Pull boxes shall be as specified on the Drawings.

2.05 PLATES AND DEVICE COVERS

A. Plates for switches, receptacles, telephone and blank outlets shall be stainless steel, Hubbell 302/304 alloy or Legrand "S" line, unless otherwise noted. Plates shall be engraved per Drawings or as covered under the Article of this Specification titled "Identification of Equipment".

2.07 RECEPTACLES

A. Duplex convenience outlets shall be specification grade, backwire, three wire, NEMA #5-20R, self-grounding type, 20 ampere, 125 volt parallel slots, polarized, in white. Additional receptacles shall be as indicated on the Drawings. Receptacles shall be Hubbell #5253W.

B. Receptacles indicated weatherproof shall have lift cover plates that are weatherproof "while in use" Hubbell/Taymac expandable flat ML450W or equal.

C. Outdoor ground fault circuit interrupter receptacles shall be Hubbell #GFW RST 20W or equal.

2.07 WIRE AND CABLE

A. 600 Volt Conductors:

1. Conductors shall be copper and delivered to the site in their original, unbroken packages plainly marked or tagged with U.L. label, size, kind, insulation, name of manufacturer and trade name of the wire.

2. Type "THWN/THHN", 600-volt insulation shall be used for all locations.

3. Minimum size conductor shall be #12.

4. Conductors shall be stranded.

5. Ground conductors shall be bare copper or have green insulation.

6. 120 volt and 277 volt circuits shall have separate neutrals.

B. Installation:

1. Conductors shall be continuous between outlets or junction boxes and no splices shall be made except in outlet boxes, pull boxes, panelboard gutters or handholes.

2. Joints, splices and taps No. l0 or smaller (including fixture pigtails) shall be connected with "floating spring" type connectors. No. 8 and larger shall be connected with solderless connectors of 100% electrolytic copper. Split-bolt connectors are not acceptable.

3. Tighten pressure type lugs on panels and equipment, and then retighten 24 hours or more later after energizing. Provide written report of torque values on lugs.

4. Oil or grease shall not be used when pulling conductors. Use U.L. approved cable lubrication only.

5. Lace or train conductors neatly in panels, cabinets and equipment. Use plastic wire ties to route conductors at edge of enclosure away from overcurrent devices.

6. Branch circuits shall be color coded in compliance with Section 210-5 of the California Electrical Code. Colored tape is not acceptable.

7. All wiring, both line and low voltage, shall be installed in conduit unless otherwise noted.

8. Conductors from different panels or from different power sources shall not be installed in the same conduit, junction box, gutter, or raceway.

C. Tag:

1. Branch circuits shall be left tagged with circuit numbers in gutters and junction boxes where unused circuits terminate.

2. Feeder conductors shall be tagged as phase "A" or "B" or "C".

3. The method of tagging shall be with adhesive preprinted tape numbered or lettered wrap around tags. Colored tape is not acceptable.

4. Tagging shall be applied after wire is installed in conduit.

5. Feeders in panel or equipment shall be tagged by phase letter in each panel or equipment.

6. Where it is impractical to use printed markers on certain wires or cables, use blank tape with identification marked thereon with indelible pen or pencil.

D. Color Coding for Phase Identification: Color code secondary service, feeder, and branch circuit conductors with factory applied color as follows:

208y/120Volts	Phase
Black	A
Red	B
Blue	C
White	Neutral
Green	Ground

2.08 DISCONNECT SWITCHES

A. Non-fusible or fusible as shown on the Drawings, heavy duty, 250 or 600 volts as required, NEMA Type 1 enclosure, except where WP is indicated or required by code, use NEMA Type 3R enclosure.

2.09 LIGHTING FIXTURES

A. Lighting fixtures shall be of manufacture and type as specified in the Fixture Schedule, and shall have all parts and fittings necessary to completely and properly install the fixture. Fixtures of the same type shall be of one manufacturer and of identical finish and material.

B. Lighting fixtures shall bear Underwriter's Laboratories labels. Interior light fixtures shall be on the California Energy Commission approved list. Exterior light fixtures shall be on the DLC list.

C. Fixtures shall be furnished and installed as indicated on the Drawings, including hangers, glassware, auxiliary equipment, drivers, adapters, connectors for continuous installation, etc.

D. Each fixture shall be wired with conductors suitable for the voltage, current and temperature to which the conductors will be subjected.

E. If excessive driver flicker develops within 12 months after installation, the condition shall be corrected at no charge to the Owner. Flickering of the LED or failure of an LED array within 12 months of substantial completion shall also be corrected at no charge to the Owner.

F. Proper LEDs of type, size, color temperature and wattage indicated shall be furnished and installed in each fixture and shall be manufactured by Phillips, Sylvania, Cree, Soraa or Bridgelux. The Contractor shall replace LED arrays which have been burned out prior to final completion. Clean dust, dirt, fingerprints and grease from fixtures before final completion.

G. Follow manufacturer's installation instructions when installing light fixtures.

2.10 LED LAMPS

A. Any LED lamps used shall be JA8 compliant.

B. LED lamps shall be UL listed.

C. LED lamps shall be tested for use in the fixtures they will be installed in.

D. LED lamps shall not cause fixtures to overheat or lamps to prematurely fail.

2.11 MOLDED CASE CIRCUIT BREAKERS - MAINS AND BRANCHES:

A. Common Characteristics:

1. Circuit breakers shall be constructed in accordance with the following standards:
UL 489 Federal Specification W-C-375B/GEN
NEMA AB1 CSA 22.2, No. 5-M91
IEC 157-1 BS 4752

2. Circuit breakers shall be constructed using glass reinforced polyester insulating material providing superior dielectric strength. Current-carrying components shall be completely isolated from the handle and the accessory mounting area.

3. Circuit breakers shall have an overcenter, trip-free, toggle operating mechanism which will provide quick-make, quick-break contact action. The circuit breaker shall have common tripping of all poles.

4. Circuit breakers shall have a push-to-trip button for maintenance and testing purposes.

5. Circuit breaker escutcheon shall have international I/O markings, in addition to standard ON/OFF markings. Circuit breaker handle accessories shall provide provisions for locking handle in the ON or OFF position.

6. Breaker faceplate shall indicate rated ampacity. Breaker faceplate shall indicate UL and IEC certification standards with applicable voltage systems and corresponding AIR ratings.

7. Circuit breakers shall be factory sealed and shall have a date code on the face of the circuit breaker. Poles shall be labeled with respective phase designations.

(a) Circuit breakers shall be UL Listed for use with the following accessories: Shunt Trip, Under Voltage Trip, Auxiliary Switch, Alarm Switch, Ground Fault Shunt Trip, Electrical Operators, Cylinder Locks, Mechanical Lugs Kits, Compression Lugs Kits, and Handle Accessories.

8. Lugs shall be UL Listed to accept solid or stranded copper conductors only. Lugs shall be suitable for 90° C rated wire, sized according to the 75° C temperature rating per NEC Table 310-16. Lug body shall be bolted in place; snap-in designs are not acceptable. Lugs shall be torqued with a torque wrench to the value listed on the circuit breaker.

9. Two- and three-pole circuit breakers shall have an internal common trip crossbar to provide simultaneous tripping. Circuit breaker frame sizes above 100 amperes shall

have a single magnetic trip adjustment located on the front of the breaker, which allows the user to simultaneously select the desired trip level of all poles.

10.

11. Standard circuit breakers up to 250 amperes at 600 VAC shall be UL Listed with HACR ratings.

2.12 METER PEDESTAL:

A. The pedestal shall be free-standing, including underground pull section, metering and distribution section. The bus size and circuit breaker trip settings shall be as indicated on the Drawings. The pedstal shall have facilities for the power company's meters and test apparatus. Sequence of metering shall be as required by the serving utility company. Bussing shall be copper. Ground bus and solid neutral shall be provided. Provide plastic laminated nameplate. Support pedestal in accordance with manufacturer's requirements. Provide all required seismic support.

B. Main circuit breaker shall be listed and marked for service entrance.

C. Circuit breakers shall be plastic molded case, trip free with quick-make, quick break operating mechanism.

D. The pedestal shall be constructed to conform to the latest sections of applicable IEEE Standards and ANSI Standards. The circuit breakers shall have short-circuit AIC ratings as indicated on the Drawings.

E. Provide plastic, engraved, laminated nameplates for switchboard identification as well as each circuit breaker. Provide a separate plastic, engraved, laminated nameplate with the meter's address.

F. The pedestal shall have an arc flash label in accordance with Part I, 1.18 Arc Flash Labeling.

END OF SECTION

SECTION 32 01 90
LANDSCAPE MAINTENANCE

1.00 GENERAL

1.01 SCOPE OF WORK:

A. Work Specified in this Section: Furnish all labor, material, equipment, and services required to maintain the landscape in an attractive condition as specified herein for a period of 90 calendar days.

B. Related Work Specified in Other Sections:

1. Section 32 93 00: Landscaping

C. Definition: The word Architect as used herein shall refer to the Landscape Architect or the Owner.

1.02 QUALITY ASSURANCE

A. The Contractor's representatives and employees shall be experienced in landscape maintenance.

1.03 90 CALENDAR DAY MAINTENANCE PERIOD

A. The Contractor shall continuously maintain all areas involved in this Contract during the progress of work. Maintenance period shall not start until all elements of construction, planting, and irrigation for the entire project is in accordance with Plans and specifications.

1. A prime requirement is that groundcover areas shall have been planted and mulched.

2. The Contractor's maintenance period will be extended if the provisions required within the Plans and specifications are not fulfilled. Project may not be segmented into maintenance phases.

3. The Contractor shall request a Pre-Maintenance inspection by the Owner and Architect at the completion of the installation process.

4. The Maintenance Period shall begin upon successful completion of the Pre-Maintenance walk-through punch list and acceptance of the landscape installation by the Owner.

5. If such criteria are met to the satisfaction of the Owner, a field notification will be issued to the Contractor to establish the effective beginning date of the maintenance period.

B. The Maintenance Period continues for 90 calendar days until final acceptance of the work by the Owner. Improper maintenance or poor condition of any planting at the termination of the scheduled maintenance period may cause postponement of the final completion date of the Contract.

C. In order to carry out the plant maintenance work, the Contractor shall furnish sufficient people and adequate equipment to perform the work during the maintenance period. Any day when the Contractor fails to adequately maintain plantings replace unsuitable plants or do weed control or other work, as determined necessary by the Owner, will not be credited as one of the maintenance period working days.

1.04 GUARANTEE AND REPLACEMENT

A . Guarantee: All tree material installed under the contract shall be guaranteed for a period of one year. Any plant found to be dead or in poor condition due to faulty materials or workmanship, as determined solely by the Architect, shall be replaced by the Contractor at his expense.

1. Replacement: Any materials found to be dead, missing, or in poor condition during the Maintenance Period shall be replaced immediately.

2. The Architect shall be the sole judge as to the condition of material.

3. The Contractor shall replace material rejected during the Guarantee period within fifteen (15) days of written notification by the Owner.

1.05 OBSERVATION VISITS

A. The Contractor shall request progress visits from the Owner at least 48 hours in advance of anticipated visits. Normal observation visits are as follows:

1. Immediately prior to the commencement of the work in this section.

2. Completion of first 30, 60 and 90 days of maintenance.

3. There shall be a separate and final acceptance visit for project acceptance.

1.06 FINAL ACCEPTANCE OF THE PROJECT

A. Prior to the date of the final construction observation visit, the Contractor shall acquire from the Architect approved reproducible Plans and record (from the job record set) all changes made during construction, label these Plans "Record Drawings" and deliver to the Architect for review and approval.

B. Prior to the date of final inspection, the Contractor shall deliver to the Architect a written "Landscape and Irrigation Guarantee" as required herein.

PART 1 - PRODUCTS

2.01 MATERIALS

A. All materials used shall either conform to landscape specifications in other sections or shall otherwise be acceptable to the Owner.

PART 2 - EXECUTION

3.01 MAINTENANCE

A. Maintenance shall be performed according to the following standards:

1. All areas shall be weeded and cultivated at intervals of not more than seven (7) days.

2. Watering as may be required, shall be included in the maintenance period.

3. Passive irrigation systems are to be checked if necessary.

4. The Contractor shall be responsible for maintaining adequate protection of the area.

    a. Damaged areas shall be repaired at the Contractor's expense.

