Meeting Date: **4/22/2014**

Report Type: Consent

Report ID: 2014-00192

03

City of SACRAMENTO

City Council Report
915 I Street, 1st Floor
www.CityofSacramento.org

Title: Contract: Wild Rose Park Development (L19187001) [Reviewed 04/17/2014]

Location: District 1

Recommendation: 1) Pass a Resolution approving the transfer of $150,000 from Park Development Impact Fee (PIF) (Fund 3204) funds to L19187001; and 2) pass a Motion a) approving the construction plans and specifications for Wild Rose Park Development project (L19187001); b) awarding the contract to Peterson Developments for an amount not to exceed $2,126,040; and c) authorizing the City Manager or City Manager's designee to execute the contract with Peterson Developments for an amount not to exceed $2,126,040.

Contact: C. Gary Hyden, Supervising Landscape Architect, (916) 808-1949, Department of Parks and Recreation

Presenter: None

Department: Parks & Recreation Department

Division: Park Development Services

Dept ID: 19001121

Attachments:

1-Description/Analysis
2-Background
3-Location Map
4-Master Plan
5-Resolution
6-Wild Rose Contract

City Attorney Review

Approved as to Form
Sheryl Patterson
4/11/2014 8:40:22 AM

Approvals/Acknowledgements

Department Director or Designee: Jim Combs - 4/9/2014 11:49:10 AM

James Sanchez, City Attorney Shirley Concolino, City Clerk Russell Fehr, City Treasurer
John F. Shirey, City Manager

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Description/Analysis

Issue:
Wild Rose Park is a 9.6-acre community park located at 5200 Kankakee Drive in North Natomas Council District 1.

Staff is seeking approval to transfer of $150,000 from Park Development Impact Fee (PIF) Fund 3204 to L19187000 and approval to award a contract to Peterson Developments for an amount not to exceed $2,126,040. The improvements will consist of clearing and grubbing, grading and drainage, concrete walkways and curbs, nature themed children's playgrounds with fabric shade canopies, community garden, two half basketball courts, interactive water mister area, baseball field, open turf area, group picnic area with metal shade shelter, seating area, automatic irrigation with central control system, landscaping, boulders, electrical, park signage, park name sign and site furniture.

Based on the recommendations from the City's Departmental Water Conservation Task Force and direction from the City Manager, turf, tree, shrub, and ground cover planting for all City projects during the drought will be scheduled for the fall season. The goal is to reduce to a minimum the amount of water that will be required to establish the plantings.

The formal bid process for this project has been completed and Peterson Developments has been selected as the lowest responsible and responsive bidder.

A summary of the project background, a location map, master plan are included as attachments to this report.

Policy Considerations:

Providing parks and recreation facilities is consistent with the City's strategic plan to enhance livability in Sacramento's neighborhoods by expanding park, recreation, and trail facilities throughout the City. This is also part of the Park Development Process for park planning as stated in the *2005-2010 Parks and Recreation Master Plan*.

Sacramento City Code Chapter 3.60 identifies the general guidelines for completing contracts for public projects and procedures for bidding and issuing contracts over $100,000

Economic Impacts:

This park construction project, which totals $2,126,040, is expected to create 8.5 total jobs (4.9 direct jobs and 3.6 additional jobs through indirect and induced activities). Furthermore, it will create $1,315,137 in total economic output ($828,941 of direct output and another $486,196 of output through indirect and induced activities).

Environmental Considerations:

California Environmental Quality Act (CEQA):

The Community Development Department, Environmental Planning Division has reviewed the project for compliance with the requirements of the California Environmental Quality Act (CEQA) and determined that it is exempt from the provisions of the CEQA pursuant to Sections 15301, 15303, and 15304 of the CEQA Guidelines.

Sustainability:

The Wild Rose Park Development project has been reviewed for consistency with the goals, policies, and targets of the City's Sustainability Master Plan (SMP), the Parks and Recreation Sustainability Plan, and the 2030 General Plan. The project will advance the goals, policies, and targets of these plans by improving the health of residents through access to a diverse mix of wellness and recreation activities. The park improvements are also consistent with sustainable design through the use of water efficient irrigation, recycled materials, drought-tolerant plantings to minimize water use, and use of local vendors.

Committee/Commission Action:

On September 4, 2008, the Wild Rose Park Master Plan was reviewed and supported by the Parks and Recreation Commission.

Rationale for Recommendation:

The formal bidding process for the Wild Rose Park project was posted in accordance with City Code 3.60 and Administrative Policy Instruction #48. The project was posted and the bids were opened on January 15, 2014. Staff received 12 bids and the results are listed below:

CONTRACTOR	**Base Bid**	**Additive Alternates 1-3**	**Total Bid**	**LBE %**
PETERSON DEVELOPMENTS	$2,126,040	$441,260	$2,567,300	45.0
SWANK CONSTRUCTION	$2,152,559	$419,372	$2,571,931	32.8
JM SLOVER, INC.	$2,228,585	$460,125	$2,688,710	24.7
OLYMPIC LAND CONSTRUCTION	$2,271,045	$464,760	$2,735,805	57.0
DIEDE CONSTRUCTION	$2,383,400	$430,200	$2,813,600	26.3
SIERRA VALLEY	$2,431,718	$424,601	$2,856,319	7.2

VALLEY CREST LANDSCAPE	$2,455,765	$448,100	$2,903,865	73.6
TRENT CONSTRUCTION	$2,552,803	$464,243	$3,017,046	34.5
KOCH & KOCH	$2,544,320	$496,000	$3,040,320	0.9
YOUNGER GENERAL	$2,622,700	$470,000	$3,092,700	33.2
ROBERT A. BOTHMAN	$2,579,433	$515,300	$3,094,733	6.0
MARINA LANDSCAPE	$2,817,800	$537,000	$3,354,800	0.0

The Koch & Koch and Marina Landscape bids are considered non-responsive. The firms did not meet the City's minimum 5% LBE requirement.

The Engineer's Estimate for the base bid of this project was $2,111,536. Local Business Enterprise percentage is based on the base bid only.

Pursuant to City Code Section 3.60.020, it was determined that Peterson Developments had the lowest, responsible base bid.

Financial Considerations:

The project CIP, L19187000, currently has $2,708,412 from District 1 Park Development Impact Fee (PIF) (Fund 3204). Additional funds are needed to award the contract. The additional funds will cover potential construction change orders, design, project management, inspection services, building permit fees, contract management, labor compliance and special inspections and material testing.

Therefore, staff is seeking approval to transfer an additional $150,000 from Park Development Impact Fee (PIF) (Fund 3204) fund contingency to L19187000 to fully fund the construction of the proposed improvements.

There are sufficient funds in the North Natomas Lands Community Facilities District 3 (Fund2230) for ongoing maintenance and utilities for this park development.

Local Business Enterprise (LBE):

The selection of contractors for this project followed City established guidelines for inclusion of LBE firms. At an LBE percentage total of 45%, Peterson Developments and their subcontractors are above the City's required 5% LBE rate.

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Background:

The park master plan was developed in the summer of 2008. On February 17, 2009, the City Council approved the Master Plan, Environmental documents, and park name 'Wild Rose Park.'

Construction of Wild Rose Park is expected to be completed in fall 2014.

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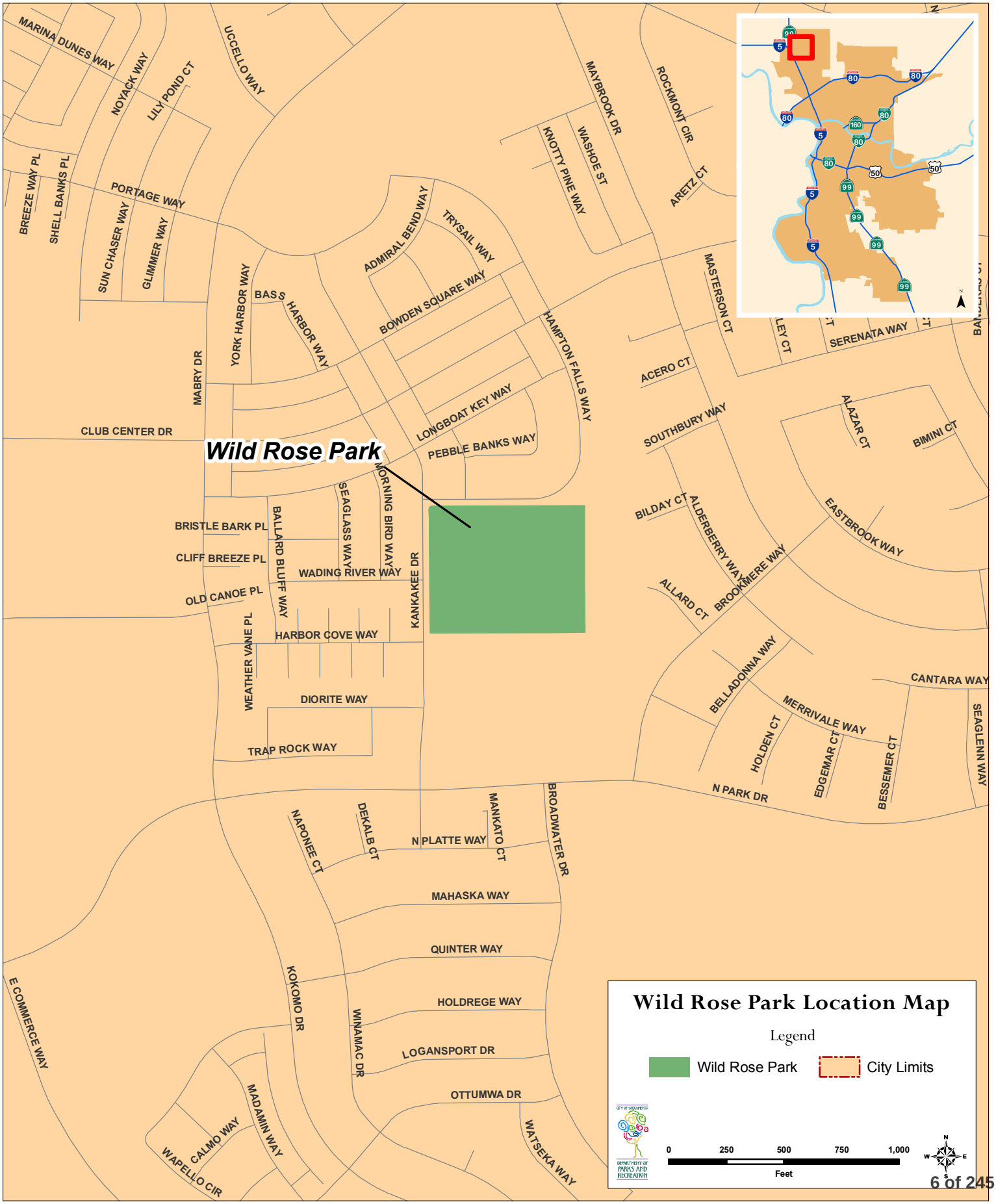
CITY OF SACRAMENTO
DEPARTMENT OF PARKS AND RECREATION



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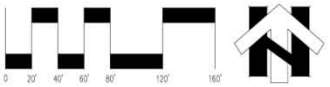
Legend of Possible Items:

A. Park Entrance Sign.
B. Existing Bike Path.
C. Main Picnic Area
D. Youth Baseball (60' Baseline)
E. Walking/ Jogging Path, Decomposed Granite, approximately 1/2 mile long and 4' wide.
F. Existing Drainage Channel.
G. Community Garden with storage shed and compost areas.
H. Adult Basketball-Full Court (50' x 84').
I. Skate Board Park (45' x 85').
J. 2x Youth Basketball -Half Court (45' x 85').
K. Buffer Planting Area.
L .65 acre Natural Play area.
M. 4 Parcourse Fitness Stations.
N. 2 Stall Bathroom.
O. Proposed Labyrinth.
P. Decorative Planting areas.
Q. Secondary Picnic Area.
R. Open Space for Passive Recreation.
S. Footbridge Connecting Wild Rose Park to Red Bud Park.
T. (2x) Bocce Ball Courts & (2x) Horseshoe Pits.
U. Proposed additional community gardens.

WILD ROSE PARK: MASTER PLAN

CITY OF SACRAMENTO
Landscape Architect: Steven Giguere



Wild Rose Park
5200 Kankakee Drive
Council District 1, Planning Area 10
Approved by City Council February 17, 2009
Resolution No. 2009-088

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RESOLUTION NO. 2014-

Adopted by the Sacramento City Council

April 22, 2014

APPROPRIATING FUNDING FOR WILD ROSE PARK

BACKGROUND:

A. Wild Rose Park is a 9.6-acre community park located at 5200 Kankakee Drive in North Natomas Council District 1.

B. On February 17, 2009, the City Council approved the Master Plan, Environmental documents, and park name 'Wild Rose Park.'

C. The Environmental Services Manager has reviewed the Wild Rose Park project for compliance with the requirements of the California Environmental Quality Act (CEQA).

E. Utilizing Park Development Impact Fees (Fund3204), to augment this budget is consistent with Sacramento City Code Section 16.64.060 as these funds will be used for the "…improvement, and expansion of the public parks, playgrounds and recreational facilities."

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:

Section 1. That $150,000 from the Park Development Impact Fee (PIF), (Fund 3204) fund contingency, is appropriated to Wild Rose Park (L19187000).

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City of SACRAMENTO
Parks and Recreation

B14190021009

CONTRACT SPECIFICATIONS
FOR
WILD ROSE PARK (L19187001)

Plans Attached

For Pre-Bid Information Call:
TIN-WAH WONG, Project Manager
(916) 808-5540

Bids to be received before
2:00 PM, Wednesday,
JANUARY 15, 2014
Historic City Hall
915 I Street, 1st Floor
Sacramento, CA 95814

Estimated Construction Cost: $1,767,035.60- $2,111,535.60

Construction Time: EIGHTY (80) WORKING DAYS and NINETY (90) Calendar Days for Maintenance.

The Notice to Proceed for this project will be issued on March 15, 2014 with the intent that construction operations will begin no later than April 1, 2014.

h:\documents\contract mgmt\wild rose park\construction bid_12-3-13\construction docs_planet bids\04- cover letter.docx

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City of Sacramento
Formal Bid / Proposal Delivery Options

Any vendor and/or consultant submitting an official bid or proposal to the City of Sacramento City Clerk's Office, shall select one of the following delivery options. To ensure responsive receipt of bids and/or proposals within established submission deadlines, address information must exactly match one of the below options.

Effective April 17, 2009, the City of Sacramento's receiving hours are 8am to Noon Monday through Friday. If sending bids via Option 2 - Expedited Services, the bid must be delivered prior to noon or it will not be delivered until the following business day. The City of Sacramento is not responsible for the late receipt of bids and/or proposals where the proposer did not adhere to one of the available delivery options.

Option	Service Provider and/or Service Types	Address
1.	**United States Postal Service (USPS)** - Regular First Class - Certified or Return Receipt - Priority - Express	Sacramento City Clerk's Office *Public Counter, New City Hall* *915 I Street, 4th Floor* Sacramento, CA 95812-2391
2.	**Expedited Services – Receiving Hours are 8am to Noon Monday through Friday** - FedEx - UPS - DHL	Sacramento City Clerk's Office *Public Counter, New City Hall* *915 I Street, 4th Floor* Sacramento, CA 95814-2604
3.	**Personal Delivery** - Hand Delivery - Courier	Sacramento City Clerk's Office *Public Counter, New City Hall* *915 I Street, 4th Floor* Sacramento, CA 95814

Updated 2/6/2014 @ 11:22:32 AM

Sealed Proposals will be received by the City Clerk of the City of Sacramento at the office of the City Clerk, City Hall, 1st Floor, located at 915 I Street between 9th and 10th Streets, up to the hour of **2:00 PM** on **JANUARY 15, 2014** and will be opened as soon thereafter as business allows, in the Council Chambers, City Hall for:

WILD ROSE PARK (L19187001)

as set forth in the Contract Documents.

Proposals received and work performed thereunder shall comply with the requirements of Title 3 of the Sacramento City Code. Each Bid Proposal shall be accompanied by bid security of at least 10% of the sum of the Bid Proposal which conforms to the requirements of Section 7.0 of the Instructions to Bidders. The right to reject Proposals or to waive any error or omission in any Bid Proposal received is reserved by the City. Signed proposals shall be submitted on the printed forms contained in the Project Manual and enclosed in an envelope marked: Sealed Bid Proposal for:

WILD ROSE PARK (L19187001)

LBE CERTIFICATION STATEMENTS ARE DUE BY THE CLOSE OF BUSINESS TWO DAYS AFTER BID OPENING to:
Tim Hopper, Department of General Services, Procurement Division
5730 24TH Street, Bldg. 1, Sacramento, CA 95822
Phone: (916) 808-8173/ Fax: (916) 808-8266/ Email: thopper@cityofsacramento.org
Failure to submit the required LBE information may be grounds for finding the bid non-responsive.

You can view and download the plans and Contract Documents from:

PLANET BIDS
http://www.planetbids.com/portal/portal.cfm?CompanyID=15300#

Subcontractors shall comply with the rates of wages currently established by the Director of Industrial Relations under provisions of Sections 1773 of the Labor Code of the State of California, a copy of which is on file in the office of the City Clerk. In accordance with Sacramento City Code Section 3.60.180 and Section 1771.5 of the California Labor Code, the payment of the general prevailing rate of per diem wages or the general prevailing rate of per diem wages for holiday and overtime is not required for any Public Construction project of $25,000 or less, or Public Maintenance project of $15,000 or less. The City of Sacramento has an approved Labor Compliance Program. **The City uses an electronic system for the submission of Labor Compliance Reports, which became effective May 1, 2007.** Each contractor and every lower-tier subcontractor submits certified payrolls and labor compliance documentation electronically at the discretion of and in the manner specified by the City of Sacramento.

Electronic submittal is via a web-based system, accessed on the World Wide Web by a web browser. Each contractor and subcontractor is given a Log On identification and password to access the City of Sacramento's reporting system.

Use of the system may entail additional data entry of weekly payroll information including; employee identification, labor classification, total hours worked and hours worked on this project, wage and benefit rates paid, etc. The contractor's payroll and accounting software might be capable of generating a 'comma delimited file' that will interface with the software.

Disseminate these provisions to every lower-tier subcontractor and vendor required to provide labor compliance documentation.

All questions regarding this Labor Compliance Program should be directed to the department's contracts staff or Contracts Services at (916) 808-5524.

Pursuant to Sacramento City Code Section 3.60.250, any Agreement awarded pursuant to this Invitation to Bid shall contain a provision permitting the substitution of securities for any monies withheld to ensure performance under the Agreement. The terms of such provisions shall be according to the requirements and the form required by the City.

Bid protests must be filled and maintained in accordance with the provisions of Sections 3.60.460 through 3.60.560 of the Sacramento City Code. Bid protests that do not comply with Sections 3.60.460 through 3.60.560 of the Sacramento City Code shall be invalid and shall not be considered. A bid protest fee of $750.00 is required at the time of filing to be considered valid in accordance with City of Sacramento Resolution No. 2003-231 dated April 29, 2003. As used herein, the term "bid protest" includes any bid protest that (1) claims that one or more bidders on this contract should be disqualified or rejected for any reason, or (2) contests a City staff recommendation to award this contract to a particular bidder, or (3) contests a City staff recommendation to disqualify or reject one or more bidders on this contract. A copy of Sections 3.60.460 through 3.60.560 of the Sacramento City Code may be obtained from the Project Manager, or from the City Clerk, located at 915 I Street, 1st Floor, Sacramento, CA 95814.

REQUIREMENTS OF THE NON-DISCRIMINATION IN EMPLOYEE BENEFITS CODE

INTRODUCTION

The Sacramento Non-Discrimination In Employee Benefits Code (the "Ordinance"), codified as Sacramento City Code Chapter 3.54, prohibits City contractors from discriminating in the provision of employee benefits between employees with spouses and employees with domestic partners, and between the spouses and domestic partners of employees.

APPLICATION

The provisions of the Ordinance apply to any contract or agreement (as defined below), between a Contractor and the City of Sacramento, in an amount exceeding $100,000.00. The Ordinance applies to that portion of a contractor's operations that occur: (i) within the City of Sacramento; (ii) on real property outside the City of Sacramento if the property is owned by the City or if the City has a right to occupy the property; or (iii) at any location where a significant amount of work related to a City contract is being performed.

The Ordinance does not apply: to subcontractors or subcontracts of any Contractor or contractors; to transactions entered into pursuant to cooperative purchasing agreements approved by the Sacramento City Council; to legal contracts of other governmental jurisdictions or public agencies without separate competitive bidding by the City; where the requirements of the ordinance will violate or are inconsistent with the terms or conditions of a grant, subvention or agreement with a public agency or the instructions of an authorized representative of any such agency with respect to any such grant, subvention or agreement; to permits for excavation or street construction; or to agreements for the use of City right-of-way where a contracting utility has the power of eminent domain.

DEFINITIONS

As set forth in the Ordinance, the following definitions apply:

"Contract" means an agreement for public works or improvements to be performed, or for goods or services to be purchased or grants to be provided, at the expense of the City or to be paid out of moneys deposited in the treasury or out of the trust money under the control or collected by the City. "Contract" also means a written agreement for the exclusive use ("exclusive use" means the right to use or occupy real property to the exclusion of others, other than the right reserved by the fee owner) or occupancy of real property for a term exceeding 29 days in any calendar year, whether by singular or cumulative instrument, (i) for the operation or use by others of real property owned or controlled by the City for the operation of a business, social, or other establishment or organization, including leases, concessions, franchises and easements, or (ii) for the City's use or occupancy of real property owned by others, including leases, concessions, franchises and easements.

"Contract" shall not include: a revocable at-will use or encroachment permit for the use of or encroachment on City property regardless of the ultimate duration of such permit; excavation, street construction or street use permits; agreements for the use of City right-of-way where a contracting utility has the power of eminent domain; or agreements governing the use of City property that constitute a public forum for activities that are primarily for the purpose of espousing or advocating causes or ideas and that are generally protected by the First Amendment to the United States Constitution or that are primarily recreational in nature.

"Contractor" means any person or persons, firm partnership or corporation, company, or combination thereof, that enters into a Contract with the City. "Contractor" does not include a public entity.

"Domestic Partner" means any person who has a currently registered domestic partnership with a governmental entity pursuant to state or local law authorizing the registration.

"Employee Benefits" means bereavement leave; disability, life, and other types of insurance; family medical leave; health benefits; membership or membership discounts; moving expenses; pension and retirement benefits; vacation; travel benefits; and any other benefit given to employees. "Employee benefits" shall not include benefits to the extent that the application of the requirements of this chapter to such benefits may be preempted by federal or state.

CONTRACTOR'S OBLIGATION TO PROVIDE THE CITY WITH DOCUMENTATION AND INFORMATION

Contractor shall provide the City with documentation and information verifying its compliance with the requirements of the Ordinance within ten (10) days of receipt of a request from the City. Contractors shall keep accurate payroll records, showing, for each City Contract, the employee's name, address, Social Security number, work classification, straight time pay rate, overtime pay rate, overtime hours worked, status and exemptions, and benefits for each day and pay period that the employee works on the City Contract. Each request for payroll records shall be accompanied by an affidavit to be completed and returned by the Contractor, as stated, attesting that the information contained in the payroll records is true and correct, and that the Contractor has complied with the requirements of the Ordinance. A violation of the Ordinance or noncompliance with the requirements of the Ordinance shall constitute a breach of contract.

EMPLOYER COMPLIANCE CERTIFICATE AND NOTICE REQUIREMENTS

(a) All contractors seeking a Contract subject to the Ordinance shall submit a completed Declaration of Compliance Form (attachment "A"), signed by an authorized representative, with each proposal, bid or application. The Declaration of Compliance shall be made a part of the executed contract, and will be made available for public inspection and copying during regular business hours.

(b) The Contractor shall give each existing employee working directing on a City contract, and (at the time of hire), each new employee, a copy of the notification provided as attachment "B."

(c) Contractor shall post, in a place visible to all employees, a copy of the notice provided as attachment "C."

DECLARATION OF COMPLIANCE
Equal Benefits Ordinance

PETERSON DEVELOPMENTS
Name of Contractor

4728 KENNETH AVENUE, FAIR OAKS, CA 95628
Address

The above named contractor ("Contractor") hereby declares and agrees as follows:

1. I have read and understand the Requirements of the Non-Discrimination In Employee Benefits Code (the "Requirements") provided to me by the City of Sacramento ("City") in connection with the City's request for proposals or other solicitations for the performance of services, or for the provision of commodities, under a City contract or agreement ("Contract").

2. As a condition of receiving the City Contract, I agree to fully comply with the Requirements, as well as any additional requirements that may be specified in the City's Non-Discrimination in Employee Benefits Code codified at Chapter 3. 54 of the Sacramento City Code (the "Ordinance").

3. I understand, to the extent that such benefits are not preempted or prohibited by federal or state law, employee benefits covered by the Ordinance, are any of the following:

   a. Bereavement Leave
   b. Disability, life, and other types of insurance
   c. Family medical leave
   d. Health benefits
   e. Membership or membership discounts
   f. Moving expenses
   g. Pension and retirement benefits
   h. Vacation
   i. Travel benefits
   j. Any other benefit offered to employees

   I agree that should I offer any of the above listed employee benefits, that I will offer those benefits, without discrimination between employees with spouses and employees with domestic partners, and without discrimination between the spouses and domestic partners of such employees.

4. I understand that I will not be considered to be discriminating in the provision or application of employee benefits under the following conditions or circumstances:

DECLARATION OF COMPLIANCE
Equal Benefits Ordinance

a. In the event that the actual cost of providing a benefit to a domestic partner or spouse, exceeds the cost of providing the same benefit to a spouse or domestic partner of an employee, I will not be required to provide the benefit, nor shall it be deemed discriminatory, if I require the employee to pay the monetary difference in order to provide the benefit to the domestic partner or to the spouse.

b. In the event I am unable to provide a certain benefit, despite taking reasonable measures to do so, if I provide the employee with a cash equivalent, I will not be deemed to be discriminating in the application of that benefit.

c. If I provide employee benefits neither to employee's spouses nor to employee's domestic partners.

d. If I provide employee benefits to employees on a basis unrelated to marital or domestic partner status.

e. If I submit, to the Program Coordinator, written evidence of making reasonable efforts to end discrimination in employee benefits by implementing policies which are to be enacted before the first effective date after the first open enrollment process following the date the Contract is executed with the City.

I understand that any delay in the implementation of such policies may not exceed one (1) year from the date the Contract is executed with the City, and applies only to those employee benefits for which an open enrollment process is applicable.

f. Until administrative steps can be taken to incorporate, in the infrastructure, nondiscrimination in employee benefits

The time allotted for these administrative steps will apply only to those employee benefits for which administrative steps are necessary and may not exceed three (3) months from the date the Contract is executed with the City.

g. Until the expiration of a current collective bargaining agreement(s) where, in fact, employee benefits are governed by a collective bargaining agreement(s).

h. I take all reasonable measures to end discrimination in employee benefits by either requesting the union(s) involved agree to reopen the agreement(s) in order for me to take whatever steps are necessary to end discrimination in employee benefits or by my ending discrimination in employee benefits without reopening the collective bargaining agreement(s).

DECLARATION OF COMPLIANCE
Equal Benefits Ordinance

i. In the event I cannot end discrimination in employee benefits despite taking all reasonable measures to do so, I provide a cash equivalent to eligible employees for whom employee benefits (as listed previously), are not available.

Unless otherwise authorized in writing by the City Manager, I understand this cash equivalent must begin at the time the union(s) refuse to allow the collective bargaining agreement(s) to be reopened or no longer than three (3) months from the date the Contract is executed with the City.

5. I understand that failure to comply with the provisions of Section 4. (a) through 4. (i), above, will subject me to possible suspension and/or termination of this Contract for cause; repayment of any or all of the Contract amount disbursed by the City; debarment for future contracts until all penalties and restitution have been paid in full; deemed ineligible for future contracts for up to two (2) years; the imposition of a penalty, payable to the City, in the sum of $50.00 for each employee, for each calendar day during which the employee was discriminated against in violation of the provisions of the Ordinance.

6. I understand and do hereby agree to provide each current employee and, within ten (10) days of hire, each new employee, of their rights under the Ordinance. I further agree to maintain a copy of each such letter provided, in an appropriate file for possible inspection by an authorized representative of the City. I also agree to prominently display a poster informing each employee of these rights.

7. I understand that I have the right to request an exemption to the benefit provisions of the Ordinance when such a request is submitted to the Procurement Services Division, in writing with sufficient justification for resolution, prior to contract award.

I further understand that the City may request a waiver or exemption to the provisions or requirements of the Ordinance, when only one contractor is available to enter into a contract or agreement to occupy and use City property on terms and conditions established by the City; when sole source conditions exist for goods, services, public project or improvements and related construction services; when there are no responsive bidders to the Ordinance requirements and the
contract is for essential goods or services; when emergency conditions with public health and safety implications exist; or when the contract is for specialized legal services if in the best interest of the City.

8. In consideration of the foregoing, I shall defend, indemnify and hold harmless, the City, its officers and employees, against any claims, actions, damages, costs (including reasonable attorney fees), or other liabilities of any kind arising from any violation of the Requirements or of the Ordinance by
me.

DECLARATION OF COMPLIANCE
Equal Benefits Ordinance

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that I am authorized to bind the Contractor to the provisions of this Declaration.

Signature of Authorized Representative

2-10-14
Date

Jon W. Peterson
Print Name

Owner, Peterson Developments
Title

YOUR RIGHTS UNDER THE CITY OF SACRAMENTO'S NON-DISCRIMINATION IN EMPLOYEE BENEFITS BY CITY CONTRACTORS ORDINANCE

On ..... (date), your employer (the "Employer") entered into a contract with the City of Sacramento (the "City") for ..... (contract details), and as a condition of that contract, agreed to abide by the requirements of the City's Non-Discrimination In Employee Benefits By City Contractors Ordinance (Sacramento City Code Section 3.54).

The Ordinance does not require the Employer to provide employee benefits. The Ordinance does require that if certain employee benefits are provided by the Employer, that those benefits be provided without discrimination between employees with spouses and employees with domestic partners, and without discrimination between the spouse or domestic partner of employees.

The Ordinance covers any employee working on the specific contract referenced above, but only for the period of time while those employees are actually working on this specific contract.

The included employee benefits are:

- Bereavement leave
- Disability, life and other types of insurance
- Family medical leave
- Health benefits
- Membership or membership discounts
- Moving expenses
- Pension and retirement benefits
- Vacation
- Travel benefits
- Any other benefits given to employees

(Employee Benefits does not include benefits that may be preempted by federal or state law.)

If you feel you have been discriminated or retaliated against by your employer in the terms and conditions of your application for employment, or in your employment, or in the application of these employee benefits, because of your status as an applicant or as an employee protected by the Ordinance, or because you reported a violation of the Ordinance, and after having exhausted all remedies with your employer,

You May . . .

- Submit a written complaint to the City of Sacramento, Contract Services Unit, containing the details of the alleged violation. The address is:

  City of Sacramento
  Contract Services Unit
  915 I St., 2nd Floor
  Sacramento, CA 95814

- Bring an action in the appropriate division of the Superior Court of the State of California against the Employer and obtain the following remedies:

  - Reinstatement, injunctive relief, compensatory damages and punitive damages

  - Reasonable attorney's fees and costs

YOUR RIGHTS UNDER THE CITY OF SACRAMENTO'S NON-DISCRIMINATION IN EMPLOYEE BENEFITS BY CITY CONTRACTORS ORDINANCE

If your employer provides employee benefits, they must be provided to those employees working on a City of Sacramento contract without discriminating between employees with spouses and employees with domestic partners.

The included employee benefits are:

- Bereavement leave
- Disability, life and other types of insurance
- Family medical leave
- Health benefits
- Membership or membership discounts
- Moving expenses
- Pension and retirement benefits
- Vacation
- Travel benefits
- Any other benefits given to employees

If you feel you have been discriminated against by your employer . . .

You May . . .

- Submit a written complaint to the City of Sacramento, Contract Services Unit, containing the details of the alleged violation. The address is:

  City of Sacramento
  Contract Services Unit
  915 I St., 2nd Floor
  Sacramento, CA 95814

- Bring an action in the appropriate division of the Superior Court of the State of California against the employer and obtain reinstatement, injunctive relief, compensatory damages, punitive damages and reasonable attorney's fees and costs.

Discrimination and Retaliation Prohibited.

If you feel you have been discriminated or retaliated against by your employer in the terms and conditions of your application for employment, or in your employment, because of your status as an applicant or as an employee protected by the Ordinance, or because you reported a violation of this Ordinance . . .

You May Also . . .

Submit a written complaint to the City of Sacramento, Contract Services Unit, at the same address, containing the details of the alleged violation.

BID PROPOSAL FORMS

PLEASE REMOVE AND

COMPLETE

THE FOLLOWING DOCUMENTS

AND

SUBMIT AS

THE BID PROPOSAL

PACKAGE

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City of
SACRAMENTO
Parks and Recreation

WILD ROSE PARK
(L19870001)
(Addendum #4)

B14190021009

January 10, 2014

To all Potential Bidders:

Attached hereto are addenda items, which shall be incorporated into the request for proposal for above noted project. These changes shall be considered as part of the original documents, as if they were originally provided therein, and as such shall be used as contractual documents. All other terms, conditions, and specifications of the bid remain unchanged. Bidders must acknowledge receipt of this addendum prior to the hour and date specified in the bid request, or as amended, by one of the following methods:

(a) By acknowledging receipt, on the proposal form submitted; or
(b) By separate letter or telegram which includes a reference to the bid request and addendum number.

Failure to acknowledge receipt of this addendum in one of the above methods and cause acknowledgment to be received at the Clerk's Office, 915 I Street, City Hall, **4TH Floor**, Sacramento, CA 95814-2671, prior to the hour and date specified for receipt of bids, may result in rejection of your offer. If by virtue of this addendum you decide to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the bid request number and this addendum, and is received prior to the opening hour and date specified.

For any contractual questions related to this Addendum, contact Tim Hopper at (916) 808-8173. For technical questions contact the project manager: TIN-WAH WONG at (916) 808-5540.

Very truly yours,

T Hopper

Tim Hopper
Contracts & Compliance Specialist
Department of General Services

Enclosure

Clerk's Office

c: Distribution List
Planholders

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City of
SACRAMENTO
Parks and Recreation
Park Planning & Development Services
~Landscape Architecture Section~
915 I Street, 3rd Floor, Sacramento, CA 95814

ADDENDUM NO. 4

(B14190021009)

for

WILD ROSE PARK

(L19167200)

Sacramento, California

January 9, 2014

This Addendum changes the project drawings and specifications dated *October 25, 2013.* Unchanged portions of the drawings and specifications remain in effect.

SPECIFICATIONS

1. Concrete Skate Area (Complete-Concrete, Accessories & Shotcrete), Alternate Item No A1, Paragraph A: Delete entire paragraph and replace with the following: *"Installer Qualifications: Contractor bidding the skate park structure shall have self-performed or have personnel who have experience constructing; Shorcrete Work, Concrete Work, Pool Coping and Fabricated Metals and satisfactorily completed the installation of five (5) similar skate park project in accordance with the project plans and written specifications. Qualifying projects include concrete skate park structures of comparable size, finishes, bowl depths, coping types and features built within the last six (6) years."*

ORIGINAL BID DUE DATE OF *January 15, 2014* REMAINS THE SAME.

This addendum is issued in conformance with the original plans and specifications.

Unchanged portions of the plans and special provisions remain in effect.

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City of
SACRAMENTO
Parks and Recreation
Park Planning & Development Services
~Landscape Architecture Section~
915 I Street, 3rd Floor, Sacramento, CA 95814

-END-

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City of
SACRAMENTO
Parks and Recreation

WILD ROSE PARK
(L19870001)
(Addendum #3)

B14190021009

January 8, 2014

To all Potential Bidders:

Attached hereto are addenda items, which shall be incorporated into the request for proposal for above noted project. These changes shall be considered as part of the original documents, as if they were originally provided therein, and as such shall be used as contractual documents. All other terms, conditions, and specifications of the bid remain unchanged. Bidders must acknowledge receipt of this addendum prior to the hour and date specified in the bid request, or as amended, by one of the following methods:

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For any contractual questions related to this Addendum, contact Tim Hopper at (916) 808-8173. For technical questions contact the project manager: TIN-WAH WONG at (916) 808-5540.

Very truly yours,

T. Hopper

Tim Hopper
Contracts & Compliance Specialist
Department of General Services

Enclosure

Clerk's Office

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Planholders

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City of
SACRAMENTO
Parks and Recreation
Park Planning & Development Services
~Landscape Architecture Section~
915 I Street, 3rd Floor, Sacramento, CA 95814

ADDENDUM NO. 3

(B14190021009)

for

WILD ROSE PARK

(L19167200)

Sacramento, California

January 8, 2014

This Addendum changes the project drawings and specifications dated *October 25, 2013.* Unchanged portions of the drawings and specifications remain in effect.

SPECIFICATIONS

1. 3' High Tubular Steel Fence at Play Area, Item No. 36, Paragraph E-Finish: Delete entire paragraph and replace with the following: *"Refer to plans."*

2. Tubular Steel Fence and Gates at Community Garden, Item No. 37, Paragraph L-Finish: Delete entire paragraph and replace with the following: *"Refer to plans."*

3. Playground Sign, Item No. 61, Paragraph A-Signs: Delete entire paragraph and replace with the following: *"Signs shall be as shown on the attached Exhibit #2 and shall be constructed of 12 gauge steel. Sign lettering shall be printed on vinyl sheet not individual vinyl lettering. An anti-graffiti laminate coating shall be installed over the vinyl sheet."*

4. Concrete Skate Area (Complete-Concrete, Accessories & Shotcrete), Alternate Item No A1, Paragraph 2: Delete entire paragraph and replace with the following: *"Contractor must be an experienced installer, or have*

personnel with such experience, who has completed skate pavement work similar in material, design, and extent to that as indicated in this section."

5. Concrete Skate Area (Complete-Concrete, Accessories & Shotcrete), Alternate Item No A1, Paragraph A: Delete entire paragraph and replace with the following: *"Installer Qualifications: Contractor bidding the skate park structure shall have self-performed; Shorcrete Work, Concrete Work, Pool Coping and Fabricated Metals and satisfactorily completed the installation of five (5) similar skate park project in accordance with the project plans and written specifications. Qualifying projects include concrete skate park structures of comparable size, finishes, bowl depths, coping types and features built within the last six (6) years."*

PLANS

1. Revision: Sheet L1.6, Detail A –Community Garden Enlargement, Add the following text to the flower design in front of the shelter: "Future Public Artwork to be provided by others." See attached Exhibit #1.