B. The Contractor shall be responsible for reporting to the Owner any conditions beyond his control that prevent or have negative impact on the work required herein.

3.02 TREE AND SHRUB CARE

A. Watering:

1. Apply enough irrigation water so that moisture penetrates throughout root zone and only as frequently as necessary to maintain healthy growth.

    a. It is not necessary to maintain soils in a constantly wet condition.
    b. Contractor shall be responsible for familiarizing himself with the particular water requirements for the various plantings and shall be responsible for setting and maintaining the automatic controller to optimum minimum levels.
    c. Any damage to the plantings caused by over-watering or under-watering shall be the responsibility of the Contractor to replace at no cost to the Owner.

B. Maintain a water basin around newly planted plants and succulents so that water can be applied to moisturize throughout the root zone. At the end of the maintenance period these basins shall be flattened out to match surrounding grades.

1. If hand-watering, use a fan spray nozzle to break the water force.

C. Staking and Guying: Stakes and guys shall remain in place until final acceptance and are to be continuously inspected and adjusted to prevent girdling of trunks or branches and to prevent rubbing that causes bark wounds and to allow trees to sway freely. Stakes and guys are to be removed when trees become sufficiently well rooted or after one year. When stakes or guys are removed, tree heads may be thinned to reduce wind load.

D. Weed Control: Keep all areas, including basins and areas between plants, free of weeds.

1. Avoid frequent soil cultivation next to trees or shrubs that destroys shallow roots.

2. Use mulch to help prevent weed seed germination.

E. Insect and Disease Control: Maintain control of insect infestations. The preferred method of control shall be biological control, or with non-toxic, biodegradable, organic materials.

F. Replacement of Plants: Replace dead, dying, and missing plants with plants of a size, condition, and variety acceptable to Architect or Owner at Contractor's expense.

3.03 GROUND COVER CARE

A. Weed Control: Control weeds preferably with mechanical methods. Hoe weeds as little as possible since this may result in plant damage. Foot traffic in planted areas shall be minimized, and any soil compaction shall be loosened immediately.

B. Watering: Water enough so that moisture penetrates throughout root zone and only as frequently as necessary to maintain healthy growth.

1. It is not necessary to maintain soils in a constantly wet condition.

2. Contractor shall familiarize himself with the particular water requirements for the planting and shall be responsible for setting and maintaining the automatic controller to optimum minimum levels.

3. Any damage to the planting caused by over-watering or under-watering shall be the responsibility of the Contractor to replace.

C. Trash: Remove trash weekly. Remove any debris, clippings or branches produced by maintenance activities immediately.

D. Edging and Trimming: Edge ground cover to keep in bounds and trim top growth as necessary to achieve an overall even appearance.

E. Replacement: Replace dead and missing plants at Contractor's expense.

3.04 IRRIGATION SYSTEM

A. System Inspection: Contractor shall continuously check all systems for proper operation. Lateral lines shall be flushed out after removing the last sprinkler head or two at each of the lateral. All heads are to be continuously adjusted as necessary for proper coverage and to eliminate over-spray on buildings or paving. Contractor's regular maintenance personnel shall test, observe, and adjust each sprinkler system no less than once per month.

B. Controllers: Set and program automatic controllers for seasonal water requirements and minimum optimum water use. Give Owner a key to controllers and instructions on how to turn off system in case of emergency.

C. Repairs: Repair all damage to irrigation system at Contractor's expense. Repairs shall be made within one watering period.

END OF SECTION

SECTION 32 84 00
LANDSCAPE IRRIGATION SYSTEM

1.00 GENERAL

1.01 DESCRIPTION:

A. Division 1 applies to this Section. Provide all labor, materials, appliances, tools, equipment, facilities, transportation, and services necessary for and incidental to performing all operations in connection with furnishing, delivery, and installation of the Work of this Section, complete as shown on the Drawings and/or specified herein.

B. Work In This Section: Principal items include:

1. Irrigation mains.
2. Laterals.
3. Sprinkler heads.
4. Control valves.
5. Coupler valves, etc.
6. Automatic controllers.

C. Related Work Not In This Section: Examine all Sections for Work related to Work of this Section; principal items of which are:

1. Division 15 – Mechanical
2. Landscaping - refer to Section 32 93 00.
3. Section 31 23 00 – Earthwork
4. Section 31 05 23 – Site concrete
5. Section 05 50 00 - Metal Fabrications

D. Definition: The word Architect as used herein shall refer to the Landscape Architect or the Owner.

1.02 QUALITY ASSURANCE AND REQUIREMENTS:

A. Permits and Fees: Contractor shall obtain and pay for any and all permits and all inspections as required.

B. Manufacturer's Directions: The manufacturer's directions and detailed drawings shall be followed in all cases where the manufacturers of articles used in this contract furnish directions covering points not shown in the Drawings and Specifications.

C. Ordinances and Regulations: All local, municipal and state laws, and rules and regulations governing or relating to any portion of this Work are hereby incorporated into and made a part of these Specifications, and their provisions shall be carried out by the Contractor. Anything contained in these Specifications shall not be construed to conflict with any of the above rules and regulations or requirements of the same. However, when these Specifications and Drawings call for, or describe materials, workmanship, or construction of a better quality, higher standard, or larger size than is required by the above rules and regulations, the provisions of these Specifications and Drawings shall take precedence.

D. Explanation of Drawings:

1. Due to the scale of the Drawings, it is not possible to indicate all offsets, fittings, sleeves, etc. which may be required. The Contractor shall carefully investigate the structural and finished conditions affecting all of his Work and plan his Work accordingly, furnishing such fittings, etc., as may be required to meet such conditions. Drawings are diagrammatic and indicative of the Work to be installed. The Work shall be installed in such a manner as to avoid conflicts between Irrigation systems, planting, and architectural features.

2. All Work called for on the Drawings by notes or details shall be furnished and installed whether or not specifically mentioned in Specifications.

3. Contractor shall not willfully install the irrigation system as shown on the Drawings when it is obvious in the field that obstructions, grade differences or discrepancies in area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the Owner's authorized representative. In the event this notification is not performed, Contractor shall assume full responsibility for any revision necessary.

4. Work of this Section which is allied with the Work of other trades shall be coordinated as necessary.

E. Underwriters Laboratories: Electrical wiring, controls, motors, and devices shall be UL listed and so labeled.

1.04 SUBMITTALS: Refer to the General Conditions for procedures.

A. (SD-60) Materials List:

1. The Contractor shall furnish the articles, equipment, materials, or processes specified by name in Drawings and Specifications. No substitutions will be allowed without prior written acceptance by the Architect.

2. Complete material list shall be submitted prior to performing any Work. Material list shall include manufacturer, model number, and description of all materials and equipment to be used.

3. Equipment or materials installed or furnished without prior approval of the Architect may be rejected and the Contractor required removing such materials from the site at his own expense.

4. Approval of any item, alternate, or substitute indicated only that the product or products apparently meet the requirements of the Drawings and Specifications of the basis of the information or samples submitted.

5. Manufacturer's warranties shall not relieve Contractor of his liability under the guarantee. Such warranties shall only supplement the guarantee.

6. If equipment is as specified, no manufacturer descriptive catalogs are necessary in submittal.

B. Record Drawings:

1. Contractor shall provide and keep up to date and complete "as-built" record set of blue-line prints or CADD files which shall be corrected daily and shown every change from the original Drawings and Specifications and exact "as-built" locations, sizes, and kinds of equipment. Prints for these purposes may be obtained from the Architect at cost. This set of Drawings shall be kept on the site and shall be used only as a record set.

2. These Drawings shall also serve as Work progress sheets and shall be the basis for measurement and payment for Work completed. These Drawings shall be available at all times for site reviews and shall be kept in a location designated by the Architect. Should the record blue-line or CADD file as-built progress sheets not be available for review or not up to date at the time of any site reviews, it will be assumed that no Work has been completed and the Contractor will be assessed the cost of that site visit at the current billing rate of the Architect. No other inspections shall take place prior to payment of that assessment.

3. The Contractor shall make neat and legible notations on the as-built progress sheets daily as Work proceeds, showing the Work as actually installed. For example, should a piece of equipment be installed in a location that does not match the plan, the Contractor must indicate that equipment has been relocated in a graphic manner so as to match the original symbols as indicated in the irrigation legend. The relocated equipment and dimensions will then be transferred to the original as built plan at the proper time.

4. Before the date of the final site review, Contractor shall create a transparency or CADD drawing showing all information from the as-built prints. The dimensions shall be made so as to be easily readable even on the final controller chart (See section C below).

5. The Contractor shall dimension from two permanent points of reference, building corners, sidewalk, or road intersections, etc., the location of the following items:

   a. Connection to existing water lines.
   b. Connection to existing electrical power.
   c. Gate valves.
   d. Routing of sprinkler pressure lines. (Dimension max. 100' along routing.)
   e. Sprinkler control valves.
   f. Routing of control wiring.
   g. Quick coupling valves.
   h. Other related equipment as directed by the Architect.

6. On or before the date of the final site review, the Contractor shall deliver the corrected and completed transparencies or CADD drawings to the Architect. Delivery will not relieve the Contractor of the responsibility of furnishing required information that may be omitted from the Drawings.

C. Controller Charts:

1. Record Drawings shall be approved by the Architect before controller charts are prepared.

2. Provide one controller chart for each controller supplied.

3. The chart shall show the area controlled by the automatic controller and shall be the maximum size which the controller door will allow.

4. The chart is to be a reduced drawing of the actual as-built system, of a maximum size that will fit inside controller housing, double sided if required for readability.

5. The chart shall be a blackline print and a different color shall be used to indicate area of coverage for each station, using pastel or transparent colors.

6. When completed and approved, the chart shall be hermetically sealed between two pieces of plastic, each piece being a minimum 20 mils.

7. These charts shall be completed and approved prior to final acceptance of the irrigation system.

D. Operation and Maintenance Manuals:

1. Prepare and deliver to the Architect within 10 calendar days prior to completion of construction, two hard cover binders with three rings containing the following information:

   a. Index sheets stating Contractor's address and telephone number, list of equipment with name and addresses of local manufacturer's representative.
   b. Catalog and part sheets on all materials and equipment installed under this Contract.
   c. Guarantee statement.
   d. Complete operating and maintenance instruction on all major equipment.

2. In addition to the above mentioned maintenance manuals, provide the Owner's maintenance personnel with instructions for major equipment, and show evidence in writing to the Architect at the conclusion of the project that this service has been rendered.

E. Equipment to Be Furnished:

1. At time of final acceptance, Irrigation Contractor shall deliver to the City:

   a. Two keys for opening valve boxes.
   b. Two keys for each automatic controller.
   c. Hose and Swivel Assemblies: Supply one (1) set of hose and swivel assemblies for every five (5) quick coupling valves installed.
   d. Two special wrenches suitable for operating each type of shut-off valve installed.
   e. Operating instructions and parts lists, as printed by each manufacturer of each type of equipment installed. Refer to "Material" section of the specifications and legend on the drawings.

f. List of equipment with names and addresses of local manufacturer representatives.
g. "As-built" drawings and controller charts.

2. The above mentioned equipment shall be turned over to the Owner at the conclusion of the project. Before final acceptance can occur, evidence that the Owner has received material must be shown to Architect.

1.05 PRODUCT DELIVERY, STORAGE, AND HANDLING:

A. Contractor is cautioned to exercise care in handling, loading, unloading, and storing of PVC pipe and fittings. All PVC pipe shall be transported in a vehicle which allows the length of pipe to lie flat so as not to subject it to undue bending or concentrated external load at any point. Any section of pipe that has been dented or damaged will be discarded and, if installed shall be replaced with new piping.

1.06 SUBSTITUTIONS:

A. Substitutions: If the Irrigation Contractor wishes to substitute any equipment or materials for those equipment or materials listed on the Irrigation Drawings and Specifications, he may do so by providing the following information to the Architect for approval, in conformance with the General Conditions:

1. Provide a statement indicating the reason for making the substitution. Use a separate sheet of paper for each item to be substituted.

2. Provide descriptive catalog literature, performance charts and flow charts for each item to be substituted.

3. Provide the amount of cost savings if the substituted item is approved.

4. Approval of any item as a substitution or alternate is for design only, based on information or samples provided by the Contractor.