2. Addition: Sheet L1.1, Add Alternate Bid Item #3 – Demonstration Garden, Refer to Detail E – Boulder Placement Add Alternate #3 on Sheet L6.8 for the legend callouts from "A-C". Refer to the attached Exhibit #3 for callout "D". Callout "D" was intended to be various sizes of washed river cobble to mimic a dry creek bed. The cobbles shall be installed with larger cobbles towards the outer edges of the creek bed with a greater concentration of smaller cobblers in the center of the creek bed.

CLARIFICATION

1. Meter and Development Fees – Per detail A on Sheet L6.6 of the plan set, it states that the contractor is responsible for the meter fees and development fees. The contractor is required to include the meter and development fees in his/her bid. This cost shall be included in Item # 64 – Automatic Irrigation System of the Bid Proposal form.

2. <u>LBE Requirement</u> – Bids under $100,000 receive a 5% preference. For

bids over $100,000, the 5% LBE is a requirement.

3. Grading Note #1 on Sheet L2.2 of the Plan Set – The site is to balance prior to the installation of the 6" imported topsoil in the ground cover areas per Detail A-Ground Cover Planting on Sheet L6.8 of the plan set.

   Any soil excavated as non-suitable materials under all structures can remain on site and grades adjusted in no hardscape areas.

   Additionally, refer to Site Grading, Item No. 6, Paragraph A of the Specifications.

4. Water Play Area - The associated equipment specified for the water play area is shown on Sheet W-1 of the plan set. This sheet indicates the proposed water play equipment from the specified manufacturer as indicated on the plan. Associated water play equipment is also specified within the Water Play Equipment bid item of the project specifications. This bid item indicates that complete shop drawings shall be provided by the water play manufacturer indicating all associated water play equipment for a complete and operational system.

   Additionally the water play area layout and paving is shown and detailed on Sheets L1.4 and L1.5 of the plan set.

5. Lime-Treated Subgrade Alternative – If the contractor elects to lime treat the subgrade, he must meet the requirements as listed in the Lime-Treated Subgrade Alternative of Attachment #1, Geotechnical Report by Wallace and Kuhl and at no additional cost to the City.

6. Bid Proposal Form Quantities -The contractor shall establish the quantities based on the plans and provide a lump sum price for the actual quantity. The unit prices will be required after the contract is awarded.

7. Site grading is required for the alternates even if the alternates are not awarded.

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City of
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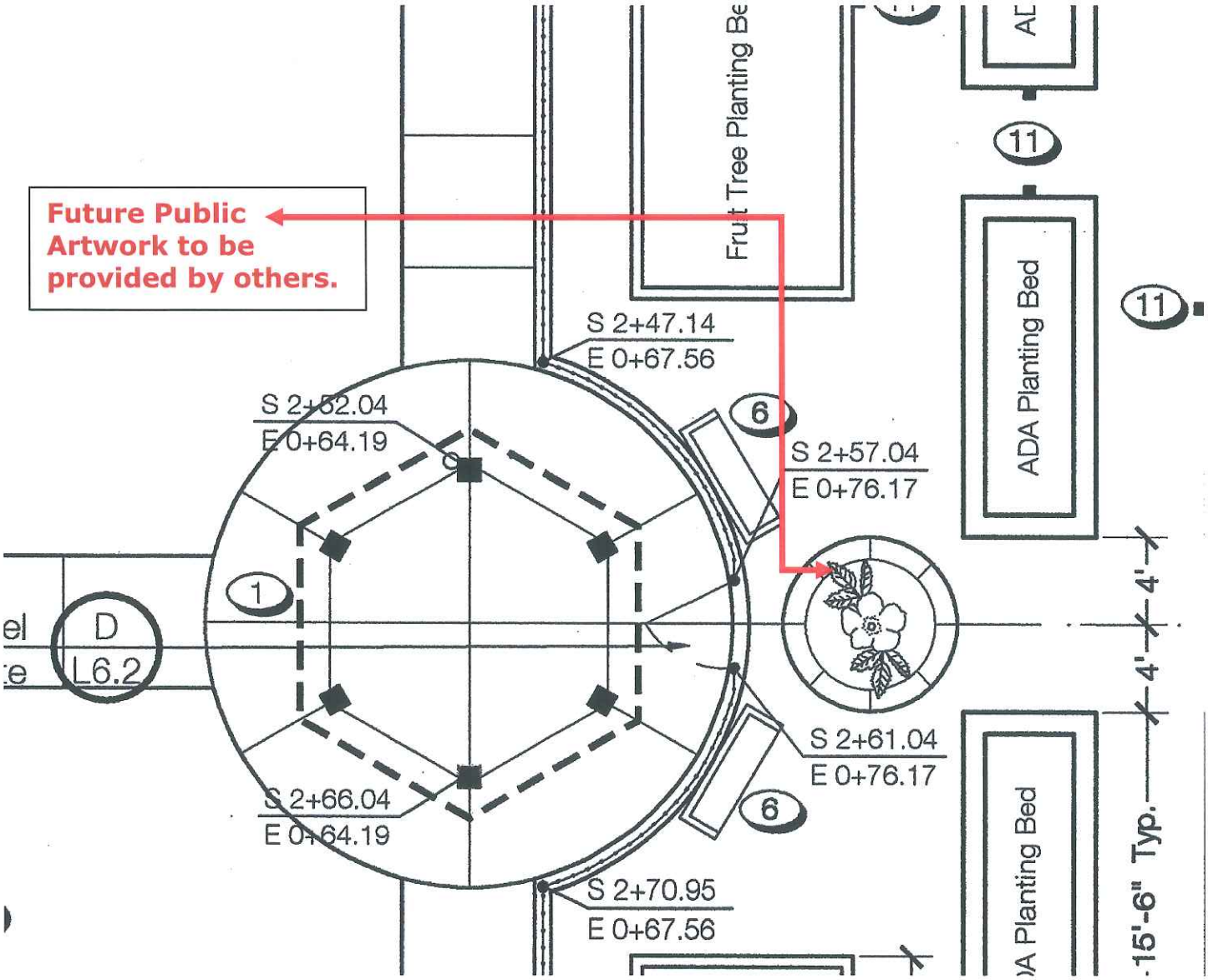
Parks and Recreation
Park Planning & Development Services
~Landscape Architecture Section~
915 I Street, 3rd Floor, Sacramento, CA 95814

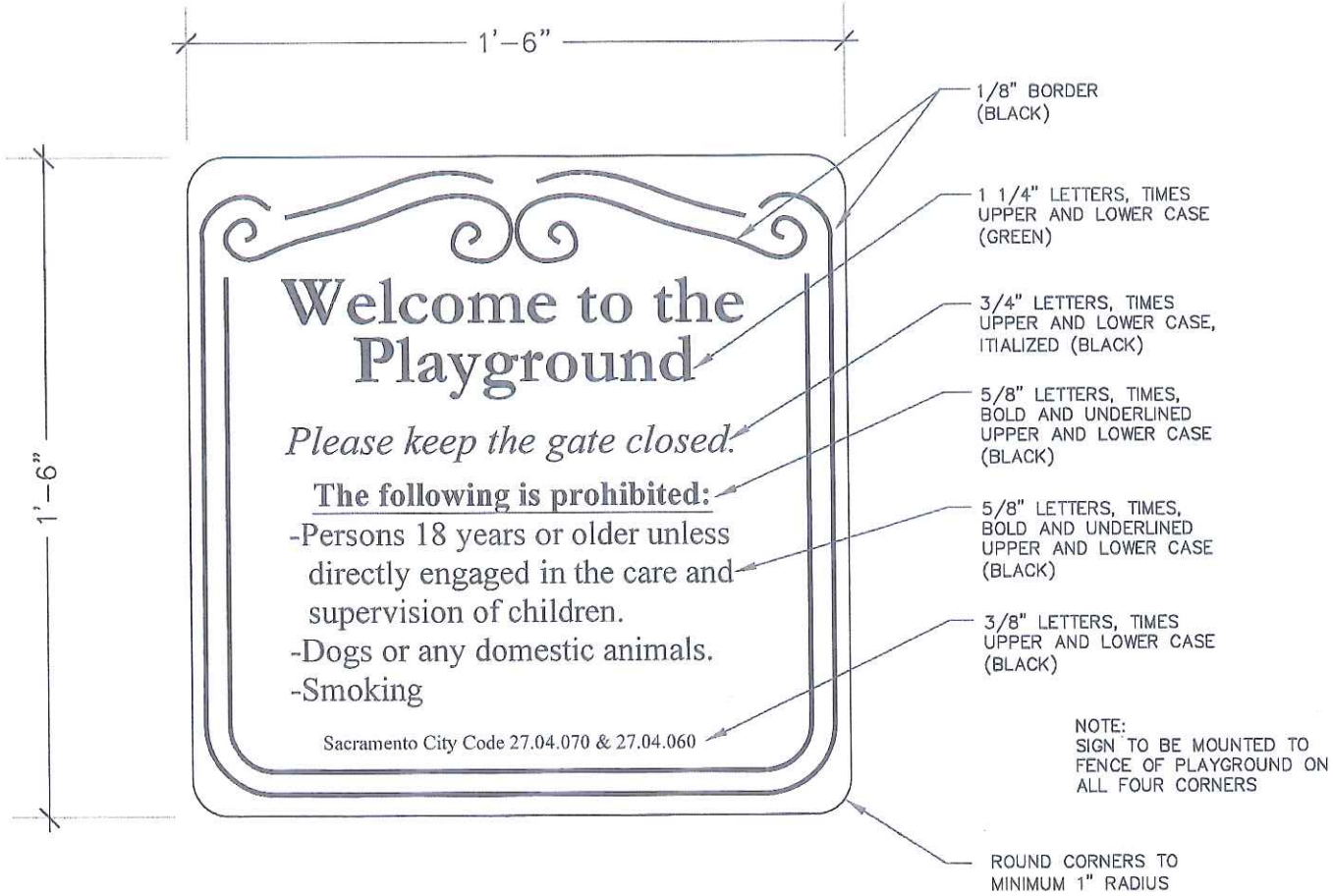
EXHIBIT #1

Sheet L1.6 per plan set, Detail A –Community Garden Enlargement, Add the following text to the flower design in front of the shelter: "Future Public Artwork to be provided by others." See below.



City of
SACRAMENTO
Parks and Recreation
Park Planning & Development Services
~Landscape Architecture Section~
915 I Street, 3rd Floor, Sacramento, CA 95814

EXHIBIT #2
Playground Sign Detail



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City of
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Parks and Recreation
Park Planning & Development Services
~Landscape Architecture Section~
915 I Street, 3rd Floor, Sacramento, CA 95814

EXHIBIT #3

Dry Creekbed at Demonstration Garden Detail

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City of
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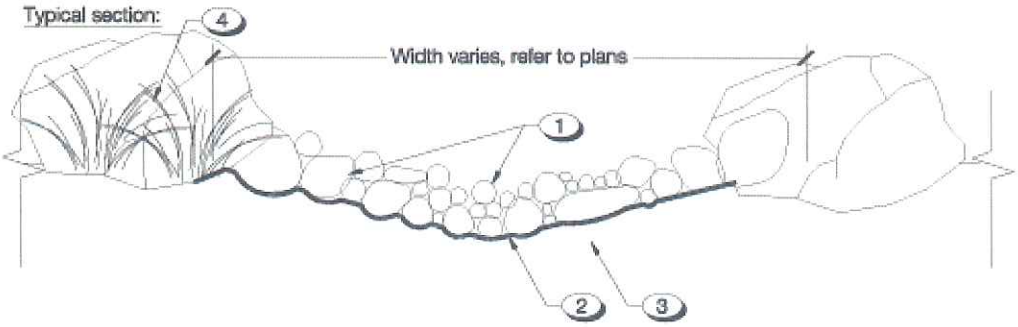
Park Planning & Development Services
~Landscape Architecture Section~
915 I Street, 3rd Floor, Sacramento, CA 95814

Typical section:



Key:

1. River-washed cobbles in mix of sizes: 20% 12"-18", 30% 8"-12", 50% 6"-8". Sizes shall be intermixed, with greater concentrations of smaller sizes toward the center of channel.
2. Landscape filter fabric
3. Existing subgrade
4. Plants to be incorporated along edges and basin of creek-bed. Refer to Planting Plan for additional information.

Notes:

1. Refer to boulder schedule in Detail E, sheet L6.8 for sizes of larger boulders A-C

Dry Creekbed at Demonstration Garden

NTS

Section

Project : Wild Rose Park		Scale : NTS	Dwg. # : SD-001
Date : 01.08.2014	PN : 10412	By : AS	
The HLA Group Landscape Architects & Planners, Inc. 2600 Capitol Avenue, Suite 120 / Sacramento, California 95816 916.447.7400 / 916.447.8270 fax / www.hlagroup.com		Rev # :	Description : Additional Information for callout 'D' on Sheet L1.1 - Add Alternate Bid Item #3 Demonstration Garden

ORIGINAL BID DUE DATE OF *January 15, 2014* REMAINS THE SAME.

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City of
SACRAMENTO
Parks and Recreation
Park Planning & Development Services
~Landscape Architecture Section~
915 I Street, 3rd Floor, Sacramento, CA 95814

This addendum is issued in conformance with the original plans and specifications.

Unchanged portions of the plans and special provisions remain in effect.

-END-

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City of
SACRAMENTO
Parks and Recreation

WILD ROSE PARK
(L19870001)
(Addendum #2)

B14190021009

January 7, 2014

To all Potential Bidders:

Attached hereto are addenda items, which shall be incorporated into the request for proposal for above noted project. These changes shall be considered as part of the original documents, as if they were originally provided therein, and as such shall be used as contractual documents. All other terms, conditions, and specifications of the bid remain unchanged. Bidders must acknowledge receipt of this addendum prior to the hour and date specified in the bid request, or as amended, by one of the following methods:

(a) By acknowledging receipt, on the proposal form submitted; or
(b) By separate letter or telegram which includes a reference to the bid request and addendum number.

Failure to acknowledge receipt of this addendum in one of the above methods and cause acknowledgment to be received at the Clerk's Office, 915 I Street, City Hall, **4TH Floor**, Sacramento, CA 95814-2671, prior to the hour and date specified for receipt of bids, may result in rejection of your offer. If by virtue of this addendum you decide to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the bid request number and this addendum, and is received prior to the opening hour and date specified.

For any contractual questions related to this Addendum, contact Tim Hopper at (916) 808-8173. For technical questions contact the project manager: TIN-WAH WONG at (916) 808-5540.

Very truly yours,

T. Hopper

Tim Hopper
Contracts & Compliance Specialist
Department of General Services

Enclosure

Clerk's Office

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Bid Number: B14190021009

ADDENDUM #2 DATE: January 7, 2014

WILD ROSE PARK
(L19870001)

Addendum #2 includes:

Sealed bids are to be delivered to the City Clerk's Public Counter by 2:00 pm on January 15, 2014 to the 4th FLOOR of the New City Hall, 915 I Street, Sacramento, CA. The old site was the 1st Floor. Contractors will need to allow time to get a badge from security to get access to the 4th Floor.

THE ORIGINAL BID DUE DATE OF JANUARY 15, 2014 REMAINS THE SAME.

UNCHANGED PORTIONS OF THE PLANS AND SPECIAL PROVISIONS REMAIN IN EFFECT.

Cc: File

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City of
SACRAMENTO
Parks and Recreation

WILD ROSE PARK
(L19870001)
(Addendum #1)

B14190021009

December 12, 2013

To all Potential Bidders:

Attached hereto are addenda items, which shall be incorporated into the request for proposal for above noted project. These changes shall be considered as part of the original documents, as if they were originally provided therein, and as such shall be used as contractual documents. All other terms, conditions, and specifications of the bid remain unchanged. Bidders must acknowledge receipt of this addendum prior to the hour and date specified in the bid request, or as amended, by one of the following methods:

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(b) By separate letter or telegram which includes a reference to the bid request and addendum number.

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Very truly yours,

Tim Hopper

Tim Hopper
Contracts & Compliance Specialist
Department of General Services

Enclosure

Clerk's Office

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City of
SACRAMENTO
Parks and Recreation
915 I Street, 3rd Floor, Sacramento, CA 95814

ADDENDUM NO. 1
(B14190021009)
for
WILD ROSE PARK
(L19187001)

Sacramento, California

December 12, 2013

Item 1: LOCAL BUSINESS ENTREPRISE (LBE) PARTICIPATION FORM

1. This form is to be submitted by the prime contractor. It is attached.

Item 2: LOCAL BUSINESS ENTREPRISE (LBE) UNINCORPORATED AREAS MAP

1. Map is attached

THE ORIGINAL BID DUE DATE OF *January 15, 2014* REMAINS THE SAME.

This addendum is issued in conformance with the original plans and specifications.
Unchanged portions of the plans and special provisions remain in effect.

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LOCAL BUSINESS ENTERPRISE (LBE) PARTICPATION PROGRAM

NOTE: Proposers must provide responses to the following items. Failure to provide a response to each of the items in this section may be grounds for rejection of the proposal.

1. LBE FIVE PERCENT (5%) PARTICIPATION

On April 3, 2012, the Sacramento City Council adopted a Local Business Enterprise (LBE) Preference Program to provide enhanced opportunities for the participation of local business enterprises (LBEs) in the City's contracting and procurement activities. On November 19, 2013, City Council increased the LBE preference and authorized City departments to require minimum LBE participation levels in individual contracts. Under City Code section 3.60.270 , when the bid specifications for a City contract establish a minimum participation level for LBEs, no bidder on the contract shall be considered responsive unless its bid meets the minimum LBE participation level required by the bid specifications.

The City has established a minimum 5% participation level for LBEs on this contract. Pursuant to City Code Section 3.60.270, no bidder on this contract shall be considered responsive unless its bid meets or exceeds this minimum participation level.

Local Business Enterprise means a business enterprise, including but not limited to, a sole proprietorship, partnership, limited liability company, corporation, or other business entity that has a legitimate business presence in the city or unincorporated county of Sacramento. Evidence of legitimate business presence in the city or unincorporated county of Sacramento shall include:

1. Having a current City of Sacramento Business Operation Tax or County of Sacramento Business License; and
2. Having either of the following types of offices or workspace operating legally within the city or unincorporated county of Sacramento:
    a. The LBE's principle business office or workspace; or
    b. The LBE's regional, branch or satellite office with at least one full time employee located in the city or unincorporated county of Sacramento.

A. LOCAL BUSINESS ENTERPRISE (LBE)

Is the firm submitting the bid qualified as a local business enterprise? Check the appropriate box below:

☐ **YES** - the firm submitting the bid is qualified as a local business enterprise.

☐ **NO** - the firm submitting the bid is not qualified as a local business enterprise.

If the response to the above is YES, provide the City of Sacramento Business Operations Tax Certificate Number and/or County of Sacramento Business License Number:

_____

If the response to the above is YES, provide a current copy of the City of Sacramento Business Operations Tax Certificate and/or County of Sacramento Business License.

If the response to the above is YES, provide business office or workspace address*:

_____

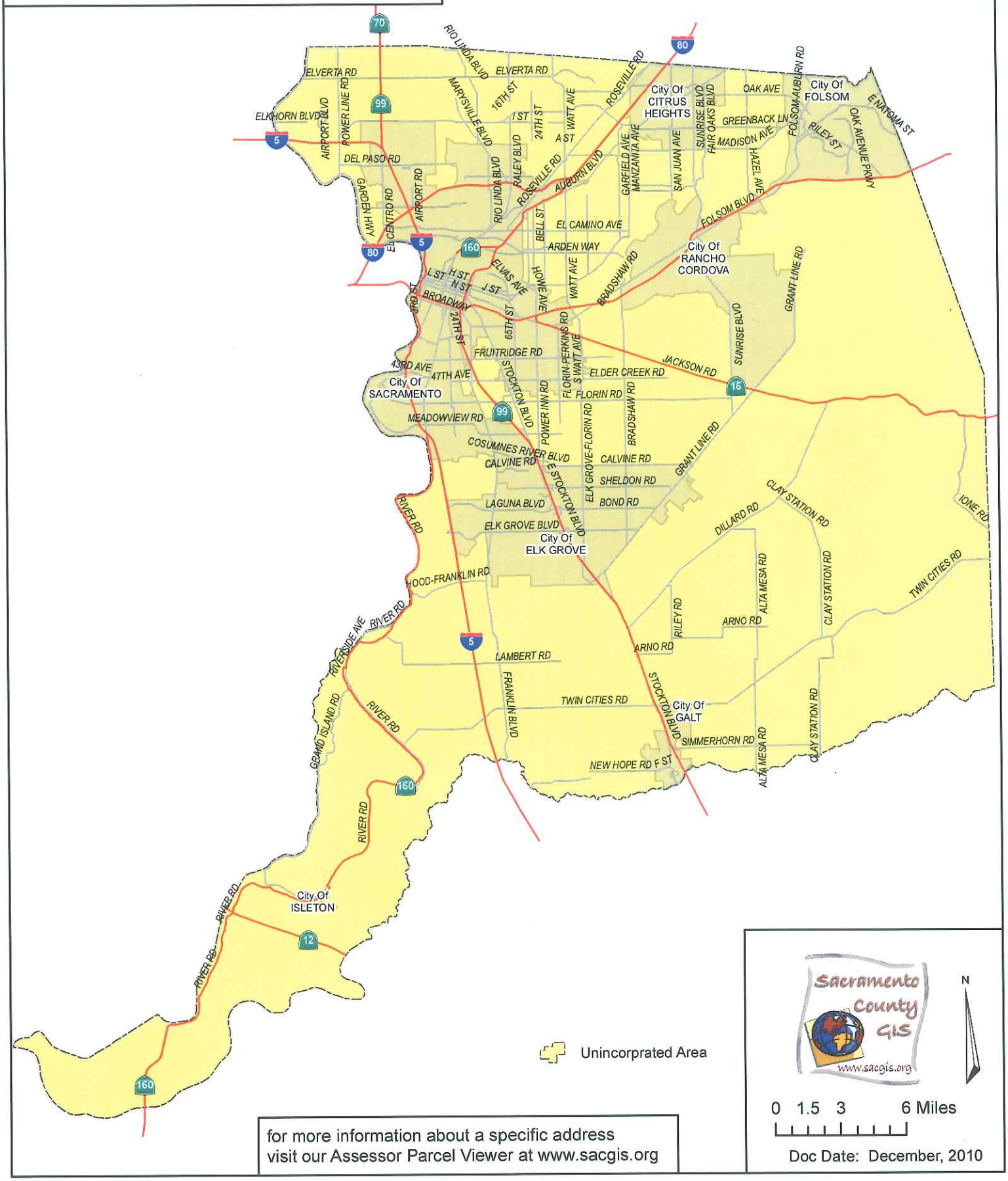
_____

_____

* Address must be a physical address for the basis of location, this excludes P.O. Box addresses.

SACRAMENTO COUNTY

UNICORPORATED AREAS



for more information about a specific address
visit our Assessor Parcel Viewer at www.sacgis.org

CONTRACTOR NAME: Peterson Developments

TO THE HONORABLE CITY COUNCIL
SACRAMENTO, CALIFORNIA:

In compliance with the Contract Documents, the undersigned hereby proposes to furnish all required labor, materials, supervision, transportation, equipment, services, taxes and incidentals required for:

WILD ROSE PARK
(L19187001)

in the City and County of Sacramento, California.

The Work is to be done in strict conformity with the Contract Documents now on file in the Office of the City Clerk, for the following sum:

Item No.	Item	Estimated Quantity	Unit	Unit Price	Total
1.	Temporary Construction Fencing	1	LS	$	$ 5,300
2.	Site Clearing and Grubbing	1	LS	$	$ 24,600
3.	Demolition	1	LS	$	$ 131,833
4.	Erosion and Sediment Control for Sites 1 Acre and Over	1	LS	$	$ 18,102
5.	Site Staking	1	LS	$	$ 8,000
6.	Site Grading	1	LS	$	$ 30,000
7.	6" PVC Drain Pipe	1	LS	$	$ 24,992
8.	8" PVC Drain Pipe	1	LS	$	$ 35,000
9.	10" PVC Drain Pipe	1	LS	$	$ 11,730
10.	12" PVC Drain Pipe	1	LS	$	$ 9,040
11.	6" French Drain	1	LS	$	$ 6180
12.	Catch Basin	1	LS	$	$ 42,900

13.	Play Area Catch Basin	1	LS	$	$ 2,500
14.	Water Play Area Deck Drain	1	LS	$	$ 1,000
15.	Storm Drain Manhole No. 4	1	LS	$	$ ~~[illegible]~~ 8300
16.	Sewer Manhole No. 3	1	LS	$	$ 10,000
17.	2" Sewer Pipe	1	LS	$	$ 5008
18.	6" Sewer Pipe	1	LS	$	$ 21,945
19.	Domestic Water System	1	LS	$	$ 14,500
20.	Site Electrical System	1	LS	$	$ 61,000
21.	Aggregate Base	1	LS	$	$ 31,000
22.	Concrete Flatwork	1	LS	$	$ 101,750
23.	Concrete Flatwork for Vehicular Access	1	LS	$	$ 44,850
24.	Colored Concrete Flatwork	1	LS	$	$ 17,820
25.	9" Concrete Mowstrip	1	LS	$	$ 95,250
26.	Concrete Mowstrip at Ballfield Fencing	1	LS	$	$ 4050
27.	6" Play Area Curb	1	LS	$	$ 14,300
28.	Play Area Access Ramp	1	LS	$	$ 1,500
29.	Concrete Driveway Access	1	LS	$	$ 900
30.	Concrete Seatwall	1	LS	$	$ 18,450
31.	Concrete Round Pilaster	1	LS	$	$ 4,560
32.	Concrete Step	1	LS	$	$ 1575
33.	Concrete Planter Curb	1	LS	$	$ 16,750

34.	Shade Structure at Central Gathering Area	1	LS	$	$ 52,336
35.	Fabric Shade Canopy at Play Area	1	LS	$	$ 52,606
36.	3' High Tubular Steel Fence at Play Area	1	LS	$	$ 18374
37.	Tubular Steel Fence and Gates at Community Garden	1	LS	$	$ 25,290
38.	Community Garden	1	LS	$	$ 9993
39.	Stabilized Decomposed Granite Pavement	1	LS	$	$ 17,277
40.	Removable Bollard	1	LS	$	$ 2,000
41.	Basketball Court Paving & Striping	1	LS	$	$ 5,000
42.	Basketball Post, Backboard, Goal and Net	1	LS	$	$ 11,845
43.	Baseball Backstop	1	LS	$	$ 16,273
44.	Baseball Overthrow Fence	1	LS	$	$ 14,059
45.	Baseball Field Accessories	1	LS	$	$ 3327
46.	Infield Mix	1	LS	$	$ 34,360
47.	Players' Bench	1	LS	$	$ 7597
48.	Drinking Fountain	1	LS	$	$ 7820
49.	Group BBQ	1	LS	$	$ 3120
50.	Picnic Table	1	LS	$	$ 11,636
51.	Round Plaza Table	1	LS	$	$ 18,045
52.	Bench	1	LS	$	$ 11,464
53.	Trash Receptacle	1	LS	$	$ 4548

54.	Bike Rack	1	LS	$	$ 3000
55.	Play Equipment	1	LS	$	$ 246,760
56.	Playground Wood Fiber	1	LS	$	$ 18,351
57.	Resilient Playground Surfacing	1	LS	$	$ 16,817
58.	Water Play/Spray Pad Equipment	1	LS	$	$ 62,872
59.	Concrete Park Sign	1	LS	$	$ 7777
60.	Park Rules Sign	1	LS	$	$ 3140
61.	Playground Sign	1	LS	$	$ 1500
62.	Booster Pump Assembly	1	LS	$	$ 25,884
63.	Irrigation Central Control System	1	LS	$	$ 74,602
64.	Automatic Irrigation System	1	LS	$	$ 249,414
65.	Soil Preparation and Finish Grading	1	LS	$	$ 105,932
66.	Landscape Weed Block Fabric	1	LS	$	$ 16,733
67.	Bark Mulch	1	LS	$	$ 46,845
68.	24" Box Tree	1	LS	$	$ 26,188
69.	15 Gallon Tree	1	LS	$	$ 5725
70.	Shrub and Groundcover Areas	1	LS	$	$ 33,393
71.	Turf Hydroseeding	1	LS	$	$ 21,388
72.	Plant Establishment (90 Days)	1	LS	$	$ 8064

BASE BID SUBTOTAL $ 2,126,000

S/B 2,126,040

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ADDITIVE ALTERNATE BID ITEMS:

A1.	Concrete Skate Area (Complete)	1	LS	$	$ 266,260
A2.	Shade Shelter at Community Garden, Skate Area & Seating Area	1	LS	$	$ 100,000
A3.	Demonstration Garden, Bocce Ball Court & Fitness Station	1	LS	$	$ 75,000
				ADDITIVE ALTERNATE SUBTOTAL	**$** 441,260
				BASE BID PLUS ADDITIVE ALTERNATE TOTAL	**$** 2,567,260

(F) – denotes final pay quantity

CONTRACTOR NAME: Peterson Developments **TOTAL $** 2,567,260

If awarded the Agreement, the undersigned agrees to sign said Agreement and furnish the necessary surety bonds and insurance certificates within ten (10) days after receipt of the notice of award of Agreement, and to begin work within fifteen (15) days after the Notice to Proceed by the City.

It is understood that this Bid Proposal is based upon completion of the Work within a period of **80 (Eighty Working Days)** from the Notice to Proceed for substantial completion and **90 (Ninety Calendar Days) for plant establishment**. The Contractor shall refer to Section 1.B Completion Time of the Special Provisions for calculation of the completion date.

The Notice to Proceed for this project will be issued on March 15, 2014 with the intent that Construction operations will begin no later than April 1, 2014.

The Landscape Architect's order of preference will be as follows: base bid first, followed by additive alternates in numerical order, based on funds available.

In determining the amount bid by each bidder, the City shall disregard mathematical errors in addition, subtraction, multiplication, and division that appear obvious on the face of the Proposal. When such a mathematical error appears on the face of the Proposal, the City shall have the right to correct such error and to compute the total amount bid by said bidder on the basis of the corrected figure or figures.

When an item price is required to be set forth in the Proposal, and the total for the item set forth separately does not agree with a figure which is derived by multiplying the item price times the

Engineer's estimate of the quantity of work to be performed for said item, the item price shall prevail over the sum set forth as the total for the item unless, in the sole discretion of the City, such a procedure would be inconsistent with the policy of the bidding procedure. The total paid for each such item of work shall be based upon the item price and not the total price. Should the Proposal contain only total price for the item and the item price is omitted, the City shall determine the item price by dividing the total price for the item by the Engineer's estimate of the estimated quantities of work to be performed as items of work.

If the Proposal contains neither the item price nor the total price for the item, then it shall be deemed incomplete and the Proposal shall be disregarded.

The undersigned has examined the location of the proposed Work, the local conditions at the place where the Work is to be done, is familiar with the Contract Documents and is familiar and expressly agrees to the liquidated damages provision of the Contract Documents. The undersigned has checked carefully all of the foregoing figures and understands that the City of Sacramento will not be responsible for any errors or omissions on the part of the undersigned in making up this Bid Proposal.

Enclosed is Bid Proposal Guarantee, as required, consisting of a bidder's bond or other acceptable security for not less than ten percent (10%) of the amount Bid Proposal.

The undersigned agrees that all addenda received and acknowledged herein shall become a part of and be included in this Bid Proposal. This Bid Proposal includes the following addenda:

Add. #	1	DATE	12/12/13
Add. #	2	DATE	1/7/14
Add. #	3	DATE	1/8/14
Add #	4	DATE	1/10/14

NOTE: State whether your concern is a corporation, a co-partnership, private individual, or individuals doing business under a firm name.

If the Bidder is a corporation, the Bid Proposal must be executed in the name of the corporation and must be signed by a duly authorized officer of the corporation.

If the Bidder is a partnership, the Bid Proposal must be executed in the name of the partnership and one of the partners must subscribe their signature thereto as the authorized representative of the partnership.

AMOUNT OF BID PROPOSAL GUARANTEE ENCLOSED:

($____10%____) not less than ten percent (10%) of amount Bid Proposal

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FOR CITY USE ONLY

BID BOND SECURITY
- ☐ *Properly Signed*
- ☐ *Improperly Signed*
- ☐ *Not Included*
- ☐ *Not Required*

TYPE OF DEPOSIT
- ☐ *Bid Bond*
- ☐ *Cashier/Certified Check*
- ☐ *Other* _____

Initial: _____

CONTRACTOR:

By: _____
(Signature)

Jon W. Peterson
(Print or Type)

Title OWNER
Address 4728 Kenneth Ave.
FAIR OAKS, CA 95628
Telephone No. 916-961-4756
Fax No. 916-966-0943
EMAIL ADDRESS leanne@petersondev.com
Date 1-15-14

PLEASE PRINT CLEARLY AS BID RESULTS WILL BE SENT VIA EMAIL

Contractor's License No. 302078 Type A, B, C10
Expiration Date 2/28/15
Tax I.D. Nos.- Fed. 94-2281604 State 485-85855
City of Sacramento Business Operation Tax Certificate No. _____
(City will not award contract if Certificate Number is missing.)

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LOCAL BUSINESS ENTERPRISE (LBE) PREFERENCE PROGRAM REQUIREMENTS

(City Contracts, no Federal Funds Used)

I. LBE PREFERENCE PROGRAM

On April 3, 2012, the Sacramento City Council adopted a Local Business Enterprise (LBE) Preference Program to provide enhanced opportunities for the participation of local business enterprises (LBEs) in the City's contracting and procurement activities. On November 19, 2013, City Council increased the LBE preference.

The LBE Program provides for **a five percent (5%) preference** on all City procurement opportunities under $100,000. For professional service contracts only, this preference also applies to procurement opportunities of $100,000 or more.

A bid or quotation submitted by a firm that is located within Sacramento city and/or the unincorporated county of Sacramento will receive a five percent (5%) bid evaluation preference for the purpose of determining the lowest responsible bidder. If, after applying the 5% bid evaluation preference, the bid of an LBE firm receiving such preference is determined to be the lowest responsible bid, the award will be made for the actual amount bid.

Bidders shall submit proof to the City demonstrating that the business is in compliance with all applicable laws relating to licensing and is not delinquent on any City of Sacramento or County of Sacramento taxes, permits, or fees.

II. LBE QUALIFICATION

A. A LBE designated in the bid must be qualified as a LBE prior to the time set for submission of bids.

B. Local Business Enterprise means a business enterprise, including but not limited to, a sole proprietorship, partnership, limited liability company, corporation, or other business entity that has a legitimate business presence in the city or unincorporated county of Sacramento. Proof of legitimate business presence in the city or unincorporated county of Sacramento shall include:

1. Having a current City of Sacramento Business Operation Tax or County of Sacramento Business License for at least twelve (12) consecutive months prior to submission of bid; and
2. Having either of the following types of offices or workspace operating legally within the city or unincorporated county of Sacramento for at least twelve (12) consecutive months prior to submission of bid:
    a. The LBE's principle business office or workspace; or
    b. The LBE's regional, branch or satellite office with at least one full time employee located in the city or unincorporated county of Sacramento.

C. A LBE must provide a physical address for the basis of location. This excludes P.O. Box addresses.

D. A LBE must provide a current copy of the City of Sacramento Business Operations Tax Certificate and/or County of Sacramento Business License.

III. APPLICATION OF LBE PREFERENCE

A. When applying the LBE preference to a Bid, the preference shall apply to the Bid price solely for Bid evaluation purposes such that the total price bid by a Local Business shall be reduced by five percent (5%) of the amount bid by that Local Business, and the reduced Bid amount shall be deemed the amount bid by that bidder. The Contract price shall in all events be the amount Bid by the successful bidder awarded the Contract.

B. When applying the LBE preference to a Proposal, the preference shall apply in the form of additional points to the Proposal's final score such that the score awarded to a Proposal submitted by a Local Business is increased by five percent (5%) of the total possible evaluation points.

C. The LBE preference shall apply to all City procurement opportunities under $100,000 and professional service contracts of $100,000 or more

IV. DEFINITIONS

A. Local Business Enterprise (LBE): A business enterprise, including but not limited to, a sole proprietorship, partnership, limited liability company, corporation, or any other business entity that has a legitimate business presence in the city or unincorporated county of Sacramento.

B. Proposal: Any response to a City solicitation for Proposals or Qualifications.

C. Bid: Any response to a City solicitation for bids.

LOCAL BUSINESS ENTERPRISE (LBE) PARTICIPATION REQUIREMENTS

(City Contracts no Federal Funds Used)

I. LBE PARTICIPATION REQUIREMENT

On April 3, 2012, the Sacramento City Council adopted a Local Business Enterprise (LBE) Preference Program to provide enhanced opportunities for the participation of local business enterprises (LBEs) in the City's contracting and procurement activities. On November 19, 2013, City Council increased the LBE preference percentage and authorized City departments to require minimum LBE participation levels in specific contracts. Under City Code section 3.60.270, when the bid specifications for a City contract establish a minimum participation level for LBEs, no bidder on the contract shall be considered responsive unless its bid meets the minimum LBE participation level required by the bid specifications.

The City has established **a minimum 5% participation level for LBEs on this contract.** Pursuant to City Code Section 3.60.270, no bidder on this contract shall be considered responsive unless its bid meets or exceeds this minimum participation level.

Bidders shall submit proof to the City demonstrating that the business and each subcontractor, trucker, material supplier, or other business entity listed on the forms submitted are in compliance with all applicable laws relating to licensing and are not delinquent in payment of any City of Sacramento or County of Sacramento taxes, permits, or fees. Failure to submit the required LBE information may be grounds for finding the bid non-responsive.

II. LBE QUALIFICATION

A. A LBE designated in the bid must be qualified as a LBE prior to the time set for submission of bids.

B. Local Business Enterprise means a business enterprise, including but not limited to, a sole proprietorship, partnership, limited liability company, corporation, or other business entity that has a legitimate business presence in the city or unincorporated county of Sacramento. Proof of legitimate business presence in the city or unincorporated county of Sacramento shall include:

1. Having a current City of Sacramento Business Operation Tax or County of Sacramento Business License for at least twelve (12) consecutive months prior to submission of bid; and
2. Having either of the following types of offices or workspace operating legally within the city or unincorporated county of Sacramento for at least twelve (12) consecutive months prior to submission of bid:
    a. The LBE's principle business office or workspace; or
    b. The LBE's regional, branch or satellite office with at least one full time employee located in the city or unincorporated county of Sacramento.

C. A LBE must provide a physical address for the basis of location. This excludes P.O. Box addresses.

D. A LBE must provide a current copy of the City of Sacramento Business Operations Tax Certificate or County of Sacramento Business License.

III. DETERMINATION OF LBE PARTICIPATION LEVEL

A. LBE Participation: The percentage of LBE participation is determined based on the dollar value of the work to be performed or supplies to be furnished by certified LBEs designated in the bidder's Subcontractor and LBE Participation Verification Form, relative to the total dollar amount of the bid.

B. Participation Credit: To receive credit for participation:(1) an LBE subcontractor must be responsible for the execution of a distinct element of the work, must possess any license or certification required for the work, and must actually perform, manage, or supervise the work without subcontracting or otherwise shifting any portion of the work to another subcontractor; and (2) an LBE supplier must furnish materials, equipment, or supplies that the supplier sells as a recurring, although not necessarily primary, part of its business, and that are necessary for performance of the work.

C. Suppliers: Credit for an LBE supplier of materials, equipment, or supplies is counted as one hundred (100) percent of the amount paid to the supplier for the material, equipment, or supplies. To receive this credit, LBE suppliers must be listed on the bidder's Subcontractor and LBE Participation Verification Form.

D. Subcontractors (including truckers): To receive credit for an LBE subcontractor, the subcontractor must be listed on the bidder's Subcontractor and LBE Participation Verification Form.

- Truckers: Credit for an LBE trucker is counted as one hundred (100) percent of the amount paid to the trucker for trucking services, not including any amount paid to the trucker for the cost of any materials, equipment, or supplies being transported by the trucker.

IV. LBE REQUIREMENTS FOR CONTRACTOR

A. LBE Records: The Contractor shall maintain records of all subcontracts with verified LBE subcontractors and records of materials purchased from verified LBE suppliers for one (1) year after receiving final payment from the City. Such records shall show the name and business address of each LBE subcontractor or supplier and the total dollar amount actually paid each LBE subcontractor or supplier.

Not later than 30 days after completion of the work performed under the contract, a summary of these records shall be prepared, certified correct by the Contractor's authorized representative and furnished to the City. The Contractor shall provide such other information, records, reports, certifications or other documents as may

be required by City, to determine compliance with any provision of the LBE program or these specifications.

B. Performance of LBE Subcontractors and Suppliers: The LBEs listed by the Contractor shall perform the work and supply the materials, equipment, and supplies for which they are listed unless the Contractor has received prior written authorization from the City to perform the work with other forces or to obtain the material, equipment, or supplies from other sources. Reasons for requesting such authorization would include:

1. The listed LBE fails to execute a written contract based upon the general terms, conditions, plans, and specifications for the project.

2. The listed LBE becomes bankrupt or insolvent.

3. The listed LBE subcontractor fails to meet the bond requirements of the Contractor.

4. The work performed or the materials/equipment/supplies provided by the listed LBE are unsatisfactory or are not in accordance with the plans and specifications, or the listed LBE fails to perform its contractual obligations.

5. It would be in the best interest of the City.

C. Subcontractor Substitution: No substitution of an LBE subcontractor shall be made at any time without compliance with the Subletting and Subcontracting Fair Practices Act. If an LBE subcontractor is unable to perform successfully and is to be replaced, the Contractor shall make reasonable efforts to replace the original LBE subcontractor with another verified LBE subcontractor. The new LBE subcontractor must be verified at the time of substitution.

D. Reporting and Utilization Requirements and Sanctions: Failure to provide specific information, records, reports, certifications, or any other documents required for compliance with these specifications, or failure to utilize one or more LBEs in substantial compliance with the LBE utilization indicated in the Contractor's bid (unless otherwise authorized by City as provided herein, or when such failure results from changes to the work approved by the City), shall be considered a breach of the contract, and a deduction may be made from the contract amount. The deduction shall be not more than ten (10) percent of the value of the work or materials/equipment/supplies that the subject LBE(s) were listed to perform/provide in the Contractor's bid, and shall be deducted from any payment due to the Contractor. This is in addition to any deduction that may be made under any other provision of the contract, the Sacramento City Code, or State law.

E. Hearing and Review of Division Manager Decision: Prior to making a deduction pursuant to Section IV (D), above, the City shall provide written notice of the proposed deduction to the Contractor, and the Contractor may, not later than five (5) working days after receiving such notice, provide a written request to City for a hearing to contest the proposed deduction. Upon receipt of a timely written

request from the Contractor, the City shall schedule a hearing before the Division Manager (as defined in the City's Standard Specifications for Public Construction), and written notice of the date, time and location of the hearing shall be provided to the Contractor not less than five (5) working days prior to the date of the hearing. The hearing shall be conducted in the manner specified in Section 4-8 of the Standard Specifications, and the Division Manager shall prepare and forward to the Contractor a written decision as soon as practicable after the hearing. The Division Manager's decision shall be subject to review in accordance with the provisions of Section 4-9 of the Standard Specifications. Failure to request such review in compliance with the requirements set forth in Section 4-9 shall constitute acceptance of the Division Manager's decision by the Contractor.

The written notices and requests described above shall be provided by registered or certified mail (return receipt requested), by telecopy, by personal delivery, or by any other method that provides reliable evidence of the date of receipt. Written notice provided by telecopy shall be deemed received on the date that it is transmitted and transmission is confirmed by the transmitting machine. Written notice provided by personal delivery shall be deemed received on the date of delivery.

V. DEFINITIONS

A. Local Business Enterprise (LBE): A business enterprise, including but not limited to, a sole proprietorship, partnership, limited liability company, corporation, or any other business entity that has a legitimate business presence in the city or unincorporated county of Sacramento.

B. Contractor: The sole proprietorship, partnership, limited liability company, corporation, or any other business entity entering into a contract with the City of Sacramento.

C. Subcontractor: The sole proprietorship, partnership, limited liability company, corporation, or other business entity entering into a contract with the prime contractor to perform a portion of the work.

D. Supplier: The sole proprietorship, partnership, limited liability company, corporation, or other business entity to provide materials, equipment, or supplies necessary for performance of the work.

E. Proposal: Any response to a City solicitation for Proposals or Qualifications.

F. Bid: Any response to a City solicitation for bids.

LOCAL BUSINESS ENTERPRISE (LBE) PARTICPATION PROGRAM

NOTE: Proposers must provide responses to the following items. Failure to provide a response to each of the items in this section may be grounds for rejection of the proposal.

1. LBE FIVE PERCENT (5%) PARTICIPATION

On April 3, 2012, the Sacramento City Council adopted a Local Business Enterprise (LBE) Preference Program to provide enhanced opportunities for the participation of local business enterprises (LBEs) in the City's contracting and procurement activities. On November 19, 2013, City Council increased the LBE preference and authorized City departments to require minimum LBE participation levels in individual contracts. Under City Code section 3.60.270 , when the bid specifications for a City contract establish a minimum participation level for LBEs, no bidder on the contract shall be considered responsive unless its bid meets the minimum LBE participation level required by the bid specifications.

The City has established a minimum 5% participation level for LBEs on this contract. Pursuant to City Code Section 3.60.270, no bidder on this contract shall be considered responsive unless its bid meets or exceeds this minimum participation level.

Local Business Enterprise means a business enterprise, including but not limited to, a sole proprietorship, partnership, limited liability company, corporation, or other business entity that has a legitimate business presence in the city or unincorporated county of Sacramento. Evidence of legitimate business presence in the city or unincorporated county of Sacramento shall include:

1. Having a current City of Sacramento Business Operation Tax or County of Sacramento Business License; and
2. Having either of the following types of offices or workspace operating legally within the city or unincorporated county of Sacramento:
    a. The LBE's principle business office or workspace; or
    b. The LBE's regional, branch or satellite office with at least one full time employee located in the city or unincorporated county of Sacramento.

A. LOCAL BUSINESS ENTERPRISE (LBE)

Is the firm submitting the bid qualified as a local business enterprise? Check the appropriate box below:

☐ **YES** - the firm submitting the bid is qualified as a local business enterprise.

☒ **NO** - the firm submitting the bid is not qualified as a local business enterprise.

If the response to the above is YES, provide the City of Sacramento Business Operations Tax Certificate Number and/or County of Sacramento Business License Number:

_____

If the response to the above is YES, provide a current copy of the City of Sacramento Business Operations Tax Certificate and/or County of Sacramento Business License.

If the response to the above is YES, provide business office or workspace address*:

_____

_____

_____

* Address must be a physical address for the basis of location, this excludes P.O. Box addresses.

KNOW ALL MEN BY THESE PRESENTS,

That we, Peterson Developments

as Principal, and The Hanover Insurance Company

a corporation duly organized under the laws of the State of New Hampshire and duly licensed to become sole surety on bonds required or authorized by the State of California, as Surety, are held and firmly bound unto the City of Sacramento, hereinafter called the City, in the penal sum of ten percent (10%) of the (BASE OR LUMP SUM) Proposal of the Principal above named, or other amount as set forth in the Invitation to Bidders, submitted by said Principal to the City for the Work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH
That whereas the Principal has submitted the above-mentioned Proposal to the City, for which Proposals are to be opened at the Department of City Clerk, City of Sacramento, located at **915 I Street, Historic City Hall, 2nd Floor, Sacramento, CA 95814** up to the hour of 2:00 p.m. on **JANUARY 15, 2014** for the Work specifically described as follows:

WILD ROSE PARK (L19187001)

NOW, THEREFORE, if the aforesaid Principal is awarded the Contract and within the time and manner required under the Contract Documents, enters into a written Contract, in the prescribed form, in accordance with the Proposal, and files two (2) bonds with the City, one to guarantee faithful performance and the other to guarantee payment for labor and materials, and files the required insurance policies with the City, all as required by the Contract Documents or by law, then the obligation shall be null and void; otherwise it shall be and remain in full force and effect.

In the event suit is brought upon this bond by the Obligee and judgment is recovered, the Surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the court, which sums shall be additional to the principal amount of this bond.

IN WITNESS THEREOF We have hereunto set our hands and seal this 8th day of January 20 14.

Peterson Developments
(Contractor) (Seal)
By
Title OWNER

ORIGINAL APPROVED AS TO FORM:

City Attorney

The Hanover Insurance Company
(Surety)(Seal)
By
Title Kathleen Beck, Attorney-in-Fact
Agent Name and Address Leavitt Group
1390 Willow Pass Road #200, Concord, CA 94520
Agent Phone # 800-234-6363
Surety Phone # 206-454-8711
California License # 0545478

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THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

POWERS OF ATTORNEY
CERTIFIED COPY

KNOW ALL MEN BY THESE PRESENTS: That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both bein corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, do hereby constitute and appoint

Kathleen Beck, Billy G. Bergan, Susan J. Peragallo, Patricia Drew and/or Carolyn Walker

of **Concord, CA** and each is a true and lawful Attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, or, if the following line be filled in, only within the area therein designated any and all bonds, recognizances, undertakings, contracts of indemnity or other writings obligatory in the nature thereof, as follows:

Any such obligations in the United States, not to exceed Ten Million and No/100 ($10,000,000) in any single instance

and said companies hereby ratify and confirm all and whatsoever said Attorney(s)-in-fact may lawfully do in the premises by virtue of these presents. These appointments are made under and by authority of the following Resolution passed by the Board of Directors of said Companies which resolutions are still in effect:

"RESOLVED, That the President or any Vice President, in conjunction with any Vice President, be and they are hereby authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as its acts, to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this **7th** day of **May 2013**.

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

Robert Thomas, Vice President

Joe Brenstrom, Vice President

THE COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF WORCESTER) ss.

On this **7th** day of **May 2013** before me came the above named Vice Presidents of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.

BARBARA A. GARLICK
Notary Public
Commonwealth of Massachusetts
My Commission Expires Sept. 21, 2018

Barbara A. Garlick, Notary Public
My Commission Expires September 21, 2018

I, the undersigned Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

This Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America.

"RESOLVED, That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or any Vice President in conjunction with any Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this 8th day of January 20 14.

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

J. Michael Pete, Vice President

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

State of California
County of Contra Costa

On January 8, 2014 , before me, Robin Rasmussen, Notary Public personally appeared Kathleen Beck

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.

ROBIN RASMUSSEN
Commission # 1967529
Notary Public - California
Contra Costa County
My Comm. Expires Jan 26, 2016

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

WITNESS my hand and official seal.

Robin Rasmussen Signature of Notary Public

---*Optional*---

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of attached Document
Title or Type of Document: Bid Bond

Document Date January 8, 2014 Number of Pages: 1

Signer(s) Other Than Named Above: _____

Capacity(ies) claimed by Signer(s)

Signer's Name: Kathleen Beck
☐ Individual
☐ Corporate Officer
Title(s):
☐ Partner-☐Limited ☐General
☒ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other : _____

Signer is Representing:
The Hanover Insurance Company

RIGHT THUMBPRINT OF SIGNER
Top of Thumb Here

Signer's Name:
☐ Individual
☐ Corporate Officer
Title(s):
☐ Partner-☐Limited ☐General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other : _____

Signer is Representing: _____

RIGHT THUMBPRINT OF SIGNER
Top of Thumb Here

VERIFICATION AND SIGNATURE

I, the undersigned, certify and declare that I have read all the foregoing answers to this Minimum Qualifications Questionnaire, and know their contents. The matters stated in these Questionnaire answers are true of my own knowledge and belief, except as to those matters stated on information and belief, and as to those matters I believe them to be true. I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Signed at FAIR OAKS, CA (Sac County) on 1-14-14.
(Location) (Date)

Signature: _____

Print name: Jon W. Peterson

Title: OWNER

NOTE: If two or more entities submit a bid on a contract as a Joint Venture, each entity within the Joint Venture must submit a separate Minimum Qualifications Questionnaire.

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

Green Contracting Survey
(Voluntary)

The City of Sacramento and the Sacramento Metropolitan Air Quality District (SMAQMD) are conducting a joint pilot project to help meet Federal Clean Air Standards for the Sacramento region.

Attached is a Green Contracting Fleet Inventory Form. Please complete the form, remove it from the bid package and return it to SMAQMD in the postage paid envelope provided with the bid package. Please do not return the Green Contracting Fleet Inventory Form to the City of Sacramento with the bid documents or otherwise.

A limited amount of funds and other financial incentives may be available to qualified contractors participating in this joint project to assist qualified contractors with upgrading and/or replacing equipment and/or trucks.

Completing and returning the Green Contracting Fleet Inventory Form is strictly voluntary.

Voluntary Green Contracting Fleet Inventory List (On-Road Equipment)

In Partnership with the City of Sacramento and the Sacramento Metropolitan Air Quality Management District

Company Name:	
Contact Name:	
Company Address:	
City, State, ZIP:	
Company Phone:	

City Bid Information	
Department	
Project #	
ESBE/SBE?	

Instructions:

a) Please enter the vehicle / equipment information for each unit used in conjunction with your City of Sacramento Bid.
b) All fields are required for both on-road heavy-duty vehicles and off-road construction equipment over 50 HP.
c) Electronic version available at http://www.airquality.org/ceqa/index.shtml
d) For additional questions, please call (916) 874-4892

Please Submit To:

Kristian Damkier, P.E.
Sacramento Metropolitan AQMD
777 12th St, 3rd Floor
Sacramento, CA 95814-1908

#	VIN	License Plate	Vehicle Information			Engine Information				Annual Usage (miles)	Received Funding
			Make	Model	Year	Make	Model	Year	HP		
(ex)	*1XP5AAC35RG339402*	*1T45678*	*Kenworth*	*T-300*	*2002*	*Cummins*	*ISB*	*2002*	*250*	*35,000*	*No*

DRUG-FREE WORKPLACE POLICY AND AFFIDAVIT

BID PROPOSAL MAY BE DECLARED NONRESPONSIVE IF THIS FORM (COMPLETED) IS NOT ATTACHED.
Pursuant to City Council Resolution CC90-498 dated 6/26/90 the following is required.

The undersigned contractor certifies that it and all subcontractors performing under this Agreement will provide a drug-free workplace by:

1. Publishing a "Drug-Free Workplace" statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2. Establishing a Drug-Free Awareness Program to inform employees about:

   a. The dangers of drug abuse in the workplace.
   b. The contractor's policy of maintaining a drug-free workplace.
   c. Any available drug counseling, rehabilitation, and employee assistance program.
   d. The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace.

3. Notify employees that as a condition of employment under this Agreement, employees will be expected to:

   a. Abide by the terms of the statement.
   b. Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace.

4. Making it a requirement that each employee to be engaged in the performance of the Agreement be given a copy on the "Drug-Free Workplace" statement.

5. Taking one of the following appropriate actions, within thirty (30) days of receiving notice from an employee or otherwise receiving such notice, that said employee has received a drug conviction for a violation occurring in the workplace:

   a. Taking appropriate disciplinary action against such an employee, up to and including termination; or
   b. Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state, or local health, law enforcement or other appropriate agency.

* I certify that no person employed by this company, corporation, or business has been convicted of any criminal drug statute violation on any job site or project where this company, corporation or business was performing was within three years of the date of my signature below.

EXCEPTION: _____ _____ _____
Date **Violation Type** **Place of Occurrence**

If additional space is required use back of this form.

*** The above statement will also be incorporated as a part of each subcontract agreement for any and all subcontractors selected for performance on this project.**

IN THE EVENT THIS COMPANY, CORPORATION, OR BUSINESS IS AWARDED THIS CONSTRUCTION AGREEMENT, AS A RESULT OF THIS BID; THE CONTRACTOR WITH HIS/HER SIGNATURE REPRESENTS TO THE CITY THAT THE INFORMATION DISCLOSED IN THIS DOCUMENT IS COMPLETE AND ACCURATE. IT IS UNDERSTOOD AND AGREED THAT FALSE CERTIFICATION IS SUBJECT TO IMMEDIATE TERMINATION BY THE CITY.

The Representations Made Herein On This Document Are Made Under Penalty Of Perjury.

CONTRACTOR'S NAME: Peterson Developments

BY: _____ OWNER **Date:** 1-14-14
Signature **Title**

Effects of violations: a. Suspension of payments under the Agreement. **b.** Suspension or termination of the Agreement. **c.** Suspension or debarment of the contractor from receiving any Agreement from the City of Sacramento for a period not to exceed five years.

h:\documents\contract mgmt\wild rose park\construction bid_12-3-13\construction docs_planet bids\18-drug free.docx

City of
SACRAMENTO

Subcontractor and Local Business Enterprise (LBE) Participation Form

THIS FORM MUST BE SUBMITTED WITH THE SEALED BID PROPOSAL
USE ONLY BASE BID AMOUNT TO ESTIMATE DOLLAR VALUE

To be eligible for award of this contract, the bidder shall list the business entities used to attain the 5% LBE requirement. Additionally, the bidder shall list all other subcontractors who perform work, render service, or provide materials in an amount in excess of one-half of 1 percent of the total bid amount. In the case of bids for the construction of streets and highways, including bridges, subcontractors whose subcontract value exceeds one-half of 1 percent of the total bid or ten thousand dollars ($10,000), whichever is greater, shall be listed. Estimated dollar values shall be provided for all work / services listed. The failure to attain the 5% LBE participation or the inclusion of false information or the omission of required information will render the bid non-responsive.

Prime Contractor Name: Peterson Developments Base Bid Amount: 2,126,000 Is the Prime Contractor a LBE ? ____Yes ✓ No

Business Entity/Subcontractor Name and Address	Subcontractor License No.	Indicate LBE (subject to verification)	Items of Work and/or Description of Work, Services, or Materials to be provided to complete contract	Estimated Dollar Value of Work, Services, or Materials to be provided for Base Bid
Sierra National Asphalt 5433 El Camino Carmichael, CA 95608	855769	NO	site concrete	325,000
Surveyors Group 9001 Foothills Blvd ~80 Roseville, CA 95747	n/a	NO	Surveying	8,000
Arrow Fencing 4025 Cincinnati Rocklin CA 95765	436008	NO	Fencing	58,000
Parker Landscaping 6251 Skycreek Rd. Sac, CA 95828	140622	LBE	Landscaping	$631,000
Who Built PO Box 5207 Petaluma, CA 94955	808069	NO	play Equipment install	$28,000

The Prime Contractor hereby certifies that each subcontractor listed on this Subcontractor and LBE Participation Form has been notified that it has been listed and has consented in writing to its name being submitted for this contract. The Prime Contractor also certifies that it will notify each subcontractor listed on this Form in writing if the contract award is made to the Prime Contractor, and will make all documentation relevant to the subcontractor and LBE participation available to City of Sacramento upon request. The Prime Contractor further certifies that all of the information contained in this Form is true and correct and acknowledges that the City will rely on the accuracy of this information in awarding the contract.

COPY AND ATTACH ADDITIONAL SHEETS AS NECESSARY

LBE PRIME CONTRACTOR AND SUBCONTRACTOR PARTICIPATION VERIFICATION INFORMATION ARE DUE BY CLOSE OF BUSINESS TWO DAYS AFTER BID OPENING.
THE SUBCONTRACTOR LICENSING NUMBER IS DUE WITHIN 24 HOURS OF THE BID DUE DATE AND TIME.

City of
SACRAMENTO

Subcontractor and Local Business Enterprise (LBE) Participation Form

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Prime Contractor Name: Peterson Developments Base Bid Amount: 3,126,000 Is the Prime Contractor a LBE ? ____Yes ✓ No

Business Entity/Subcontractor Name and Address	Subcontractor License No.	Indicate LBE (subject to verification)	Items of Work and/or Description of Work, Services, or Materials to be provided to complete contract	Estimated Dollar Value of Work, Services, or Materials to be provided for Base Bid
community playground 200 commercial st Vallejo, CA 94589	362950	NO	Water Play Equip. Install	$67,000
community playground 200 commercial st Vallejo, CA 94589	362950	NO	Poligon struct. install	$10,400
GeoCon Skateparks 24738 Gallineta way Ramona, CA 92065	506706	NO	Skatepark	225,000
Barrys Backhoe 2764 N. Tracy Blvd Tracy CA 95376	323493	NO	Underground	194,000

The Prime Contractor hereby certifies that each subcontractor listed on this Subcontractor and LBE Participation Form has been notified that it has been listed and has consented in writing to its name being submitted for this contract. The Prime Contractor also certifies that it will notify each subcontractor listed on this Form in writing if the contract award is made to the Prime Contractor, and will make all documentation relevant to the subcontractor and LBE participation available to City of Sacramento upon request. The Prime Contractor further certifies that all of the information contained in this Form is true and correct and acknowledges that the City will rely on the accuracy of this information in awarding the contract.

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Prime Contractor Name: Peterson Developments Base Bid Amount: 3,126,000 Is the Prime Contractor a LBE ? ____Yes ✓ No

Business Entity/Subcontractor Name and Address	Subcontractor License No.	Indicate LBE (subject to verification)	Items of Work and/or Description of Work, Services, or Materials to be provided to complete contract	Estimated Dollar Value of Work, Services, or Materials to be provided for Base Bid
Hodgson Engineering PO Box 1903 Placerville, CA 95667	553771	NO	Earthwork	87,000
Tot Turf (Robertson Industries) 449 E. Baseline #105 Phoenix, AZ 85042	667261	NO	playground Surfacing	$17,000

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City of
SACRAMENTO

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Prime Contractor Name: Peterson Developments Base Bid Amount: 2,126,000 Is the Prime Contractor a LBE ? ____Yes ✓ No

Business Entity/Subcontractor Name and Address	Subcontractor License No.	Indicate LBE (subject to verification)	Items of Work and/or Description of Work, Services, or Materials to be provided to complete contract	Estimated Dollar Value of Work, Services, or Materials to be provided for Base Bid

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THE SUBCONTRACTOR LICENSING NUMBER IS DUE WITHIN 24 HOURS OF THE BID DUE DATE AND TIME.

MUST BE POSTED IN CONSPICUOUS PLACE

CITY OF SACRAMENTO

BUSINESS OPERATIONS TAX CERTIFICATE

140622

140622

		FROM Mo. Day Yr.	TO Mo. Day Yr.
Business Name	PARKER LANDSCAPE DEVELOPMEN		
Business Address	6251 SKY CREEK DR A		
Owner	TIM J PARKER	04/01/2013	03/31/2014
Type of Business	LANDSCAPE		Expires
Tax Classification	401		

TOTAL PAID: $149.66

CITY OF SACRAMENTO
MAR 13 2013
PAID

VOID IF NOT VALIDATED

PARKER LANDSCAPE DEVELOPMENT
6251 SKY CREEK DR A
SACRAMENTO, CA 95828

THIS STUB MAY BE FOLDED/DETACHED BEFORE POSTING

This certificate is not to be construed as a business license or imply that the City of Sacramento has investigated, or approves or recommends, the holder of this certificate. Any representation to the contrary is fraudulent. (This certificate must be renewed within 30 days of expiration).

DEPARTMENT OF CONSUMER AFFAIRS
Contractors State License Board

Contractor's License Detail - License # 302078

DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.

- CSLB complaint disclosure is restricted by law (B&P 7124.6) If this entity is subject to public complaint disclosure, a link for complaint disclosure will appear below. Click on the link or button to obtain complaint and/or legal action information.
- Per B&P 7071.17 , only construction related civil judgments reported to the CSLB are disclosed.
- Arbitrations are not listed unless the contractor fails to comply with the terms of the arbitration.
- Due to workload, there may be relevant information that has not yet been entered onto the Board's license database.

License Number	**302078**	**Extract Date** 2/18/2014
Business Information	PETERSON DEVELOPMENTS Business Phone Number: (916) 961-4756 4728 KENNETH AVENUE FAIR OAKS, CA 95628	
Entity	Sole Ownership	
Issue Date	01/24/1975	
Expire Date	02/28/2015	
License Status	ACTIVE This license is current and active. All information below should be reviewed.	
Classifications	CLASS / DESCRIPTION A / GENERAL ENGINEERING CONTRACTOR B / GENERAL BUILDING CONTRACTOR C10 / ELECTRICAL	
Bonding	CONTRACTOR'S BOND This license filed a Contractor's Bond with DEVELOPERS SURETY AND INDEMNITY COMPANY. **Bond Number:** 896354C **Bond Amount:** $12,500 **Effective Date:** 01/01/2007 Contractor's Bond History	
Workers' Compensation	WORKERS' COMPENSATION An employee service group holds the workers compensation insurance. **Policy Number:** 2246 **Effective Date:** 06/01/2013	

Expire Date: None

Workers' Compensation History

Personnel List

Conditions of Use | Privacy Policy
Copyright © 2010 State of California

City of SACRAMENTO
Finance Department

City of Sacramento • Revenue Division
915 I Street, Room 1214 • Sacramento, California 95814
916.808.8500
http://www.cityofsacramento.org/finance/revenue/

NEW BUSINESS LICENSE TAX APPLICATION

PLEASE PRINT OR TYPE

NO 1016992

BUSINESS ACTIVITY INFORMATION

BUSINESS NAME (DBA NAME USED TO IDENTIFY YOUR BUSINESS)	PETERSON DEVELOPMENTS
NEW OR CHANGES?	☑ NEW ☐ CHANGES
STARTING DATE	03/01/2014
BUSINESS PHONE NO.	( ) 916-961-4756
OWNER/CORPORATION PHONE NO.	( ) SAME
OWNERSHIP TYPE	☑ SOLE ☐ LC ☐ CORPORATION ☐ TRUST ☐ PARTNERSHIP ☐ OTHER
EMAIL ADDRESS	leanne@petersondev.com
WEB SITE ADDRESS	N/A
STATE CERT./LICENSE NO.	302078
EXP. DATE	2/28/2015
FEDERAL ID NO.	94-2281604
STATE EMPLOYER ID NO.	485-85855
NO. OF EMPLOYEES	2
BUSINESS DESCRIPTION	General Contractor
BUSINESS LOCATION ADDRESS	4728 Kenneth Ave., Fair Oaks, CA 95628
BUSINESS ZONED	(✓) COMMERCIAL OR ( ) RESIDENTIAL HOME OCCUPATION PERMIT # n/a (CHECK ONE)
OWNER/CORPORATION ADDRESS (STREET NAME AND NO., SUITE NO., CITY, STATE, ZIP CODE)	4728 Kenneth Ave., Fair Oaks, CA 95628-6244
IF CORPORATION: NAME/ADDRESS TO RECEIVE LEGAL DOCUMENTS	N/A
MAILING ADDRESS (WHERE YOU WANT US TO MAIL THE BUSINESS TAX CERTIFICATE OR OTHER CORRESPONDENCE)	4728 Kenneth Ave., Fair Oaks, CA 95628-6244

CONTACT INFORMATION

OWNER OR CORPORATE OFFICERS' NAME & TITLE (STATE CONTRACTOR, SEE BELOW*)	RELATIONSHIP TO COMPANY	SOCIAL SECURITY NO.	CA DRIVER'S LICENSE
1) Jon W. Peterson	Owner	545-54-4792	F0971068
2)			
3)			

*STATE CONTRACTOR LICENSE NO.

BUSINESS LICENSE TAX CALCULATION

GROSS RECEIPTS – estimated for the first year or actual for renewal	$ 2,126,040.00
GROSS PAYROLL – estimated for the first year or actual for renewal	$ 120,000
# OF YEARS LICENCED WITH THE STATE	39
# OF RENTAL UNITS (IF APPLICABLE)	—
# OF PROFESSIONAL EMPLOYEES	—

RESOURCE INFORMATION

Please note: Once you are registered, the City's Economic Development Department will send you business resource information by e-mail or mail.

I declare under penalty of perjury that to my knowledge all information contained on this application is true and correct. This tax certificate is for revenue purposes only and does not imply conformance with applicable city codes and ordinances. You are advised to check your proposed business location and structure with the City Planning Division for compliance with zoning codes and the Building Inspections Division for compliance with building codes.

SIGN HERE X [signature] DATE 2/14/14

TEMPORARY CERTIFICATE
Not valid more than 45 days from validation date

Your Business Tax Certificate will be sent to you approximately two weeks.

This certificate must be renewed annually

VOID IF NOT

CITY OF SACRAMENTO
VALIDATED
JAN 14 2014
PAID

FOR OFFICIAL CITY USE ONLY

TAX	$ 876.42
BIA	$
HOP	$
DUP/PEN	$
Dis. Access Fee	$ 1.00
TOTAL	$ 877.42
BY	TN

City of Sacramento
Revenue Division
915 I Street, Room 1214
(916) 808-8500

==========

Business Tax Payment
1x 877.42 877.42
Tax Account #: 1016992

==========

SubTotal: 877.42
Total: 877.42

==========

Check PM 877.42
Number : 29562

2/14/2014 10:55 Theressa N
#5356847 /852/802
Receipt #: 5781847
Pay for your parking citation at:
www.cityofsacramento.org

Thank You.

FOLLOWING FORMS TO BE FILLED OUT

AND SIGNED

ONLY

IF AWARDED CONTRACT

AGREEMENT
(Construction Contract Over $25,000)

THIS AGREEMENT, dated for identification _____, 2014, is made and entered into between the CITY OF SACRAMENTO, a municipal corporation ("City"), and Peterson Developments, 4728 Kenneth Avenue, Fair Oaks, CA 95628 ("Contractor"), in the amount of Two Million One Hundred Twenty Six Thousand Forty Dollars and no cents ($2,126,040.00).

The City and Contractor hereby mutually agree as follows:

1. CONTRACT DOCUMENTS

The Contract Documents, sometimes also referred to as the "Contract," consist of the following items, which are hereby incorporated by reference as if set forth in full in this Agreement:

The Notice to Contractors
The Proposal Form submitted by the Contractor
The Instructions to Bidders
The Emerging and Small Business Enterprise (ESBE) Requirements
The Requirements for the Non-Discrimination in Employee Benefits by City Contractors Ordinance and the Declaration of Compliance
California Labor Code Relating to Apprentices on Public Works
The City's Reference Guide for Construction Contracts
The Addenda, if any
This Agreement
The Standard Specifications
The Special Provisions
The Plans and Technical Specifications
The drawings and other data and all developments thereof prepared by City pursuant to the Contract
Any modifications of any of the foregoing made or approved by City, including but not limited to duly authorized change orders.

Unless specifically noted otherwise, references to the "Standard Specifications" shall mean and refer to the Standard Specifications for Public Construction of the City of Sacramento approved by the Sacramento City Council on June 4, 2007 (Resolution No. 2007-350), and any subsequent amendments thereto approved by the Sacramento City Council or the Sacramento City Manager. Work called for in any one Contract Document and not mentioned in another is to be performed and executed as if mentioned in all Contract Documents. The table of contents, titles and headings contained in the Contract Documents are provided solely to facilitate reference to various provisions of the Contract Documents and in no way affect or limit the interpretation of the provisions to which they refer.

2. DEFINITIONS

Unless otherwise specifically provided herein, all words and phrases defined in the Standard Specifications shall have the same meaning and intent in this Agreement.

3. AGREEMENT CONTROLS

In the event of a conflict between any of the terms and conditions set forth in this Agreement and the terms and conditions set forth in other Contract Documents, the terms and conditions set forth in this Agreement shall prevail, except that the provisions of any duly authorized change order shall prevail over any conflicting provisions of this Agreement.

4. SCOPE OF CONTRACT

Contractor agrees to furnish all tools, equipment, apparatus, facilities, labor, material and transportation necessary to perform and complete in a good and workmanlike manner to the satisfaction of City, all the Work called for in the Contract Documents entitled:

WILD ROSE PARK
(L19187001)

including the Work called for in the following alternative bid items described in the Proposal Form:

NO ADDITIVE ALTERNATES AWARDED

Contractor agrees to perform such Work in the manner designated in and in strict conformity with the Contract Documents.

5. CONTRACT AMOUNT AND PAYMENTS

City agrees to pay and Contractor agrees to accept, as complete payment for the above Work, in accordance with the schedule and procedures set forth in the Contract Documents and subject to deductions, withholdings and additions as specified in the Contract Documents, a total sum that shall not exceed the total bid amount set forth in Contractor's Proposal Form. In addition, subject to deductions, withholdings and additions as specified in the Contract Documents, payment for individual items of the Work shall be computed as follows:

(A) For items of the Work for which a lump sum price is specified in Contractor's Proposal Form, Contractor shall be paid the lump sum price(s) specified in Contractor's Proposal Form; and

(B) For items of the Work for which a unit price is specified in Contractor's Proposal Form, Contractor shall be paid the sum computed at such unit price, or computed at a different price if such different price is determined by City in accordance with the Standard Specifications, based on the actual amount of each such item performed and/or furnished and incorporated in the Work; provided that in no event shall the total sum for a unit price item exceed the total bid amount set forth for such item in the Contractor's Proposal Form, unless authorized by Change Order.

6. PROGRESS PAYMENTS

Subject to the terms and conditions of the Contract, City shall cause payments to be made upon demand of Contractor as follows:

(A) On or about the first of the month, the Engineer shall present to the Contractor a statement showing the amount of labor and materials incorporated in the Work through the twentieth (20) calendar day of the preceding month. After both Contractor and Engineer approve

the statement in writing, and the City's labor compliance officer provides written approval, the City shall issue a certificate for ninety-five (95) percent of the amount it shall find to be due, subject to any deductions or withholdings authorized or required under the Contract or any applicable Laws or Regulations.

(B) No inaccuracy or error in said monthly estimates shall operate to release Contractor from damages arising from such Work or from enforcement of each and every provision of the Contract Documents, and City shall have the right subsequently to correct any error made in any estimate for payment.

(C) Contractor shall not be paid for any defective or improper Work.

(D) The remaining five (5) percent of the value of the Work performed under the Contract, if unencumbered and subject to any deductions or withholdings authorized or required under the Contract or any applicable Laws or Regulations, shall be released not later than sixty (60) days after completion and final acceptance of the Work by City. Acceptance by Contractor of the final payment shall constitute a waiver of all claims against the City arising under the Contract Documents, except for disputed claims in stated amounts that the Contractor specifically reserves in writing, but only to the extent that the Contractor has complied with all procedures and requirements applicable to the presentation and processing of such claim(s) under the Contract Documents. Contractor shall be entitled to substitute securities for retention or to direct that payments of retention be made into escrow, as provided in Public Contract Code Section 22300, upon execution of the City's Escrow Agreement for Security Deposits in Lieu of Retention.

(E) The parties agree that, for purposes of the timely progress payment requirements specified in Public Contract Code Section 20104.50, the date that the City receives a statement jointly approved by the Contractor and the Engineer as provided above shall be deemed to constitute the date that City receives an undisputed and properly submitted payment request from the Contractor. Progress payments not made within 30 days after this date may be subject to payment of interest as provided in Public Contract Code Section 20104.50.

7. RETENTION OF SUMS CHARGED AGAINST CONTRACTOR

When, under the provisions of this Contract or any applicable Laws or Regulations, City is authorized or required to withhold, deduct or charge any sum of money against Contractor, City may deduct and retain the amount of such charge from the amount of the next succeeding progress estimate(s), or from any other moneys due or that may become due Contractor from City. If, on completion or termination of the Contract, sums due Contractor are insufficient to pay City's charges, City shall have the right to recover the balance from Contractor or its Sureties.

8. COMMENCEMENT AND PROSECUTION OF WORK

Contractor shall commence the Work not later than fifteen (15) working days after the date of the written Notice to Proceed from City to Contractor and shall diligently prosecute the Work to final completion. The phase "commence the Work" means to engage in a continuous program on-site including, but not limited to, site clearance, grading, dredging, land filling and the fabrications, erection, or installation of the Work. The Notice to Proceed shall be issued within fifteen (15) calendar days following execution of the Agreement by the City and the filing by Contractor of the required Bonds and proof of insurance, provided that the Engineer may delay issuance of the

Notice to Proceed if the Engineer determines in the Engineer's sole discretion that conditions on the site of the Work are unsuitable for commencement of the Work. After the Notice to Proceed is issued, the continuous prosecution of Work by Contractor shall be subject only to Excusable Delays as defined in this Agreement.

9. TIME OF COMPLETION

The entire Work shall be brought to completion in the manner provided for in the Contract Documents on or before EIGHTY (80) WORKING days from the date of the Notice to Proceed (hereinafter called the "Completion Date") unless extensions of time are granted in accordance with the Contract Documents, NINETY (90) Calendar days for the plant establishment period. **The Notice to Proceed for this project will be issued on March 15, 2014 with the intent that Construction operations will begin no later than April 14, 2014.**

Failure to complete the entire Work by the Completion Date and in the manner provided for in the Contract Documents shall subject Contractor to liquidated damages as provided in this Agreement. Time is and shall be of the essence in the performance of the Contract and the Work.