5. Contractor shall be responsible for the total performance of such substitution to equal or surpass the original in every respect.

6. If the substitution proves to be unsatisfactory in the opinion of the Architect, Contractor shall remove such Work and replace it with originally specified item, including installation as part of the Work of this Section.

B. Architect Responsibility: Architect shall have the sole responsibility for accepting or rejecting any substituted item as approved equal to equipment and materials listed on the Irrigation Drawings and Specifications.

1.06 GUARANTEE:

A. The one (1) year guarantee for sprinkler irrigation system shall be made in accordance with the General Conditions. A copy of the guarantee form shall be included in the operations and maintenance manual.

2.00 PRODUCTS

2.01 MATERIALS:

A. Materials for irrigation installation shall be new materials and as specified unless specifically approved in writing by the Owner's representative as equal products. They shall conform to provisions of the Drawings and Specifications.

B. Pipe & Fittings:

1. Pressure Main Line Piping and Fittings: Sizes 2-1/2" and smaller shall be Schedule 40 PVC, on surface Schedule 40 galvanized pipe and fittings.

2. Non-Pressure Lines (buried): Shall be PVC Schedule 40.

3. Plastic fitting shall be the schedule of pipe being fitted (Sch. 40 and 80), PVC II, N.S.F. rated. Plastic fitting shall be polyvinyl chloride (PVC) high impact, extruded from B.F. Goodrich Geon 8700 A similar and equal to Lasco Industries, Sloane Mfg. Co., or equal, and PVC solvent weld cement as recommended by pipe manufacturers.

4. All pipe and fittings shall conform to specific requirements as follows:
   a. PVC (Solvent Weld):
      (i) Pipe: Manufactured from virgin polyvinyl chloride compound in accordance with ASTM D 1785or ASTM D 2241, cell classification 12454B, and hydrostatic design stress rating not less than 2,000 P.S.I.
      (ii) Fittings (Solvent weld or thread) Standard weight, Schedule 40, side gated, injection molded PVC complying with ASTM D 2466, cell classification 12454B, including threads when required.
      (iii) PVC nipples shall be Schedule 80 with machine threads.
      (iv) All PVC pipe must be labeled with the following markings:
         (a) Manufacturer's name.
         (b) Nominal pipe size.
         (c) Schedule or class.
         (d) Pressure rating in A.S.T. (Not required on drip tubing).
         (e) NSF National Sanitation Foundation) approval (Not required on drip tubing).
         (f) Date of extrusion.
      (v) Solvent cement and primer for PVC solvent-weld pipe and fittings shall be of type and installation method prescribed by the manufacturer.
      (vi) Galvanized Pipe and Fittings:

         (a) Pipe shall be galvanized steel, American National Standard Institute (ANSI), Schedule 40 galvanized, mild steel screwed pipe.
         (b) Fittings: Screwed beaded malleable iron, or 125 pound cast iron, flanged.
         (c) Unions (2" and Smaller): Ground joint pattern.

(d) Unions (Larger Than 2"): Flanged type, packed with 1/16" thick fiber gaskets.

C. Quick Coupling Valves: Valves shall be as shown in legend and details.

D. Hose and Swivel Assemblies: Supply 1 set of hose and swivel assemblies for every 5 quick coupling valves.

E. Sprinkler Heads: Heads shall be of the adjustable type, sizes, and designations as shown on Drawings, or equal, and shall be sized, selected, and placed in a manner to achieve complete water coverage of areas to be watered.

F. Gate Valves: Valves shall be as shown in the legend and details.

G. Gate Valve Boxes: Boxes shall be round plastic valve boxes with locking covers, manufactured by Brooks or Carson or equal, and shall be of size and type as called out on the Drawings and in the details.

H. Remote Controller and Valves: Shall be as indicated in the legend and on the drawings.

I. Boxes For Remote Control Valves: Boxes shall be rectangular plastic boxes with locking covers, manufactured by Brooks or Carson or equal.

J. Electrical:

1. High Voltage: All high voltage electrical service required for automatic controller and other equipment noted on Drawing for irrigation system will be provided by others. Irrigation Contractor shall be responsible for final connection.

2. Low Voltage: Connections between controller and remote control valves shall be made with direct burial AWG-UF, 600 volt wire, insulation thickness 3/64", utilizing low density high molecular weight polyethylene insulation. Splices, where permitted, shall be waterproofed using Rainbird, Pen-tite, or 3M-DBY connectors or fusible heat shrinking tubing and housed in a box. Boxes for other irrigation may be utilized for this purpose. Wire sizing shall be a minimum of #14 "UF. 600 volt underground wiring. Common wire is to be white in color, and all others a different color.

J. Copper Pipe and Copper Fittings: Pipe and fittings shall be provided wherever local codes require its use, as for example under building slabs and attached to parking structure roofs.

3.00 EXECUTION

3.01 WORK PROCEDURES:

A. Contractor shall follow local building codes, customary practices and as follows:

B. General: The Contractor shall connect to existing water supply as shown on the Drawings and as necessary to carry out the intent of the Drawings and Specifications. Check location of lines, valves, other underground utilities, etc., and receive approval of Owner's representative before any installation. The Contractor shall check and verify existing water

pressure and available gallonage before starting Work and shall inform the Architect if not adequate as designed.

C. Trenches, Subgrades, and Backfill: Excavate trenches, prepare subgrades and backfill true to line and grade with sufficient room for pipe fittings, testing, and inspection operations. Cut bottom of trench so that pipe barrel rests uniformly on trench bottom. Do not backfill until pipe system has been subjected to a hydrostatic test as specified.

D. Depth: Depth of coverage for irrigation piping shall be as follows:

1. Main lines - 18 inches minimum depth.

2. Lateral lines - 12 inches minimum depth.

3. Where subslab conflicts, install as deep as possible.

4. 24 inch depth for all lines under driveways.

E. Backfill: Backfill trenches after acceptance of Work with suitable approved material, tamping soil around pipe, and thoroughly water settling all trench fills. Trenches under walks and roads shall be backfilled in accordance with General and Special Conditions of the Specifications. Wherever subsidence of trenches occurs, the Contractor shall be responsible for restoring all to final grade.

F. Control Valves: Locate control valves in close proximity to walks or to accessible areas; control valves shall never be more than 12" from walks or nearest access as indicated on Drawings and in a manner to make them accessible to manual operations without interference of water spray from heads.

G. Quick Coupling Valves: Install all quick coupling valves as indicated on Drawings and to conform to the full intent and meaning of the Drawings and the Specifications.

H. Pipe: All pipe shall be laid true and accurate to grade with full length of pipe section lying solidly on a firm base. If grade or joint of pipe is disturbed after laying, it shall be taken up and relaid.

1. Clean interior of pipe thoroughly and remove all dirt or foreign matter before lowering pipe into trench, and keep clean during operations by plugs or other approved method. The ends of all threaded pipe shall be reamed out full size and with a long taper reamer so as to be partially bell-mouthed and perfectly smooth. All offsets shall be made with fittings. All water lines shall be thoroughly flushed out before the heads are installed.

2. Threads on pipe shall be cut with sharp clean dies to conform to American Standards Association Specifications and so that not more than 2 threads are left exposed on the pipe.

3. Joints in all screwed metallic and metallic to plastic piping shall be made by applying specified pipe joint compound tape to the threaded end with one-half inch lapping before screwing joints together.

4. Do not lay pipe in water or mud. Keep ends of pipe securely closed when work is not in operations to prevent water or other matter from entering the lines.

5. Long runs of PVC pipe shall be slightly snaked in the trench to allow for contraction.

6. Replace without cost to the Owner any pipe that is found to be defective.

7. Provide unions and fittings as necessary to make all connections to existing lines and to complete Work as intended on the Drawings.

8. Install dielectric couplings and flanges as required at the junction of pipes or fittings made of dissimilar metal.

9. Risers to sprinkler heads shall be Schedule 80 PVC, or as shown in the details, and offset from laterals as indicated on the Drawings.

10. All sprinkler heads next to walks, paths, parking areas, and any areas where people normally walk shall be the pop-up type. No fixed sprinkler risers shall be installed next to such walks, paths, or parking areas.

11. Solvent weld joints will be made as follows:
    a. Good square cuts, clean and free of debris and shavings and moisture.
    b. Main Line Only: Apply p-70 Weldon or equal. Finish make up of joint using Weldon 711 or equal. Hot glue will not be permitted.

I. Tests: Test all sprinkler mains after pipe is laid and joint completed by submitting to a pressure test of 125 p.s.i. static pressure in the presence of the Owner's representative. Do not backfill any trench until the Owner's representative has approved the test. Repair any leaks until lines meet test requirements and the Owner's representative's approval. All laterals shall be tested under main pressure for leaks; any leaks shall be repaired. All tests with the exception of the laterals shall be for the duration of 4 hours with a maximum drop of 4 psi allowed.

J. Flushing of System:

1. After all new sprinkler pipe lines and risers are in place and connected, all necessary diversion Work has been completed, and prior to installation of sprinkler heads, the control valves shall be opened and full head of water used to flush out the system.

2. Sprinkler heads shall be installed only after flushing of the system has been accomplished to the complete satisfaction of the Architect.

K. Sprinkler Heads: Install sprinkler heads as directed. Where they adjoin the edges of walks, set turf pop-up heads in 2" from edge and shrub and rotor heads 6" in from edge. Special conditions for installing heads shall be as shown on the Drawings.

1. Space the sprinkler heads as shown on Drawings or as directed and as necessary to gain full water coverage of the sprinkler areas. Adjust heads as necessary, changing sizes and nozzles until Work is approved.

2. Add sprinkler heads as needed or as directed for full water coverage of all areas without extra cost to the Owner.

3. Make final adjustments of all sprinkler heads after soil has settled.

L. Finish Grade: Bring all areas excavated for the installation to a neat and true finish grade to match adjoining areas.

M. Completion: Leave entire installation in complete working order, free from any and all defects in material, workmanship, or finish, regardless of any discrepancies and/or omissions in Drawings and Specifications.

3.02 TEMPORARY REPAIRS:

A. Owner reserves the right to make temporary repairs as necessary to keep the sprinkler system equipment in operating condition. The exercise of this right by the Owner shall not relieve the Contractor of his responsibility under the terms of the guarantee as herein specified.

3.03 MAINTENANCE:

A. The entire sprinkler irrigation system shall be under full automatic operation for a period of seven days prior to any planting.

3.04 CLEANUP:

A. Clean-up shall be performed as each portion of Work progresses. Refuse and excess dirt shall be removed from the site, all walks and paving shall be broomed or washed down, and any damage sustained to the Work of others shall be repaired and Work returned to its original condition.

END OF SECTION

SECTION 32 93 00
LANDSCAPING

1.00 - GENERAL

1.01 DESCRIPTION:

A. Division 1 applies to this Section. Provide all labor, materials, appliances, tools, equipment, facilities, transportation, and services necessary for and incidental to performing all operations in connection with the installation of the Work of this Section, complete as shown on the Drawings and/or specified herein.

B. Work In This Section: Principal items include:

1. Examine all other Sections for Work related to those other Sections and required to be included in this Section.
2. Fine grading in landscaping areas.
3. Landscaping.

C. Related Work Not In This Section:

1. Section 32 84 00 - Irrigation
2. Section 32 01 90 - Landscape Maintenance

D. Definition: The word Landscape Architect as used herein shall refer to the Landscape Architect or the Owner.

1.02 SUBMITTALS: Refer to Section General Conditions for procedures.

A. Samples of Materials: Submit Samples as required by the Landscape Architect or Owner's Representative and store on the site until furnishing of material is complete. Delivery may begin upon approval of Samples or as directed by Owner's Representative. Samples required are listed below:

1. Irrigation Equipment (see Section 32 84 00)
2. Samples of Mulch
3. Tree Stakes.
4. Tree and Plant Material Photographs
   a. There shall be at least one (1) photograph of each species of tree, shrub, succulent and ground cover to be planted
   b. All photographs shall be taken with a person/or a scale in each photo next to the plant
   c. Include with the photographs of all trees a notation of caliper, canopy width and height of each species of tree, If there are multiple boxes or gallon sizes of the same plant, include separate information for each container sized tree
   d. Before Contractor landscape submittal, Landscape Architect shall select and tag all trees. Notify the Landscape Architect two (2) months prior to planting trees in order to schedule selection and tagging all trees.