10. PAYMENTS DO NOT IMPLY ACCEPTANCE OF WORK

The payment of any progress payment, or the acceptance thereof by Contractor, shall not constitute acceptance of the Work or any portion thereof and shall in no way reduce the liability of Contractor to replace unsatisfactory work or material, whether or not the unsatisfactory character of such work or material was apparent or detected at the time such payment was made.

11. ACCEPTANCE NOT RELEASE

Contractor shall correct immediately any defective or imperfect work or materials that may be discovered before final acceptance of the entire Work, whether or not such defect or imperfection was previously noticed or identified by the City. The inspection of the Work, or any part thereof, shall not relieve Contractor of any of its obligations to perform satisfactory work as herein specified.

Failure or neglect on the part of City or any of its officers, employees or authorized agents to discover, identify, condemn or reject defective or imperfect work or materials shall not be construed to imply an acceptance of such work or materials, if such defect or imperfection becomes evident at any time prior to final acceptance of the entire Work, nor shall such failure or neglect be construed as barring City from enforcing Contractor's warranty(ies) or otherwise recovering damages or such a sum of money as may be required to repair or rebuild the defective or imperfect work or materials whenever City may discover the same, subject only to any statutes of limitation that may apply to any such claim.

12. CITY'S RIGHT TO TAKE POSSESSION OF THE WORK IN WHOLE OR IN PART

The City shall have the right at any time to enter upon the Work and perform work not covered by this Contract, or to occupy and use a portion of the Work, prior to the date of the final acceptance of the Work as a whole, without in any way relieving Contractor of any obligations under this Contract.

13. NO WAIVER OF REMEDIES

Neither the inspection by City, its officers, employees or agents, nor any certificate or other approval for the payment of money, nor any payment for, nor acceptance of the whole or any part of the Work by City, nor any extensions of time, nor any position taken by City, its officers, employees or its agents shall operate as a waiver of any provision of the Contract Documents nor of any power herein reserved to City or any right to damages herein provided, nor shall any waiver of any breach of this Agreement be held to be a waiver of any other or subsequent breach. All remedies provided in the Contract Documents shall be taken and construed as cumulative; in addition to each and every other remedy herein provided, the City shall have any and all equitable and legal remedies that it would in any case have.

14. WARRANTY

Except as otherwise expressly provided in the Contract Documents, and excepting only items of routine maintenance, ordinary wear and tear and unusual abuse or neglect by City, Contractor warrants and guarantees all Work executed and all supplies, materials and devices of whatsoever nature incorporated in or attached to the Work, or otherwise provided as a part of the Work pursuant to the Contract, to be absolutely free of all defects of workmanship and materials for a period of one year after final acceptance of the entire Work by the City. Contractor shall repair or replace all work or material, together with any other work or material that may be displaced or damaged in so doing, that may prove defective in workmanship or material within this one year warranty period without expense or charge of any nature whatsoever to City.

In the event that Contractor shall fail to comply with the conditions of the foregoing warranty within ten (10) days after being notified of the defect in writing, City shall have the right, but shall not be obligated, to repair, or obtain the repair of, the defect and Contractor shall pay to City on demand all costs and expense of such repair. Notwithstanding anything herein to the contrary, in the event that any defect in workmanship or material covered by the foregoing warranty results in a condition that constitutes an immediate hazard to public health or safety, or any property interest, or any person, City shall have the right to immediately repair, or cause to be repaired, such defect, and Contractor shall pay to City on demand all costs and expense of such repair. The foregoing statement relating to hazards to health, safety or property shall be deemed to include both temporary and permanent repairs that may be required as determined in the sole discretion and judgment of City.

In addition to the above, the Contractor shall make a written assignment of all manufacturer's and other product warranties to the City, prior to completion and final acceptance of the Work by City.

The Contractor's Performance Bond shall secure the performance of the Contractor's obligations under this Section 14, and the Contractor and its Surety shall be jointly and severally liable for these obligations.

15. LIQUIDATED DAMAGES IF WORK NOT COMPLETED ON TIME

(A) The actual fact of the occurrence of damages and the actual amount of the damages that City would suffer if the entire Work, and/or any specified portion thereof, were not completed within the time(s) specified herein are dependent upon many circumstances and conditions that could prevail in various combinations, and for this reason, it is impracticable and extremely difficult to fix the actual damages. Damages that City would suffer in the event of such delay include: loss of the use of the project; expenses of prolonged assignment to the project of an

architectural and/or engineering staff; prolonged costs of administration, inspection, and supervision; increased operational expenses and/or impaired operation of other facilities dependent upon completion of the project; and the loss and inconvenience suffered by the public within the City of Sacramento by reason of the delay in the completion of the project or portion thereof. Accordingly, the parties agree, and by execution of this Agreement, Contractor acknowledges that it understands and agrees, that the amount(s) set forth herein as liquidated damages reflect the parties' best efforts at the time of entering into the Contract to estimate the damages that may be incurred by City and the public due to the Contractor's delay in completion of the Work and/or any specified portion thereof, and shall be presumed to be the amount of damages sustained by the failure of Contractor to complete the entire Work and/or any specified portion thereof within the time(s) specified herein.

(B) Contractor shall pay liquidated damages to City for failure to complete the entire Work by the Completion Date (as extended in accordance with the Contract Documents, if applicable) in the amount of ONE THOUSAND ($1,000.00) DOLLARS for each calendar day after the Completion Date (as extended in accordance with the Contract Documents, if applicable), continuing to the time at which the entire Work is completed. Such amount is the actual cash value agreed upon by the City and Contractor as the loss to City and the public resulting from Contractor's default.

The parties agree, and by execution of this Agreement, Contractor acknowledges that it understands and agrees, that the foregoing provisions provide for the imposition of liquidated damages from the Completion Date (as extended in accordance with the Contract Documents, if applicable) until the date of completion of the entire Work as determined by the Engineer in accordance with Section 8-4 of the Standard Specifications, whether or not the Work or any portion thereof is claimed or determined to be substantially complete prior to such date of completion.

THE FOLLOWING ADDITIONAL LIQUIDATED DAMAGES PROVISION(S) APPLY IF CHECKED:

☐ In addition to the liquidated damages specified above, Contractor shall pay additional liquidated damages to City for failure to complete the portion of the Work specified below by the milestone date specified below (as such milestone date may be extended in accordance with the Contract Documents, if applicable). The amount of such additional liquidated damages shall be either *[check one]*:

☐ a lump sum amount of _____, OR

☐ the daily amount of _____ for each calendar day after such milestone date (as extended in accordance with the Contract Documents, if applicable), continuing to the time at which such portion of the Work is completed.

Such amount is the actual cash value agreed upon by the City and Contractor as the additional loss to City and the public resulting from Contractor's default.

Portion of the Work	Milestone Date

described in this Agreement shall not affect or limit any of City's rights under this Section 16, nor shall the limits of such insurance limit the liability of Contractor hereunder. The provisions of this Section 16 shall survive any expiration or termination of the Contract.

17. CONTRACTOR SHALL ASSUME RISKS

Until the completion and final acceptance by City of all Work under this Contract, the Work shall be under Contractor's responsible care and charge, and Contractor, at no cost to City, shall rebuild, repair, restore and make good all injuries, damages, re-erections, and repairs occasioned or rendered necessary by accidental causes of any nature, to all or any portions of the Work.

18. GENERAL LIABILITY OF CONTRACTOR

Except as otherwise herein expressly stipulated, Contractor shall perform all the Work and furnish all the labor, materials, tools, equipment, apparatus, facilities, transportation, power and light, and appliances, necessary or proper for performing and completing the Work herein required in the manner and within the time herein specified. The mention of any specific duty or liability of Contractor shall not be construed as a limitation or restriction of any general liability or duty of Contractor, and any reference to any specific duty or liability shall be construed to be solely for the purpose of explanation.

19. INSURANCE

During the entire term of this Contract and until completion and final acceptance of the Work as provided in the Contract Documents, Contractor shall maintain in full force and effect the insurance coverage described in this section.

Full compensation for all premiums that Contractor is required to pay for the insurance coverage described herein shall be included in the compensation specified for performance of the Work under the Contract. No additional compensation will be provided for Contractor's insurance premiums.

It is understood and agreed by the Contractor that its liability to the City shall not in any way be limited to or affected by the amount of insurance coverage required of or carried by the Contractor.

(A) Minimum Scope and Limits of Insurance Coverage

(1) Commercial General Liability Insurance, providing coverage at least as broad as ISO CGL Form 00 01 on an occurrence basis for bodily injury, including death, of one or more persons, property damage and personal injury, with limits of not less than one million dollars ($1,000,000) per occurrence. The policy shall provide contractual liability and products and completed operations coverage for the term of the policy.

(2) Automobile Liability Insurance providing coverage at least as broad as ISO Form CA 00 01 on an occurrence basis for bodily injury, including death, of one or more persons, property damage and personal injury, with limits of not less than one million dollars ($1,000,000) per occurrence. The policy shall provide coverage for owned, non-owned and/or hired autos as appropriate to the operations of the Contractor.

CONTRACTOR'S ACKNOWLEDGMENT: JLP.

☐ In addition to the potential damages described above, failure to complete the entire Work within the time(s) specified herein may expose the City to penalties or fines and/or may negatively affect the availability of project funding. In recognition of these potential damages, in addition to the liquidated damages specified above, Contractor shall pay additional liquidated damages to City in the lump sum amount of ~ if the entire Work is not completed by ~. Such amount is the actual cash value agreed upon by the City and Contractor as the additional loss to City and the public resulting from Contractor's default.

CONTRACTOR'S ACKNOWLEDGMENT: JLP

(C) In the event Contractor shall become liable for liquidated damages, City, in addition to all other remedies provided by law, shall have the right to withhold any and all payments that otherwise would be or become due Contractor until the liability of Contractor under this section is finally determined. City shall have the right to use and apply such payments, in whole or in part, to reimburse City for all liquidated damages due or to become due to City. Any remaining balance of such payments shall be paid to Contractor only after discharge in full of all liability incurred by Contractor under this section or otherwise under any provision of the Contract Documents or any applicable Law or Regulation. If the sum so retained by City is not sufficient to discharge all such liabilities of Contractor, Contractor shall continue to remain liable to City until all such liabilities are satisfied in full. No failure by City to withhold any payment as specified above shall in any manner be construed to constitute a release of any such liabilities nor a waiver of the City's right to withhold payment for such liabilities.

16. INDEMNITY AND HOLD HARMLESS

(A) Contractor shall defend, hold harmless and indemnify the City, its officers, employees, and agents, and each and every one of them, from and against any and all actions, damages, costs, liabilities, claims, demands, losses, judgments, penalties, costs and expenses of every type and description, whether arising on or off the site of the Work, including, but not limited to, any fees and/or costs reasonably incurred by City's staff attorneys or outside attorneys and any fees and expenses incurred in enforcing this provision (hereafter collectively referred to as "Liabilities"), including but not limited to Liabilities arising from personal injury or death, damage to personal, real or intellectual property or the environment, contractual or other economic damages, or regulatory penalties, arising out of or in any way connected with performance of or failure to perform the Work by the Contractor, any subcontractor or agent, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, whether or not (i) such Liabilities are caused in part by a party indemnified hereunder, or (ii) such Liabilities are litigated, settled or reduced to judgment; provided that the foregoing indemnity does not apply to liability for damages for death or bodily injury to persons, injury to property, or other loss, damage or expense to the extent arising from (i) the sole negligence or willful misconduct of, or defects in design furnished by, City, its agents, servants, or independent contractors who are directly responsible to City, or (ii) the active negligence of City.

(B) The existence or acceptance by City of any of the insurance policies or coverages

(3) Workers' Compensation Insurance with statutory limits, and Employers' Liability Insurance with limits of not less than one million dollars ($1,000,000). The Worker's Compensation policy shall include a waiver of subrogation.

(B) Additional Insured Coverage

(1) Commercial General Liability Insurance: The City, its officials, employees and volunteers shall be covered by policy terms or endorsement as additional insureds as respects general liability arising out of activities performed by or on behalf of Contractor, products and completed operations of Contractor, and premises owned, leased or used by Contractor. The general liability additional insured endorsement must be signed by an authorized representative of the insurance carrier.

If the policy includes a blanket additional insured endorsement or contractual additional insured coverage, the above signature requirement may be fulfilled by submitting that document with a signed declaration page referencing the blanket endorsement or policy form.

(2) Automobile Liability Insurance: The City, its officials, employees and volunteers shall be covered by policy terms or endorsement as additional insureds as respects auto liability.

(C) Other Insurance Provisions

The policies are to contain, or be endorsed to contain, the following provisions:

(1) Contractor's insurance coverage shall be primary insurance as respects City, its officials, employees and volunteers. Any insurance or self-insurance maintained by City, its officials, employees or volunteers shall be in excess of Contractor's insurance and shall not contribute with it.

(2) Any failure to comply with reporting provisions of the policies shall not affect coverage provided to City, its officials, employees or volunteers.

(3) Coverage shall state that Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

(4) City will be provided with thirty (30) days written notice of cancellation or material change in the policy language or terms.

(D) Acceptability of Insurance

Insurance shall be placed with insurers with a Bests' rating of not less than A:V. Self-insured retentions, policy terms or other variations that do not comply with the requirements of this Section 19 must be declared to and approved by the City Risk Management Division in writing prior to execution of this Agreement.

(E) Verification of Coverage

(1) Contractor shall furnish City with certificates and required endorsements evidencing the insurance required. The certificates and endorsements shall be forwarded to the City representative designated by City. Copies of policies shall be delivered to the City on demand. Certificates of insurance shall be signed by an authorized representative of the insurance carrier.

(2) The City may withdraw its offer of contract or cancel the Contract if the certificates of insurance and endorsements required have not been provided prior to execution of this Agreement. The City may withhold payments to Contractor and/or cancel the Contract if the insurance is canceled or Contractor otherwise ceases to be insured as required herein.

(F) Subcontractors

Contractor shall require and verify that all subcontractors maintain insurance coverage that meets the minimum scope and limits of insurance coverage specified in subsection A, above.

20. FAILURE TO MAINTAIN BONDS OR INSURANCE

If, at any time during the performance of this Contract, Contractor fails to maintain any item of the bonds and/or insurance required under the Contract in full force and effect, Contractor shall immediately suspend all work under the Contract and notify City in writing of such failure. After such notice is provided, or if City discovers such failure and notifies Contractor, the City thereafter may withhold all Contract payments due or that become due until notice is received by City that such bonds and/or insurance have been restored in full force and effect and that the premiums therefor have been paid for a period satisfactory to the Division of Risk Management. Contractor shall not resume work until notified by City to do so, and the City shall have no responsibility or liability for any costs incurred by Contractor as a result of such suspension of Work.

In addition to the foregoing, any failure to maintain any item of the required bonds and/or insurance at any time during the performance of this Contract will be sufficient cause for termination of the Contract by City.

The Contractor shall be solely responsible for, and shall defend, indemnify and hold harmless the City, its officers, employees and agents against and from, any and all damages, claims, losses, actions, costs or other expenses of any kind incurred by any party as a direct or indirect result of any suspension of Work or termination of the Contract under the provisions of this Section.

21. EXCUSABLE DELAYS

For the purpose of these Contract Documents, the term "Excusable Delay" shall mean, and is limited to, delay caused directly by: acts of God; acts of a public enemy; fires; inclement weather as determined by the Engineer; riots; insurrections; epidemics; quarantine restrictions; strikes; lockouts; sitdowns; acts of a governmental agency; priorities or privileges established for the manufacture, assemble, or allotment of materials necessary in the Work by order, decree or otherwise of the United States or by any department, bureau, commission, committee, agent, or administrator of any legally constituted public authority; changes in the Work ordered by City insofar as they necessarily require additional time in which to complete the Work; the prevention

of Contractor from commencing or prosecuting the Work because of the acts of others, excepting Contractor's subcontractors or suppliers; or the prevention of Contractor from commencing or prosecuting the Work because of a Citywide failure of public utility service.

The term "Excusable Delay" shall specifically not include: (i) any delay that could have been avoided by the exercise of care, prudence, foresight and diligence on the part of Contractor; (ii) any delay in the prosecution of any part of the Work that does not constitute a Controlling Operation, whether or not such delay is unavoidable; (iii) any reasonable delay resulting from time required by City for review of any Contractor submittals and for the making of surveys, measurements and inspection; and, (iv) any delay arising from an interruption in the prosecution of the Work on account of reasonable interference by other Contractors employed by City that does not necessarily prevent the completion of the entire Work within the time specified. Excusable Delays, if any, shall operate only to extend the Completion Date (not in excess of the period of such delay as determined by City) and shall not under any circumstances increase the amount City is required to pay Contractor except as otherwise provided in these Contract Documents.

22. CONTRACTOR TO SERVE NOTICE OF DELAYS

Whenever Contractor foresees any delay in the prosecution of the Work, and in any event as soon as possible (not to exceed a period of ten (10) calendar days) after the initial occurrence of any delay that Contractor regards as or may later claim to be an Excusable Delay, the Contractor shall notify the Engineer in writing of such delay and its cause, in order that the Engineer: (i) may take immediate steps to prevent if possible the occurrence or continuance of the delay; or (ii) if this cannot be done, may determine whether the delay is to be considered excusable, how long it continues, and to what extent the prosecution and completion of the Work are delayed thereby. Said written notice shall constitute an application for an extension of time only if the notice requests such an extension and sets forth the Contractor's estimate of the additional time required together with a full description of the cause of the delay relied upon.

After the completion of any part or whole of the Work, the Engineer, in estimating the amount due Contractor, will assume that any and all delays that may have occurred in its prosecution and completion were not Excusable Delays, except for such delays for which the Contractor has provided timely written notice as required herein, and that the Engineer has found to be excusable. Contractor shall not be entitled to claim Excusable Delay for any delay for which the Contractor failed to provide such timely written notice.

23. EXTENSION OF TIME

If the Contractor complies with Section 22, above, and the Engineer finds a delay claimed by the Contractor to be an Excusable Delay, the Contractor shall be allowed an extension of time to complete the Work that is proportional to the period of Excusable Delay determined by the Engineer, subject to the approval by City of a change order granting such time extension. During a duly authorized extension for an Excusable Delay, City shall not charge liquidated damages against the Contractor for such delay.

If the City extends the time to complete the Work as provided herein, such extension shall in no way release any warranty or guarantee given by Contractor pursuant to the provisions of the Contract Documents, nor shall such extension of time relieve or release the sureties of the Bonds provided pursuant to the Contract Documents. By executing such Bonds, the Sureties shall be deemed to have expressly agreed to any such extension of time. The granting of any extension of

time as provided herein shall in no way operate as a waiver on the part of City of its rights under this Contract, excepting only extension of the Completion Date for such period of Excusable Delay as may be determined by the Engineer and approved by a duly authorized change order.

24. NO PAYMENT FOR DELAYS

No damages or compensation of any kind shall be paid to Contractor or any subcontractor because of delays in the progress of the Work whether or not such delays qualify for extension of time under this Agreement; except that this provision shall not preclude the recovery of damages for a delay caused by the City that is unreasonable under the circumstances and that is not within the contemplation of the parties, provided that the Contractor timely submits all such written notice(s) and fully complies with such other procedures as may be specified in the Contract Documents or any Laws or Regulations for Contractor to claim damages for such delay.

25. CHANGES IN THE WORK

Changes in the Work authorized or directed in accordance with the Contract Documents and extensions of time of completion made necessary by reason thereof shall not in any way release any warranty or guarantee given by Contractor pursuant to the provisions of the Contract Documents, nor shall such changes in the Work relieve or release the Sureties on Bonds provided pursuant to the Contract Documents. By executing such Bonds, the Sureties shall be deemed to have expressly agreed to any such change in Work and to any extension of time made by reason thereof.

26. TERMINATION AFTER COMPLETION DATE

In addition to any other rights City may have, if any services or work required under the Contract (including but not limited to punch list items) are not completed as of the Completion Date (as adjusted by any extensions of time for Excusable Delays granted pursuant to the Contract Documents), City may terminate the Contract at any time after the Completion Date (as adjusted by any extensions of time for Excusable Delays granted pursuant to the Contract Documents), by providing a written notice to Contractor specifying the date of termination. Such notice also may specify conditions or requirements that Contractor must meet to avoid termination of the Contract on such date. If Contractor fails to fulfill all such conditions and requirements by such termination date, or, if no such conditions or requirements are specified, Contractor shall cease rendering services and performing work on such termination date, and shall not be entitled to receive any compensation for services rendered or work performed after such termination date. In the event of such termination, Contractor shall remain liable to City for liquidated damages incurred for any period of time prior to the termination date.

In addition to any other charges, withholdings or deductions authorized under the Contract or any Laws or Regulations, if City terminates the Contract pursuant to this section, City may withhold and deduct from any payment and/or retention funds otherwise due Contractor any sum necessary to pay the City's cost of completing or correcting, or contracting for the completion or correction of, any services or work under the Contract that are not completed to the satisfaction of the City or that otherwise are deficient or require correction as of such termination date, including but not limited to incomplete punch list items. Such costs shall include all of the City's direct and indirect costs incurred to complete or correct such services or work, including the City's administrative and overhead costs. If the amount of payment(s) and/or retention funds otherwise due the Contractor are insufficient to pay such costs, City shall have the right to recover the balance of such costs from the Contractor and/or its Surety(ies).

27. TERMINATION FOR CONVENIENCE

Upon written notice to the Contractor, the City may at any time, without cause and without prejudice to any other right or remedy of the City, elect to terminate the Contract for the convenience of City. In such case, the Contractor shall be paid (without duplication of any items, and after deduction and/or withholding of any amounts authorized to be deducted or withheld by the Contract Documents or any Laws or Regulations):

(A) For Work executed in accordance with the Contract Documents prior to the effective date of termination and determined to be acceptable by the Engineer, including fair and reasonable sums for overhead and profit on such Work;

(B) For reasonable claims, costs, losses, and damages incurred in settlement of terminated contracts with subcontractors, suppliers, and others; and

(C) For reasonable expenses directly attributable to termination.

Contractor shall not be paid for any loss of anticipated profits or revenue for any Work not performed prior to termination, nor for any economic loss arising out of or resulting from such termination, except for the payments listed in this section. Contractor's warranty under Section 14 of this Agreement shall apply, and Contractor shall remain responsible for all obligations related to such warranty, with respect to all portions of the Work performed prior to the effective date of the termination for convenience pursuant to this section. The City shall be entitled to have any or all remaining Work performed by other contractors or by any other means at any time after the effective date of a termination for convenience pursuant to this section.

28. TERMINATION FOR BREACH OF CONTRACT

If Contractor abandons the Work under this Contract, or if the Contract or any portion of the Contract is sublet or assigned without the consent of the City, or if the Engineer determines in the Engineer's sole discretion that the conditions of the Contract in respect to the rate of progress of the Work are not being fulfilled or any part thereof is unnecessarily delayed, or if Contractor violates or breaches, or fails to execute in good faith, any of the terms or conditions of the Contract, or if Contractor refuses or fails to supply enough properly skilled labor or materials or refuses or fails to make prompt payment to subcontractors for material or labor, or if Contractor disregards any Laws or Regulations or proper instruction or orders of the Engineer, then, notwithstanding any provision to the contrary herein, the City may give Contractor and its Sureties written notification to immediately correct the situation or the Contract shall be terminated.

In the event that such notice is given, and, in the event such situation is not corrected, or arrangements for correction satisfactory to the City are not made, within ten (10) calendar days from the date of such notice or within such other period of time as may be specified by the City in the notice, the Contract shall upon the expiration of said period cease and terminate. In the event of any such termination, City may take over the Work and prosecute the Work to completion, or otherwise, and the Contractor and its Sureties shall be liable to City for any cost occasioned City thereby, as hereinafter set forth.

In the event City completes the Work, or causes the Work to be completed, no payment of any kind shall be made to Contractor until the Work is complete. The cost of completing the Work, including but not limited to, extra costs of project administration and management incurred by City, both direct or indirect, shall be deducted from any sum then due, or that becomes due, to Contractor from City. If sums due to Contractor from City are less than the cost of completing the Work, Contractor and its Sureties shall pay City a sum equal to this difference on demand. In the event City completes the Work, and there is a sum remaining due to Contractor after City deducts the costs of completing the Work, then City shall pay such sum to Contractor. The Contractor and Contractor's Sureties shall be jointly and severally liable for all obligations imposed on Contractor hereunder.

No act by City before the Work is finally accepted, including, but not limited to, exercise of other rights under the Contract, actions at law or in equity, extensions of time, payments, assessments of liquidated damages, occupation or acceptance of any part of the Work, waiver of any prior breach of the Contract or failure to take action pursuant to this section upon the happening of any prior default or breach of Contractor, shall be construed to be a waiver or estoppel of the City's right to act pursuant to this Section upon any subsequent event, occurrence or failure by Contractor to fulfill the terms and conditions of the Contract. The rights of City to terminate the Contract pursuant to this Section and pursuant to Sections 26 and 27 are cumulative and are in addition to all other rights of City pursuant to the Contract and at law or in equity.

29. CONTRACTOR BANKRUPT

If Contractor should commence any bankruptcy proceeding, or if Contractor is adjudged a bankrupt, or if Contractor makes any assignment for the benefit of creditors, or if a receiver is appointed on account of Contractor's insolvency, then the City may, without prejudice to any other right or remedy, terminate the Contract and complete the work by giving notice as provided in Section 28 above.

30. SURETIES' OBLIGATIONS UPON TERMINATION

If the City terminates the Contract pursuant to Section 28 or Section 29 above:

(A) The Surety under Contractor's performance bond shall be fully responsible for all of the Contractor's remaining obligations of performance under the Contract as if the Surety were a party to the Contract, including without limitation Contractor's obligations, as provided in the Contract Documents, to complete and provide a one-year warranty of the entire Work, pay liquidated damages and indemnify, defend and hold harmless City, up to the full amount of the performance bond.

(B) The Surety under Contractor's payment bond shall be fully responsible for the performance of all of the Contractor's remaining payment obligations for work, services, equipment or materials performed or provided in connection with the Work or any portion thereof, up to the full amount of the payment bond.

31. ACCOUNTING RECORDS OF CONTRACTOR

During performance of the Contract and for a period of three (3) years after completing the entire Work, Contractor shall maintain all accounting and financial records related to the Contract and performance of the Work in accordance with generally accepted accounting practices, and shall keep and make such records available for inspection and audit by

representatives of the City upon reasonable written notice.

32. USE TAX REQUIREMENTS

During the performance of this Agreement, CONTRACTOR, for itself, its assignees and successors in interest, agrees as follows:

(A) Use Tax Direct Payment Permit: For all leases and purchases of materials, equipment, supplies, or other tangible personal property used to perform the Agreement and shipped from outside California, the Contractor and any subcontractors leasing or purchasing such materials, equipment, supplies or other tangible personal property shall obtain a Use Tax Direct Payment Permit from the California State Board of Equalization ("SBE") in accordance with the applicable SBE criteria and requirements.

(B) Sellers Permit: For any construction contract and any construction subcontract in the amount of $5,000,000 or more, Contractor and the subcontractor(s) shall obtain sellers permits from the SBE and shall register the jobsite as the place of business for the purpose of allocating local sales and use tax to the City. Contractor and its subcontractors shall remit the self-accrued use tax to the SBE, and shall provide a copy of each remittance to the City.

(C) The above provisions shall apply in all instances unless prohibited by the funding source for the Agreement.

IN WITNESS WHEREOF, the parties hereto have signed this Agreement on the date set for opposite their names.

CONTRACTOR

Under penalty of perjury, I certify that the taxpayer identification number and all other information provided here are correct.

DATE 2-10-14

BY _____

Print Name

Title

BY _____

Jon W. Peterson

Print Name

Owner

Title

94-2281604

Federal ID#

485-85855

State ID#

1016992
City of Sacramento Business Operation Tax Certificate No. (City will not award contract until Certificate Number is obtained)

Type of Business Entity *(check one)*:

X Individual/Sole Proprietor
_____ Partnership
_____ Corporation
_____ Limited Liability Company
_____ Other (*please specify:*_____)

CITY OF SACRAMENTO
a municipal corporation

DATE _____

BY _____
James L. Combs, Parks & Recreation Director

For: John F. Shirey, City Manager

Original Approved As To Form:

_____
City Attorney

Attest:

_____
City Clerk

Form approved by City Attorney 2-6-12

CITY OF SACRAMENTO
PERFORMANCE BOND

Bond No.: 1975644
Premium: $22,961.00

WHEREAS, the City of Sacramento, State of California, hereinafter called City, has conditionally awarded to: Peterson Developments, 4728 Kenneth Avenue, Fair Oaks, CA 95628

as principal, hereinafter called Contractor, a contract for construction of:

WILD ROSE PARK
(L19187001)

which contract is by reference incorporated herein and made a part hereof as if the Surety named below were a party to the contract, and is hereinafter referred to as the Contract; and

WHEREAS, under the terms of the Contract, Contractor is required to furnish a bond for the faithful performance of the Contract.

NOW, THEREFORE, we the Contractor and *(here insert full name and address of Surety)*:
The Hanover Insurance Company, 2505 2nd Avenue, Suite 705, Seattle, WA 98121,
a corporation duly authorized and admitted to transact business and issue surety bonds in the State of California, hereinafter called Surety, are held and firmly bound unto the City, as obligee, in the sum of:
Two Million One Hundred Twenty Six Thousand Forty Dollars and no cents ($2,126,040.00), for the payment of which sum well and truly to be made, we the Contractor and Surety bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally. The condition of this obligation is such that, if the Contractor, Contractor's heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and fully perform all covenants, conditions and agreements required to be kept and performed by Contractor in the Contract and any changes, additions or alterations made thereto, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meanings, and shall indemnify and save harmless the City, its officers, employees and agents, as therein provided, then the Surety's obligations under the Contract and this bond shall be null and void; otherwise they shall be and remain in full force and effect. This obligation shall remain in full force and effect through the end of the Contract warranty period, which will expire one year after the completion of work date specified in the Notice of Completion filed for the above-named project.

As part of the obligations secured hereby and in addition to the sum specified above, there shall be included all costs, expenses and fees, including attorney's fees, reasonably incurred by City in successfully enforcing such obligations, all to be taxed as costs and included in any judgment rendered.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or to the specifications accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension, alteration or addition.

IN WITNESS WHEREOF, this instrument has been duly executed by authorized representatives of the Contractor and Surety. SIGNED AND SEALED on February 11, 20 14.

Peterson Developments
(Contractor) (Seal)
By
Title owner

The Hanover Insurance Company
(Surety) (Seal)
By
Title Billy G. Bergan, Attorney-in-Fact

ORIGINAL APPROVED AS TO FORM:

City Attorney

Agent name & Address James C. Jenkins
Insurance Services 1765 Challenge Way Sac CA 95815
Agent Phone # 877-222-0000
Surety Phone # 206-454-8711
California License # 0545478

Form approved by CAO 5-9-12

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

POWERS OF ATTORNEY
CERTIFIED COPY

KNOW ALL MEN BY THESE PRESENTS: That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, do hereby constitute and appoint

KEVIN J. VALINE, BILLY G. BERGAN, R.W. REYNOLDS, LEZAH PRICE

of **Sacramento, CA** and each is a true and lawful Attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, or, if the following line be filled in, only within the area therein designated

any and all bonds, recognizances, undertakings, contracts of indemnity or other writings obligatory in the nature thereof, as follows:
Any such obligations in the United States, not to exceed Ten Million and No/100 ($10,000,000) in any single instance

and said companies hereby ratify and confirm all and whatsoever said Attorney(s)-in-fact may lawfully do in the premises by virtue of these presents. These appointments are made under and by authority of the following Resolution passed by the Board of Directors of said Companies which resolutions are still in effect:

"RESOLVED, That the President or any Vice President, in conjunction with any Assistant Vice President, be and they are hereby authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as its acts, to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 – Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by a Vice President and an Assistant Vice President, this **12th** day of **July , 2010.**

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

Mary Jeanne Anderson, Vice President

Robert K. Grennan, Assistant Vice President

THE COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF WORCESTER) ss.

On this **12th** day of **July , 2010** before me came the above named Vice President and Assistant Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.

BARBARA ANN GARLICK
Notary Public
Commonwealth of Massachusetts
My Commission Expires Nov 3, 2011

Notary Public

My commission expires on November 3, 2011

I, the undersigned Assistant Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

This Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America.

"RESOLVED, That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or any Vice President in conjunction with any Assistant Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this 11th day of February , 2014.

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

Stephen L. Brault, Assistant Vice President

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

State of California
County of Sacramento

On 02-11-2014 (Date) before me, Leticia Castro, Notary Public (Here Insert Name and Title of the Officer),

personally appeared Billy G. Bergan (Name(s) of Signer(s)),

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

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

WITNESS my hand and official seal.

Signature: Leticia Castro
Signature of Notary Public

LETICIA CASTRO
Commission # 1949510
Notary Public - California
Sacramento County
My Comm. Expires Sep 18, 2015

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____	Signer's Name: _____
☐ Corporate Officer — Title(s): _____	☐ Corporate Officer — Title(s): _____
☐ Individual	☐ Individual
☐ Partner — ☐ Limited ☐ General	☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact	☐ Attorney in Fact
☐ Trustee	☐ Trustee
☐ Guardian or Conservator	☐ Guardian or Conservator
☐ Other: _____	☐ Other: _____
Signer Is Representing: _____	Signer Is Representing: _____
RIGHT THUMBPRINT OF SIGNER Top of thumb here	RIGHT THUMBPRINT OF SIGNER Top of thumb here

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Item #5907

CITY OF SACRAMENTO
PAYMENT BOND

Bond No.: 1975644
Premium: Included in Performance Bond

WHEREAS, the City of Sacramento, in the State of California, hereinafter called City, has conditionally awarded to: Peterson Developments, 4728 Kenneth Avenue, Fair Oaks, CA 95628

hereinafter called Contractor, a contract for construction of:

WILD ROSE PARK (L19187001)

Which contract is by reference incorporated herein and made a part hereof, and is hereinafter referred to as the Contract; and

WHEREAS, under the terms of the Contract and pursuant to Chapter 5 of Title 3 of Part 6 of Division 4 of the California Civil Code (commencing with Civil Code Section 9550), Contractor is required to furnish a good and sufficient payment bond to secure payment of the claims to which reference is made in Civil Code Section 9554.

NOW, THEREFORE, we the Contractor and (*here insert full name and address of Surety*):
The Hanover Insurance Company, 2505 2nd Avenue, Suite 705, Seattle, WA 98121,
a corporation duly authorized and admitted to transact business and issue surety bonds in the State of California, hereinafter called Surety, are held and firmly bound unto the City, and unto all persons or entities entitled to assert a claim against a payment bond under any of the aforesaid Civil Code provisions in the sum of Two Million One Hundred Twenty Six Thousand Forty Dollars and no cents ($2,126,040.00), on the condition that if Contractor shall fail to pay for any materials or equipment furnished or used in performance of the Contract, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to such work or labor, or for any amounts required to be deducted, withheld, and paid over to the Franchise Tax Board or the Employment Development Department from the wages of employees of the Contractor and all subcontractors with respect to such work or labor, then the Surety shall pay the same in an amount not exceeding the sum specified above. If suit is brought upon this bond, Surety shall pay, in addition to the above sum, all costs, expenses and fees, including attorney's fees, reasonably incurred by any party in successfully enforcing the obligation secured hereby, all to be taxed as costs and included in any judgment rendered. Should the condition of this bond be fully performed, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect, and shall bind Contractor, Surety, their heirs, executors, administrators, successors and assigns, jointly and severally.

It is hereby stipulated and agreed that this bond shall inure to the benefit of all persons, companies, corporations, political subdivisions, State agencies and other entities entitled to assert a claim against a payment bond under any of the aforesaid Civil Code provisions, so as to give a right of action to them or their assigns in any suit brought upon this bond. The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or to the specifications accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension, alteration or addition.

IN WITNESS WHEREOF, this instrument has been duly executed by authorized representatives of the Contractor and Surety. SIGNED AND SEALED on February 11, 2014.

Peterson Developments
(Contractor) (Seal)
By
Title Owner

The Hanover Insurance Company
(Surety) (Seal)
By
Title Billy G. Bergan, Attorney-in-Fact

ORIGINAL APPROVED AS TO FORM:

City Attorney

Agent name & Address James C. Jenkins
Insurance Services 1765 Challenge Way Sac CA 95815
Agent Phone # 877-222-0000
Surety Phone # 206-454-8711
California License # 0545478

Effective 7-1-12

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

POWERS OF ATTORNEY
CERTIFIED COPY

KNOW ALL MEN BY THESE PRESENTS: That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, do hereby constitute and appoint

KEVIN J. VALINE, BILLY G. BERGAN, R.W. REYNOLDS, LEZAH PRICE

of **Sacramento, CA** and each is a true and lawful Attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, or, if the following line be filled in, only within the area therein designated

any and all bonds, recognizances, undertakings, contracts of indemnity or other writings obligatory in the nature thereof, as follows:
Any such obligations in the United States, not to exceed Ten Million and No/100 ($10,000,000) in any single instance

and said companies hereby ratify and confirm all and whatsoever said Attorney(s)-in-fact may lawfully do in the premises by virtue of these presents. These appointments are made under and by authority of the following Resolution passed by the Board of Directors of said Companies which resolutions are still in effect:

"RESOLVED, That the President or any Vice President, in conjunction with any Assistant Vice President, be and they are hereby authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as its acts, to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 – Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by a Vice President and an Assistant Vice President, this **12th** day of **July , 2010.**

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

Mary Jeanne Anderson, Vice President

Robert K. Grennan, Assistant Vice President

THE COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF WORCESTER) ss.

On this **12th** day of **July , 2010** before me came the above named Vice President and Assistant Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.

BARBARA ANN GARLICK
Notary Public
Commonwealth of Massachusetts
My Commission Expires Nov 3, 2011

Notary Public

My commission expires on November 3, 2011

I, the undersigned Assistant Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

This Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America.

"RESOLVED, That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or any Vice President in conjunction with any Assistant Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this 11th day of FEBRUARY , 20 14

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

Stephen L. Brault, Assistant Vice President

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

State of California
County of Sacramento

On 02-11-2014 (Date) before me, Leticia Castro, Notary Public (Here Insert Name and Title of the Officer),

personally appeared Billy G. Bergan (Name(s) of Signer(s)),

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

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

WITNESS my hand and official seal.