B. Site Visits: The Landscape Architect will make site visits to observe the irrigation and planting process. The Contractor shall give a minimum 48 hours advance notice before the requested visit.

1.03 GUARANTEES AND REPLACEMENTS: Refer to General Conditions.

A. Shrubs, Succulents and Groundcover: Guarantee shrubs until end of Maintenance Period.

B. Trees: Guarantee all trees to live in a healthy condition for one year after planting. Dead or unhealthy trees shall be replaced within 10 days after notification of Contractor by the Owner's Representative or the Landscape Architect.

C. Dead and Non-Vigorous Plants: As soon as weather permits, replace all dead plants and all plants not in a vigorous condition as noted at the end of the Maintenance Period.

D. Replacements: Plants used for replacement shall be the same kind and size as specified on the Planting Plan. They shall be furnished, planted, and fertilized as specified at no additional cost to the Owner.

PART 2 - PRODUCTS

2.01 MULCH

A. Mulch: Mulch shall be Forest Floor from Soil & Sod in Pacoima.. Samples shall be submitted to the Landscape Architect for approval.

2.02 STAKING MATERIAL:

A. Stakes: Stakes (if necessary) for trees shall be 2" diameter by 10'-0" long lodgepole stakes, actual dimension. Install stakes per Details in Construction Documents.

B. Ties: Ties shall be as per Details in Construction Documents.

2.03 PLANT MATERIALS:

A. Quality and Size:

1. Quality and size of all plants shall be No. 1 grade. They shall be fresh, vigorous, of normal growth, free of disease, insects, insect eggs and larvae, with strong root systems.

2. Sizes of plants shall be as stated on the planting plan. No root bound or undersized materials shall be allowed.

B. Pruning: Pruning shall not be done prior to delivery except by special approval of the Landscape Architect.

C. Inspection: Inspection of plant materials required by City, State, or Federal authorities shall be a responsibility of the Contractor, and he shall obtain permits or certificates prior to delivery of plants to site.

D. Plant Marking: Each plant shall be clearly marked with a waterproof tag as to its botanical name as required by California State Agricultural Laws.

2.04 PLANTING SOIL:

A. General: This project utilizes three distinct classes of imported soil as indicated in the Construction Documents and as outlined below. A good Class A Topsoil should be used as in the following definition. If necessary, the soil can be conditioned to help improve the physical soil properties.

B. "Suitable Reclaimed Soil":

1. Topsoil shall be free of roots, clods and stones larger have 1 inch (in the upper 8" of soil), pockets of coarse sand, noxious weeds such as nut grass roots and nodules, sticks, brush and other litter. It shall not be infested with nematodes or other undesirable insects or plant disease organisms and/or pathogens.

2. Topsoil shall be friable and have sufficient structure in order to give good tilth and aeration to the soil.

3. Gradation limits: Soil shall be a sandy loam, loam or clay loam. The definition of soil texture shall be per the USDA classification scheme. Gravel over ¼ inch in diameter shall be less than 20% by weight.

4. Permeability rate: Hydraulic conductivity rate shall be not less than one inch per hour nor more than 20 inches per hour when tested in accordance with the USDA Handbook Number 60, method 34b or other approved methods.

5. Fertility: Soil may need to be amended and conditioned to optimize plant growth.

6. Acidity: The soil pH range measured in the saturation extract (Method 21a, USDA Handbook Number 60) shall be 6.0 - 7.9.

7. Salinity: The salinity range measured in the saturation extract (Method 3a, USDA Handbook Number 60) shall be 0.5 - 2.5 dS/m.

2.05 JUTE MESH:

A. Jute matting shall be of hemp material which is heavy jute mesh of a uniform plain open weave of unbleached single jute yarn averaging 130 pounds per spindle. The yarn shall be of loosely twisted construction having an average twist of not less than 1.6 turns per inch and shall not vary in thickness of more than 1/2 its normal diameter. The jute mesh shall be furnished in approximately 90-foot rolls and shall be treated with a fire retardant material.

PART 3 - EXECUTION

3.01 SEQUENCE OF THE WORK:

A. Demolition of trees, surface improvements, etc.: Refer to Section 02 41 23, Demolition.

B. Cap existing irrigation main line and salvage irrigation heads and control valves: Refer to Section 32 84 00, Landscape Irrigation.

C. Site clearing and stripping of existing vegetation: Refer to Section 02 41 23, Demolition.

D. Removal and 85% recompaction of landscape planting areas as indicated in Construction Documents.

E. Rough grading to approximate finish grade, de-rock upper 8" for rocks and foreign material larger than ½" in size, removal of all underground irrigation systems in upper 12": Refer to Section 31 23 00, Excavation and Backfill.

F. Test soils to verify specified amendments are adequate for existing soil conditions: Refer to Section 32 93 00, Article 3.03A.

G. Install Irrigation System: Refer to Section 32 84 00, Landscape Irrigation.

H. Cross-rip upper 12" and de-rock upper 8" for rocks and foreign material larger than ½" in size and fine grade per Section 32 93 00, Article 3.02.

I. Install and/or adjust irrigation heads; make irrigation system operational; obtain approval of irrigation coverage test: Refer to Section 32 84 00, Landscape Irrigation.

J. Complete weed abatement (weed and kill process for eight (8) weeks): Refer to Section 32 93 00, Article 3.03.

K Prep and amend soil, including roto-tilling and fine grading: Refer to Section 32 93 00, Article 3.02.

L. Test soils to confirm specified amendments have been installed; re-amend as necessary: Refer to Section 32 93 00, Article 3.03.

M. Install all plant materials: Refer to Section 32 93 00, Article 3.04

N. Maintenance Period: Refer to Section 32 93 00, Article 3.11 – 3.13.

3.02 FINE GRADING:

A. Where any portion of the irrigation system is installed after grading and fertilizing has been performed, refill and re-fertilize the upper portion of the backfill as specified herein.

B. Fine Grading: Upon completion of rough and finished grading, perform the required fine grading of planting areas as follows:

1. Before and during preliminary fine grading, dig out and remove all weeds and grasses. Dispose of these and all items listed below off-site at Contractor's expense.

2. Remove all rocks and foreign matter larger than ½" in the upper 8" of soil.

3. Remove existing turf and roots plus 1" of soil below.

4. Do not work the soil when the moisture content is such that excessive compaction will occur, nor when the soil is so dry that clods will not break readily.

5. Apply water, if necessary, to provide ideal density for cross tilling and for planting.

6. Grade so as to anticipate or match the certified finished grades.
   a. Remove or redistribute excess soil before the application of fertilizer and mulch.
   b. Where the soil is to be replaced by plants and/or mulch, make allowance to prevent deficiency in the depth of mulch when final grading is completed.

C. Grades and Elevations: When soil preparation is completed, including weeding, and soil has dried so as to be readily worked, fine grading planting areas to elevations shown on Construction Documents.

1. Where grades are not otherwise indicated, provide uniform levels or slopes between points where elevations are given.

2. Make minor adjustments or grade where so requested by Landscape Architect.

3. Provide finished grades which are even, uniform and without abrupt change of surface.

4. Slope soil areas away from structures at 2% gradient minimum to allow natural runoff of water, regrade swale surfaces as required for a minimum 2% run-off, or as indicated on plans. Grade low spots and swales when the soil is at optimum moisture content for working.

5. Provide final finished grades in planter areas receiving shrubs and groundcover 2 inches below paving, curbs or top of walls, or as shown in the Construction Documents. Finished grade in concrete raised planter beds shall be 1" below waterproofing.

3.03 JUTE MESH:

A. Begin at the top of the slope by anchoring the jute mesh in 6" x 6" wide trench with a 6" steel staple every 12". Backfill and compact trench after stapling. Roll the blankets down the slope in the direction of the water flow. The edges of parallel rolls of jute mesh must be stapled with approximately a 2" overlap. When pieces must be spliced down the slope, place the pieces end over end (shingle style) with approximately 6" overlap. Staple through overlapped area approximately 12" apart. Also, put one (1) staple per square yard all along the roll. Jute mesh is to be installed on all slopes 3:1 and greater. Repair and stabilize all jute mesh installation that is disturbed during planting installation.

3.04 PLANTING:

A. Plant all materials as soon as site is available and weather conditions are suitable. Do not plant when weather conditions are unfavorable to good Work.

B. Shrub Installation:

1. Plant shrubs in areas as designated on the Drawings.

2. Grade shrub and ground cover areas 2" below top of walks and curb. Float to a smooth, uniform grade as shown on Drawings. All areas shall slope to drain.

3. Where no grades are shown, establish a smooth and continuous grade between existing or fixed controls such as walks, curbs, catch basins and elevations at steps or buildings. Roll, scarify, rake and level as necessary to make a true, even surface. All finish grades shall meet the approval of the Landscape Architect or Owner's Representative before installation of ground cover. All grades shall slope to drain.

4. Loosen soil to a depth of 12" in shrub area and grade to remove ridges and depressions. Remove stones and foreign matter over ½" in diameter from upper 8" of soil. Float areas to finish grade. Apply soil conditioners as specified above, mixing thoroughly into the soil to the depths indicated.

5. Do not pile soil around the crown of any plant. Smooth soil around plants and leave all areas in a neat and clean condition.

6. Water in with a light spray.

C. Tree Planting:

1. Trees shall be planted under site observation by the Landscape Architect. Contractor shall notify the Landscape Architect forty-eight (48) hours prior to the placing and planting of trees to arrange the date and time of the site visit.

2. Stake all plant locations and get approval before excavating pits, make necessary adjustments as directed. Excavate all one gallon and larger plant pits to dimensions shown below.

3. Excavate pits for all plants as shown on the planting details. Tree pits shall be of such a depth that after planting and settling, the crown of the plant shall be at or slightly above its original line of grade and the ball shall sit on compacted soil. The following are minimum sizes for shrub and tree pits:

   a. 1 gallon plants: 12" diameter hole, depth per detail.
   b. 5 gallon plants: 24" diameter hole, depth per detail.
   c. 15 gallon plants: 30" diameter hole, depth per detail.
   d. Boxed trees shall be twice the width of the root ball or a minimum of one foot all around, whichever is greater.

4, Compact backfill in bottom of pit and tamp firmly. Set plants in center of pits in vertical position so that the soil level of the crown of the plant is flush with or slightly higher than the finish grade after the soil has settled. Backfill with prepared soil mix as described above.

5. Form a shallow basin around the edge of tree ball by depressing the soil slightly below the finish grade. Do not raise basin rims above general finished grade. Keep basin within the edges of the tree ball.

6. Apply root hormone to each tree as follows:

   a. Construct tree basins at rim or outer edge of the tree ball so that the water will stay on the top of the ball.

   b. Tree balls shall be set in their pits and shall be mulched immediately.

   c. Apply a second feeding of root hormone in the same manner and amount as above during the maintenance period or within 30 days after the tree is planted, whichever is longer.

3.05 MULCHING:

A. Apply mulch to all planting areas to a depth of three inches (2"). Mulch shall not be piled up on plant stems and trunks.

3.06 GRADING:

A. Grade areas around plants to finish grades and dispose of excess soil off the site.

3.07 PRUNING:

A. Prune plants as directed by the Landscape Landscape Architect or Owner's Representative following standard horticultural practice as outlined by the International Society of Arboriculture (ISA) – *Tree Pruning Guidelines.*

3.08 STAKING:

A. Double stake or single stake all trees as shown on Drawings and details with stakes on the windward side of trees. Tie stakes so as to avoid abrasion of the tree. All nursery stakes and ties shall be removed after planting.

3.09 INSPECTION, START OF MAINTENANCE:

A. Inspection: An inspection shall be made of all planted areas by the Owner's Representative or by the Landscape Architect when the landscape installation is complete. The maintenance period will begin after approval by the Owner's Representative or the Landscape Architect. Contractor shall give at least 7 days' notice in advance of the inspection time.

B. Maintenance Period:

   1. The 90 days Maintenance Period begins at the end of the substantial construction completion date for the entire project.

   2. The Maintenance Period shall be 90 days.

3.10 MAINTENANCE:

A. Maintenance:

1. Before the start of the 90 days Maintenance Period, the Contractor is responsible for maintaining the installation. This period of maintenance responsibility is not part of the 90 day Maintenance Period that begins when the entire project is installed, inspected, and approved for "Start of Maintenance." If the Contractor fails the final inspection, the 90 days Maintenance Period will begin when the Owner's Representative and the Landscape Architect are satisfied that the project is ready for "Start of Maintenance."