Signature: Leticia Castro
Signature of Notary Public

LETICIA CASTRO
Commission # 1949510
Notary Public - California
Sacramento County
My Comm. Expires Sep 18, 2015

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Individual
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Individual
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

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Item #5907

CITY OF SACRAMENTO
CERTIFICATE OF INSURANCE

This is to certify to the CITY OF SACRAMENTO that the insurance policies listed below have been issued to the named insured and are in force at this time.

NAMED INSURED: **Peterson Developments**

ADDRESS: **4728 Kenneth Ave, Fair Oaks, CA 95628**

DESCRIPTION OF PERMIT / CONTRACT: **Wild Rose Park (L19187001)**

TYPE OF INSURANCE	INSURER AND POLICY NUMBER	POLICY PERIOD	LIMITS OF LIABILITY	Each Occurrence	Aggregate
GENERAL LIABILITY (X) General Liability ( ) Liquor Liability (X) Contractual (X) Products / Completed Operations (X) Personal Injury (X) Broad Form Property Damage	LHA137262	12/01/13-14	BODILY INJURY	$	$
			PROPERTY DAMAGE	$	$
			BODILY INJURY AND PROPERTY DAMAGE COMBINED	$1,000,000	$ 2,000,000
			DEDUCTIBLE	$ 5,000	$ 5,000
AUTOMOBILE LIABILITY ( ) Owned, Non-Owned and Hired Automobiles	BA6155P96A13SEL	12/01/13-14	BODILY INJURY (EACH PERSON)	$	
			BODILY INJURY (EACH ACCIDENT)	$	
			PROPERTY DAMAGE	$	
			BODILY INJURY AND PROPERTY DAMAGE COMBINED	$ 1,000,000	
UMBRELLA LIABILITY ( ) Umbrella / Excess Liability	83574E131ALI	12/01/13-14	SINGLE LIMIT	$	
			SELF-INSURED RETENTION	$	
WORKERS' COMPENSATION ( ) Workers' Compensation and Employer Liability	2246	06/01/13-14	EMPLOYER LIABILITY LIMIT	$ 1,000,000	
FIRE ( ) Fire & Extended Coverage Perils			AMOUNT OF INSURANCES	$	
MISCELLANEOUS COVERAGE ( ) Aircraft Liability (including passenger injuries) ( ) Garage Keepers Liability ( ) Watercraft Liability ( ) Professional Liability			BODILY INJURY	$	
			PROPERTY DAMAGE	$	
			AMOUNT OF INSURANCES	$	
			BODILY INJURY	$	
			PROPERTY DAMAGE	$	
			AMOUNT OF INSURANCES	$	
OTHER INSURANCE (Indicate)					

THE FOLLOWING PROVISIONS APPLY:

1. None of the above described coverage will be cancelled, reduced or non-renewed until after 30 days written notice has been given to the Risk Management Manager, City of Sacramento.

2. The City of Sacramento, its officials, agents and employees are named on all liability policies described above (except professional liability policies) as additional insureds with respect to all operations performed for the City of Sacramento by or on behalf of the named insured.

3. The above policies include a severability of interest clause.

Any liability insurance maintained by the City of Sacramento will apply only in excess of the liability insurance coverage and limits described above.

DATE ISSUED **2/13/2014**

AUTHORIZED REPRESENTATIVE OF INSURANCE COMPANY

Signature Title

Steven Bozzuto Insurance Agency, Inc
Company Name

9300 Madison Ave, Orangevale, CA 95662
Address

800-400-6394
Phone

This Endorsement Changes The Policy. Please Read It Carefully.

ADDITIONAL INSURED BLANKET – PRIMARY AND YOUR WORK

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE FORM

SCHEDULE	
Name of Person or Organization:	Any person or organization to whom or to which you are obligated by virtue of a written contract or by the issuance or existence of a written permit, to provide insurance such as is afforded by this policy.

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; and/or "your work" defined for the additional insured(s) designated above included in the "products-completed operations hazard".

B. If you are required by a written contract to provide primary insurance, this policy shall be primary and **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS, 4. Other Insurance** does not apply, but only with respect to coverage provided by this policy.

This endorsement effective 12/1/2013
forms part of Policy Number LHA137262
issued to PETERSON DEVELOPMENTS
by Landmark American Insurance Company

Sta Boozt - Broker

RSG 15017 1207 (1185)

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

AUTO COVERAGE PLUS ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

GENERAL DESCRIPTION OF COVERAGE – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to the Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Limitations and exclusions may apply to these coverages. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

A. BLANKET ADDITIONAL INSURED
B. EMPLOYEE HIRED AUTO
C. EMPLOYEES AS INSURED
D. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS
E. TRAILERS – INCREASED LOAD CAPACITY
F. HIRED AUTO PHYSICAL DAMAGE
G. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT
H. AUDIO, VISUAL AND DATA ELECTRONIC EQUIPMENT – INCREASED LIMIT
I. WAIVER OF DEDUCTIBLE – GLASS
J. PERSONAL EFFECTS
K. AIRBAGS
L. AUTO LOAN LEASE GAP
M. BLANKET WAIVER OF SUBROGATION

A. BLANKET ADDITIONAL INSURED

The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – LIABILITY COVERAGE**:

Any person or organization who is required under a written contract or agreement between you and that person or organization, that is signed and executed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to be named as an additional insured is an "insured" for Liability Coverage, but only for damages to which this insurance applies and only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Section II.

B. EMPLOYEE HIRED AUTO

1. The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – LIABILITY COVERAGE**:

   An "employee" of yours is an "insured" while operating a covered "auto" hired or rented under a contract or agreement in that "employee's" name, with your permission, while performing duties related to the conduct of your business.

2. The following replaces Paragraph **b.** in **B.5., Other Insurance**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

   b. For Hired Auto Physical Damage Coverage, the following are deemed to be covered "autos" you own:

      (1) Any covered "auto" you lease, hire, rent or borrow; and

      (2) Any covered "auto" hired or rented by your "employee" under a contract in that individual "employee's" name, with your permission, while performing duties related to the conduct of your business.

   However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

C. EMPLOYEES AS INSURED

The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – LIABILITY COVERAGE**:

© 2010 The Travelers Indemnity Company. All rights reserved.
Includes copyrighted material of Insurance Services Office, Inc. with its permission.

Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

D. **SUPPLEMENTARY PAYMENTS – INCREASED LIMITS**

1. The following replaces Paragraph **A.2.a.(2)** of **SECTION II – LIABILITY COVERAGE**:

   (2) Up to $3,000 for cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.

2. The following replaces Paragraph **A.2.a.(4)** of **SECTION II – LIABILITY COVERAGE**:

   (4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to $500 a day because of time off from work.

E. **TRAILERS – INCREASED LOAD CAPACITY**

The following replaces Paragraph **C.1.** of **SECTION I – COVERED AUTOS**:

1. "Trailers" with a load capacity of 3,000 pounds or less designed primarily for travel on public roads.

F. **HIRED AUTO PHYSICAL DAMAGE**

The following is added to Paragraph **A.4., Coverage Extensions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Hired Auto Physical Damage Coverage

If hired "autos" are covered "autos" for Liability Coverage but not covered "autos" for Physical Damage Coverage, and this policy also provides Physical Damage Coverage for an owned "auto", then the Physical Damage Coverage is extended to "autos" that you hire, rent or borrow subject to the following:

(1) The most we will pay for "loss" in any one "accident" to a hired, rented or borrowed "auto" is the lesser of:

   (a) $50,000;

   (b) The actual cash value of the damaged or stolen property as of the time of the "loss"; or

   (c) The cost of repairing or replacing the damaged or stolen property with other property of like kind and quality.

(2) An adjustment for depreciation and physical condition will be made in determining actual cash value in the event of a total "loss".

(3) If a repair or replacement results in better than like kind or quality, we will not pay for the amount of betterment.

(4) A deductible equal to the highest Physical Damage deductible applicable to any owned covered "auto".

(5) This Coverage Extension does not apply to:

   (a) Any "auto" that is hired, rented or borrowed with a driver; or

   (b) Any "auto" that is hired, rented or borrowed from your "employee".

G. **PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT**

The following replaces the first sentence in Paragraph **A.4.a., Transportation Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

We will pay up to $50 per day to a maximum of $1,500 for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type.

H. **AUDIO, VISUAL AND DATA ELECTRONIC EQUIPMENT – INCREASED LIMIT**

Paragraph **C.2., Limit Of Insurance**, of **SECTION III – PHYSICAL DAMAGE COVERAGE** is deleted.

I. **WAIVER OF DEDUCTIBLE – GLASS**

The following is added to Paragraph **D., Deductible**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

No deductible for a covered "auto" will apply to glass damage if the glass is repaired rather than replaced.

J. **PERSONAL EFFECTS**

The following is added to Paragraph **A.4., Coverage Extensions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Personal Effects Coverage

We will pay up to $400 for "loss" to wearing apparel and other personal effects which are:

(1) Owned by an "insured"; and

(2) In or on your covered "auto".

This coverage only applies in the event of a total theft of your covered "auto".

No deductibles apply to Personal Effects coverage.

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K. AIRBAGS

The following is added to Paragraph **B.3., Exclusions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Exclusion **3.a.** does not apply to "loss" to one or more airbags in a covered "auto" you own that inflate due to a cause other than a cause of "loss" set forth in Paragraphs **A.1.b.** and **A.1.c.**, but only:

a. If that "auto" is a covered "auto" for Comprehensive Coverage under this policy;

b. The airbags are not covered under any warranty; and

c. The airbags were not intentionally inflated.

We will pay up to a maximum of $1,000 for any one "loss".

L. AUTO LOAN LEASE GAP

The following is added to Paragraph **A.4., Coverage Extensions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Auto Loan Lease Gap Coverage for Private Passenger Type Vehicles

In the event of a total "loss" to a covered "auto" of the private passenger type shown in the Schedule or Declarations for which Physical Damage Coverage is provided, we will pay any unpaid amount due on the lease or loan for such covered "auto" less the following:

(1) The amount paid under the Physical Damage Coverage Section of the policy for that "auto"; and

(2) Any:

(a) Overdue lease or loan payments at the time of the "loss";

(b) Financial penalties imposed under a lease for excessive use, abnormal wear and tear or high mileage;

(c) Security deposits not returned by the lessor;

(d) Costs for extended warranties, Credit Life Insurance, Health, Accident or Disability Insurance purchased with the loan or lease; and

(e) Carry-over balances from previous loans or leases.

M. BLANKET WAIVER OF SUBROGATION

The following replaces Paragraph **A.5., Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

5. Transfer Of Rights Of Recovery Against Others To Us

We waive any right of recovery we may have against any person or organization to the extent required of you by a written contract executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of the operations contemplated by such contract. The waiver applies only to the person or organization designated in such contract.

Stan Bossert - Broker

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A Human Resource Management Company

103562

February 10, 2014

PETERSON DEVELOPMENTS
4728 KENNETH AVE

FAIR OAKS, CA 95628-6244

Re: Barrett Business Services, Inc. ("BBSI")
Letter of Self-Insurance for Workers' Compensation Coverage
For PETERSON DEVELOPMENTS, CSLB license number 302078

As the named addressee of this Letter, your company's required workers' compensation coverage is provided through BBSI's state approved Self-Insured Workers' Compensation Plan. As a party to a co-employment contract with BBSI, which is effective from 6/1/2013 until 5/30/2014, California Labor Code §3602 allows PETERSON DEVELOPMENTS to obtain its workers' compensation coverage from BBSI.

BBSI's California customers can also verify BBSI's state certification at http://www.dir.ca.gov/osip/PrivateRoster.pdf; then scroll down to Barrett (the list is alphabetical by company name). Additional information is as follows:

State: **California**		Employer Liability Limits:	
Self Insurance Certification #:	2246	$5,000,000.00	Each Accident
		$5,000,000.00	Disease Coverage Limit by Client
		$5,000,000.00	Disease; Each Employee

Notice of Termination: In the event the contract between BBSI and PETERSON DEVELOPMENTS is terminated, BBSI must provide notice of the termination within seven (7) days to the California Contractors State License Board ("CSLB").

Other Comments (place an "X" if applicable):

[X] Waiver of Subrogation: BBSI and PETERSON DEVELOPMENTS agree to waive their right of subrogation for the benefit of:
City of Sacramento, it's officials, employees, and volunteers at Wild Rose Park - 5200 Kankakee Drive Sacramento, CA 95835

[X] Named "Letter Holder": City of Sacramento Attn: Deb Patterson, Risk Management 915 I Street, 4th Flooer Sacramento, CA 95814

[ ] Other:

Additionally, BBSI's self-insured program is further supported by an excess workers' compensation insurance policy with ACE American Insurance Co. Copy of certificate is available upon request.

For additional information, please contact your local BBSI office at: **SACRAMENTO**
(916) 256-1000

Very truly yours,

doc: LOSI-3

Michael L. Elich
President and Chief Executive Officer

WORKER'S COMPENSATION CERTIFICATION

In accordance with Article 5 (commencing at Section 1860), Chapter 1, Part 7, Division 2 of the Labor Code, the below certificate must be signed and filed with the awarding body prior to performing any work under this contract. Labor Code Section 3700, inter alia, states the following:

"Every employer shall secure the payment of compensation in one or more of the following ways:

"(a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this State.

"(b) By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employees.

To be signed by authorized corporate officer or partner or individual submitting the Proposal. If Bidder is: (example)

1. An individual using a firm name, sign: "John Doe, an individual doing business as Blank Company."
2. An individual doing business under his own name, Sign: your name only.
3. A co-partnership, sign: "John Doe and Richard Doe, co-partners doing business as Blank Company, by, John Doe, co-partner.
4. A corporation, sign: "Blank Company, by John Doe, Secretary." (or other title)

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

DATE: 2-10-14

Contractor Peterson Developments

By [signature]
Jon W. Peterson, owner
Signature

h:\documents\contract mgmt\wild rose park\construction bid_12-3-13\docs to low bidder\25-workers comp cert.docx

CITY OF SACRAMENTO
Department of Parks and Recreation
Park Planning & Development Services

SCHEDULE OF VALUES

Remit To:
Department of Parks and Recreation
Park Planning and Development Services
915 I Street, 3rd Floor
Sacramento, CA 95814

PROJECT NAME: WILD ROSE PARK
CITY PROJ. NO: L19187001

FUNDING: 3204-51000000-L19187001-472011

CONTRACTOR: Peterson Developments

ADDRESS: 4728 Kenneth Avenue
Fair Oaks, CA 95628
PHONE NO: 1.916.961.4756

Payment No. _____
Work Performed Thru _____
Date Payment Submitted _____
Days Expended on Contract _____

Item No.	Item Description	Estimated Quantity	Unit	Unit Price	Authorized Amount	This Estimate		Total Work Completed		Quantity Remaining
						Quantity	$ Amount	Quantity	$ Amount	
	BASE BID ITEMS									
1	Site Clearing and Grubbing	1	LS	$5,300.00	$5,300.00					
2	Temporary Construction Fence	1	LS	$24,600.00	$24,600.00					
3	Demolition	1	LS	$131,833.00	$131,833.00					
4	Erosion and Sediment Control for Sites 1 Acre and Over	1	LS	$18,102.00	$18,102.00					
5	Site Staking	1	LS	$8,000.00	$8,000.00					
6	Site Grading	1	LS	$30,000.00	$30,000.00					
7	6" PVC Drain Pipe	1	LS	$24,992.00	$24,992.00					
8	8" PVC Drain Pipe	1	LS	$35,000.00	$35,000.00					
9	10" PVC Drain Pipe	1	LS	$11,730.00	$11,730.00					
10	12" PVC Drain Pipe	1	LS	$9,040.00	$9,040.00					
11	6" French Drain	1	LS	$6,180.00	$6,180.00					
12	Catch Basin	1	LS	$42,900.00	$42,900.00					
13	Play Area Catch Basin	1	LS	$2,500.00	$2,500.00					
14	Water Play Area Deck Drain	1	LS	$1,000.00	$1,000.00					
15	Storm Drain Manhold No. 4	1	LS	$8,300.00	$8,300.00					
16	Sewer Manhole No. 3	1	LS	$10,000.00	$10,000.00					
17	2" Sewer Pipe	1	LS	$5,008.00	$5,008.00					
18	6" Sewer Pipe	1	LS	$21,945.00	$21,945.00					
19	Domestic Water System	1	LS	$14,500.00	$14,500.00					
20	Site Electrical System	1	LS	$61,000.00	$61,000.00					
21	Aggregate Base	1	LS	$31,000.00	$31,000.00					
22	Concrete Flatwork	1	LS	$101,750.00	$101,750.00					
23	Concrete Flatwork for Vehicular Access	1	LS	$44,850.00	$44,850.00					
24	Colored Concrete Flatwork	1	LS	$17,820.00	$17,820.00					
25	9" Concrete Mowstrip	1	LS	$95,250.00	$95,250.00					

CITY OF SACRAMENTO
Department of Parks and Recreation
Park Planning & Development Services

SCHEDULE OF VALUES

Remit To:
Department of Parks and Recreation
Park Planning and Development Services
915 I Street, 3rd Floor
Sacramento, CA 95814

PROJECT NAME: WILD ROSE PARK
CITY PROJ. NO: L19187001

FUNDING: 3204-51000000-L19187001-472011

CONTRACTOR: Peterson Developments

ADDRESS: 4728 Kenneth Avenue
Fair Oaks, CA 95628

PHONE NO: 1.916.961.4756

Payment No. _____
Work Performed Thru _____
Date Payment Submitted _____
Days Expended on Contract _____

Item No.	Item Description	Estimated Quantity	Unit	Unit Price	Authorized Amount	This Estimate		Total Work Completed		Quantity Remaining
						Quantity	$ Amount	Quantity	$ Amount	
26	Concrete Mowstrip at Ballfield Fencing	1	LS	$4,050.00	$4,050.00					
27	6" Play Area Curb	1	LS	$14,300.00	$14,300.00					
28	Play Area Access Ramp	1	LS	$1,500.00	$1,500.00					
29	Concrete Driveway Access	1	LS	$900.00	$900.00					
30	Concrete Seatwall	1	LS	$18,450.00	$18,450.00					
31	Concrete Round Pilaster	1	LS	$4,560.00	$4,560.00					
32	Concrete Step	1	LS	$1,575.00	$1,575.00					
33	Concrete Planter Curb	1	LS	$16,750.00	$16,750.00					
34	Shade Structure at Central Gathering Area	1	LS	$52,336.00	$52,336.00					
35	Fabric Shade Canopy at Play Area	1	LS	$52,606.00	$52,606.00					
36	3' High Tubular Steel Fence at Play Area	1	LS	$18,374.00	$18,374.00					
37	Tubular Steel Fence and Gates at Community Garden	1	LS	$25,290.00	$25,290.00					
38	Community Garden	1	LS	$9,993.00	$9,993.00					
39	Stablilized Decomposed Granite Pavement	1	LS	$17,277.00	$17,277.00					
40	Removable Bollard	1	LS	$2,000.00	$2,000.00					
41	Basketball Court Paving & Striping	1	LS	$5,000.00	$5,000.00					
42	Basketball Post, Backboard, Goal and Net	1	LS	$11,845.00	$11,845.00					
43	Baseball Backstop	1	LS	$16,273.00	$16,273.00					
44	Baseball Overthrow Fence	1	LS	$14,059.00	$14,059.00					
45	Baseball Field Accessories	1	LS	$3,327.00	$3,327.00					
46	Infield Mix	1	LS	$34,360.00	$34,360.00					
47	Players' Bench	1	LS	$7,597.00	$7,597.00					
48	Drinking Fountain	1	LS	$7,820.00	$7,820.00					
49	Group BBQ	1	LS	$3,120.00	$3,120.00					

CITY OF SACRAMENTO
Department of Parks and Recreation
Park Planning & Development Services

SCHEDULE OF VALUES

Remit To:
Department of Parks and Recreation
Park Planning and Development Services
915 I Street, 3rd Floor
Sacramento, CA 95814

PROJECT NAME: WILD ROSE PARK
CITY PROJ. NO: L19187001

FUNDING: 3204-51000000-L19187001-472011

CONTRACTOR: **Peterson Developments**

ADDRESS: **4728 Kenneth Avenue**
Fair Oaks, CA 95628
PHONE NO: **1.916.961.4756**

Payment No. _____
Work Performed Thru _____
Date Payment Submitted _____
Days Expended on Contract _____

Item No.	Item Description	Estimated Quantity	Unit	Unit Price	Authorized Amount	This Estimate		Total Work Completed		Quantity Remaining
						Quantity	$ Amount	Quantity	$ Amount	
50	Picnic Table	1	LS	$11,636.00	$11,636.00					
51	Round Plaza Table	1	LS	$18,045.00	$18,045.00					
52	Bench	1	LS	$11,464.00	$11,464.00					
53	Trash Receptacle	1	LS	$4,548.00	$4,548.00					
54	Bike Rack	1	LS	$3,000.00	$3,000.00					
55	Play Equipment	1	LS	$246,760.00	$246,760.00					
56	Playground Wood Fiber	1	LS	$18,351.00	$18,351.00					
57	Resilient Playground Surfacing	1	LS	$16,817.00	$16,817.00					
58	Water Play / Spray Pad Equipment	1	LS	$62,872.00	$62,872.00					
59	Concrete Park Sign	1	LS	$7,777.00	$7,777.00					
60	Park Rules Sign	1	LS	$3,140.00	$3,140.00					
61	Playground Sign	1	LS	$1,500.00	$1,500.00					
62	Booster Pump Assembly	1	LS	$25,884.00	$25,884.00					
63	Irrigation Central Control System	1	LS	$74,602.00	$74,602.00					
64	Automatic Irrigation System	1	LS	$249,414.00	$249,414.00					
65	Soil Preparation and Finish Grading	1	LS	$105,932.00	$105,932.00					
66	Landscape Weed Block Fabric	1	LS	$16,733.00	$16,733.00					
67	Bark Mulch	1	LS	$46,845.00	$46,845.00					
68	24" Box Tree	1	LS	$26,188.00	$26,188.00					
69	15 Gallon Tree	1	LS	$5,725.00	$5,725.00					
70	Shrub and Groundcover Areas	1	LS	$33,393.00	$33,393.00					
71	Turf Hydroseeding	1	LS	$21,388.00	$21,388.00					
72	Plant Establishment (90 Days)	1	LS	$8,064.00	$8,064.00					
	BASE BID TOTAL				$2,126,040.00					

CITY OF SACRAMENTO
Department of Parks and Recreation
Park Planning & Development Services

SCHEDULE OF VALUES

Remit To:
Department of Parks and Recreation
Park Planning and Development Services
915 I Street, 3rd Floor
Sacramento, CA 95814

PROJECT NAME: WILD ROSE PARK
CITY PROJ. NO: L19187001

FUNDING: 3204-51000000-L19187001-472011

CONTRACTOR: Peterson Developments

ADDRESS: 4728 Kenneth Avenue
Fair Oaks, CA 95628

PHONE NO: 1.916.961.4756

Payment No. _____
Work Performed Thru _____
Date Payment Submitted _____
Days Expended on Contract _____

Item No.	Item Description	Estimated Quantity	Unit	Unit Price	Authorized Amount	This Estimate		Total Work Completed		Quantity Remaining
						Quantity	$ Amount	Quantity	$ Amount	
	ADDITIVE ALTERNATE BID ITEMS									
A1	Concrete Skate Area (Complete)	1	LS	not awarding	$0.00					
A2	Shade Structure at Community Garden, Skate Area & Seating Area	1	LS	not awarding	$0.00					
A3	Demonstration Garden, Bocce Ball Court & Fitness Station	1	LS	not awarding	$0.00					

TOTAL AMOUNT TO AWARD **$2,126,040.00**

	CHANGE ORDERS										
1		1	LS								
2		1	LS								
3		1	LS								
4		1	LS								
5		1	LS								
	TOTAL CHANGE ORDER AMOUNT				**$0.00**						
	TOTAL AMENDED CONTRACT AMOUNT				**$2,126,040.00**						

GUARANTEE

We hereby guarantee the: **WILD ROSE PARK (L19187001)**

City of Sacramento for one (1) year in accordance with the guarantee required in the specifications. We agree to repair or replace any or all such work, together with all or any other work which may be displaced in so doing, that may be proven defective in workmanship or material within the one-year period from the date of acceptance without any expense whatsoever to the City, ordinary wear and tear and unusual abuse or neglect excepted.

In the event of our failure to comply with the above-mentioned conditions within five (5) days time after being notified in writing, we collectively or separately, do hereby authorize the City to proceed to have the defects repaired and made good at our expense and will pay the costs and damages, including but not limited to any related attorney fees and City staff and administrative expenses, therefore immediately upon demand.

Dated: 2/19/14

Signed: [signature]

Jon W. Peterson
Printed Name

Peterson Developments
Company

4728 Kenneth Ave.
Address

Fair Oaks, CA. 95628

SPECIAL PROVISIONS

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SPECIAL PROVISIONS FOR:

WILD ROSE PARK

PN: L19187001

I. GENERAL REQUIREMENTS

A. SCOPE AND LOCATION OF WORK

The work to be performed under these Special Provisions consists of developing Wild Rose Park in North Natomas, Sacramento at 5200 Kankakee Drive. The improvements will consist of clearing and grubbing, grading and drainage, concrete walkways and curbs, children's playground, open turf areas, half basketball courts, bocce ball courts, open turf area, group picnic area, automatic irrigation system with central control, landscaping, electrical, park signage, park name sign, site furniture, metal shade shelter, fabric shade canopy, concrete skate area, demonstration garden, community garden and fitness stations.

B. COMPLETION TIME

The time for the completion of all work is **80 (Eighty) working days** from the Notice to Proceed for substantial completion and **90 (Ninety) calendar days** for plant establishment. Should said work not be completed to the satisfaction of the City within said time, the contractor shall pay to the City of Sacramento a sum of **ONE THOUSAND DOLLARS ($1,000.00)** as liquidated damages and not as a penalty for each calendar day delay after the expiration of such period until the final acceptance of the work by the City and its delivery to the City.

The Notice to Proceed for this project will be issued on March 15, 2014 with the intent that Construction operations will begin no later than April 1, 2014.

C. SPECIFICATIONS

The work to be performed under this contract shall be done in accordance with the Standard Specifications of the City of Sacramento, adopted June 2007, referred to herein as "Standard Specifications" as modified by these Special Provisions, which shall apply to all work.

i. Standard Specification 1-23 Engineer shall also mean Landscape Architect as defined in Standard Specification Section 1-33.

ii. Standard Specifications Section 2-9 SUBCONTRACTORS:

If a prime Contractor fails to specify to a subcontractor, or, if a prime Contractor specifies more than one (1) subcontractor for the same portion of work to be performed under the Contract which portion exceeds one-half of one percent of the prime Contractor's total bid, the prime contractor agrees that he or she is fully qualified to perform that portion himself or herself, and that the prime contractor shall perform that portion himself or herself. If after award of the Contractor such prime Contractor shall, except as provided in Section 4107 or 4109 of the Act, the subcontract any portion of the work, such prime Contractor shall be subject to the penalties specified in Section 4111 of the Act.

Contractor shall perform with his own organization and with the assistance of workers under his immediate superintendent, work of a value not less that twenty percent (20%) of the value of all work in the Contract. The value of any work subcontracted shall be determined by multiplying the number of units subcontracted of any item as determined from the Landscape Architect's Estimate by the unit price.

iii. Standard Specifications Section 5-4 COOPERATION OF CONTRACTOR

Add the following after the last paragraph of the Standard Specifications Section 5-4 COOPERATION OF CONTRACTOR with the following:

Contractor shall cooperate with the Landscape Architect, Landscape Architects, and with other Contractors in every way possible. The Landscape Architects shall designate sequence of construction in case of controversy between Contractors.

iv. Standard Specifications Section 8 MEASUREMENT OF QUANTITIES

Delete the paragraph following Section heading 8-1 and replace it with the following: "The City shall determine quantities of work acceptable under the terms of the contract. Not more than once per month the Contractor shall present to the City a statement showing the amount of labor and materials incorporated into the work."

v. Special Notice Regarding Standard Specifications: The Standard Specifications of the City of Sacramento, dated June 2007, are subject to the provisions of Title 3 of the Sacramento City Code. If there is any conflict between the Standard Specifications as currently written and Title 3 of the Sacramento City Code, the latter shall govern.

vi. Standard Specifications Section 7 PROSECUTION AND PROGRESS. Add the following after the last paragraph of the Standard Specifications. Section 7-2 WORK SCHEDULE AND ADEQUATE RESOURCES. Contractor shall submit with each Pay Request Application an updated Work Schedule. The updated Work

Schedule is an integral part of the Pay Request Application. The Pay Request Application will not be accepted for processing without an accompanying updated Work Schedule.

Special Notice Regarding Standard Specifications: The Standard Specifications of the City of Sacramento, dated June 2007, are now subject to the provisions of Title 3 of the Sacramento City Code. If there is any conflict between the Standard Specifications as currently written and Title 3 of the Sacramento City Code, the latter shall govern.

D. SUBCONTRACTORS

The Contractor shall comply with Section 2-9 of the Standard Specifications except that the limit of subletting to 50% of the Contract amount shall not apply.

E. SCHEDULE OF UNIT PRICES

The successful lowest responsible bidder shall provide a Schedule of Unit Prices to the Landscape Architect prior to the award of the contract. The form for the Schedule of Unit Prices will be provided to the successful lowest responsible bidder by the Landscape Architect. This schedule of unit prices shall be not be used for payment. Unit prices provided on the schedule of unit prices are for information only and may be used as a basis for determining costs in changes in the work.

F. TIME OF AWARD

Section 3-2, "Time of Award: of the Standard Specifications is hereby amended for this project. Time of Award for this contract shall be made within ninety (90) calendar days after opening of the proposals to the lowest responsible bidder, unless otherwise stated in the contract agreement.

G. PRE-BID INTERPRETATION OF CONTRACT DOCUMENTS

No oral representations or interpretation will be made to any bidder as to the meaning of the contract documents. Request for interpretation shall be made in writing, and delivered to the City at least seven (7) days before the time announced for opening the proposals. Interpretation, where necessary, will be made by the City in the form of an addendum to the contract documents, and when issued, will be sent as promptly as is practical to all parties to whom the bid documents have been issued. All such addenda shall become part of the contract. Request for information regarding this procedure or other similar information, shall be directed to ***Tin-Wah Wong, City Project Manager / Landscape Architect, Department of Parks and Recreation, Park Planning & Development Services, Landscape Architecture Section, 915 I Street, 3rd Floor, Sacramento, CA 95814, (916) 808-5540, FAX (916) 808-8275.***

It shall also be the bidder's responsibility to call to the attention of the Landscape Architect any missing pages or drawings in the contract documents including the addenda. These items shall be brought to the attention of the Landscape Architect at least seven (7) days before the bid opening date.

H. PRE-JOB CONFERENCE AND CONSTRUCTION SCHEDULE

The Contractor, after delivery of the contract and at least three days (3) days before beginning work, shall notify the Park Construction Landscape Architect and arrange a pre-job conference. The Contractor shall submit to the Park Construction Landscape Architect construction progress schedules in accordance with Section 7-2 of the Standard Specifications.

I. WORKMANSHIP AND MATERIALS

Except as otherwise specified, all materials and equipment incorporated in the work under the contract shall be new. The quality of materials and workmanship shall be in accordance with the provisions of Section 5-17 of the Standard Specifications. Appearance of the finished work is of primary importance in all phases of this project. Any portion of the work may be rejected due to appearance.

J. TRADE NAMES AND ALTERNATIVES

In accordance with Paragraph 5-18 of the Standard Specifications of the City of Sacramento, certain articles or materials to be incorporated in the work may be designated, for convenience, under a trade name or the name of a manufacturer and his catalogue information. The use of an alternative article or material which is of equal quality and of the required characteristics for the purpose intended will be permitted, subject to the approval of the Landscape Architect. The Contractor shall, within **seven (7) calendar days** after the award of the contract, submit for the review of the Landscape Architect, materials, products, equipment and services which differ in any respect from the materials, products, equipment and services specified. Such submittals shall be accompanied by data to substantiate that such items are equal to those specified. The Landscape Architect shall be the sole judge as to the quality and suitability of substitutions and his/her decision is final. Requests for substitutions will not be entertained or considered by the Landscape Architect during the bidding period. No delay or extension of the contract time will be allowed because of the time required for submitting substitutions or for determining their equality. Failure to propose the substitution of any article or service within thirty (30) days after the award of the contract will be deemed sufficient cause for the denial of request for substitution.

After an approval for a substitution is given, the Contractor shall be responsible for any variation of dimensions, locations, connections, sizes and openings, type and construction of substrate or support to receive materials, etc. The Contractor shall furnish and install any and all additional materials as may be required to perform a complete job without additional cost to the City.

Request for approval shall, in addition to following the directions described above, list any and all deviations in the quality, criteria, characteristics or dimensions from the specified item or items. Any deviations in the quality, criteria, characteristics or dimensions that do not appear in the request for approval and subsequently appear in the shop drawings or in the product or installation, may cause the Contractor to be directed to remove the item or items

in total and at his expense, and to provide and install the item or items as originally specified. The mere mention in the request for approval that the item or items will be in accord with the manufacturer's specification or catalog will not be sufficient to alter the specifications unless approval is given to requests, which specifically list in the requesting letter where deviations in the quality, criteria, characteristics or dimensions exist.

K. ACCIDENT PREVENTION

The Contractor's attention is directed to Section 6-9 of the Standard Specifications, which requires compliance with all requirements of the California Occupational Safety and Health Act.

L. LOCATION OF EQUIPMENT AND PIPING

Drawings showing locations of equipment, piping, valves, sprinkler heads, and other appurtenances are diagrammatic only. When installation deviates from the plans and specifications, the Landscape Architect shall be notified for approval. The Contractor will be held responsible for deviations made without first obtaining the Landscape Architect's approval, and shall remove and relocate such items at his own expense if so directed by the Park Construction Landscape Architect.

M. RELIEF FROM MAINTENANCE AND RESPONSIBILITY - RESOLUTION NO. 108 - DATED MARCH 26, 1970

Upon the written request of the Contractor and upon written approval by the City Landscape Architect, the Contractor may be relieved of the duty of maintaining and protecting certain portions of the work, which have been completed in all respects in accordance with the requirements of the contract and to the satisfaction of the City Landscape Architect, and thereafter, except with his consent, the Contractor will not be required to do further work thereon. In addition, such action by the City Landscape Architect will relieve the Contractor of responsibility for injury or damage to said completed portions of the work resulting from use by public traffic or from the action of the elements or from any other cause but not from injury or damage resulting from the Contractor's own operations or from his negligence. Nothing in this section providing for relief from maintenance and responsibility will be construed as relieving the Contractor of full responsibility for repairing or replacing defective work or materials found at any time before either the formal acceptance of the entire contract by the City Council, or during the applicable guarantee period.

N. CONFLICTS

This Section of the Special Provisions shall supersede Section 5-3 of the Standard Specifications. In case of conflict between drawings and specifications, the drawings shall govern in matters of quantity, the specifications in matters of quality. In case of conflict within the drawings involving quantities or within the specifications involving qualities, the greater quantity and the higher quality shall be furnished.

O. PROTECTION OF FACILITIES

The Contractor shall be directed to Section 7-7 of the Standard Specifications, which shall also include protecting the work and materials to be used thereon from damage or loss due to theft, vandalism and malicious mischief. The Contractor shall be held responsible for such damages or loss, which he shall remedy at his expense.

P. PROTECTION OF DRAINAGE FACILITIES

The Contractor shall maintain all new drainage facilities so storm drainage runoff into the new system is clean. Use straw bales around inlets to minimize sediment infiltration during rainy season and control irrigation schedule to minimize runoff during initial planting of turf.

Q. CLEANING

The Contractor shall at all times keep the premises free from accumulations of waste material or rubbish caused by his employees work, and at the completion of work, he shall remove all his rubbish from and about the site and all his tools, scaffolding and surplus materials, and shall leave his work area, including all sidewalks and paving areas "broom clean", or its equivalent, unless more exactly specified in other trade sections of the specifications. In case of dispute, the City may remove the rubbish and charge the cost to the Contractor. The Contractor at his expense shall remove spillage resulting from hauling operations along or across any public traveled way immediately. Water or dust palliative shall be applied if ordered by the Park Construction Landscape Architect for the alleviation or prevention of dust nuisance. Construction operations shall be conducted in such a manner as to cause as little inconvenience as possible to abutting property owners.

R. SUBMITTALS

In accordance with the provisions of Section 5-7, Standard Specifications of the City of Sacramento (except where noted below), the Contractor shall furnish the Landscape Architect with such shop drawings and other descriptive materials as may be necessary to adequately describe the equipment, material, and fabricated items proposed to be furnished under this contract, and to determine their compliance with the specifications, design, and arrangement shown on the contract drawings. Items to conform to Special Provisions and may include but not limited to:

ITEM	PRODUCT DATA	SHOP DRAWINGS	MOCK-UP OR SAMPLE
Concrete Mix Finish & Colors	X		X
Expansion Joint Materials	X		
Welded-wire Mesh	X		
Aggregate Base	X		X
Shotcrete Concrete (Skate Area)	X		X
Catch Basins and Manholes	X		
Drain Pipe & Fittings	X		
Pea Gravel	X		
Sewer Pipe	X		
Domestic Water Pipe	X		
Play Equipment	X	X	
Play Area Resilient Surfacing	X		X
Play Area Wood Fibar	X		X
Drinking Fountain	X		
Bike Racks	X		
Trash Receptacles	X		
Benches	X		
Tables	X		
Basketball Standards & Accessories	X		
Shade Structure	X	X	
Shade Structure Paint Color	X		X
Fabric Shade Canopy	X	X	X
Water Play Equipment	X		
Compost Bin	X		
Storage Shed	X		
Bulletin Board	X		
Demonstration Garden Signs	X	X	
Park Sign	X	X	
Keystone Planter Block	X		X
Sprinkler Heads	X		
Quick Couplers	X		
Hose Bibs	X		
Valve Boxes & Lids	X		
Swing Joint Assemblies	X		
Mainline & Lateral Pipe	X		
Control Wire & Connectors	X		
Irrigation Controller	X		
Gate Valves	X		
Remote Control Valves	X		
Master Valve	X		
Flow Sensor	X		
PVC Fittings	X		
Solvent Weld for PVC	X		
Booster Pump	X		
Baseball Backstop	X	X	
Baseball Accessories	X		
Infield Mix	X		X

ITEM	PRODUCT DATA	SHOP DRAWINGS	MOCK-UP OR SAMPLE
Stabilized Decomposed Granite	X		X
Tubular Steel Fencing	X	X	
Skate Area Accessories	X		
Bocce Court Accessories	X		
Soil Amendments	X		X
Pre-emergent	X		
Bark Mulch	X		X
Hydroseed mix, tags & receipts	X		X
Plant Materials	X		
Electrical Materials	X		
Concrete Mix Finish & Colors	X		X
Expansion Joint Materials	X		
Welded-wire Mesh	X		
Aggregate Base	X		X
Shotcrete Concrete (Skate Area)	X		X
Catch Basins and Manholes	X		
Drain Pipe & Fittings	X		
Pea Gravel	X		
Sewer Pipe	X		
Domestic Water Pipe	X		

One (1) copy of such submittals shall be furnished for review by the Landscape Architect, **a digitally scanned copy** will promptly be returned with approval, rejection, or approval with modification. Neither equipment nor material shall deviate in any way from the approved drawings without prior written approval of the Landscape Architect. Any fabrication of other work performed in advance of such approval shall be done entirely at the risk of the Contractor. The approval of submitted drawings or other descriptive material shall not relieve the Contractor of any obligation or responsibility for fulfillment of the contract as prescribed.

S. RECORD DRAWINGS OF NEW CONSTRUCTION and OPERATING MANUALS

Record Drawings

Should the work as installed differ from the original design, the Contractor shall supply the City with a reproducible Mylar "as-built" drawing with all deviations from the original recorded thereon (layout and grades included). This "as-built" shall be found to be of acceptable quality by the Landscape Architect. Upon request, the City shall supply the Contractor with a Mylar base map for his/her "as-built" drawing. "As-built" drawings shall also be required as stated in Section 36-4 of the Standard Specifications.

The Contractor shall dimension from two (2) permanent points of reference, building corners, sidewalk, or road intersections, etc. the location of the following items:

a. Connection to existing domestic water line.

b. Connection to existing electrical power.
c. Master valves and gate valves.
d. Water meters and backflow preventers.
e. Routing of irrigation pressure lines and laterals (dimension maximum 100' along routing).
f. Irrigation control valves.
g. Routing for control valves.
h. Quick coupling valves.
i. Irrigation controllers.
j. Booster pump station.
k. Other related equipment as directed by the Construction Landscape Architect.

On or before the date of the final observation, the Contractor shall deliver "As-built" drawings to the Construction Landscape Architect.

Irrigation Controller Charts

1. "As-built" drawings shall be approved by the Construction Landscape Architect before the controller charts are prepared.

2. Contractor shall provide two (2) controller charts for each controller supplied.

3. The chart shall show using a different color for each water zone area controller by each remote control valve.

4. The chart shall be a reduced drawing to 11" x 17" size of the actual record drawing system. In the event the controller sequence is not legible when the drawing is reduced, it shall be enlarged to a size that is readable.

5. When completed and approved, the chart shall be hermetically sealed between two (2) pieces of plastic, each piece being a minimum ten (10) millimeters thick.

6. These charts shall be completed and approved prior to the final observation of the irrigation system.

7. On or before the date of the final observation, the Contractor shall deliver Irrigation Controller Charts to the Construction Landscape Architect.

Operation and Maintenance Manuals

1. Prepare and deliver four (4) operation manuals as specified and as follows:
    a. Catalog parts sheets and phone numbers of manufacturer's on every material and equipment installed under this contract.
    b. Guarantee statement.
    c. Complete operating and maintenance instructions on all major equipment.

2. In addition to the above mentioned maintenance manuals, provide evidence in writing to the Construction Landscape Architect at the conclusion of the project that the above services have been rendered.

3. On or before the date of the final observation, the Contractor shall deliver the Operation and Maintenance Manuals to the Construction Landscape Architect.

Play Equipment Compliance Letter

1. Contractor shall provide a letter from the play equipment representative addressed to the City of Sacramento guaranteeing compliance with American Society of Testing Materials (ASTM) and Consumer Product Safety Commissions (CPSC) regulations. Letter shall clearly state park name, date of inspection of play equipment representative, and play equipment components inspected.

2. On or before the date of the final observation, the Contractor shall provide the Play Equipment Compliance Letter to the Construction Landscape Architect.

Equipment to be Furnished

1. Supply as a part of this contract the following tools:
    a. Two (2) sets of special tools required for removing, disassembling and adjust each type of sprinkler and valve supplied on this project.
    b. Two (2) five (5) foot valve keys for operation of gate valves.
    c. Two (2) keys for each automatic controller.
    d. Two (2) quick coupler keys and matching hose swivels for each type of quick coupling valve installed.
    e. Five (5) sprinklers of each specified.

2. The above mentioned equipment shall be turned over to the Construction Landscape Architect at the conclusion of the project.

T. LICENSE REQUIREMENTS

For this publicly bid project either a General Engineering Contractor "A" that also holds a "C27" License, or a General Engineering Contractor "A" License with a qualified subcontractor "C27" Licensed. The "C27" contractor shall have previous park construction experience, and shall be required to install the irrigation and landscaping for this project. The "A" contractor is categorized as a general engineering contractor as stated in the Business and Professions Code (B&P) Section 7056 of Article 4 Classifications on the California Contractors State License Board website.

U. PROTECTION OF EXISTING CONCRETE AND ASPHALT PAVEMENTS

Contractor shall repair and replace to City standards any existing asphalt or concrete pavements damaged during construction activities at no expense to the City. These pavement areas include street, curb and gutter, sidewalk and park path. Contractor shall meet with City Landscape Architect prior to construction activities to document existing conditions of these paved areas.

V. PROJECT COORDINATION

Contractor shall complete all general coordination with the Project Manager, the Landscape Architect and other staff as necessary to complete the Project in an efficient workmanlike manner; Submittals; Record Drawings; Maintenance of

Traffic, Public Safety, and Convenience; Protection of Existing Improvements; Construction Facilities and Temporary Controls; Temporary Electricity; Project Closeout; and Operation and Maintenance Data for this project.

W. City Code 3.60.020 Determination of lowest responsible bidder

Where any provision of the city charter or this chapter requires competitive bidding and award of the contract for a public project to the lowest responsible bidder, the lowest responsible bidder shall be determined as follows:

a. In determining whether a bidder is responsible, consideration shall be given to: (i) the quality of a public project to be provided by the bidder; (ii) the ability, capacity and skill of the bidder to perform the contract; (iii) the ability of the bidder to perform the contract within the time specified, without delay; (iv) the character, integrity, reputation, judgment, experience and efficiency of the bidder; and (v) the quality of the bidder's performance on previous contracts with the city.

b. The city council may by resolution, from time to time, adopt standard minimum qualifications for bidders on competitively bid contracts for public projects. If such standard minimum qualifications are included in the bid specifications for a contract, no bidder shall be considered "responsible" unless it is determined to be responsible in consideration of the factors set forth in subsection A, above, and also meets such standard minimum qualifications at the time of bid opening. The adoption and use of standard minimum qualifications shall not in any way limit or affect the city's ability to: (i) review information contained in a bid, and additional relevant information, and determine whether the bidder is a responsive and/or responsible bidder; or (ii) establish different and/or additional qualification requirements for specific contracts.

c. The city council may by resolution, from time to time, adopt programs or procedures for providing bid price preferences, including but not limited to, preferences to promote the participation and utilization of small and emerging business enterprises in the city's contracting for public projects. The lowest responsible bidder shall be the responsible bidder whose bid is responsive to the bid requirements, including without limitation any small and emerging business enterprise program requirements included in the bid specifications, and whose bid price is the lowest, after all bid prices are calculated to include any applicable bid price preferences. (Ord. 2002-013 § 2: Ord. 99-007 § 3: prior code § 58.01.102)

X. City of Sacramento Subcontractor and ESBE Participation Verification FM440.

EBE and SBE Certification Statements are due to the contract manager by the close of business two days after bid opening.

Y. All publicly bid projects are subject to Performance and Payment Bonds.

Z. California Business and Professions Code, Section 7059 states that the Public Works agency has the authority to select classifications for the project.

Z1. TRAFFIC CONTROL

Unless otherwise approved by the Construction Landscape Architect, provide necessary barricades, detours, warning devises, flagmen, and equipment movements to maintain vehicle and pedestrian traffic on public streets and sidewalk.

Z2. BUILDING PERMITS

The City of Sacramento Department of Parks and Recreation has processed this project through the City of Sacramento Development Services Department and obtained plan approval for the issuance of commercial building permit. The final approved plan and permit documents shall be obtained by the Contractor from the Development Services Department office at 300 Richards Blvd., Sacramento, CA 95811. The approved plans must remain on site at all times during construction. Upon substantial completion of the project, the Contractor shall return the approved plan set to the City of Sacramento, Department of Parks and Recreations, Landscape Architecture Section, 915 I St. 3rd Floor Sacramento, CA 95814.

The contractor is responsible for coordinating all necessary City Building Department inspections as well as any special inspections required by the permit(s); and be responsible for finalizing / closing out the building permit(s) with the City Building Department. The contractor is responsible for obtaining all required signatures including the final inspection signature to finalize the Building Department permit. On or before the date of the final observation, the Contractor shall provide the finalized Building Department permit to the Construction Landscape Architect.

If the Contractor fails to allow for the required building permit and special inspections of the work, the Contractor shall be liable for the cost to remove and reconstruct work to allow for the required inspections and for the issuance of the final building permit.

The City shall pay for all building permit fees and special inspections. The Contractor is responsible for payment of the Operator's License Tax Fee when obtaining the approved plan and commercial building permit documents from Development Services.

II. ITEMS OF THE BASE BID PROPOSAL

Item No. 1 - Temporary Construction Fence

This item shall consist of furnishing, installing and maintaining a 6' high temporary construction Chain Link Fence around construction area as shown on the Plans in conformance with Section 10 of the Standard Specifications.

A. Demolition shall begin only after the temporary fence has been installed. 6' temporary fence to remain in place throughout the duration of the project until project acceptance, or as directed by the Landscape Architect. Fences with panel stands are preferred over in-ground mount.

Payment shall be made at the lump sum price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all work involved in completing the Temporary Construction Fence as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 2 - Site Clearing and Grubbing

This item shall consist of Site Clearing and Grubbing for the park development in conformance with Sections 12, 13, and 15 of the Standard Specifications and these Special Provisions.

A. Clearing and Grubbing shall conform to Section 12 of the Standard Specifications. All weeds under two inches (2") in height may be disked under to a minimum depth of six inches (6"). All other weeds, shrubs, brush, vines, debris and all other objection material within the project site shall be removed and legally disposed of away from the project site at contractors cost.

B. Disposal – All removed items and resulting debris from the demolition shall become the property of the Contractor and shall be disposed of off the project site at the expense of the Contractor.

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in Site Clearing and Grubbing as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 3 - Demolition

This item shall consist of Demolition and removal of items indicated on the plans in conformance with 13-3 Removing / Relocating of the Standard Specifications and these Special Provisions.

A. Holes and depressions resulting from removed items shall be filled, compacted, and brought to finished grade with landscape fill in conformance with Section 14 of the Standard Specifications and as directed by the Landscape Architect.

B. Disposal – All removed items and resulting debris from the demolition shall become the property of the Contractor and shall be disposed of off the project site at the expense of the Contractor.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in completing the Demolition as shown on the plans, as specified in these Special Provisions, and as directed by the Landscape Architect.

Item No. 4 - Erosion and Sediment Control for Sites 1 Acre and Over

This item shall consist of Erosion and Sediment Control at the locations indicated on the plans in conformance with Sections 13 and16 of the City Standard Specifications and per the State Water Resources Control Board, Order No. 2009-0009-DWQ and these Special Provisions.

A. Storm Water Pollution Prevention Plan (SWPPP) – The City has prepared a SWPPP document per the requirements of this project. The contractor and its employees shall be familiar with the requirements outlined in the SWPPP document. The contractor shall have a have a staff person who is a Qualified SWPPP Practitioner (QSP) on site or have a staff person trained by a QSP on site during construction business hours.

The SWPPP shall reside on the site and or with the construction Forman throughout the duration of construction. The completed SWPPP Manual and Log shall be returned to the City's QSP prior to the final acceptance of the project.

B. BMP Maintenance and Maintenance Log - *The contractor's onsite QSP shall complete a maintenance inspection at a minimum of once a week and the inspection notes and information shall be logged in the SWPPP.* The log shall have the time and date of when the maintenance and inspection was conducted. The City's QSP will also conduct maintenance inspections on a random basis and before, during and after precipitation events. If there is a dispute between the contractors and the City's QSP regarding the BMP maintenance then the City's QSD shall decide what is required. *The completed maintenance log shall be kept in the SWPPP and provided to the Landscape Architect at final acceptance.* Any required changes to the BMP's or erosion and sediment control plan shall be logged by the City's QSP.

More information and details of Best Management Practice the contractor shall refer the SWPPP prepared for this project and the Erosion and Sediment control plan.

C. Housekeeping Practices shall be implemented as follows:

1. Solid Waste Management procedures shall include designated waste collection areas and containers in areas indicated. Arrange for regular removal and disposal from the site of solid waste. On a daily basis, clear site of trash including organic debris, packaging materials, scrap or surplus building materials, as well as domestic waste. Solid Waste Containers shall have a lid/ cover and shall cover it at the end of each work day or when it's windy.

2. Material Delivery and Storage Area shall be designated and provided with a secondary containment method, as with berms. Store material on pallets and provide covering or water tight containers for soluble materials. Locate materials in a lockable storage contain or other secure enclosure to insure items cannot be vandalized or displaced during nonworking hours. Inspect area weekly and 48 hours prior to a storm event. If a spill is discovered the contractor shall first notify the contractor's and the City's QSP immediately and then have the QSP provide direction on how the spill should be cleaned up and if testing will be required.

3. Concrete Waste Area shall be designated and provide for a temporary pit to be used for concrete truck washout. Dispose of hardened concrete offsite. At no time shall a concrete truck dump its waste and clean its truck into the City storm drains via curb and gutter. Inspect daily to control runoff, and weekly for removal of hardened concrete. If the contractor is has a designated area for the concrete washout on site the contractor shall cover and divert rain water from entering into the washout area. The contractor can use a mobile concrete washout or other similar concrete washout system.

4. Paint and Painting Supplies instructions shall be given to employees and subcontractors regarding reduction of pollutants including material storage, use, and clean up. Inspect site weekly for evidence of improper disposal. A second containment system shall be used to minimize pollutants from escaping the washout areas. In addition the contractor shall place plastic or some other non-permeable lining on the ground to minimize contact between the native soil and the pollutants.

5. Vehicle Fueling, Maintenance and Cleaning shall be located in a designated area with a secondary containment, as with berms. In addition the contractor shall place plastic or some other non-permeable lining on the ground to minimize contact between the native soil and the pollutants. Provide equipment with drip pans. Restrict on-site maintenance and cleaning of equipment to a minimum. Inspect area weekly.

6. Hazardous Waste Management instructions shall be given to all employees to prevent the discharge of pollutants from hazardous wastes to the drainage system through proper material use, and waste disposal. Hazardous waste products commonly found on-site include but are not limited to paints & solvents, petroleum products, fertilizers, herbicides & pesticides, soil stabilization products, asphalt products, and concrete curing products. A list of materials expected to be used is listed in the SWPPP. If additional items or items need to be removed the contractor shall notify the City QSP.

7. Dust Control: The Contractor shall comply with all City and County of Sacramento, State of California air pollution control rules, regulations, ordinances, and statues which apply to any work performed pursuant to the contract, including any air pollution control rules, regulations, ordinances, and statutes, specified in the Government Code. The Contractor shall be responsible for the control of dust within the limits of the project at all times including weekends and holidays in addition to normal working days. The Contractor shall take whatever steps are necessary or required by the Landscape Architect to

eliminate the nuisance of blowing dust without causing sediment, debris or litter to enter the City storm drain system.

8. Erosion, Sediment, and Pollution Control The Contractor shall be responsible for controlling erosion and sedimentation within the limits of the project. In addition the contractor shall take measures to eliminate any water with pollutants from entering the project site as 'run-on'. The contractor shall be responsible for erosion and sediment control at all times during (working hours) and during normal working days, excluding evenings, weekends and holidays. The Contractor shall prevent sediment and construction debris from entering the City storm drain system.

9. Non-Storm Water, slurry and sediment from concrete or asphalt saw cutting operations shall not be allowed to enter the City storm drain system, but instead must be collected and disposed of, by the Contractor, in some manner approved by the Landscape Architect.

10. Site Cleanup: The Contractor shall keep the project site clean and free of dust, mud, and debris resulting from the Contractor's operations. Daily clean up throughout the project shall be required as the Contractor progresses with the work. Extra precautions and cleanup efforts shall be made prior to weekends and holidays, and before a predicted rain event.

    Daily all paved areas within the limits and surrounding the project shall be cleaned and free of sediments, asphalt, concrete and any other construction debris. The Contractor will not be allowed to clean sediment and debris from the street by using water to wash down streets. The streets will be allowed to be washed only after the streets have been thoroughly swept and/or vacuumed and inlet protection has been placed at all storm drain inlets to catch any remaining sediments from the streets.

    Spillage of earth, gravel, concrete, asphalt, or other materials resulting from hauling operations along or across any public traveled way shall be removed immediately by the Contractor at his expense. If site is not kept sufficiently clean the City will take measures to clean it and back charge the Contractor.

11. More information and details of Best Management Practice the contractor shall refer the SWPPP prepared for this project and the Erosion and Sediment control plan.

D. Construction site shall be prepared by the Contractor prior to the start of construction and shall be have erosion and sediment control measures in place until the project is complete. Contractor shall ensure to have all erosion and sediment control measures as outlined on the plans and in the SWPPP in place throughout the year.

E. Erosion and sediment control measures shall be installed and maintained before the start of construction begins and until disturbed areas are stabilized. All erosion and sediment control measures shall be checked and maintained by the contractor on a minimum of a weekly basis, before and after and during all storms to ensure measures are functioning properly.

F. Erosion Control Plan may not cover all the situations that arise during construction due to unanticipated field conditions. Changes to the erosion and sediment control plan shall be made to meet field by the City's QSP. The contractor shall make the required changes within 48 hours.

G. Exposed / Disturbed soils that are present, the Contractor shall replant the areas with native compatible, drought-resistant vegetation prior to the end of construction, before shutting a site down for the wet seasons, or areas not actively being constructed within the last 14 calendar days. In addition the contractor shall use wet suppression to dampen the soil to minimize dust on as need basis. The contractor shall provide a price in the bid to:

1. Install Poly-Acrylamide (PAM) and Copolymer of Acrylamide where the paving is scheduled to be installed (price to install two times)
2. Install straw mulch with tackifier, install where planting is scheduled to be installed. (Price to install two times).
3. Installation Copolymers of Sodium Acrylates and Acrylamides installed on slopes between 5:1 to 3:1. (Price to install two times).

The contractor shall provide a square foot price per application (within the Schedule of Unit Pricing) to install these items as described above. *If additional applications are required then the City will prepare a change order to increase the contract amount. If the items are not installed as described above then the City will prepare a deductive change order at the end of the project.*

H. Stabilized Construction Entrance shall be installed by the Contractor prior to the commencement of construction including clearing and grubbing. Location of the entrance may be adjusted by the Contractor to facilitate grading operations. All construction traffic entering the paved road must cross the stabilized construction entrance. The stabilized construction entrance shall remain in place until the road base rock course is completed or when the City QSP authorizes the removal of the stabilized construction entrance. The contractor will be responsible for cleaning the stabilized construction entrance if the QSP finds it requires maintenance. All sediment deposited on paved roadways shall be swept at the end of each working day or as necessary.

I. Fiber Rolls shall be installed per the plans and shall be placed around all new and existing drainage structure openings immediately after the structure opening is constructed. All fiber rolls shall be maintained and remain in place until construction is completed.

Payment shall be made at the lump sum bid price and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in completing the Erosion and Sediment Control as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 5 - Site Staking

This item shall consist of furnishing and installing Site Staking by a licensed Surveyor for site layout, grading, utilities and other elements as shown on the plan.

Contractor shall set stakes for site layout and grading for approval by the Landscape Architect prior to installation.

Payment shall be made at the lump sum price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all work involved in Site Staking as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 6 - Site Grading

This item shall consist of Site Grading the existing surface to the lines and grades for the park development shown on the plans in conformance with sections 14 and 15 of the Standard Specifications, *Geotechnical Report (Refer to Attachments)*, and these Special Provisions.

A. The Contractor shall meet the lines and grades as shown on the grading plan. The site has export soils. Should import or export of soil become necessary to meet the lines and grades as shown on the plans, it shall be at the sole expense of the Contractor. At the discretion of the Landscape Architect may allow the Contractor to make necessary adjustments to balance the earthwork on site at no additional cost to the City. The Contractor shall be solely responsible for earthwork calculations.

B. Layout of Work:
   1. Grade the site to the tolerances shown.
   2. Tolerances: Site grading shall be to the elevations shown on the Drawings, ±0.1 foot vertically in landscaped areas and within ±0.05 for hardscape areas.

C. Relative Compaction for landscaped areas shall be 85%, or as directed by the Landscape Architect.

D. Site Grading shall be approved by the Landscape Architect upon completion of grading operations.

   1. Excavation Grading shall include removal of soil as required to construct concrete walkways and aggregate base, playground, curbing, mow strips, concrete pads, and planted areas. Excavated soil if approved by the Landscape Architect may be reused on site in grading operations, but any excess not used in grading operations shall be removed from the project site at the Contractor's expense.

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the Site Grading as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 7, 8, 9, & 10 – 6", 8", 10" and 12" PVC Drain Pipe

This item shall consist of furnishing and placing PVC Drain Pipe complete with cleanouts as shown on the plans in conformance with Sections 10 and 26 of the Standard Specifications and with these Special Provisions.

A. PVC Drain Pipe and fittings shall conform to ASTM D3034 and shall be SDR 35 with Elastomeric-Gasket joints providing a watertight seal. Minimum pipe stiffness at five percent (5%) deflection shall be 46 PSI according to ASTM D2412.

B. Trench Backfill shall conform to Section 26 of the Standard Specifications.

C. Clean out shall be installed as shown on the plans.

Payment shall be made at the unit price bid per linear foot and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in providing and installing the PVC Drain Pipe at sizes as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 11 – 6" French Drain

This item shall consist of furnishing and placing a 6" French Drain as shown and detailed on the plans in conformance with Sections 10 and 26 of the Standard Specifications and with these Special Provisions.

A. French Drain shall conform to ASTM D3034 and shall be SDR 35 perforated PVC pipe set with holes facing down. Pipe shall be wrapped with Mirafi, or approved equal filter fabric cloth and set within a drain rock filled trench as detailed on the plans. Slope pipe with a minimum 1% slope to discharge drain basin.

B. Trench Backfill shall conform to Section 26 of the Standard Specifications.

Payment shall be made at the lineal foot bid price and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in providing and installing the 6" French Drain as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 12 - Catch Basin

This item shall consist of furnishing and constructing a standard precast Catch Basin complete with concrete collar at the location and at the elevations shown on the plans in conformance with Section 25, 38 and Drawing S 70 of the Standard Specifications and these Special Provisions.

A. Catch Basin may be poured in place or may be precast.

B. Concrete shall be Portland Cement Concrete Type II, Class "D", as specified in Section 10 and concrete work shall be completed in conformance with applicable requirements of Section 20 of the Standard Specifications.

C. Grate and Frame shall be Jensen Model A1024, or approved equal.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in

providing and completing the Catch Basin as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 13 - Play Area Catch Basin

This item shall consist of furnishing and constructing a Play Area Catch Basin complete with grate at the location and elevation as shown on the plans in conformance with the Standard Specifications and these Special Provisions.

A. Concrete shall be Portland Cement Concrete Class "C" or "D", as specified in Section 10-5, and concrete work shall be completed in conformance with applicable requirements of Section 20 of the Standard Specifications.

B. Steel Cover shall be 3/16' diamond plate hot-dipped galvanized after fabrication.

C. Base Rock shall be ¾" minimum to 1-1/2" maximum washed rock with no fines.

D. Pea Gravel shall be ¼" minimum to 2" maximum washed rock with no fines.

E. Geotextile Fabric shall be non woven polypropylene Geotextile fabric 140 N, Mirafo N-series or approved equal.

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in proving and completing the Play Area Catch Basin as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 14 – Water Play Area Deck Drain

This item shall consist of furnishing and constructing the Deck Drain located at the water play area as shown on the plans in conformance with these Special Provisions.

A. Deck Drain shall be Zurn Z505 12" diameter heavy duty drain with polished bronze, square grate and vandal proof secured top, or approved equal. Drain to be installed in colored concrete paving area within water play area per manufacturer's specifications and connected to sewer outlet line as shown on plans.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the Water Play Area Deck Drain as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 15 - Storm Drain Manhole No. 4

This item shall consist of furnishing and constructing Standard Manhole No. 4 (SDMH's) as shown on the plans in conformance with Section 25 and 38 of the Standard Specifications and these Special Provisions.

A. Standard Manhole shall be precast in accordance with Standard Drawing S-110.

B. Concrete shall be Portland Cement Concrete Type II, Class "D", as specified in Section 10, and concrete work shall be completed in conformance with applicable requirements of Section 20 of the Standard Specifications.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the Standard Manhole No. 4 as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 16 – Sewer Manhole No. 3

This item shall consist of furnishing and constructing Sewer Manhole No. 3 (SDMH's) as shown on the plans in conformance with Section 25 and 38 of the Standard Specifications and these Special Provisions.

A. Standard Manhole shall be precast in accordance with Standard Drawing S-70.

B. Concrete shall be Portland Cement Concrete Type II, Class "D", as specified in Section 10, and concrete work shall be completed in conformance with applicable requirements of Section 20 of the Standard Specifications.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the Sewer Manhole No. 3 as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 17 – 2" Sewer Pipe

This item shall consist of furnishing and constructing 2" Sewer Pipe as shown on the plans in conformance with Section 25 and 38 of the Standard Specifications and these Special Provisions.

This item shall consist of furnishing and installing the 2" sewer pipe as shown on the plans and in conformance with Section 10-21 and 26 of the Standard Specifications and these Special Provisions.

A. PVC Sewer Pipe and fittings, with at least eighteen inches (18") of cover to subgrade, shall conform to ASTM D 3034 and ASTM F 679 and shall be SDR 35 pipe with elastomeric gasket joints providing a watertight seal.

B. PVC Sewer Pipe and fittings, with less than eighteen inches (18") of cover to subgrade, shall be class 100 SDR 25 or 26 pipe conforming to AWWA C 900.

C. Trench Backfill shall conform to Drawing T-80 of the Standard Specifications.

D. Clean out shall be installed as shown on the Plans.

Payment shall be at the unit price bid per lineal foot and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the 2" Sewer Pipe as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 18 – 6" Sewer Pipe

This item shall consist of furnishing and constructing 6" Sewer Pipe as shown on the plans in conformance with Section 25 and 38 of the Standard Specifications and these Special Provisions.

A. Contractor shall make connections to the existing on site sanitary sewer stub necessary to connect the new 6" sewer line.

B. PVC Sewer Pipe and fittings, with at least eighteen inches (18") of cover to subgrade, shall conform to ASTM D 3034 and ASTM F 679 and shall be SDR 35 pipe with elastomeric gasket joints providing a watertight seal.

C. PVC Sewer Pipe and fittings, with less than eighteen inches (18") of cover to subgrade, shall be class 100 SDR 25 or 26 pipe conforming to AWWA C 900.

D. Trench Backfill shall conform to Drawing T-80 of the Standard Specifications.

E. Clean out shall be installed as shown on the Plans.

Payment shall be at the unit price bid per lineal foot and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the 6" Sewer Pipe as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 19 – Domestic Water System (Potable Water Line, Tap, Meter and Backflow Preventer)

This item shall consist of furnishing and installing a Potable Water line, water tap, meter and a backflow preventer as shown on the plans, in conformance with Sections 10, 13, 14, 17, 27 and 38 of the Standard Specifications and these Special Provisions.

A. Supply Line shall be PVC pipe under 2-1/2" and under shall be Schedule 40 and pipe 3" and large shall be Class 315, solvent weld and shall be installed in conformance with Section 10, 17, 24 and 38 of the Standard Specifications.

B. Shut-off Valve shall be a gate valve as specified in Section 27-7 and 38 of the Standard Specifications.

C. Water Tap and Meter shall be as specified in Section 27 of the Standard Specifications and to be installed by the City Water Division. Size of water tap is shown on the plans. Meter shall be the same size as the water tap. The Contractor shall contact the Customer Service Office, located at 1391 35th Avenue, or by calling (916) 264-5371, for current fee information. Contractor is responsible for paying water tap and meter fees, and should allow 60 days for installation of water tap by the City after payment.

D. Backflow Prevention Assembly shall conform to Section 10-49 and the appropriate Standard Drawing W-606 or W-607 of Section 38 of the Standard Specifications.

The lowest point of the Backflow Prevention Assembly shall be placed with a 12" minimum clearance and 15" maximum clearance from finished grade. After installation, the backflow prevention assembly must be tested for proper operation by a certified backflow device tester prior to use. All backflow prevention devices and risers shall be painted Hunter Green or approved equal.

E. Concrete Pad shall be installed as shown on the plans in conformance with sections 10, 19, and 24 of the Standard Specifications and with these Specials Provision.

F. New & Existing Backflow Preventers shall be enclosed with an insulated backflow preventer cage, Placer Waterworks Model #PW/E1 A-S or approved equal. Available through Placer Waterworks (916) 773-2959, FAX (916) 773-2958.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in completing the Potable Water Line, Tap, Meter and Backflow Preventer as shown on plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 20 – Site Electrical System

This item shall consist of furnishing, installing and testing the Electrical Systems, as shown on the plans in conformance with section 34 and 38 of the Standard Specifications and these Special Provisions.

A. Concrete Pads shall be installed as shown on the plans in conformance with sections 10, 19, and 24 of the Standard Specifications and with these Specials Provision.

B. Electrical Incidental Parts which are not shown on the plans or specified herein and which are necessary to complete the park electrical shall be furnished and installed as through such parts were shown on the plans or specified herein.

C. Electronic Marker System shall conform to Section 10-54 of the Standard Specifications, except as amended by the following: no marker locators will be required by the Contractor. Contractor shall supply only enough markers for use in new electrical system. The markers shall be placed within the pull box cover of buried lawn area pull boxes. The marker shall be 3M EMS 4" Extended Range 5' Ball Marker – Power 1402-XR.

D. Metered Service Pedestal shall conform to metered service pedestal per the Standard Specifications detail E-20 and as shown on the plans. All metered service pedestal shall be constructed of stainless steel, galvanized steel with powder coated finish pedestals are not acceptable.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved completing the Site Electrical System as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 21 - Aggregate Base

This item shall consist of furnishing and installing aggregate base (AB) under concrete flatwork and asphaltic concrete as shown on the plans in conformance with Section 10, and 17 of the Standard Specifications, *Geotechnical Report (Refer to Attachments),* and these Special Provisions.

A. Aggregate Base shall be Class II, per Section 26 of the State Standard Specifications.

B. Recycled Aggregate Base will be allowed and must conform to the requirements of Section 26 of the State Specifications, and tested prior to arrival at the site to verify that it meets the requirements of Class II Aggregate base.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in providing and completing the Aggregate Base (AB) as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 22 - Concrete Flatwork

This item shall consist of furnishing and constructing Concrete Flatwork as shown on the plans in conformance with Sections 10, 19, 24, and 38 of the Standard Specifications, *Geotechnical Report (Refer to Attachments),* and as amended by these Special Provisions.

A. Portland Cement Concrete shall be Type II, Class "C", conforming to Section 10-5 of the Standard Specifications.

B. Fibermesh shall be 100% virgin homopolymer polypropylene multifilament fibers containing no reprocessed olefin materials, ASTM C1116, Type 4.1.3., specifically engineered and manufactured for use as a concrete reinforcement at the application rate of one lbs. per one cubic yard.

C. Expansion & Score Joints shall conform to Section 24-6 of the Standard Specifications with the exception of the following. Expansion joints and score joints shall be located where indicated on the plans and edged to a three-eighths inch (3/8") radius. Score joints shall be one inch (1") deep.

D. Finish shall conform to Section 24-7 of the Standard Specifications with the following exception: the concrete shall be broomed perpendicular to the sidewalk edge with a medium finish.

E. Test Panel shall be *required* and poured prior to placement of concrete flatwork. The contractor shall construct a test panel of 3' X 3' X 3-1/2" thick minimum dimensions. The Contractor shall notify the Landscape Architect and Landscape Architect forty-eight (48) hours prior to test pour. If the test is found to be unsatisfactory by the City, additional test panels shall be constructed and finished until the correct finish is achieved. Workmen and equipment used in the construction of the test panel shall be the same as those used throughout the installation of concrete.

F. Reinforcement shall be intermediate grade and deformed in conformance with "deformed billet-steel bars for concrete reinforcement" (ASTM Designation A615) and with Section 21 of the Standard Specifications. Rebar shall be as shown on the plans.

G. Aggregate Base (AB) under concrete flatwork shall be installed as shown on the plans and per the requirement of the ***Geotechnical Report*** and be in conformance with Section 10 and 17 of the Standard Specifications and these Special Provisions ***(Refer to Item No. 21 - Aggregate Base).***

H. Subgrade shall conform to Sections 19 and 14-7 of the Standard Specifications and to the *"Subgrade Preparation" of the Geotechnical Report (Refer to Attachments).*

I. Dowel Reinforcement shall be done where new paving meets existing paving as shown on the plans. This item shall conform to Standard Specifications Sections 24-11, 10-23 and 21.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in completing the Concrete Flatwork as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 23 - Concrete Flatwork for Vehicular Access (Vehicle Concrete Path Paving & Vehicle Concrete Plaza Paving)

This item shall consist of furnishing and constructing a Concrete Flatwork for Vehicular Access as shown on the plans in conformity with Sections 10, 13, 19, 24 and 38, detail T-21 or T-22 of the Standard Specifications, *Geotechnical Report (Refer to Attachments),* and as amended by these Special Provisions and the manufacturers specifications.

A. Portland Cement Concrete shall be Type II, Class "C", conforming to Section 10-5 of the Standard Specifications.

B. Fibermesh shall be 100% virgin homopolymer polypropylene multifilament fibers containing no reprocessed olefin materials, ASTM C1116, Type 4.1.3., specifically engineered and manufactured for use as a concrete reinforcement at the application rate of one lbs. per one cubic yard.

C. Expansion & Score Joints shall conform to Section 24-6 of the Standard Specifications with the exception of the following. Expansion joints and score joints shall be located

where indicated on the plans and edged to a three-eighths inch (3/8") radius. Score joints shall be one inch (1") deep.

J. Finish shall conform to Section 24-7 of the Standard Specifications with the following exception: the concrete shall be broomed perpendicular to the sidewalk edge with a medium finish.

K. Test Panel shall be *required* and poured prior to placement of concrete flatwork. The contractor shall construct a test panel of 3' X 3' X 3-1/2" thick minimum dimensions. The Contractor shall notify the Landscape Architect and Landscape Architect forty-eight (48) hours prior to test pour. If the test is found to be unsatisfactory by the City, additional test panels shall be constructed and finished until the correct finish is achieved. Workmen and equipment used in the construction of the test panel shall be the same as those used throughout the installation of concrete.

L. Reinforcement shall be intermediate grade and deformed in conformance with "deformed billet-steel bars for concrete reinforcement" (ASTM Designation A615) and with Section 21 of the Standard Specifications. Rebar shall be as shown on the plans.

M. Aggregate Base (AB) under concrete flatwork for vehicular access shall be installed with an increased depth as shown on the plans and per the requirement of the geotechnical report and be in conformance with Section 10 and 17 of the Standard Specifications and these Special Provisions ***(Refer to Item No. 21 - Aggregate Base).***

N. Subgrade shall conform to Sections 19 and 14-7 of the Standard Specifications and to the *"Subgrade Preparation" of the Geotechnical Report (Refer to Attachments).*

O. Dowel Reinforcement shall be done where new paving meets existing paving as shown on the plans. This item shall conform to Standard Specifications Sections 24-11, 10-23 and 21.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and doing all work involved in completing the Concrete Flatwork for Vehicular Access as shown on the Plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 24 - Colored Concrete Flatwork

This item shall consist of furnishing materials and constructing Colored Concrete Flatwork as shown on the plans in conformity with Sections 10, 19, 24, and 38 of the Standard Specifications, *Geotechnical Report (Refer to Attachments),* and as amended by these Special Provisions and the manufacturer's specifications.

A. Portland Cement Concrete shall be Type II, Class "C", conforming to Section 10-5 of the Standard Specifications.

B. Flatwork Colored Concrete: Davis Colors manufactured by Davis Colors; phone 213-269-7311. Pigments shall contain pure, concentrated mineral pigments especially processed for mixing into concrete and complying with ASTM C979. If pigments are to be added to mix at the project site, furnish pigments in pre-measured Mix-Ready

disintegrating bags.

C. Flatwork Color: Color shall be as shown on the plans by Davis Colors or approved equal. Submit sample chip of specified color indicating pigment number and required dosage rate. Pigment as necessary to match color sample in Davis Colors Concrete Color Selector chart. Mix in accordance with manufacturer's instructions. Mix until pigments are uniformly dispersed throughout mixture.

D. Fibermesh shall be 100% virgin homopolymer polypropylene multifilament fibers containing no reprocessed olefin materials, ASTM C1116, Type 4.1.3., specifically engineered and manufactured for use as a concrete reinforcement at the application rate of one lbs. per one cubic yard.

E. Curing Compound for Colored Concrete: Provide W-1000 Clear Cure & Seal manufactured by Davis Colors or approved equal. Apply curing compound for colored concrete in accordance with manufacturer's instructions.

F. Water-based Sealant shall be Okon, or approved equal, and applied to all Stamped Concrete surfaces in accordance with the manufacturer's specifications.

G. Expansion & Score Joints shall conform to Section 24-6 of the Standard Specifications with the exception of the following. Expansion joints and score joints shall be located where indicated on the plans and edged to a three-eighths inch (3/8") radius. Score joints shall be one inch (1") deep.

H. Finish shall conform to Section 24-7 of the Standard Specifications with the following exception: the concrete shall be broomed perpendicular to the sidewalk edge with a medium finish.