2. If the Maintenance Period is extended beyond the 90 days time because of rejection by the Owner's Representative or by the Landscape Architect, or for whatever reason, then the entire installation will remain the responsibility of the Contractor unless otherwise determined by the Owner's Representative.

3. The year's guarantee of the trees begins at the end of the Maintenance Period. Any rejected material shall be replaced and the 90 days Maintenance Period shall be started from that time for the replaced material only.

4. Maintain trees and plants in a vigorous, thriving condition by watering, mowing, cultivating, pruning, spraying, and any other necessary operation. Keep all shrubs free of weeds. Remove weed roots and stolons from the soil before planting and as necessary after planting.

5. Maintain all planting areas by watering, weeding, replanting, and other necessary operations. Keep planting areas free from weeds by removing roots and stolons and keeping the area in a clean and acceptable condition through the end of the Maintenance Period.

6. Maintain entire landscape planting areas, paving areas, including sidewalks in the public right-of-way, and gutters on Broadway, Hill and First Streets free of debris, papers and graffiti. Graffiti shall be removed within 24 hours of notification.

3.11 CLEAN-UP:

A. Upon completion of all construction and before final acceptance, the Contractor shall broom clean entire paved area. All tools, surplus materials, equipment, debris, and rubbish shall be removed from the site and the site shall be left in a clean, neat condition such as to meet the approval of the Owner's Representative and/or the Landscape Architect.

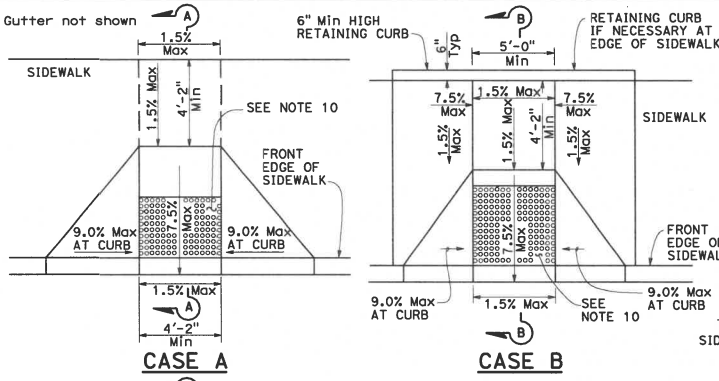
END OF SECTION

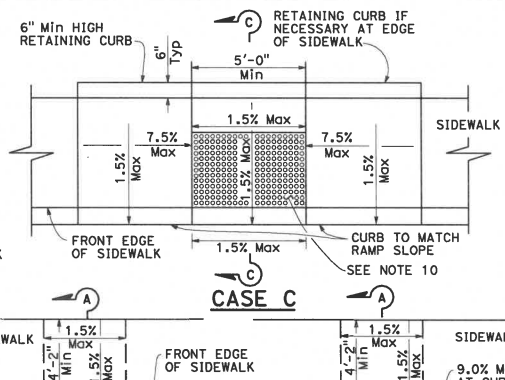
APPENDIX “C”

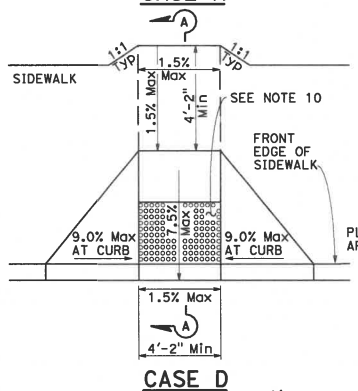
EXHIBIT A – CURB RAMPS LIST

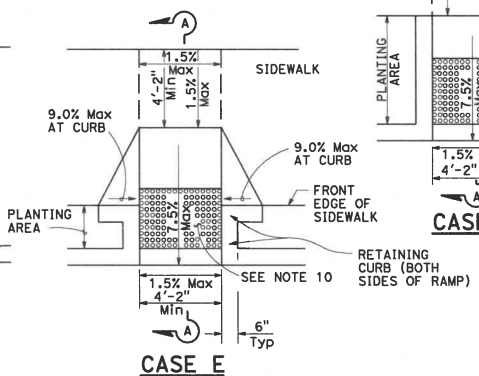
Curb Ramps List

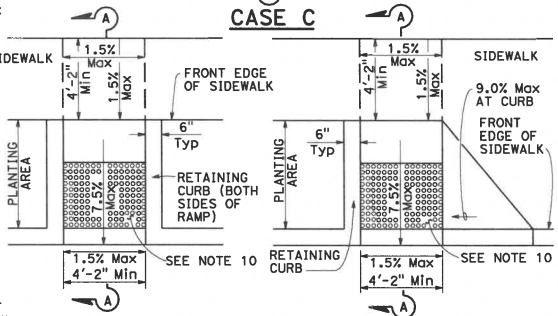
	Location	Case Types per Caltrans Revised Standard Plan RSP A88A	Notes
1	Lois St/Rose Ave, N/E corner	CASE C	Sawcut along the flowline.
2	Lois St/Greenwood Ave, S/E corner	CASE C	Replace curb and gutter and adjacent AC. Replace the centerline tie marker.
3	Park Pl/Rose Ave, N/W corner	CASE C	Sawcut along flowline.
4	Park Pl/Greenwood Ave, S/W corner	CASE B	Replace the curb and gutter. Replace adjacent AC.

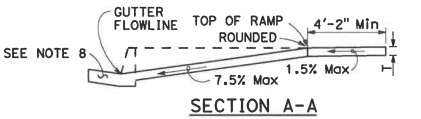


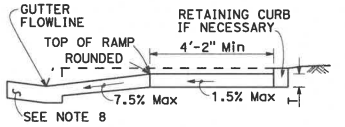


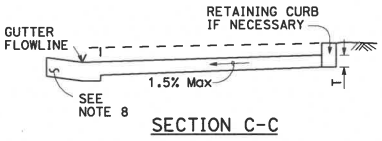


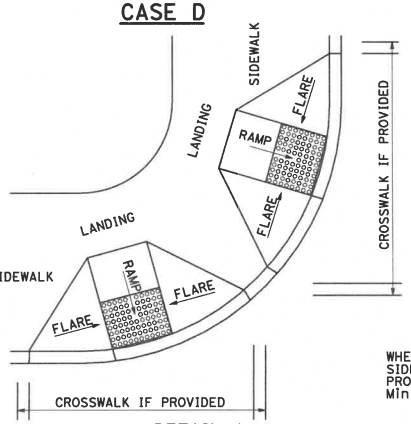




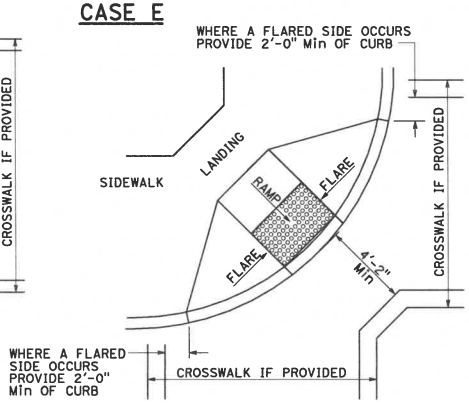




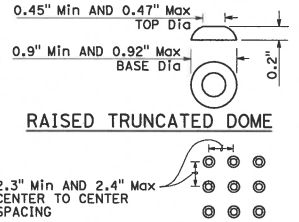




DETAIL A
TYPICAL TWO-RAMP CORNER INSTALLATION
See Note 1



DETAIL B
TYPICAL ONE-RAMP CORNER INSTALLATION
See Notes 1 and 3

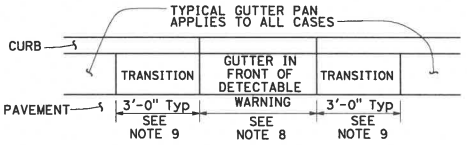


RAISED TRUNCATED DOME PATTERN (IN-LINE)

DETECTABLE WARNING SURFACE

NOTES: See Note 10

1. As site conditions dictate, Case A through Case G curb ramps may be used for corner installations similar to those shown in Detail A and Detail B. The case of curb ramps used in Detail A do not have to be the same. Case A through Case G curb ramps also may be used at mid block locations, as site conditions dictate. For specific site condition configuration, including the conform to existing sidewalk, see Project Plans.
2. If distance from curb to back of sidewalk is too short to accommodate ramp and 4'-2" platform (landing) as shown in Case A, the sidewalk may be depressed longitudinally as in Case B or C or may be widened as in Case D.
3. When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
4. As site conditions dictate, the retaining curb side and the flared side of the Case G ramp shall be constructed in reversed position.
5. The ramp portion of the curb ramp is a typical rectangle, unless modified in the Project Plans.
6. Side slope of ramp flares vary uniformly from a maximum of 9.0% at curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.
7. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.
8. Counter slopes of adjoining gutters and road surfaces immediately adjacent to and within 24 inches of the curb ramp shall not be steeper than 1V:20H (5.0%). Gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.
9. Transition gutter pan slope from 1" of depth for each 2'-0" of width to match typical gutter pan slope per Standard Plan A87A.
10. The detectable warning surface will be a rectangle as shown at back of curb, unless modified in the Project Plans. Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. Detectable warning surfaces shall extend the full width of the ramp except a maximum gap of 1 inch is allowed on each side of the ramp. Detectable warning surfaces shall conform to the requirements in the Standard Specifications.
11. Sidewalk and ramp thickness "T", shall be 3½" minimum.
12. Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.
13. Detectable warning surface may have to be cut to allow removal of utility covers while maintaining detectable warning width and depth.



GUTTER PAN TRANSITION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

August 1, 2022
PLANS APPROVAL DATE

Rebecca Lynn Mowry No. C54415 Exp. 12-31-23 CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS

NO SCALE

A88A

2022 STANDARD PLAN A88A

6-24-22

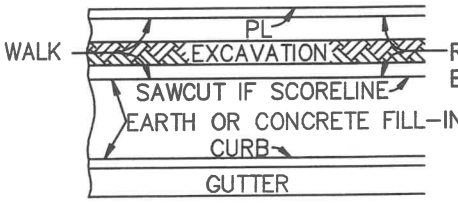
APPENDIX “D”

Standard Drawings- Sidewalk, Curb Ramps, Curb and Gutter

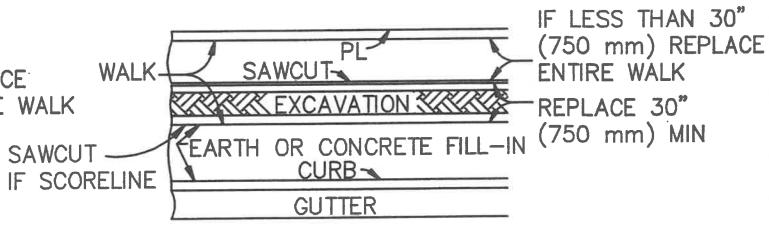
WALK OR FILL–IN REPLACEMENT FOR EXCAVATIONS MADE PARALLEL TO CURB OR PROPERTY LINE

WALK ADJACENT TO PROPERTY LINE

WALK LESS THAN 5' (1500 mm) WIDE

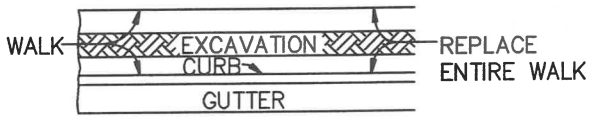


WALK 5' (1500 mm) WIDE OR MORE

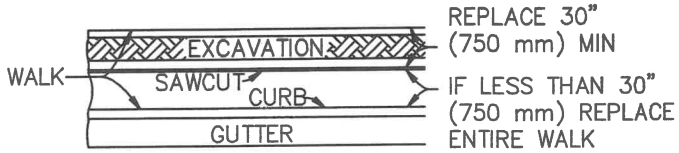


WALK ADJACENT TO CURB

WALK LESS THAN 5' (1500 mm) WIDE

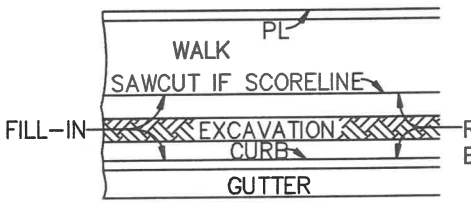


WALK 5' (1500 mm) WIDE OR MORE

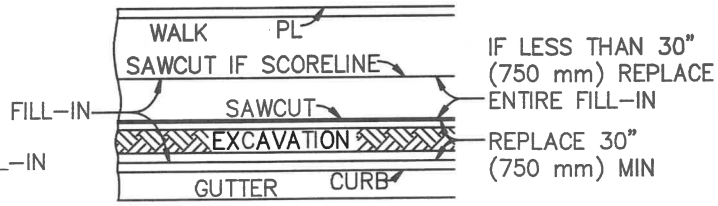


FILL–IN REPLACEMENT

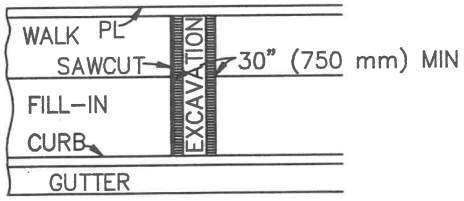
FILL–IN LESS THAN 5' (1500 mm) WIDE



FILL–IN 5' (1500 mm) WIDE OR MORE



WALK OR FILL–IN REPLACEMENT FOR EXCAVATIONS MADE NORMAL TO CURB OR PROPERTY LINE



THESE REQUIREMENTS ALSO APPLY TO ENDS OF PARALLEL EXCAVATIONS.