P. Test Panel shall be *required* and poured prior to placement of concrete flatwork. The contractor shall construct a test panel of 3' X 3' X 3-1/2" thick minimum dimensions. The Contractor shall notify the Landscape Architect and Landscape Architect forty-eight (48) hours prior to test pour. If the test is found to be unsatisfactory by the City, additional test panels shall be constructed and finished until the correct finish is achieved. The concrete sealer shall be applied to one half of test panel. Workmen and equipment used in the construction of the test panel shall be the same as those used throughout the installation of concrete.

Q. Subgrade shall conform to Sections 19 and 14-7 of the Standard Specifications and to the *"Subgrade Preparation" of the Geotechnical Report (Refer to Attachments).*

R. Dowel Reinforcement shall be done where new paving meets existing paving as shown on the plans. This item shall conform to Standard Specifications Section 24-11, 10-23 and 21.

S. Reinforcement shall be as shown on the plans and conform to Sections 10-23 and 21 of the Standard Specifications.

T. Aggregate Base (AB) under concrete flatwork as shown on the plans and per the requirement of the geotechnical report and be in conformance with Section 10 and 17 of the Standard Specifications and these Special Provisions ***(Refer to Item No. 21 -***

Aggregate Base).

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the Colored Concrete Flatwork as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 25 - 9" Concrete Mow Strip

This item shall consist of constructing a 9" Concrete Mow Strip as shown on the plans in conformance with Section 10, 19, and 24 of the Standard Specifications and these Special Provisions.

A. Portland Cement Concrete shall be Type II, Class "C", conforming to Section 10-5 of the Standard Specifications.

B. Reinforcement shall conform to Section 21 of the Standard Specifications and as shown on the plans.

C. Subgrade shall conform to Sections 19 and 14-7 of the Standard Specifications and to the *"Subgrade Preparation" of the Geotechnical Report (Refer to Attachments).*

D. Finish shall be broomed parallel to the mow strip edge with a medium broom finish. All exposed surfaces shall be finished to true lines and grades as shown on the plans.

E. Expansion Joints and Score lines shall conform to Section 24-6 of the Standard Specifications with the exception of the following. Expansion joints shall be place at 20' O.C., and score lines at 10' O.C.

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the 9" Concrete Mow Strip as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 26 - Concrete Mow Strip at Ballfield Fencing

This item shall consist of constructing a Concrete Mow Strip at Ballfield Fencing as shown on the plans in conformance with Section 10, 19, and 24 of the Standard Specifications and these Special Provisions.

A. Portland Cement Concrete shall be Type II, Class "C", conforming to Section 10-5 of the Standard Specifications.

B. Reinforcement shall conform to Section 21 of the Standard Specifications and as shown on the plans.

C. Subgrade shall conform to Sections 19 and 14-7 of the Standard Specifications and to the *"Subgrade Preparation" of the Geotechnical Report (Refer to Attachments).*

D. Finish shall be broomed parallel to the mow strip edge with a medium broom finish. All

exposed surfaces shall be finished to true lines and grades as shown on the plans.

E. Expansion Joints and Score lines shall conform to Section 24-6 of the Standard Specifications with the exception of the following. Expansion joints shall be place at 20' O.C., and score lines at 10' O.C.

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the Concrete Mow Strip at Ballfield Fencing as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 27 - 6" Play Area Curb

This item shall consist of constructing 6" Play Area Curb as shown on the plans in conformance with Sections 10, 19, and 24 of the Standard Specifications and these Special Provisions.

A. Portland Cement Concrete shall be Type II, Class "C", conforming to Section 10-5 of the Standard Specifications.

B. Subgrade shall conform to Sections 19 and 14-7 of the Standard Specifications and to the *"Subgrade Preparation" of the Geotechnical Report (Refer to Attachments).*

C. Finish shall be broomed parallel to the mow strip edge with a medium broom finish. All exposed surfaces shall be finished to true lines and grades as shown on the plans.

D. Fibermesh shall be 100% virgin homopolymer polypropylene multifilament fibers containing no reprocessed olefin materials, ASTM C1116, Type 4.1.3., specifically engineered and manufactured for use as a concrete reinforcement at the application rate of one lbs. per one cubic yard.

E. Expansion Joints and Score lines shall conform to Section 24-6 of the Standard Specifications with the exception of the following. Expansion joints and score lines shall be placed to align with expansion joints and score lines in adjacent concrete flatwork.

F. Curb shall be poured monolithically with adjacent concrete flatwork with no score joint.

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the 6" Play Area Curb as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 28 – Play Area Access Ramp

This item shall consist of constructing a Play Area Access Ramp as shown on the plans, in conformance with Sections 10, 19, 24 and 38 of the Standard Specifications, *Geotechnical Report (Refer to Attachments)*, and as amended by these Special Provisions.

A. Portland Cement Concrete shall be Type II, Class "C", conforming to Section 10-5 of the Standard Specifications.

B. Fibermesh shall be 100% virgin homopolymer polypropylene multifilament fibers containing no reprocessed olefin materials, ASTM C1116, Type 4.1.3., specifically engineered and manufactured for use as a concrete reinforcement at the application rate of one lbs. per one cubic yard.

C. Grooves shall be as shown in Section 38, detail T-60 of the Standard Specifications.

D. Subgrade shall conform to Sections 19 and 14-7 of the Standard Specifications and to the *"Subgrade Preparation" of the Geotechnical Report (Refer to Attachments).*

E. Finish shall be broomed parallel to the mow strip edge with a medium broom finish. All exposed surfaces shall be finished to true lines and grades as shown on the plans.

F. Fibermesh shall be 100% virgin homopolymer polypropylene multifilament fibers containing no reprocessed olefin materials, ASTM C1116, Type 4.1.3., specifically engineered and manufactured for use as a concrete reinforcement at the application rate of one lbs. per one cubic yard.

G. Expansion & Score Joints shall conform to Section 24-6 of the Standard Specifications with the exception of the following. Expansion joints and score joints shall be located where indicated on the plans and edged to a three-eighths inch (3/8") radius. Score joints shall be one inch (1") deep.

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the Play Area Access Ramp as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 29 - Concrete Driveway Access

This item shall consist of furnishing and constructing a Concrete Driveway Access as shown on the plans in conformity with Sections 10, 13, 19, 24 and 38, detail T-21 or T-22 of the Standard Specifications, *Geotechnical Report (Refer to Attachments),* and as amended by these Special Provisions and the manufacturers specifications.

A. Demolition of existing sidewalk, pavement, curb and gutter shall conform to Section 13-3 and 24-14 of the Standard Specifications. Asphalt road shall be repaired per City Specifications. The Contractor shall remove all resulting debris from the project site.

B. Portland Cement Concrete shall be Type II, Class "C", conforming to Section 10-5 of the Standard Specifications.

C. Fibermesh shall be 100% virgin homopolymer polypropylene multifilament fibers containing no reprocessed olefin materials, ASTM C1116, Type 4.1.3., specifically engineered and manufactured for use as a concrete reinforcement at the application rate of one lbs. per one cubic yard.

D. Expansion & Score Joints shall conform to Section 24-6 of the Standard Specifications, with the following exception: expansion joints and score joints shall be located where indicated on the plans.

E. Grooves shall be as shown in Section 38, detail T-60 of the Standard Specifications.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and doing all work involved in completing the Concrete Driveway Access as shown on the Plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 30 - Concrete Seatwall

This item shall consist of furnishing and installing a Concrete Seatwall as shown on the Plans in conformance with these Special Provisions.

A. Portland Cement Concrete shall be Type II, Class "C", conforming to Section 10-5 of the Standard Specifications.

B. Subgrade shall have a relative compaction of 90%.

C. Reinforcement shall be intermediate grade and deformed in conformance with "deformed billet-steel bars for concrete reinforcement" (ASTM Designation A615) and with Section 21 of the Standard Specifications. Rebar shall be as shown on the plans

D. Skatestopper skate deterrents shall be installed on wall edges as shown on Plans. Refer to Plans for model.

Payment shall be made at the lump sum price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals, and for doing all work involved in completing Concrete Seatwall as shown on the Plans, as specified in the Special Provisions and as directed by the Landscape Architect.

Item No. 31 – Concrete Round Pilaster

This item shall consist of furnishing and installing a Concrete Round Pilaster as shown on the Plans in conformance with these Special Provisions.

A. Portland Cement Concrete shall be Type II, Class "C", conforming to Section 10-5 of the Standard Specifications.

B. Subgrade shall have a relative compaction of 90%.

C. Reinforcement shall be intermediate grade and deformed in conformance with "deformed billet-steel bars for concrete reinforcement" (ASTM Designation A615) and with Section 21 of the Standard Specifications. Rebar shall be as shown on the plans.

Payment shall be made at the lump sum price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals, and for doing all work involved in

completing Concrete Round Pilaster as shown on the Plans, as specified in the Special Provisions and as directed by the Landscape Architect.

Item No. 32 - Concrete Step

This item shall consist of furnishing and constructing Concrete Step as shown on the Plans in conformance with Sections 10, 19, 24, and 38 of the Standard Specifications, ***Geotechnical Report (Refer to Attachments),*** and as amended by these Special Provisions.

A. Portland Cement Concrete shall be Type II, Class "C", conforming to Section 10-5 of the Standard Specifications.

B. Fibermesh shall be 100% virgin homopolymer polypropylene multifilament fibers containing no reprocessed olefin materials, ASTM C1116, Type 4.1.3., specifically engineered and manufactured for use as a concrete reinforcement at the application rate of one lbs. per one cubic yard.

C. Expansion & Score Joints shall conform to Section 24-6 of the Standard Specifications with the exception of the following. Expansion joints and score joints shall be located where indicated on the plans and edged to a three-eighths inch (3/8") radius. Score joints shall be one inch (1") deep.

D. Finish shall conform to Section 24-7 of the Standard Specifications with the following exception: All exposed surfaces shall be finished to true lines and grades as shown on the plans. The surface shall be floated to a smooth but not slippery finish. Sidewalk surface shall be edged to a 3/8" radius and broomed perpendicular to the sidewalk edge with a medium finish. Do not dampen brooms. Protect adjacent finished surfaces from splatters. - Do not add water to concrete at job site, fog or spray surface with water, or put onto tools or brooms.

E. Test Panel shall be ***required*** and poured prior to placement of concrete flatwork. The contractor shall construct a test panel of 3' X 3' X 3-1/2" thick minimum dimensions. The Contractor shall notify the Landscape Architect and Landscape Architect forty-eight (48) hours prior to test pour. If the test is found to be unsatisfactory by the City, additional test panels shall be constructed and finished until the correct finish is achieved. Workmen and equipment used in the construction of the test panel shall be the same as those used throughout the installation of concrete.

F. Reinforcement shall be intermediate grade and deformed in conformance with "deformed billet-steel bars for concrete reinforcement" (ASTM Designation A615) and with Section 21 of the Standard Specifications. Rebar shall be as shown on the plans.

G. Aggregate Base (AB) under concrete flatwork shall be installed as shown on the plans and per the requirement of the ***Geotechnical Report*** and be in conformance with Section 10 and 17 of the Standard Specifications and these Special Provisions ***(Refer to Item No. 21 - Aggregate Base).***

H. Subgrade shall conform to Sections 19 and 14-7 of the Standard Specifications and to the ***"Subgrade Preparation" of the Geotechnical Report (Refer to Attachments).***

I. Dowel Reinforcement shall be done where new paving meets existing paving as shown on the plans. This item shall conform to Standard Specifications Sections 24-11, 10-23 and 21.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in completing the Concrete Step as shown on the Plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 33 – Concrete Planter Curb

This item shall consist of constructing a Concrete Planter Curb as shown on the plans in conformance with Section 10, 19, and 24 of the Standard Specifications and these Special Provisions.

A. Portland Cement Concrete shall be Type II, Class "C", conforming to Section 10-5 of the Standard Specifications.

B. Reinforcement shall conform to Section 21 of the Standard Specifications and as shown on the plans.

C. Subgrade shall conform to Sections 19 and 14-7 of the Standard Specifications and to the *"Subgrade Preparation" of the Geotechnical Report (Refer to Attachments).*

D. Finish shall be broomed parallel to the mow strip edge with a medium broom finish. All exposed surfaces shall be finished to true lines and grades as shown on the plans.

E. Expansion Joints and Score lines shall conform to Section 24-6 of the Standard Specifications with the exception of the following. Expansion joints shall be place at 20' O.C., and score lines at 10' O.C.

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the Concrete Planter Curb as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 34 – Shade Structure at Central Gathering Area

This item shall consist of furnishing and installing Shade Structure at Central Gathering Area as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Shade Shelter shall be as indicated on Plans or approved equal, with multi-rib, two tiered metal panel roof, decorative ornamentation and steel columns.

B. Concrete Footings shall be installed as specified by the manufacturer and shall be Type II Class "D" Portland Cement Concrete, conforming to Paragraph 10-5 of the Standard Specifications.

C. Submittal for prefabricated group structure shall include all shop and field welds indicated by AWS Welding Symbols. Indicate size, length and type of each weld.

D. All Fasteners shall be as supplied and specified by the manufacturer and hidden at all connections.

E. Install per manufacturer's specifications and approved shop drawings. Provide special inspection for items required per Uniform Building Code, latest edition, and City Building Department.

F. All structural members shall be powder-coated.

G. In the event that the concrete curbing or flatwork is damaged during the installation of the shade shelter, the contractor shall replace the concrete to its original condition at no additional expense to the City.

H. *The City has submitted the structural engineering drawings and calculations for the structure noted on the plans to the Building Department for permit issuance (refer to Attachments). Should the contractor elect to propose a substitution, it is his or her responsibility to submit structural drawings and calculations to the Building Department for approval at no additional cost to the City. No contract time extension will be given to accommodate a substitution.*

I. *The contractor shall contact the Building Department directly for all required inspections. The contractor is responsible for coordinating and obtaining all required signatures including the final inspection signature to finalize the Building Department permit. The Contractor shall provide the Landscape Architect with the finalized Building Department permit at final acceptance.*

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing Shade Structure at Central Gathering Area as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 35 – Fabric Shade Canopy at Play Area

This item shall consist of furnishing and installing Fabric Shade Canopy @ Play Area as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Hip Roof Rectangle shall be as indicated on Plans or approved equal, 4 powder coated steel post standard structure with hip shaped fabric roof attached to posts with adjustable turnbuckle cable system.

(1) Ea. – 21' x 30' size canopy
(2) Ea. – 28' x 34' size canopy

B. Concrete Footings shall be installed as specified by the manufacturer and shall be Type II Class "D" Portland Cement Concrete, conforming to Paragraph 10-5 of the Standard Specifications.

C. Dimensions: post center to post center as shown on plans. Height of canopy shall be 20'-0" at the roof eave. Slope of roof shall be per plans.

D. All Beams shall be structural steel tube sized according to the manufacturer's structural engineering plans, color shall be Surrey Beige.

E. Steel Columns shall be structural steel tube sized according to the manufacturer's structural engineering plans, color shall be Surrey Beige.

F. Fabric shall be a durable synthetic fire retardant fabric designed per City of Sacramento guidelines for use in tension shade products. Fabric shall provide a minimum of 95% UV protection. Color shall be Turquoise.

J. All Fasteners shall be as supplied and specified by the manufacturer and hidden at all connections.

K. Submittal for prefabricated group structure shall include all shop and field welds indicated by AWS Welding Symbols. Indicate size, length and type of each weld.

L. Install per manufacturer's specifications and approved shop drawings. Provide special inspection for items required per Uniform Building Code, latest edition, and City Building Department.

G. All structural members shall be powder-coated.

H. Column locations shall be staked on site prior to ordering in order to verify that column locations will not interfere with the play equipment fall zones. The Contractor shall provide documentation from a NPSI Landscape Architect that the proposed column locations will not interfere with the fall zones. In the event that the dimensions shown on the plan result in an interference with the fall zone, the Contractor shall bring this to the attention of the Owner's Representative and Landscape Architect. Upon completion of the installation, the NPSI Landscape Architect shall provide documentation stating that the shade canopy does not interfere with the play equipment fall zones.

I. In the event that the concrete curbing or flatwork is damaged during the installation of the shade shelter, the contractor shall replace the concrete to its original condition at no additional expense to the City.

J. *The City has submitted the structural engineering drawings and calculations for the structure noted on the plans to the Building Department for permit issuance (refer to Attachments). Should the contractor elect to propose a substitution, it is his or her responsibility to submit structural drawings and calculations to the Building Department for approval at no additional cost to the City. No contract time extension will be given to accommodate a substitution.*

K. *The contractor shall contact the Building Department directly for all required inspections. The contractor is responsible for coordinating and obtaining all required signatures including the final inspection signature to finalize the Building Department permit. The Contractor shall provide the Landscape Architect with the finalized Building Department permit at final acceptance.*

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in

completing Fabric Shade Canopy at Play Area as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 36 - 3' High Tubular Steel Fence at Play Area

This item shall consist of furnishing and installing a 3' High Tubular Steel Fence at Play Area as shown on the plan and the details in conformance with these Special Provisions.

A. Tubular Steel Fence – All steel tubing shall be A.S.T.M. A-513. Structural tubing shall be A.S.T.M. A-500 gr. B. Flats, bars, shapes, A.S.T.M. A-36. All welds full penetrating and continuous. All surface welds ground smooth.

B. Posts – Line, corner and gateposts shall be 2 1/2" square posts. For post footing see Plans.

C. Horizontal Rails shall be 1-1/2" square 12 gauge tube steel.

D. Vertical Pickets shall be 3/4" tube steel spaced @ 3 1/2" on center.

E. Finish – Furnish all primer, paint, and other finishes as shown and specified.
After fabrication, all materials to be power-washed in a phosphoric acid solution, dried, and receive two coat shop primer and two coats gloss black enamel, equal to Rustoleum.

1. The paint manufacturer Standard Specification will be considered as the minimum standard for the work.
2. Provide sample finishes on the actual surface to be painted. Approved samples will become standard.
3. Submit a complete list of all materials proposed for use.
4. All materials shall be "first line" or best quality as manufactured by Kelly-Moore, Sherwin-Williams, Fuller-O'Brian, or approved equal.
5. Painting and Finishing schedule. Shall be as shown on the plans.
6. Apply all finishes in strict accordance with manufacturers' recommendations.
7. Painter shall repair any scratches, chips, etc that occur during construction.

F. Concrete Footings installed as shown on the Plans and shall be Class "C" or "D" Portland Cement Concrete, conforming to Paragraph 10-5 of the Standard Specifications.

Payment shall be made at the lump sum price bid and shall include all labor, tools, materials, equipment, and incidentals as necessary to complete 3' High Tubular Steel Fence at Play Area as shown on the plan and as specified in these Special Provisions and directed by the Landscape Architect.

Item No. 37 – Tubular Steel Fence and Gates at Community Garden

This item shall consist of furnishing and installing a 6' High Tubular Steel Fence and Gates at Community Garden as shown on the plan and the details in conformance with these Special Provisions.

A. Tubular Steel Fence – All steel tubing shall be A.S.T.M. A-513. Structural tubing shall be A.S.T.M. A-500 gr. B. Flats, bars, shapes, A.S.T.M. A-36. All welds full penetrating and continuous. All surface welds ground smooth.

B. Posts – Line, corner and gateposts shall be 2 1/2" square posts. For post footing see Plans.

C. Horizontal Rails shall be 1-1/2" square 12 gauge tube steel.

D. Vertical Pickets shall be 3/4" tube steel spaced @ 3 1/2" on center.

F. Gate Sizes shall be 10'-0" clear across for double gate with 4'-9" wide per gate. 4'-0" clear for single pedestrian gate.

G. Gate Frame to be 1 ½" square 12 gauge tubular steel.

H. Gate Latch shall be as shown on details.

I. Gate Hinge shall be heavy duty, commercial grade ball bearing and self-closing, spring loaded hinge structurally capable of supporting gate leaf and allow opening and closing without binding by Builder Fence Company, Inc. model number 83391 or approved equal.

J. Self Closing Gate Closure shall be heavy duty outdoor hydraulic gate closure. The Contractor shall submit a cut sheet with the product information / specification for approval by the Landscape Architect.

K. Perforated Metal – Perforated metal shall be item no. **85006** by Builders Fence Company or approved equal, large hole (3/32"), 5/32" staggered centers, 24 gauge thickness, and welded to fence as shown on the plan.

Distributed by: American Building Supply, (916) 717-6397, FAX (916) 484-3454

L. Finish – Furnish all primer, paint, and other finishes as shown and specified.
After fabrication, all materials to be power-washed in a phosphoric acid solution, dried, and receive two coat shop primer and two coats gloss black enamel, equal to Rustoleum.

1. The paint manufacturer Standard Specification will be considered as the minimum standard for the work.
2. Provide sample finishes on the actual surface to be painted. Approved samples will become standard.
3. Submit a complete list of all materials proposed for use.
4. All materials shall be "first line" or best quality as manufactured by Kelly-Moore, Sherwin-Williams, Fuller-O'Brian, or approved equal.
5. Painting and Finishing schedule. Shall be as shown on the plans.
6. Apply all finishes in strict accordance with manufacturers' recommendations.
7. Painter shall repair any scratches, chips, etc that occur during construction.

M. Knox Box: shall be provided by the City of Sacramento.

N. Key Pad Lock and Touchbar Hardware – shall be per plans and shall be installed per the manufacturer's specifications. The contractor shall submit all manuals and keys supplied by the vendor for the new device to the City. The Contractor shall submit a cut sheet with the product information / specification for the following items for approval for the Landscape Architect.

1. Touchbar Hardware: Touchbar Crash Bar shall be XP 98/99, Rim Exit Device manufactured by Von Duprin or approved equal. Contractor shall provide and install as per manufacturer's specifications.

   Distributed by Kaba Ilco Corp, 1-800-849-8324

2. Keypad Lock: Entry Push Key Lock shall be Simplex LP 1000 992L-BE or approved equal. Contractor shall provide and install as per manufacturer's specifications. Contractor shall program the gate to be locked at all times and to be entered with the following code **"4321"**.

   Distributed by Kaba Ilco Corp, 1-800-849-8324

O. Concrete Footings installed as shown on the plans and shall be Class "C" or "D" Portland Cement Concrete, conforming to Paragraph 10-5 of the Standard Specifications. Concrete footings shall be 2'-6" deep by 12" in diameter.

P. Submit shop drawings for review and approval prior to ordering materials. Shop drawings shall show dimensions, sizes, thickness, gauges, finishes, joining, attachments, and relationship of work to adjoining construction.

Q. Concrete Footings installed as shown on the Plans and shall be Class "C" or "D" Portland Cement Concrete, conforming to Paragraph 10-5 of the Standard Specifications.

Payment shall be made at the lump sum price bid and shall include all labor, tools, materials, equipment, and incidentals as necessary to complete 6' High Tubular Steel Fence and Gates at Community Garden as shown on the plan and as specified in these Special Provisions and directed by the Landscape Architect.

Item No. 38 – Community Garden

This item shall consist of furnishing all labor, materials, equipment and perform all operations necessary for the completion of the Community Garden as shown on the Plans. Work includes all excavation, footings, materials, planting, accessories, hardware, piping and accessories in accordance with the drawings, specifications, these Special Provisions and the manufacturer's specifications.

A. Product Submittals: Contractor shall submit 6 copies of related accessories for approval before beginning work. Submit manufacturer's product data for garden features and components.

B. Deliver materials and accessories to job site in an undamaged condition. Inspect all items for unacceptable deliver conditions. Return damaged or non-conforming items to manufacturer for replacement. The contractor will be responsible for receiving and storing materials and accessories until installed.

C. Keystone Planters: Keystone wall shall be installed as shown on the plans and per the manufacturer's specifications. Install PVC weep holes in wall as shown on the plans and details.

D. Compost Bin shall be as shown on the plans.

E. Storage Shed shall be a by Tuff Shed, model: Premier Pro Series, Pro Ranch, Size 10'x10' or approved equal, painted shed, with options organization package, turbine vent, ridge vent, radiant barrier roof decking, 30 year shingle upgrade and screen vents. Siding Paint color: Meadowlark, Trim color: English Pinewood, Shingle color: Driftwood

Shed shall be installed directly onto a concrete pad with J-bolts as shown on the plan and detail. Concrete shall be paid for under "Concrete Flatwork", of these Special Provisions. Bolt pattern shall be provided by Tuff Shed. No 2"x6" galvanized steel floor joist system required. J-bolts shall be installed as specified by the manufacturer and shall be provided by the contractor.

1) Heavy-Duty 3/4" Tongue & Groove Plywood Flooring

2) Large Three (3) FT Wide Steel Reinforced Door

3) Patented Keyed Locking Handle

4) Premium Siding with a 50-Year Limited Warranty

5) 1"x4" Pre-Primed Forestrim® Trim Boards

6) Owens Corning® PRO 30 Shingles with a 30-Year Limited Warranty

7) 15# Roofing Felt Paper

8) Radiant Barrier Roof Decking (5/8")

9) Extremely Strong 2"x4" Rafters Joined with Steel Plates

10) Double Top Plates on All Walls

11) Baked Enamel Steel Drip Edge

12) 16" On-Center Framing with 3 Studs in Every Corner for Extra Strength

Warranty - TUFF SHED, Inc. warrants to the original purchaser, that the TUFF SHED® Premier Pro Series™ storage building is free of defects in material and workmanship upon delivery, and will repair or replace any components that do not provide reasonable service under normal use, for a period of ten (10) years from the date of purchase. Correction by repair or replacement of materials or workmanship in your TUFF SHED®

Premier Pro Series™ product, which our examination shall disclose to our satisfaction to be defective, shall constitute fulfillment of all liabilities of TUFF SHED, Inc. under this warranty.

The City has submitted the structural engineering drawings and calculations for the structure noted on the plans to the Building Department for permit issuance (refer to Attachments). Should the contractor elect to propose a substitution, it is his or her responsibility to submit structural drawings and calculations to the Building Department for approval at no additional cost to the City. No contract time extension will be given to accommodate a substitution.

The contractor shall contact the Building Department directly for all required inspections. The contractor is responsible for coordinating and obtaining all required signatures including the final inspection signature to finalize the Building Department permit. The Contractor shall provide the Landscape Architect with the finalized Building Department permit at final acceptance.

F. Metal Community Garden Entry Sign shall be as shown on the plans and details. Sign shall be powder coated black.

G. Bulletin Board shall be 40" L x 7.5" W x 30" H, single-sided, wall mount, without posts model #KMC2010 by Barco Products or approved equal. Color shall be Evergreen.

Distributed by: Barco Products (800) 338-2697, fax (630) 879-8687,

email: www.barcoproducts.com

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the Community Garden as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 39 – Stabilized Decomposed Granite Paving

This item shall consist of furnishing and placing Stabilized Decomposed Granite Paving as shown on the plans in conformance with Sections 10, 19, 24 and 35 of the Standard Specifications as amended by these Special Provisions.

A. Decomposed Granite: Decomposed granite, hereafter referred to as "DG", shall be Gold Track Fines as available from Granite Construction Co., Felton Quarry, Felton, CA 95018, (831) 335-3445 or approved equal. Material shall also conform to the following:

Sieve Size	Percent Passing
3/8"	100%
No. 4	85% - 95%
No. 8	75% - 95%
No. 30	35% - 55%
No. 200	10% - 20%

The yellow-brown color, inherent to Gold Track Fines type DG is a requirement for this material. The Contractor shall obtain the approval of the Engineer in writing of the DG he proposes to use prior to delivery to the site.

Decomposed Granite shall be orange-brown in color with particles not to exceed 4.75 mm in diameter, and installed at a finished compacted depth of three and one-half inches (3-1/2"). Decomposed granite shall be compacted to a minimum of 95%, except within 5' of an existing tree trunk, where the compaction shall be 85%. The surface shall be smooth and even with no depressions or bumps and with a 1% minimum and 2% maximum cross slope.

Immediately prior to placing the decomposed granite mixture, the subgrade shall be moistened. The mixture shall be deposited in such a manner as to minimize the necessity for spotting, picking up, or otherwise shifting the mixture. The mixture shall be leveled by raking and compacted by use of a light roller. The mixture shall not be screeded off or finished by floating. No steel tooling of edges shall be done.

B. Cement: Portland cement shall be DTSS Type II Modified added to the DG at the ratio of 5% by weight of dry DG.

C. Mixes: The quantity of water added to the mixture shall be adjusted to the absolute minimum required to permit uniform mixing. The materials shall be mixed in a drum-type mixer on the job or at a central mixing plant. The Contractor shall provide the Engineer sufficient notice of his intent to begin mixing so that the Engineer can provide inspection of the batching and mixing operation.

D. Time Limits: Not more than 1-1/2 hours shall elapse between the time water is added to the decomposed granite and cement and the time of completion of raking.

E. Placement: DG mixture shall be deposited in such a manner as to minimize the necessity for spotting, picking up, or otherwise shifting the mixture. The mixture shall be leveled by raking and compacted by use of light roller. The mixture shall not be screeded off or finished by floating. No steel tooling of edges shall be done.

F. Finish: The finished surface shall be kept moist for five days. Broom with a steel-bristle broom within 24 hours after placement to remove cement mortar film on the exposed surface and to fill cracks with decomposed granite. Broom the surface daily for four (4) additional days, filling cracks each time. The finished surface of the paving shall firm, stable and smooth and even, with a consistent grade, with no high or low points. The paving shall be flush with adjacent concrete containment edge.

G. Sample: Prior to placement of decomposed granite the Contractor shall submit to the Project Landscape Architect a representative sample of decomposed granite for use on this project for approval. No decomposed granite shall be placed prior to receiving the Landscape Architect's approval.

H. Subgrade shall conform to Section 14-7 of the Standard Specifications, with the following exception: relative compaction shall be 90%.

I. Weed Control shall conform to Section 35-6 and 35-8 of the Standard Specifications,

and shall include granulated pre-emergent herbicide under the decomposed granite paving.

J. Landscape Weed Fabric shall be DeWitt Weed Barrier Landscape Fabric, 3.5 ounce, 12 yr, Color Brown, UV treated, spunbonded fabric or approved equal. Contact DeWitt Company 1-800-888-9669, or dewittcompany.com.

K. Metal Anchor Pins shall be by Dewitt or approved equal. Contact DeWitt Company 1-800-888-9669, or dewittcompany.com.

L. Test Sample: Provide a 10' by specified width as a test sample, to be approved prior to installation. The Contractor shall notify the Landscape Architect and Landscape Architect forty-eight (48) hours prior to test sample. If the test is found to be unsatisfactory by the City, additional test samples shall be constructed and finished until the correct finish is achieved. Workmen and equipment used in the construction of the test sample shall be the same as those used throughout the installation of stabilized decomposed granite paving.

M. Installation: Evenly spread prepared crushed granite fines/binder material according to plans in two inch (2") lifts on prepared sub-grade. Grade and smooth decomposed granite material, thoroughly water entire area to a uniformly moisture. Roll each lift with a 2000 to 4000 lbs. static drum roller to form a uniform, smooth surface. Compact each lift to 95%. Do not use vibratory plate compactor or vibration function on roller as vibration separates large aggregate particles.

Upon completion of the final lift, fill any depressions, holes or divots and reroll using the above process.

Allow sufficient curing period of +/- 48 hours prior to use. Take all precautions to protect completed work from traffic until completely dry. Rake off any crusted cement on top of surface and repair or replace all damaged areas due to tire ruts, erosions, compaction failure, etc. until the project is accepted.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing the Stabilized Decomposed Granite Paving as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 40 - Removable Bollard

This item shall consist of furnishing and installing Removable Bollard in conformance with the Standard Specifications and these Special Provisions.

A. Removable Bollard shall be a 36" post height, and 4.5" OD, Round Post Top Lock with Heavy Traffic Ground Sleeve, model no. TL 1004R by Traffic Guard Direct or approved equal.

Contact: Traffic Guard Direct, 1-877-727-7347

B. Lock will be supplied by the City.

C. Concrete Footing shall be Portland Cement Concrete Type II Class "D", as specified in Section 10 and installed in conformance with Section 20 of the Standard Specifications and the manufacturer's specifications.

D. Finish: Bollard shall be powder coated yellow.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing the Removable Bollard, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 41 - Basketball Court Paving & Striping

This item shall consist of furnishing and installing Basketball Court Paving & Striping as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Asphalt Concrete shall be Type B, per the Standard Specifications.

B. Tack Coat shall be applied and shall be conform to Section 22-7 of the Standard Specifications.

C. Asphalt Binder shall be PG64-10 or PR64-16 and shall conform to Section 39 of the State Standard Specifications.

D. Flood Test: The asphalt pavement should be flooded to check for surface drainage, low areas, high areas greater than 1/8" tolerance. Out of tolerance areas should be repaired, filled to grade or re-installed.

E. Line Paint shall be Fast Dry, Low VOC, solvent base white paint. Paint shall be applied at a thickness of 12 to 14 mil.

E. Tolerance and Appearance shall conform to Section 32-2 of the Standard Specifications with the following exception: that there shall be no more than one-half inch (1/2") deviation from tangent alignment or true arc.

Payment shall be made at the lump sum price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing Basketball Court Paving & Striping as shown on plans, as specified in these Special Provisions and as directed the Landscape Architect.

Item No. 42 - Basketball Post, Backboard, Goal and Net

This item shall consist of furnishing and installing Basketball Post, Backboards, Goal and Net as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Basketball Posts shall be by True Bounce or approved equal. Backboard Poles are 6" x 6" x 3/16" square steel poles with a 6' foot extension model #PA666. Backboard shall be clear 42' x 72" x 1/2" model XL7042, with 72" backboard pad model # BP072. Goals are heavy duty breakaway goals model # RB1000. Nets are nylon, model #BN 141. Posts shall be powder-coated color Green, and the backboard trim color shall be Royal Blue. Install according to manufacturer's specifications.

Distributed by: California Sports and Recreation Inc., Contact: (800) 235-2440 or nfo@CalRec.com

B. Concrete Footings shall be installed as specified by the manufacturer and shall be Type II Class "D" Portland Cement Concrete, conforming to Paragraph 10 of the Standard Specifications.

Payment shall be made at the lump sum price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing Basketball Post, Backboard, Goal and Net as shown on plans, as specified in these Special Provisions and as directed the Landscape Architect.

Item No. 43 – Baseball Backstop

This item shall consist of furnishing and installing a Chain Link Baseball Backstop as shown on the plans, as specified in these Special Provisions, in conformance with Section 10-35 and Section 29 of the Standard Specifications and as directed by the Landscape Architect.

A. Backstop shall be Traditional Baseball Backstop Model 1635T, 20' rear panel width by Steelcraft Products, or approved equal; (800) 371-2438.

B. Fabric shall be No. 9 gauge galvanized steel wire woven in a two-inch (2") mesh. Top and bottom selvages shall have a knuckled finish. Splices in fabric shall be made by bringing the ends close together and weaving in a picket in such a way that it will engage both ends and catch with each twist each separate mesh of the end pickets of both pieces of fabric. The fabric shall be tied to the posts, braces and rails with suitable galvanized fabric bands and steel wires.

C. Posts - Corner posts shall be two and one-half inch (2-1/2") outside diameter, galvanized hot dipped pipe of weight not less than 5.79 pounds per linear foot. Intermediate posts shall be two inches (2") outside diameter galvanized hot dipped pipe of weight not less than 3.65 pounds per linear foot.

D. Footings shall be Class "D" as specified in Section 10-5 of the Standard Specifications.

E. Braces and Railings - Braces shall be one and three-eighths inch (1-3/8") outside diameter galvanized hot dipped pipe weighing not less than 1.68 pounds per linear foot. Arch railings and external railings are to be clamped with suitable malleable, cast iron or pressed steel clamps. The arch rails shall be welded together as shown on the plans. The welds shall be continuous on all sides and faces of the joints to be removed. Treat weld with an approved galvanized compound after fabrication.

F. Anchor Plates for mounting backboards shall be welded to all posts as required. All welds shall be epoxy coated to prevent rust.

G. Concrete is covered under "Concrete Flatwork to Construct" of these Special Provisions and is not a part of this item.

H. Baseboards shall be "Trex" composite lumber to meet sizes indicated on the plans. Color of the boards shall be: Woodland Brown. Submit color samples to Landscape Architect for approval prior to installation. Baseboards shall be bolted to the Anchor Plates welded to posts with three-eighths inch by two and one-half inch (3/8" x 2-1/2") galvanized carriage bolts. Peen bolt ends after tightening. See plans for further details.

Payment shall be made at the lump sum price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals, and for doing all work involved in completing Backstop as shown on the Plans, as specified in the Special Provisions and as directed by the Landscape Architect.

Item No. 44 – Baseball Overthrow Fence

This item shall consist of furnishing and installing 8' Chain Link Fence with base boards as shown on the Plans in conformance with Section 10-38, 31 and Standard Drawing C.E. 11 of the Standard Specifications and as amended by these Special Provisions.

A. Top Rail shall be used. Top Rail and Braces shall be 1.660" O.D. - G.S.P., or cold formed steel pipe, as stated in Paragraph C, and shall weigh 2.27 or 1.83 lbs. per linear foot, respectively.

B. Tie Wire shall be 9 gauge galvanized steel wire, spaced 18 inches apart. Tie wires shall be given at least one complete turn.

C. Fabric shall be of material and installed as stated in Paragraph 10-38 and Section 31 of the Standard Specifications. Fabric shall be knuckled at both top and bottom.

D. Terminal or Corner Post shall be 2.875" O.D. - G.S.P., or high tensile strength steel pipe manufactured from cold formed steel conforming to ASTM A569 and weighing 5.79 or 4.64 lbs. per linear foot, respectively.

E. Line Post shall be 2.375" O.D. - G.S.P., or cold formed steel pipe, as stated in Paragraph C, and shall weigh 3.65 or 3.117 lbs. per linear foot, respectively.

F. 3/8" Truss Rod and Turnbuckle shall be galvanized and installed as shown on Drawing C.E. 11 of the Standard Specifications.

G. Post Tops, Stretcher Bars and other required fittings and hardware shall be hot-dip galvanized and shall be of malleable iron, cast iron, or pressed steel.

H. Concrete Footings shall be Class D Portland cement concrete conforming to Sections 10, 31 and Drawing C.E. 11 of the Standard Specifications.

I. Anchor Plates for mounting backboards shall be welded to all posts as required. All welds shall be epoxy coated to prevent rust.

J. Concrete is covered under "Concrete Flatwork" of these Special Provisions and is not a part of this item.

K. Boards shall be two inch by twelve inch (2"x10") "Trex" composite lumber to meet sizes indicated on the plans. Color: Woodland Brown.