IF AN EXCAVATION FALLS WITHIN 30" (750 mm) OF AN EXPANSION JOINT, CONSTRUCTION JOINT, WEAKENED PLANE JOINT, OR EDGE, THE CONCRETE SHALL BE REMOVED AND REPLACED TO THE JOINT OR EDGE.

IF AN EXCAVATION FALLS WITHIN 12" (300 mm) OF A SCORELINE, THE CONCRETE SHALL BE REMOVED AND REPLACED TO THE SCORELINE. THE SCORELINE SHALL BE SAWCUT BEFORE CONCRETE REMOVAL.

THE MINIMUM LENGTH OF REPLACEMENT IN BOTH CASES SHALL BE 30" (750 mm).

NOTES

1. CONCRETE WALK, FILL–IN AND DRIVEWAYS REMOVED IN CONNECTION WITH CONSTRUCTION SHALL BE REPLACED TO NEATLY SAWED EDGES. ALL CUTS SHALL BE PARALLEL TO OR PERPENDICULAR TO THE CURB; ON CURVES, THE CUT SHALL BE RADIAL TO THE CURB.

2. DRIVEWAY APRONS IN WHICH THE "W" DISTANCE IS LESS THAN 11' (3300 mm) SHALL BE REPLACED IN THEIR ENTIRETY IF CUT IN ANY AREA.

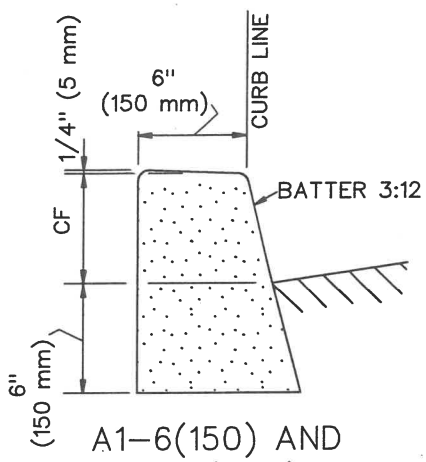
3. DRIVEWAY APRONS IN WHICH THE "W" DISTANCE IS 11' (3300 mm') OR MORE MAY BE CUT WITHIN THE "W" SECTION. THE MINIMUM REPLACEMENT SHALL BE 30" (750 mm) IN LENGTH. THE MINIMUM DISTANCE ALLOWED BETWEEN SUCH CUTS SHALL BE 14' (4200 mm').

4. DRIVEWAY APRONS IN WHICH THE "W" DISTANCE IS 11' (3300 mm) OR MORE MAY BE CUT IN THE "X" OR "R" SECTION. REPLACEMENT SHALL BE THE ENTIRE "X" OR "R" SECTION.

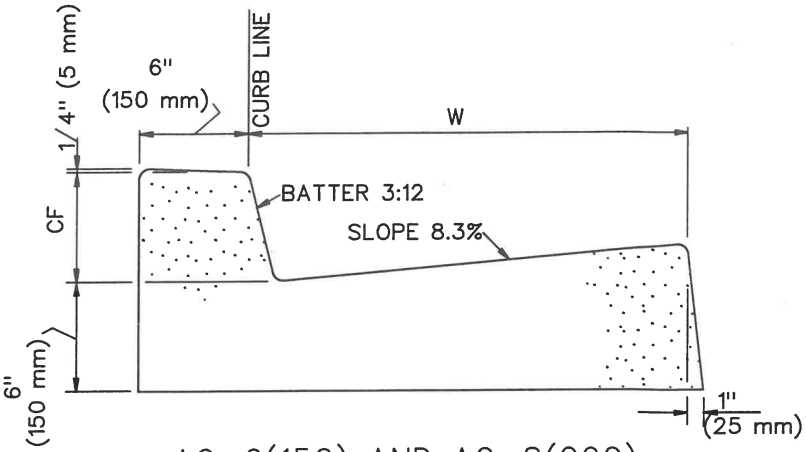
5. DRIVEWAY APRONS SHALL BE REPLACED FROM THE BACK OF THE CURB TO THE FRONT EDGE OF THE WALK, EXCEPT, WHERE WALK IS ADJACENT TO CURB, REPLACEMENT SHALL BE FROM BACK OF CURB TO BACK OF WALK.

6. WALK PORTIONS OF DRIVEWAYS SHALL BE REPLACED AS SHOWN ABOVE FOR EXCAVATIONS MADE PARALLEL OR NORMAL TO CURB.

7. REPLACEMENT OF THE "X" OR "R" SECTION SHALL MATCH EXISTING CONSTRUCTION.



A1–6(150) AND
A1–8(200)



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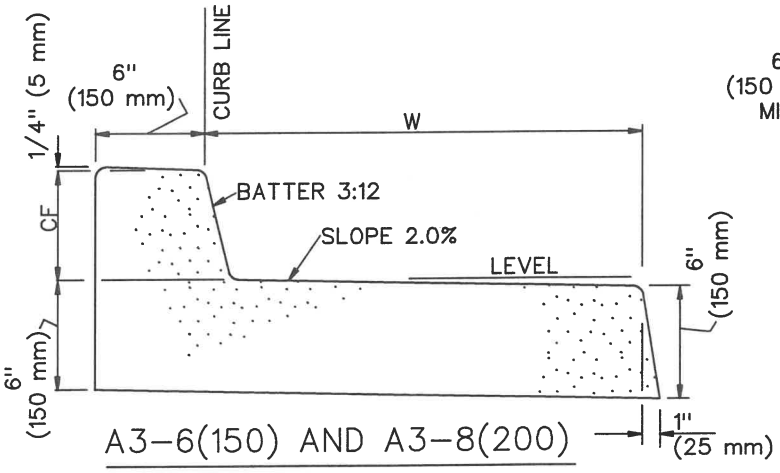

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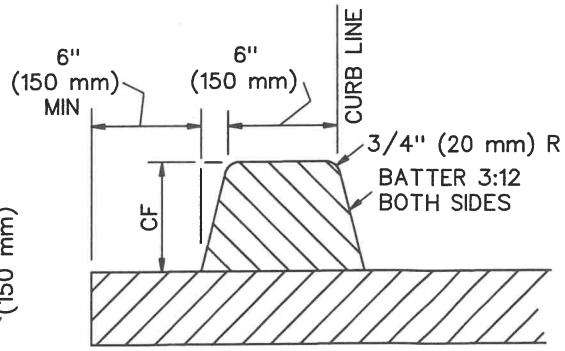
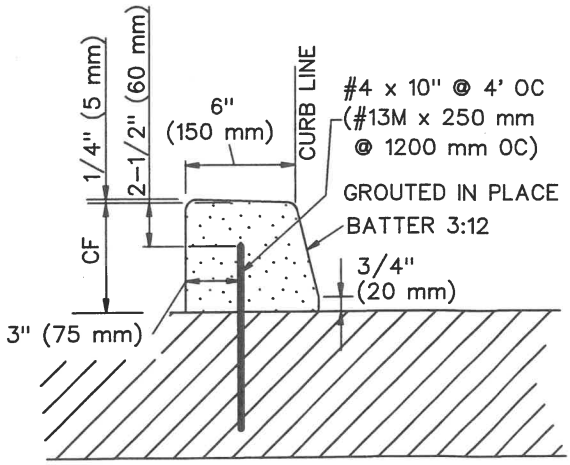


D1–6(150) AND
D1–8(200)

NOTES:

1. THE LAST NUMBER IN THE DESIGNATION IS THE CURB FACE (CF) HEIGHT, INCHES (mm). IF SHOWN AS 'VAR' THE CURB FACE VARIES.
2. GUTTER WIDTH, W, IS 24" (600 mm) UNLESS OTHERWISE SPECIFIED.
3. TYPES A1, A2, A3 AND C1 SHALL BE CONSTRUCTED OF CONCRETE.
4. TYPE D1 CURB SHALL BE CONSTRUCTED OF ASPHALT CONCRETE.
5. TYPE C1 CURB SHALL BE ANCHORED WITH STEEL DOWELS AS SHOWN OR WITH AN EPOXY APPROVED BY THE ENGINEER.
6. ALL EXPOSED CORNERS ON CONCRETE CURBS AND GUTTERS SHALL BE ROUNDED WITH A 1/2" (15 mm) RADIUS.



C1–6(150) AND C1–8(200)

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
1984
REV. 1986, 2009, 2021

CURB AND GUTTER – BARRIER

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN
120–3
SHEET 1 OF 1

APPENDIX “E”

CONSTRUCTION/DEMOLITION RECYCLING PLAN

CONSTRUCTION/DEMOLITION RECYCLING PLAN

According to a Calrecycle Solid Waste Characterization Study completed in 2014, construction and demolition (C&D) materials are estimated to account for between 21.7 to 25.5 percent of the disposed waste stream. Previous study estimates have ranged from 29 percent in 2008 to 24 percent in 2004.

In 2011, the State Legislature passed the California Green Building Standards Code (CALGreen), which required recycling diversion of construction waste during most construction projects. Effective January 1, 2017, in all jurisdictions including those without a C&D ordinance requiring the diversion of 65 percent of construction waste, the owners/builder of construction projects within the covered occupancies will be required to divert 65 percent of the construction waste materials generated during the project. The code also allows a disposal reduction option that can be met when the project's disposal rate is less than 2 lbs. per square foot for non-residential and high rise residential or less than 3.4 lbs. per square foot for low-rise residential.

In pursuant to this Act, The City of La Habra required that in issuing construction/demolition permits, each applicant must prepare a plan for how inert solid wastes that are generated during a project will segregate recycled. This plan should include the expected type of material generated and the location where material is to be disposed and /or recycled. The developer is also required to provide documentation at the completion of the project of the quantity and types of waste disposed and diverted, and the destination of those diverted materials including materials reused on site using the Construction/Demolition Recycling Report.

If the project does not generate sufficient materials to warrant the recycling process of material, a report must still be submitted stating so. Types and quantities generated shall be listed as well as where such materials are hauled and by whom.

Construction/Demolition Recycling Reports shall be signed by both the property owner and the contractor after completion of the project and prior to issuance of certificate of occupancy.

If you have any questions, please contact the Public Works Department Recycling Coordinator at (562) 383-4170.

CONSTRUCTION/DEMOLITION RECYCLING REPORT - PART 1 OF 2
(To be completed **before** project completion)

Owner Name:_____ Owner Address:_____

Contact Person Name:_____ Phone Number:_____

Property Address:_____

Description of Project: _____

_____

Anticipated materials removed from property:_____

_____

Location where waste materials will be hauled:_____

Location where recyclable materials will be recycled:_____

Material	Total Amount Recycled (lbs.)	Total Waste Generated (lbs.)
Concrete		
Asphalt		
Wood		
Dirt		
Other: _____		
Other: _____		
TOTAL	**TOTAL:**	**TOTAL:**

We the undersigned swear that the information herewith submitted is in all respects true and correct to the best of our knowledge.

Contractor_____ _____
Signed Date

Property Owner _____ _____
Signed Date

For a list of local recyclers, please find attached list of recycling facilities or contact the Public Works Department Recycling Coordinator at (562) 383-4170

For Office Use Only

Plan Approved Yes No Date _____

Signed _____

CONSTRUCTION/DEMOLITION RECYCLING REPORT - PART 2 OF 2
(To be completed **after** project completion)

Owner Name:_____ Owner Address:_____

Contact Person Name:_____ Phone Number:_____

Property Address:_____

Description of Project: _____

_____

_____

Anticipated materials removed from property:_____

_____

Location where materials will be hauled:_____

Location where materials will be recycled:_____

Material	Total Amount Recycled (lbs.)	Total Waste Generated (lbs.)
Concrete		
Asphalt		
Wood		
Dirt		
Other: _____		
Other: _____		
TOTAL	**TOTAL:**	**TOTAL:**

We the undersigned swear that the information herewith submitted is in all respects true and correct to the best of our knowledge.

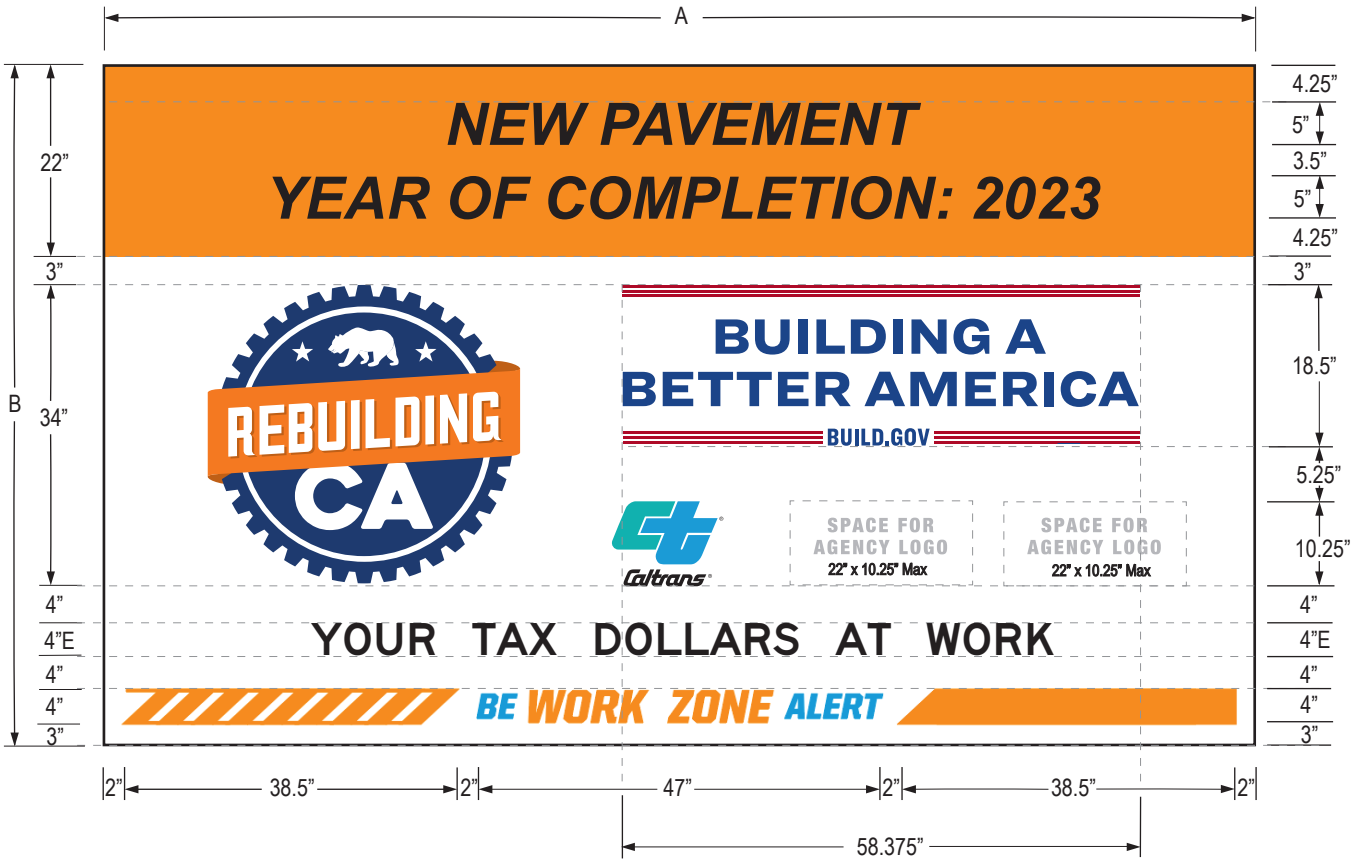
Contractor_____ _____
Signed Date

Property Owner _____ _____
Signed Date

Please re-submit completed form to Public Works, either by email at jhenderson@lahabraca.gov or mail to:

City of La Habra Public Works Department
621 W. Lambert Rd.
La Habra, CA 90631

APPENDIX “F”
CONSTRUCTION PROJECT SIGN



C50B(CA)

NOTES:

1. Provided dimensions are for the 132"x78" sign panel.
   For the 96"x60" sign panel, multiply each horizontal dimension of the 132"x78" sign panel by approximately 0.728 and each vertical dimension by approximately 0.769. Adjust spacing as needed.
   For the 48"x30" sign panel, multiply each horizontal dimension of the 132"x78" sign panel by approximately 0.364 and each vertical dimension by approximately 0.385. Adjust spacing as needed.
2. See Special Provisions for project description and year of completion. Specify when ordering.
3. CT logo and/or Local Agency logo(s) placement and spacing can be adjusted as needed.

ENGLISH UNITS (inches)

A	B
132	78
96	60
48	30

ALTERNATE PROJECT DESCRIPTION (LINE 1)

NEW PAVEMENT
NEW CARPOOL LANE
BRIDGE MAINTENANCE
BRIDGE RESTORATION
NEW BIKING/WALKING PATHS
BROADBAND INSTALLATION
IMPROVED DRAINAGE SYSTEM

COLORS:
LEGEND - BLACK (ARIAL BOLD ITALIC IN HEADER)
BACKGROUND - WHITE AND FLUORESCENT ORANGE
SEE VECTOR GRAPHIC FILES FOR "REBUILDING CA" AND "BIPARTISAN INFRASTRUCTURE LAW" LOGOS
CT LOGO: PANTONE #299 BLUE AND PANTONE #326 TURQUOISE
BE WORK ZONE ALERT RIBBON: PANTONE #299 BLUE AND ORANGE
ALL COLORS TO BE RETROREFLECTIVE, EXCEPT FOR BLACK

Grant Administration Guide
for the

California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access for All Act of 2018

COMPETITIVE GRANT PROGRAMS

September 2020

State of California
The Natural Resources Agency
Department of Parks and Recreation
Office of Grants and Local Services (OGALS)

"Creating Community through People, Parks, and Programs"

Send correspondence to:

Street Address for Overnight Mail:
Calif. Dept. of Parks and Recreation
Office of Grants and Local Services
1416 Ninth Street, Room 918
Sacramento, CA 95814

Mailing Address:
Calif. Dept. of Parks and Recreation
Office of Grants and Local Services
P.O. Box 942896
Sacramento, CA 94296-0001

Phone: (916) 653-7423

Website: http://www.parks.ca.gov/grants

STATE OF CALIFORNIA
DEPARTMENT OF PARKS AND RECREATION

Department Mission

The mission of the California Department of Parks and Recreation is to provide for the health, inspiration, and education of the people of California by helping to preserve the state's extraordinary biological diversity, protecting its most valued natural and cultural resources, and creating opportunities for high-quality outdoor recreation.

Community Engagement Division Mission

The mission of the Community Engagement Division is to encourage healthy communities by connecting people to parks, supporting innovative recreational opportunities, embracing diversity, fostering inclusivity, and delivering superior customer service, with integrity for the enrichment of all.

The Office of Grants and Local Services Mission

The mission of the Office of Grants and Local Services is to address California's diverse recreational, cultural and historical resource needs by developing grant programs, administering funds, offering technical assistance, building partnerships and providing leadership through quality customer service.

OGALS VISION GOALS

To Be:

- A leader among park and recreation professionals.
- Proactive in anticipating public park and recreation needs and how new legislation and grant programs could best meet these needs.
- Honest, knowledgeable and experienced grant administration facilitators.
- Sensitive to local concerns while mindful of prevailing laws, rules and regulations.
- Perceptive to opportunities for partnerships, growth and renewal where few existed before.
- Committed to providing quality customer service in every interaction and transaction.
- Responsive to the needs of applicants, grantees, nonprofit organizations, local governments, legislative members, and department employees.

TABLE OF CONTENTS

GRANT PROCESS 2

Projects Involving Acquisition 3
Eligible Acquisition Costs 3
Development Projects 4
Eligible Development Costs 4
Funding Sources Form 6
CEQA Compliance Certification 7

SPECIAL REQUIREMENTS 8

Greenhouse Gas Emissions Reduction and Carbon Sequestration 8
Status Report 9
Bond Act Sign 11
Deed Restriction 12
Three-Bid Process 16
Fidelity Bond 17

GRANT PAYMENTS 18

Rural Recreation Tourism Match 19
Payment Request Form 21
Grant Expenditure Form 22
Project Completion Packet 23

COMPETITIVE GRANT PROGRAM CONTRACT 28

ACCOUNTING AND AUDITS 35

Accounting Requirements 35
Audit Checklist 36
Definitions 37

Words and terms shown in SMALL CAPS are found in the definitions section.

Bond Act Sign
A sign acknowledging the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access for All Act of 2018 as the funding source for the project must be installed during construction and at completion (PRC §80001(b)(3)). If appropriate, the same sign can be used during construction and completion.

Sign requirements
The sign must be available during construction, at the final inspection of the PROJECT, and remain in place for a minimum of four (4) years from date of PROJECT completion. There is no minimum or maximum size other than the minimum size for the logo, as long as the sign contains the required wording.

Sign Language
All signs must contain the following language:

GAVIN NEWSOM, GOVERNOR

Wade Crowfoot, Secretary for Natural Resources

Armando Quintero, Director, California Department of Parks and Recreation

Use the names of the current officials. The name of the director of the local agency or other governing body may be added. The sign may also include names (and/or logos) of other partners, organizations, individuals and elected representatives.

Logo
All signs must display the Parks and Water Bond Act logo (shown on the cover of this guide). Display the logo to maximize visibility and durability. Download the logo at https://resources.ca.gov/grants/Grant-Program-Resources, click on the logo artwork section. Each edge of the logo must be a minimum of 24″ x 24″. Exceptions may be approved, when appropriate, at OGALS' discretion.

Sign Construction
All materials used shall be durable and resistant to the elements and graffiti.

Sign Cost
The cost of the sign(s) is an eligible PROJECT cost. Permanent signage is encouraged.

Appropriateness of Signs
For projects where the required sign may be out of place or affected by local sign ordinances, OGALS may authorize a sign that is more appropriate to the project.

State Approval
GRANTEE shall submit the proposed number, locations, size, and language of signs for preliminary review. Final payments will not be processed until post completion signage has been approved and installed.

EXHIBIT B
INSURANCE REQUIREMENTS

Contractor shall maintain and shall require all of its subcontractors, consultants, and other agents to maintain the insurance listed below. Any requirement for insurance to be maintained after completion of the work shall survive this agreement.

CITY reserves the right to review any and all of the required insurance policies and/or endorsements, but has no obligation to do so. Failure to demand evidence of full compliance with the insurance requirements set forth in this agreement or failure to identify any insurance deficiency shall not relieve Contractor from, nor be construed or deemed a waiver of, its obligation to maintain the required insurance at all times during the performance of this agreement.

A. Workers Compensation & Employers Liability Insurance

- Workers Compensation insurance with statutory limits as required by the Labor Code of the State of California.
- Employers Liability with limits of $1,000,000 per Accident; $1,000,000 Disease per employee; $1,000,000 Disease per policy.
- The policy shall include a written waiver of the insurer's right to subrogate against CITY.
- Required Evidence Of Coverage:
    1. Subrogation waiver endorsement; and
    2. Properly completed Certificate of Insurance.

B. General Liability Insurance

- Commercial General Liability Insurance no less broad than Insurance Services Office (ISO) form CG 00 01.
- Coverage shall be on a standard occurrence form. Claims-Made forms are not acceptable without prior written consent. Modified, limited or restricted Occurrence forms are not acceptable without prior written consent.
- Minimum Limits: $2,000,000 per Occurrence; $4,000,000 General Aggregate; $4,000,000 Products/Completed Operations Aggregate. The General Aggregate shall apply separately to each project. The required limits may be provided by a combination of General Liability Insurance and Commercial Excess or Umbrella Liability Insurance. If contractor maintains higher limits than the specified minimum limits, CITY requires and shall be entitled to coverage for the higher limits maintained by contractor.
- Any deductible or self-insured retention shall be shown on the Certificate of Insurance. If the deductible or self-insured retention exceeds $25,000 it must be approved in advance by CITY. Contractor is responsible for any deductible or self-insured retention and shall fund it upon CITY'S written request, regardless of whether Contractor has a claim against the insurance or is named as a party in any action involving CITY.
- Coverage shall be continued for one (1) year after completion of the work.
- CITY shall be endorsed as an additional insured for liability arising out of ongoing and completed operations by or on behalf of the contractor. CITY shall continue to be an additional insured for completed operations for (1) year after completion of the work.
- The policy definition of "insured contract" shall include assumptions of liability

arising out of both ongoing operations and the products-completed operations hazard ("f" definition of insured contract in ISO form CG 00 01, or equivalent).

- The insurance provided to the additional insureds shall be primary to, and non-contributory with, any insurance or self-insurance program maintained by them.
- The policy shall cover inter-insured suits and include a "Separation of Insureds" or "severability" clause which treats each insured separately.
- The policy shall be endorsed to include a written waiver of the insurer's right to subrogate against all persons or entities that are, or are required to be, additional insureds.
- The policy shall not contain a Contractors' Warranty or other similar language which eliminates or restricts insurance because of a subcontractor's failure to carry specific insurance or to supply evidence of such insurance.
- Required Evidence of Coverage:
    1. Copy of the additional insured endorsement or policy language granting additional insured status;
    2. Copy of the endorsement or policy language indicating that coverage applicable to the additional insureds is primary and non-contributory;
    3. Properly completed Certificate of Insurance; and
    4. Completed and signed Agent/Broker Questionnaire with supporting documentation as required.

C. Automobile Liability Insurance

- Minimum Limit: $1,000,000 combined single limit per accident.
- Coverage shall apply to all owned, hired and non-owned vehicles.
- CITY shall qualify as an insured.
- Required Evidence of Coverage:
    1. Copy of the endorsement or policy language indicating that CITY is an insured; and
    2. Properly completed Certificate of Insurance.

D. Surety Bonds

- Bid bond.
- Performance and payment bonds for the entire contract price.
- The surety must be authorized to issue these bonds in the State of California.

E. Standards for Insurance Companies

- Insurers, other than the California State Compensation Insurance Fund, shall have an A.M. Best's rating of at least A:VII.

F. Documentation

- The Certificate of Insurance shall include the following reference: [WOMEN'S CLUB PARK PROJECT, CITY PROJECT No. 1-P-22]
- The name and address for Additional Insured endorsements and Certificates of Insurance is: City of La Habra
- Contractor shall provide immediate written notice if: (1) any of the required

insurance policies is terminated; (2) the limits of any of the required policies are reduced; or (3) the deductible or self-insured retention is increased.

- Current Evidence of Coverage shall be provided for the entire required period of insurance.
- Upon written request, certified copies of required insurance policies shall be provided within thirty (30) days.

City Project No. 1-P-22

EXHIBIT C

CERTIFICATES OF INSURANCE AND ENDORSEMENTS

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 04/22/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Capital Providers Insurance License #0H52316 20750 Ventura Blvd., Ste 305 Woodland Hills CA 91364	PHONE (A/C, No, Ext): (818) 676-0016	FAX (A/C, No): (818) 676-0015
	E-MAIL ADDRESS: Certs@cpisgroup.com	

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
Micon Construction Inc 1616 Sierra Madre CIR Placentia CA 92870	INSURER A : Associated Industries Insurance Company	23140
	INSURER B : Scottsdale Insurance Company	41297
	INSURER C : Palomar Specialty Insurance Com	20338
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** 23 24 GL/XS/WC **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	[X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [X] POLICY [ ] PRO-JECT [ ] LOC [ ] OTHER:	Y	Y	AES119429803	05/10/2023	05/10/2024	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 100,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
	AUTOMOBILE LIABILITY [ ] ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS [ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
B	[ ] UMBRELLA LIAB [X] OCCUR [X] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [ ] RETENTION $	Y	Y	XLS2001962	05/10/2023	05/10/2024	EACH OCCURRENCE AGGREGATE	$ 2,000,000 $ 2,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N [ ] If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	Y	PSIC0701350701	12/21/2023	12/21/2024	[X] PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Women's Club Park Project City Project No. 1-P-22

The City of La Habra, its officers, employees, representatives, attorneys, and volunteers are included as an additional insured on the general liability policy, with waiver of subrogation, primary & non-contributory, & completed operations with respect to the operations of the named insured per attached endorsement. Waiver of subrogation applies to the workers compensation policy with respect to the operations of the named insured per attached endorsement. Umbrella policies follows form for the underlying policies with respect to the operations of the named insured per attached endorsement.

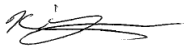
CERTIFICATE HOLDER

City of La Habra
110 E. La Habra Blvd.
La Habra CA 90631

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name of Additional Insured Person(s) or Organization(s):	Location and Description of Completed Operations
All persons or organizations where written contract with the Named Insured requires additional insured completed operations coverage. This form does not apply to your work on "residential property".	Any location where you perform work for such additional insured
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

 © ISO Properties, Inc., 2004

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location(s) Of Covered Operations
All persons or organizations where required by written contract with the Named Insured	Any location where you perform work for such additional insured
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. **Section II – Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or

2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or

2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

 © ISO Properties, Inc., 2004 ☐

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NON-CONTRIBUTING INSURANCE (THIRD-PARTY)

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Third Party: All persons or organizations where required by written contract with the Named Insured

(Absence of a specifically named Third Party above means that the provisions of this endorsement apply as required by written contractual agreement with any Third Party for whom you are performing work.)

Paragraph **4.** of **SECTION IV: COMMERCIAL GENERAL LIABILITY CONDITIONS** is replaced by the following:

4. Other Insurance:

With respect to the Third Party shown above, this insurance is primary and non-contributing. Any and all other valid and collectable insurance available to such Third Party in respect of work performed by you under written contractual agreements with said Third Party for loss covered by this policy, shall in no instance be considered as primary, co-insurance, or contributing insurance. Rather, any such other insurance shall be considered excess over and above the insurance provided by this policy.

Includes copyrighted material of Insurance Services Office, Inc., with its permission

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Person Or Organization:
1. All persons or organizations where required by written contract with the Named Insured
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The following is added to Paragraph **8. Transfer Of Rights Of Recovery Against Others To Us** of **Section IV – Conditions:**

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only to the person or organization shown in the Schedule above.

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WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT–CALIFORNIA

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

You must maintain payroll records accurately segregating the remuneration of your employees while engaged in the work described in the Schedule.

Blanket Waiver: The additional premium for this endorsement shall be 2% of the California workers' compensation premium otherwise due on such remuneration.

Specific Waiver: The additional premium for this endorsement shall be 5% of the California workers' compensation premium otherwise due on such remuneration.

Schedule

Person or Organization	Job Description
Blanket Waiver of Subrogation	As respects to all CA jobs performed by the named insured during the policy period where by written contract a waiver of subrogation is required prior to the commencement of work.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.
(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective: 12/21/2023 Policy No.: PSIC07013507 - 01 Endorsement No.:
Insured Micon Construction, Inc. Insurance Company Palomar Specialty Insurance Company

Countersigned By _____

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 04/22/24

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
GERALD B HIER INSURANCE AGENCY 309 N. Euclid Avenue Upland, CA 91786 License #:0748267	PHONE (A/C, No, Ext): (800)300-1922	FAX (A/C, No): (800)553-2774
	E-MAIL ADDRESS: jessie.ghier@farmersagency.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Mid-Century Insurance Company	21687
INSURED Micon Construction, Inc 1616 Sierra Madre Circle Placentia CA 92870	INSURER B : Truck Insurance Exchange	21709
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☐ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC OTHER:	X					EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ $ $ $ $ $
A	AUTOMOBILE LIABILITY ANY AUTO ☒ OWNED AUTOS ONLY ☒ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY			60358-49-68	07/20/23	07/20/24	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
	UMBRELLA LIAB ☐ OCCUR EXCESS LIAB ☐ CLAIMS-MADE DED ☐ RETENTION $						EACH OCCURRENCE AGGREGATE	$ $
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N ☐ (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A					PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ $ $
B	Hired Auto Physical Damage			603584968	07/20/23	07/20/24	Limit	$50,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

City of La Habra its officers, employees, representatives, attorneys, and volunteers are named as additional insured

Project: Women's Club Park Project
City Project No. 1-P-22

CERTIFICATE HOLDER

City of La Habra
110 E. La Habra Blvd.
La Habra, CA 90631

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Jessie Kenny

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POLICY NUMBER: 60358-49-68

COMMERCIAL AUTO
CA 20 48 02 99

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED INSURED

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM
GARAGE COVERAGE FORM
MOTOR CARRIER COVERAGE FORM
TRUCKERS COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

This endorsement identifies person(s) or organization(s) who are "insureds" under the Who Is An Insured Provision of the Coverage Form. This endorsement does not alter coverage provided in the Coverage Form.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Endorsement Effective: 04/09/24	Countersigned By: (Authorized Representative)
Named Insured: MICON CONSTRUCTION INC	

SCHEDULE

Name of Person(s) or Organization(s): THE CITY OF LA HABRA, ITS OFFICERS, EMPLOYEES

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to the endorsement.)

Each person or organization shown in the Schedule is an "insured" for Liability Coverage, but only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured Provision contained in **Section II** of the Coverage Form.

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POLICY NUMBER: 60358-49-68

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

FARMERS INSURANCE

J7106
2nd Edition

AMENDMENT OF ADDITIONAL INSURED

This endorsement modifies insurance provided under the:

BUSINESS AUTO COVERAGE FORM
GARAGE COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

SCHEDULE

Name Of Additional Insured Person Or Organization:
THE CITY OF LA HABRA, ITS
OFFICERS, EMPLOYEES
REPRESENTATIVES ATTORNEYS VOLUNTEERS

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EXHIBIT D

CLAIMS PROCEDURE

SUMMARY OF PUBLIC CONTRACT CODE § 9204

The following procedure will apply to any claims by the Contractor on the City:

A "claim" is a separate demand on the City by a contractor on a public works project and sent by registered mail or certified mail with return receipt requested, for one or more of the following:

- A time extension, including relief from penalties for delay
- Payment by the City of money damages under the terms of the contract
- Payment of an amount that is disputed by the City

Initial Review

The claim must be supported by appropriate documentation. The City has 45 days within which to review the claim and provide the contractor with a written statement identifying the disputed and undisputed portions of the claim. If the City does not issue a written statement, the claim is deemed rejected in its entirety. The City will pay any undisputed portion of the claim within 60 days of issuing the statement.

Meet & Confer

If the contractor disputes the City's written response, or if the City does not issue one, the contractor may request in writing an informal conference to meet and confer for possible settlement of the claim. The City will schedule the meet and confer conference within 30 days of this request and provide a written statement identifying the remaining disputed and undisputed portions of the claim within 10 business days of the meet and confer. The City will pay the undisputed portion within 60 days of issuing this statement.

Mediation

With respect to any disputed portion remaining after the meet and confer, the City and contractor will submit the matter to nonbinding mediation, agree to a mediator within 10 business days after issuing the written statement, and share mediation costs equally. If mediation is unsuccessful, then the terms of the public works agreement and applicable law will govern resolution of the dispute.

Miscellaneous Provisions

Amounts not paid by the City in a timely manner bear interest at 7% per annum. Subcontractors may submit claims via this procedure through the general contractor. The City and contractor may waive the requirement to mediate, but cannot otherwise waive these claim procedures.