L. Backboards shall be bolted to the Anchor Plates welded to posts with three-eighths inch by two and one-half inch (3/8" x 2-1/2") galvanized carriage bolts. Peen bolt ends after tightening. See plans for further details.

Payment shall be made at the lump sum price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals, and for doing all work involved in completing 8' Chain Link Fence with Base Boards as specified in the Special Provisions and as directed by the Landscape Architect.

Item No. 45 – Baseball Field Accessories

This item shall consist of furnishing and installing the Baseball Field Accessories as shown on the plans in conformance with the manufacturer's specifications and these Special Provisions.

A. Baseball Field Accessories shall be Steelcraft Products, or approved equal. (800) 371-2438.

1) Home Plate – 310-SHP Stake down plate with ground anchor.

2) Pitching Rubber – 450-CI, four way pitchers plate.

3) Bases – 100 ML bases with 227-FAS base anchor.

4) Bat Rack – BR-8 galvanized metal, 8 bat capacity with in ground mount.

B. Concrete footings shall be Type II, Class "D" Portland cement concrete conforming to Sections 10 and 31 of the Standard Specifications.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals, and for doing all work involved in Baseball Field Accessories as shown on the Plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 46 – Infield Mix

This item shall consist of furnishing all materials and labor for the construction of the Infield Mix as shown on the plans, and in conformance with these Special Provisions and the Standard Specifications.

A. Submit: Submit a one-quart sample of the infield mix to be used to the Project Landscape Architect for approval. No infield mix shall be placed prior to receiving the Landscape Architect's approval.

B. Soil sterilent to be chlorate-borate material with not less than forty percent sodium chlorate and soluble in water to the extent of 3.5 lbs. of product per gallon of water ("Chipman-Chlorax 40", Atrazine 80W, or approved equal).

C. Infield surface mix shall be premixed as follows, or approved equal:

Volcanic red cinders 1/8" maximum diameter with fines	70%
Wilder clay	20%
Sandy loam	10%

Available from Shelton Transfer Company, 1996 Old Oakland Road, San Jose, CA 95131, (408) 432-9040.

D. Soil Sterilent Installation Shall be applied to the subgrade soil of areas to be paved uniformly applied per manufacturer's recommendations; minimum rate of 2.5 to 3.0 lbs./1000 square feet and watered with a minimum of 3 gallons/100 square feet. Contractor shall take all precautions necessary to avoid spray onto or runoff into planting areas.

E. Drag the field with a mat drag to break up any clumping and complete the blending. Level with the best means available.

F. Contractor shall roll and compact two (2) uniform lifts of the infield fines. The roller shall not exceed 4 tons.

G. Final drag the infield twice with a drag mat. This will loosen the surface to a desired consistency and level any visible low spots. It is essential to drag the field slowly and in control.

H. Grades The finish grades of the infield mix shall conform to the lines and grades on the drawings and allow for drainage. Edges shall be flush with adjacent concrete or pavement.

I. Sweep all excess infield materials that washed out into the edges of the turf back onto the infield surface. This will prevent any lips or grading inconsistencies from being created. All waste incurred as a result of infield fines construction shall be removed from the site and disposed of legally. All excess material shall be removed from planting area.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals, and for doing all work involved in Infield Mix as shown on the Plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 47 – Players' Bench

This item shall consist of furnishing and installing Players' Bench in baseball field dugouts as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Players' Bench shall be Portage Series PO0421I (8') long bench without back by Urbanscape, or approved equal. Square perforation, 12 gauge sheet steel, 2 3/8" framing, inground mount. Color: Smoke

Distributed by: David O'Keefe Co. (510) 837-4440

B. Concrete Footing shall be Portland Cement Concrete Type II Class "D", as specified in Section 10 and installed in conformance with Section 20 of the Standard Specifications and the manufacturer's specifications.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing the Players Benches as shown on plans, as specified in these Special Provisions and as directed the Inspector.

Item No. 48 – Drinking Fountain

This item consists of furnishing and installing an accessible Drinking Fountain with Sump, and associated Cleanout, Drain Pipe and Supply Line as shown on the plans and in conformance with these Special Provisions.

A. Drinking Fountain Assembly shall be MDF 440 with Jug Filler, or approved equal. Color shall be "Pyrite" from manufacturer's textured color chart. Nibco T-113-LF valve required. Freeze-proof valves are not required.

   Distributed by: Most Dependable Fountains, (800) 552-6331, fax (901) 867-0159 or Husband and Associates: 925-426-5001

B. 3/4" Supply Line shall be PVC pipe, Schedule 40, solvent weld with Schedule 80 fittings and shall be installed in conformance with Section 10 and Section 36 of the Standard Specifications.

C. Disinfection of the domestic water line shall be in conformance with Standard Specifications Section 27-12 – Disinfection of Water Mains. Delete the following paragraph Section 27-12, 5, e. and replace it with the following: "Twenty-Four (24) hours after flushing the chlorinated water from the domestic main the contractor will collect samples for testing." The samples shall be bacteriology tested for the items listed in Section 27-12, 5, f.

D. Two (2) Gate Valves with blow-off valves shall be installed in the water supply line in concrete valve boxes with locking tops. Gate valves shall be key-operated, size as shown on the plans.

E. Cleanout shall be constructed as shown on the drawings. Concrete shall be Type II Class "D", as specified in Section 10 and concrete work shall be completed in conformance with applicable requirements of Section 30 of the Standard Specifications.

F. Drain Line shall be ABS or PVC pipe, Schedule 40, solvent weld with PVC DWV fittings and shall be installed in conformance with Section 10 and Section 36 of the Standard Specifications.

G. Drain Grate shall be No. 3 Round Drain, J. R. Smith Model 2110 series with vandal proof grate Model U or approved equal.

H. Water Tap with Meter shall be paid for under "Portable Water Line, Tap, Meter and Backflow Preventer" of these Special Provisions.

I. Drainage Sump shall be constructed per plans.

J. **ALL Bolts** shall be installed as specified by the manufacturer and shall be provided by the Contractor. All exposed bolts shall be cut to 3 exposed threads and all anchor bolts/ nuts shall be tack welded and all remaining exposed bolts/ nuts shall be tightened and secured with Loctite Adhesive, red 271 for a permanent installation.

K. Concrete Pad shall be paid for under "Concrete Flatwork", of these Special Provisions. Concrete pad shall be thickened underneath area of anchoring to 6".

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing Drinking Fountain with Sump as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 49 - Group BBQ

This item shall consist of furnishing and installing **one (1) Group BBQ** as located in the field by the Landscape Architect in conformance with these Special Provisions and the manufacturer's specifications.

A. BBQ shall be by Outdoor Creations, Inc. model no. 3001A, dual concrete barbecue, or approved equal. Color shall be "Kahlua" from manufacturer's standard colors.

B. Distributed by: Outdoor Creations, Contact: Chad Smith, (530) 337-6774, fax (530) 365-5129.

C. **ALL Bolts** shall be installed as specified by the manufacturer and shall be provided by the Contractor. All exposed bolts shall be cut to 3 exposed threads and all anchor bolts/ nuts shall be tack welded and all remaining exposed bolts/ nuts shall be tightened and secured with Loctite Adhesive, red 271 for a permanent installation.

D. Concrete Pad shall be paid for under "Concrete Flatwork", of these Special Provisions.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in completing Group BBQ as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 50 – Picnic Table

This item shall consist of furnishing and installing the Picnic Table as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Picnic Table shall be as indicated on Plans, or approved equal. Tables shall be 8' long, multi-pedestal with inground mount. Table and bench tops shall be constructed from a slat steel design and powder coated. Color as indicated on Plans.

B. Accessible Picnic Table shall be as indicated on Plans, or approved equal. Tables shall be 8' long, multi-pedestal with inground mount. The benches shall consist of two, six foot (6') long benches with 8' long table. Table and bench tops shall be constructed from a slat steel design and powder coated. Color as indicated on Plans.

C. **All Bolts** shall be installed as specified by the manufacturer and shall be provided by the Contractor. All exposed bolts shall be cut to 3 exposed threads and all anchor bolts/ nuts

shall be tack welded and all remaining exposed bolts/ nuts shall be tightened and secured with Loctite Adhesive, red 271 for a permanent installation.

D. Concrete Footing shall be Portland Cement Concrete Type II Class "D", as specified in Section 10 and installed in conformance with Section 20 of the Standard Specifications and the manufacturer's specifications.

E. Concrete Pad shall be paid for under "Concrete Flatwork" of these Special Provisions.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing the Picnic Table as shown on plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 51 – Round Plaza Table

This item shall consist of furnishing and installing the Round Plaza Table as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Round Plaza Table shall be as indicated on Plans, or approved equal. Table and seats shall be constructed from steel and have perforated round pattern. Surface mounted. Color as indicated on Plans.

B. **All Bolts** shall be installed as specified by the manufacturer and shall be provided by the Contractor. All exposed bolts shall be cut to 3 exposed threads and all anchor bolts/ nuts shall be tack welded and all remaining exposed bolts/ nuts shall be tightened and secured with Loctite Adhesive, red 271 for a permanent installation.

C. Concrete Footing shall be Portland Cement Concrete Type II Class "D", as specified in Section 10 and installed in conformance with Section 20 of the Standard Specifications and the manufacturer's specifications.

D. Concrete Pad shall be paid for under "Concrete Flatwork" of these Special Provisions.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing the Round Plaza Table as shown on plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 52 – Bench

This item shall consist of furnishing and installing Bench as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Bench with back shall be as indicated on Plans, or approved equal. Bench to be surface mounted and constructed from steel and cast iron supports.

B. **ALL Bolts** shall be installed as specified by the manufacturer and shall be provided by the Contractor. All exposed bolts shall be cut to 3 exposed threads and all anchor bolts/

nuts shall be tack welded and all remaining exposed bolts/ nuts shall be tightened and secured with Loctite Adhesive, red 271 for a permanent installation.

C. Concrete Pad shall be paid for under "Concrete Flatwork", of these Special Provisions.

Payment shall be made at the lump sum price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing Bench as shown on plans, as specified in these Special Provisions and as directed the Landscape Architect.

Item No. 53 – Trash Receptacle

This item shall consist of furnishing and installing Trash Receptacle as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Trash Receptacle shall be powder-coated steel with single pedestal, 32-gallon receptacle with flat top lid, with side opening access to liner as indicated on Plans, or approved equal. Color shall be as indicated on the plans. Lid shall be attached to receptacle with chain.

B. **ALL Bolts** shall be installed as specified by the manufacturer and shall be provided by the Contractor. All exposed bolts shall be cut to 3 exposed threads and all anchor bolts/ nuts shall be tack welded and all remaining exposed bolts/ nuts shall be tightened and secured with Loctite Adhesive, red 271 for a permanent installation.

C. Concrete Flatwork shall be paid for under "Concrete Flatwork", of these Special Provisions.

D. Concrete Footing shall be Portland Cement Concrete Type II Class "D", as specified in Section 10 and installed in conformance with Section 20 of the Standard Specifications and the manufacturer's specifications.

Payment shall be made at the lump sum price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing Trash Receptacle as shown on plans, as specified in these Special Provisions and as directed the Landscape Architect.

Item No. 54 – Bike Rack

This item shall consist of furnishing and installing Bike Rack as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Bike Rack shall be as indicated on the Plans, or approved equal.

B. **ALL Bolts** shall be installed as specified by the manufacturer and shall be provided by the Contractor. All exposed bolts shall be cut to 3 exposed threads and all anchor bolts/ nuts shall be tack welded and all remaining exposed bolts/ nuts shall be tightened and secured with Loctite Adhesive, red 271 for a permanent installation.

Payment shall be made at the lump sum price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing Trash Receptacle as shown on plans, as specified in these Special Provisions and as directed the Landscape Architect.

Item No. 55 – Play Equipment

This item shall consist of furnishing and installing the new Play Equipment as shown on the plans in conformance with Section 10 of the Standard Specifications, these Special Provisions and the manufacturer's specifications.

A. Play Equipment and Independent Components shall be as indicated on the plans and shall be composed of such material and constructed as specified by the individual manufacturer's specifications. All posts shall be steel. The contractor will be responsible for receiving and storing the play equipment until it is installed. Manufacturer to provide repair kit with paint, details, specifications and all necessary tools.

B. Adventure playground components shall be Rocks & Ropes Adventure Playgrounds, by Universal Precast Concrete, Inc., or approved equal and are composed of sculptures made from PolyFiberCrete. Each section shall have a different shape to provide varying topography, such as caves, tunnels, overhangs, slabs, slopers, and ledges, necessary to give users opportunities to learn the basic skills of bouldering. In order to accommodate the natural play patterns of children, ropes are connected directly to rock sculptures. No section shall exceed 9'-ft 4"-in height as measured from the top of the recommended landing surface. Each sculpture shall have at least one route from the top to the landing surface to provide an easy route of dismount for use at sites where this feature is deemed desirable. The surface and edges of the sculpture shall be sandblasted to remove sharp edges and surfaces to eliminate abrasion to climbers and to able to be re-sandblasted in the future to expedite graffiti removal. Some surface irregularities are permitted as it is recognized that not all air pockets can be removed during the casting process and these pockets provide handholds for the structure.

Ropes: Hercules rope, shall be steel reinforced, with an outer diameter of 16mm, and composed high-strength polyester-fiber with six strands of 2.5mm galvanized steel, coated by a 1mm layer high-strength polypropylene with an additional high-strength polyester-fiber with a thickness of 6mm. Additional protection against untwisting/splicing is to be provided with a conglutination of the fibers by heating of the single steel strands. An additional, liquid coating during manufacturing shall be used to increase resistance against abrasion. The linear breaking load shall be not less than 3.5t across a section and not less than 2.8t directly at the aluminum ferrules. Ropes shall span up to 13 feet and allow for an engineering tolerance of 6" for installation. Color shall be red.

Ropes are connected to structures using an internal locking system that provides 12" of distance variability. Internal locking system shall have no protrusions from the structure. The breaking load of the internal rope connection system shall be not less than 7,000 lbs. All hardware shall be stainless steel.

Universal Precast Concrete, Inc. warrants that its Rocks & Ropes Adventure Playgrounds are free from defects in material and workmanship. This warranty is valid for ten (10) years for the PolyFiberCrete pre-cast concrete sculptures, two (2) years for rope elements and rubber hop rock elements, from the date of delivery, excluding

normal wear and tear. If the purchaser discovers within this period a failure of the product to conform to specifications, or a defect in material or workmanship, the purchaser must promptly notify UPC in writing within thirty (30) days of discovering the defect. Within a reasonable time after notification, UPC shall repair or supply replacement parts for any failure of the product to conform to specifications or any defect in material or workmanship, at UPC's expense.

C. Concrete Footings shall be installed as specified by the manufacturer and shall be Type II Class "D" Portland Cement Concrete, conforming to Section 10 of the Standard Specifications.

D. Concrete Footings for independent climbing boulders and natural themed play elements shall be the responsibility of the contractor. Contractor shall provide the poured in place concrete foundations for elements to be anchored at the sizes recommended by the manufacturer. Manufacturer to supply the anchoring devices as necessary and shall be installed as per manufacturer's installation instructions.

E. Coordination of all play equipment components in relation to the depth of components within the specified play area surfacing material will be required to be verified prior to placement of order of play equipment. Verify specific play components with the type of surfacing material(s) to ensure required depths are achieved. Log elements and hop rocks are to be set on compacted road base type material minimum 12" below the top of the finished wood fibar safety surface.

F. Manufacturer's Representative shall inspect the play equipment after the installation and provide the City with a letter that states the play equipment is installed in compliance with the manufacturer's specifications and details.

G. Compliance: Contractor shall assemble and install playground equipment in compliance with the written instructions of the manufacturer. The playground equipment shall either be:

1. Assembled and installed by or under the direct supervision of an individual who is authorized by the manufacturer to assemble and install the equipment.

AND

2. Prior to its first use, the playground equipment shall be inspected by a Certified Playground Safety Inspector who shall certify in writing that the equipment, insofar as it can be seen without disassembling it or digging into the surfacing, is in compliance with ASTM F-1487-98 and CPSC Handbook Publication number 325.

H. *The City has submitted the plans to the Building Department for permit issuance. Should the contractor elect to propose a substitution, it is his or her responsibility to submit structural drawings and calculations to the Building Department for approval at no additional cost to the City. No contract time extension will be given to accommodate a substitution.*

I. *The contractor shall contact the Building Department directly for all required inspections. The contractor is responsible for coordinating and obtaining all required signatures from the Building Department including the final permit sign-off from the Building Department. The Contractor shall provide the Landscape Architect with the finalized Building Department permit at final acceptance.*

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the Play Equipment as shown on the plans, as specified in these Special Provisions and as directed by the Inspector.

Item No. 56 – Play Area Wood Fiber

This item shall consist of furnishing and installing Wood Fiber to a compacted twelve inches (12") minimum finished depth **at time of final acceptance by the City** and Geo-textile Fabric in the play area as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Wood Fiber shall be Sun-Up Playground Fiber, or approved equal. Wood fiber shall be 100% virgin wood fiber comprised of new Incense Cedar. Wood fiber shall have blunt ends, and shall be void of mixed woods, recycled wood, nails, staples, bark, leaves, dirt, twigs or splinters. Wood Fiber shall be non-toxic with no chemicals or additives, and shall be wheelchair accessible. Wood fiber fall material shall meet CPSC & ASTM Standards for Public Playgrounds.

B. Product Certifications - The Wood Fiber system shall be certified as meeting the U.S. Consumer Product Safety Commission's technical guidelines for playground surfacing as follows: When tested in accordance with suggested test method in Paragraph 1, 2, and 3, a surface should not impact a peak acceleration in excess of 200 g's to an instrumented ANSI head form dropped on a surface from the maximum estimated fall height. Copies of the testing procedures of the Wood Fiber system and results performed by an independent testing source, which demonstrates compliance with the C.P.S.C. guidelines, shall be provided. The Contractor shall provide the City with a Certificate of Insurance for product liability with the limit of liability of not less than $2,000,000 for the wood fiber supplied. The Wood Fiber system shall have a minimum warranty of one (1) year from date of installation against decay and biochemical degradation calling for replacement of defective materials during the guarantee period. Wood Fiber shall not be installed until after play equipment is installed.

C. Subgrade for play area shall be free of segregated material and shall have a relative compaction of not less than 85%. Subgrade shall be finish graded and sloped to drain to the play area catch basin at a 1-% minimum slope.

D. Weed Control shall conform to Section 35-6 of the Standard Specifications.

E. Geo-textile Fabric shall be placed on top of the prepared sub-grade as shown on the plans, so as not to allow any contact between the Wood Fiber and the sub-grade. Geo-textile Fabric shall be polyester. Fabric shall have a minimum thickness of 3/16". Fabric shall be non-woven, and shall be permeable and not act as a wicking agent.

F. Staples or Fasteners – Geo-textile fabric shall be held in place by the use of staples or fasteners along all corners and seams at approximately 10' O.C. or closer as required to hold Geo-textile fabric in place.

G. Installation of wood fiber shall be within forty-eight (48) hours after play equipment is installed. Wood Fiber shall be placed on top of the Geo-textile Fabric as shown on the plans. The Wood Fiber shall be uniform, level and compacted. Contractor shall thoroughly sprinkle wood fiber after installation and rolled with a partially filled lawn roller in all directions for compaction in 2" lifts. The Wood Fiber shall be compacted to a 12" finished depth at the edges of play area at the time of final acceptance by the City. The depth of wood fiber in the center of the play area will be greater.

Payment shall be at the lump sum price bid, and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing Play Area Wood Fiber as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 57 – Resilient Playground Surfacing

This item shall consist of furnishing and installing Resilient Playground Surfacing to depths as requested by manufacturer's recommendations for the various fall heights in the play area as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Standards

1. All protective rubberized surfacing, shall meet ASTM F-1951 "Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment".

B. Submittals

1. Prior to the purchase of the protective resilient surfacing and within 10 days after award of contract, Contractor shall submit the following items to Landscape Architect for review and approval. No materials for this section shall be purchased until such approval is granted. Incomplete submittals shall be returned without review.
2. Protective surfacing, poured-in-place rubber submittal items shall include: One pint sample of rubber granules showing specified colors, manufacturer's test data identifying the critical height of material per specified base and wear course depths, and certification of compliance with ASTM F-1951 "Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment" and ASTM F-1292, "specification for impact Attenuation of Surface Systems Under and Around Playground Equipment", current version.

C. Products

1. Poured-in-Place Resilient Surfacing shall be Tot Turf or approved equal. Tot Turf is manufactured by Robertson Industries, Inc. available from Husbands and Associates, Inc., Post Office Box 1152, Pleasanton, CA 94566, (925) 426-5001.
2. Poured-in-place rubber colors shall be as shown on the plans.

3. Binder shall be aliphatic (U.V. stable).

4. Play Area Surfacing shall be installed in accordance with details as shown on the plans.

5. Colors of resilient pavement shall be as shown on plans.

6. Subgrade shall be Class II Aggregate compacted to 90% relative density as shown on plans. Slope subgrade to play area drain.

D. Layout prior to commencing installation, Contractor shall stake layout of protective rubberized surfacing and request an on-site review for approval by the Landscape Architect. Contractor is responsible for adjusting the layout as required by the Landscape Architect.

E. Product Certifications – Resilient surfacing shall be certified as meeting the U.S. Consumer Product Safety Commission's technical guidelines for playground surfacing.

Payment shall be at the lump sum price bid, and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the Resilient Playground Surfacing as shown on the plans as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 58 – Water Play / Spray Equipment

This item shall consist of furnishing all labor, materials, equipment and perform all operations necessary for the completion of the Water Play/Spray Pad Equipment as shown on the Plans. Work includes all excavation, concrete footings, sand backfill, hardware, fittings, nozzles, piping, wiring, and accessories, including the controller, and finishes as required, in accordance with the drawings, specifications, these Special Provisions and the manufacturer's specifications.

A. Water Play Equipment shall be Waterplay Solutions Corp, or approved equal, as indicated on the plans and shall be composed of such materials and constructed as specified by the individual manufacturer's specifications. Water Play system to include all components, play features and water management system necessary for the complete operation of the system as specified on the plans.

B. Product Submittals: Contractor shall submit 6 copies for approval before beginning work. Submit manufacturer's product data for aquatic play features and system components including vault, activator(s), pipes, fittings and valves. Submit drawings to indicate layout of aquatic play area components and location of anchors and footings. Clearly indicate, to scale the spatial relationship of each piece of equipment to each other and to other existing or proposed features including adjacent surfaces or vegetation. Indicate to a scale the limits of spray zones and non-encroachment areas to clearly demonstrate conformance with specified standards. Submit shop drawings of the aquatic play

features including spray nozzles and colors for approval. All hardware, fittings and fastenings shall be indicated on the shop drawings.

C. Product Manufacturer shall have a minimum 10 years experience in the manufacturer of aquatic play features and components. Individuals responsible for installation shall have supervised/installed a minimum of 3 (three) installations in the State of California.

D. Deliver materials to job site in an undamaged condition. Inspect all items for abraded surfaces and other unacceptable deliver conditions. Return damaged or non-conforming items to manufacturer for replacement. The contractor will be responsible for receiving and storing the water play equipment until it is installed. Manufacturer to provide repair kit with paint, details, specifications and all necessary tools.

E. Aquatic Play Features:

Above ground aquatic play features shall be constructed of Stainless Steel Type A304 or A304L, schedule 40 or 10. Stainless steel base plate materials will be 3/8" thick. Each spray fixture shall have a 1 ½" NPT coupling water inlet.

In-ground aquatic play features shall be 2 ½" schedule 40 or 6" schedule 40, type A304 stainless steel canisters with a machined nozzle seat. Each fixture will have a 1" NPT coupler water inlet. Each fixture shall have a ¼" thick base plate with holes to accommodate stainless steel L-type anchor bolts to be set in a concrete footing.

Aquatic play features are to meet ADA compliance for handicap accessibility, and meet or exceed current ASTM playground safety standards.

Aquatic play features will be supplied with all necessary anchoring hardware and installation templates to accommodate site work.

All aquatic play features shall have fittings that allow for winter close off and shall address winterization.

All anchoring fasteners shall be stainless steel.

F. Nozzles shall be constructed of acetal copolymer, non-corrosive, impervious to galling, precision machined, and interchangeable. Brass and Nylon are not acceptable. Nozzles shall be capable of providing varying water displays and consumptions to meet the hydraulic requirements of the aquatic play feature. A mechanical workbook must be supplied to show individual flow rates for each feature including maximum and average flow for each pre-programmed sequence step.

Nozzles shall be tamper resistant and shall be secured using tamper resistant fasteners.

H. Electrical control panels shall be CSA/UL approved specifically for aquatic play area operations and must bear certification logos. All activation mechanisms shall be made accessible only with use of manufacturer supplied tamper resistant, stainless steel security hardware. All wiring to be specified by the manufacturer of the aquatic play features. The actuating device shall be encapsulated within a powder coated aluminum casing with a 316 stainless steel button, and be UV, moisture, graffiti, and impact

resistant. Control system materials are to be of industrial grade quality and controller enclosures shall be rated @ NEMA 4.

I. Water Distribution and Management System:

Main line pipe and fittings to be schedule 40 PVC. The distribution laterals and fittings are to be schedule 40 PVC. Ensure that a proper slope is consistently applied to all piping to ensure positive gravity-assisted drainage of the entire system. Ensure all fittings are secured to close openings (off season) to protect from water entry of water back into the piping system.

Solenoid valves shall be PVC with flow control (Rainbird PGA series or equal). Valve wire shall be #18 with one per valve plus one common back to the controller location.

J. Below Ground Utility Cabinet

The utility cabinet shall be constructed of marine grade aluminum with a wall thickness of 1/8". The overall dimensions of the cabinet shall be approximately 72" X 39" X 45". The lid shall be coated in non-skid paint with two paddle latches inserted to allow for easy access and security. The cabinet shall house a Waterplay Controller and a 1 - 18 valve distribution manifold. The manifold shall be 3" schedule 40 stainless steel header. The manifold shall have a pressure gauge and ½" hose bib. The manifold shall have 1 - 18 Rainbird PGA 100 series solenoid valves with union valve fittings, manual ball valves and hose bibs on each outlet supply to components. There shall be a solenoid valve wire junction box mounted on the rear of the cabinet. The manifold shall be connected to a 2" supply line with master valve for shut off and servicing, connected to a Watts 2" double check valve and then connected to a Watts 2" pressure reducing valve before connecting to a 2" bulk head water inlet for potable water connection. Aluminum steps will provide safe access to the bottom of the vault. There shall be a 3" drain connection on the bottom of the vault with a 3" ABS backwater valve included (to be installed by other). There shall be an intake fan pre wired to the Waterplay Controller allowing for intake and exhaust connections via 3" vent holes (connection and vent caps by other). The vault shall have built in forklift channels to accommodate offloading.

K. Concrete Footings shall be installed as specified by the manufacturer and shall be Type II Class "D" Portland Cement Concrete, conforming to Section 10 of the Standard Specifications.

L. Diverter valve shall be installed along sewer drain line as shown on plans for rain water drainage of water play system during the non-operating season of the water spray pad area. Valve shall be manually operated and installed in a concrete valve box.

M. Compliance: Contractor shall assemble and install water play equipment in compliance with the written instructions of the manufacturer.

N. Testing: All aquatic play feature lead lines shall be water pressure tested as directed by local codes and the manufacturer's recommendations before backfilling and pouring of

concrete slabs. The contractor is to ensure all water supply lines are free of debris, and flushed of any foreign material, prior to the hook-up of any aquatic play features, and the contractor shall have inspected the entire system (including all electronic systems) in the presence of the Inspector. The contractor is to ensure all nozzles are adjusted and secured to the Inspector's satisfaction. The contractor is to test all drain systems of the aquatic play features. Refer to the Installation manual for a full description of related tasks prior to completion.

O. *The City has submitted the structural engineering drawings and calculations for the structure noted on the plans to the Building Department for permit issuance (refer to Attachments). Should the contractor elect to propose a substitution, it is his or her responsibility to submit structural drawings and calculations to the Building Department for approval at no additional cost to the City. No contract time extension will be given to accommodate a substitution.*

P. *The contractor shall contact the Building Department directly for all required inspections. The contractor is responsible for coordinating and obtaining all required signatures including the final inspection signature to finalize the Building Department permit. The Contractor shall provide the Landscape Architect with the finalized Building Department permit at final acceptance.*

Payment shall be at the lump sum price bid and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in completing the Water Play/Spray Pad Equipment as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 59 – Concrete Park Sign

This item shall consist of furnishing and installing a Concrete Park Sign with Concrete Base as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Concrete Sign and Base shall be made of concrete mix, to include 8.5 sacks of Portland Cement per yard with a maximum rock size of ¾".

B. The coloring agent selected by the City of Sacramento shall be pure mineral oxides and shall be mixed integrally with the cement. The contractor shall request Outdoor Creations to use the City standard tan concrete color for the park sign.

C. The concrete sign and footing must attain a minimum compressive strength of 7,000 PSI.

D. The concrete shall be reinforced at a minimum #4 Rebar. The rebar shall be at a minimum 18" grid pattern throughout the interior of the sign. The concrete footing shall have a minimum of two rows of #4 rebar running parallel to the face of the footing. All formed surfaces and edges are fully rounded and smooth finished.

F. Concrete graffiti-resistant sealer finish must be applied to all exposed surfaces. There must be a minimum of three (3) coat of sealer applied to the sign and footing prior to installation.

G. Concrete signs must be made of one solid piece of concrete. The concrete base must also be one solid piece of concrete.

H. The city seal will be mounted on a 12" diameter circle using 12-gauge aluminum. The city seal will be mounted on the concrete sign with two keyed bolts to prevent theft. The City seal will be provided by the City of Sacramento to the contractor. The area where the seal is place on the concrete sign shall be recessed by a minimum of half inch and have a flat beveled edging, at a forty-five (45°) degrees.

I. The sign lettering size will vary depending on how many words are on the park sign. All lettering shall be recessed from the surface of the concrete sign, at minimum of half inch. Edges on the sign letters shall not be round. The lettering for the park name shall be the largest print, all upper case, painted hunter green, and the style shall be Goudy Bold. The "City of Sacramento" lettering shall be smaller than the park name, be upper and lower case text, painted hunter green, and the style shall be Goudy Bold. The "Department of Parks and Recreation" lettering shall be smaller print than the "City of Sacramento," be upper and lower case text, painted hunter green, and the style shall be Goudy Medium. Contractor shall submit a mockup of the sign and receive written approval for the City representative prior to ordering the concrete sign and concrete base.

J. The sign vendor will provide to the contractor two (2), 60" in length by 2" diameter galvanized steel pipes, schedule 40. The pipes will be installed vertically into the base, through the footing, and into the sign. Sign manufacture shall supply detail. The signs and footing shall be epoxies to one another as well as having the footing epoxies to the concrete base.

K. The Contractor shall have the means to transport the concrete sign and footing to the park site. The sign and footing will be placed on top of a aggregate base footing, provided by the contractor. The City of Sacramento is not responsible for any damage to the sign during the transportation or installation of the sign and base. The City of Sacramento will only be responsibility for the sign & base after the final acceptance walkthrough.

L. Foundation shall be as shown on the plans. Aggregate Base shall conform to Section 10-7 and 17-1 of the Standard Specifications and have a relative compaction of 90%.

M. Vendor Information: The sign shall be by Outdoor Creations Inc., or approved equal. Outdoor Creations Inc. Representative Contact, Chad Smith: Phone (530) 337-6774 , Fax (530) 337-6675. Allow 90 days from the time of order.

N. Acceptance of Sign - The City of Sacramento is not responsible for any damage to the park sign during the transportation or installation of the sign and base. The City of Sacramento will only be responsibility for the sign & base after the final acceptance walkthrough. The contractor may wrap the park sign with black plastic until final acceptance by the City.

Payment shall be made at the unit price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all work involved in Concrete

Park Sign with Concrete Base as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 60 - Park Rules Sign

This item shall consist of proving materials and installing Park Rules Sign as shown on the Plans in conformance with these Special Provisions and the City Standard Specifications and Standard Drawing No. T-270.

A. Rules Sign shall be provided by the City, for installation by the contractor. The top of the steel park sign will be installed flush with the top of the steel post and shall be installed as shown on Standard Drawing T-270, Standard Sign Center mount.

A. Posts shall be standard weight galvanized steel, Schedule 40, 2" diameter size pipe with pipe cap.

B. Sign clamps shall be two steel Single 2" ID U-Bracket Clamps.

C. Footings shall be Portland Cement Concrete Class "D", conforming to Section 10-5 of the Standard Specifications and as shown on Standard Drawing T-270.

D. Stainless Steel Nuts & Bolts shall be vandal resistant bolts with the nuts tack welded on to reduce theft.

Payment shall be made at the lump sum Bid Price, and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in Park Rules Sign as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 61 - Playground Sign

This item shall consist of furnishing and installing Playground Sign as shown on the Plans, in conformance with these Special Provisions and Standard Drawing T-190 and T-160 of the Standard Specifications.

A. Signs shall be a shown on the plans and shall be constructed of 12 gauge steel. Sign lettering shall be printed on vinyl sheet not individual vinyl lettering. An antigraffiti laminate coating shall be installed over the vinyl sheet.

B. Post shall be standard weight galvanized steel, 2" diameter pipe, Schedule 40.

C. Footings shall be Portland Cement Concrete Class "C", conforming to Section 10-5 of the Standard Specifications and as shown on Standard Drawing T-190.

D. Stainless Steel Nuts & Bolts shall be vandal resistant bolts with the nuts tack welded on to reduce theft.

E. Contractor shall install two (2) playground signs per the Plans. Sign placement shall be determined by the Landscape Architect in the field prior to installation.

Payment shall be made at the lump sum price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in Playground Sign as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 62 - Booster Pump Assembly

This item shall consist of furnishing and installing a Booster Pump Assembly as shown on the plan in conformance with these Special Provisions and the manufacturer's specifications.

A. Booster Pump Assembly shall be by **Custom Pump and Power Supply, Customflow Quality Booster Package: Model 90STAN02142013-1/10VFD**, or approved equal. Booster pump assembly has been designed for **Park Site FB2,** Sacramento, California. Reference Number **90STAN02142013-1/10VFD**. Assembly, testing, startup, and service by **Custom Pump and Power Supply**. Electrical supply to power the booster pump assembly shall be provided by the Contractor. Electrical service Single- Phase: 230-Volt: 60-Amp breaker for 31-amp load.

B. A Custom Pump and Power Supply, Customflow Quality Booster Package Pump Station is designed to operate automatically through a control system. The irrigation system must provide (A) the water pressure through the plumbing connection and the (B) control device, The pressure source for the system can be city pressure, gravity, or a pump that creates or boosts the required pressures The control device can be a controller linked with a pump start relay, pressure switch, float switch, or flow switch for automatic operation. The basic function of our system will receive an external electrical signal, close a contact transferring the power to the motor and the pump is activated. When the demand stops, the contacts open and subsequently the pump turns off.

C. Conditions: Maximum flow: 90- GPM with 50- PSI boost: Electrical service 230 -volt: single-phase: 24VAC-pump start assembled and mounted above ground in a weatherproof enclosure.

D. Pump shall be by Berkeley 'B' series or approved equal. Motor and pump sizing to meet conditions and to allow irrigating site in 8 hr. to 10 hr. period.

E. Pump Control Panel to be ETL/UL 508 listed, mounted in NEMA 12 blown and filtered enclosure with main circuit breaker door interlocked handle, Fuji ECO VFD only with DC link choke, drive display on the door, fused 110-volt control, 150VA control transformer, one fault light on door, three control relays, optional output terminal for external fan. Capable of single-phase input and three-phase output.

F. Temperature Switch shall be a Barksdale Temp Switch model no: ML1H-203 to turn off or for no flow safety shut down.

G. CLA-VAL PRV 90-01 size 2" flanged for pressure control.

H. Gate Valve shall be two (2) Nibco GD4765 – line size, butterfly valve with grooved connection for above ground installation.

I. Central Check Valve shall be 3" sized grooved connection for bypass. Galvanized system piping with grooved couplings and fittings 3" flanged connection.

J. Gauge shall be two (2) No-shock Liquid Filled Gauges, 100 psi, size 2", for intake and outlet manifold.

K. Custom Steel Enclosure shall be model no.: PD2007 48X36X40X38 two piece with pivot top, slanted roof, shock for assisting opening and closing, powdered coated dark green Exhaust fan rated for 117 CFM, 115-volt, with finger guard for safety, external single muffin fan hood to shield from exposure.

L. Concrete Pad shall be a 120"X96" x 4" thick pad. Conduits need to be plumbed inside prior to making pad. The pad needs to be level for proper closure. Allow 30" clearance in front and behind for future access. Contractor to verify power, and supply control wires from irrigation controller.

M. Testing. The pump system shall be tested by the manufacturer for conformance to the flow and pressure requirements specified. The Contractor shall submit to the Landscape Architect certification of amperage draw, and amperage draw in x, y plot format. Testing shall be performed in accordance with AWWA E107. Hydrostatic testing is not acceptable.

N. Maintenance. A ninety (90) day maintenance period to cover system adjustments for optimum performance shall be performed.

O. Warranty and Owner's Manual. The entire pump station shall have an unconditional one-year warranty from the date at final acceptance by the City. *The Contractor shall provide the Landscape Architect with two (2) copies of owner's operating manuals with complete operational instructions and special tools for equipment at final acceptance.*

P. *Record Drawings. The Contractor shall provide the Landscape Architect with three (3) copies of record drawings at final acceptance.*

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing the Booster Pump Assembly as shown on the plans, as specified in Section 36-25 of the Standard Specification, in these Special Provisions and as directed by the Landscape Architect.

Item No. 63 – Irrigation Central Control System

This item shall consist of furnishing and installing a Irrigation Central Control System as shown on the plans in conformance with Section 34 of the Standard Specifications and these Special Provisions.

A. General

1. All materials furnished and installed shall be new and shall conform to the Standard Specifications for Public Works construction, current addition, as adopted by the City.

2. *Mandatory pre-installation meetings are required for all City of Sacramento parks projects. The contractor shall organize and conduct an on-site, pre-installation meeting with a representative from John Deere Green Tech (equipment supplier), Gonzalo Albor, the City's Irrigation Specialist, the Landscape Architect and the Landscape Architect prior to the installation of the central control system.*

John Deere Green Tech representative is Jim Weller, phone number is 800.427.0779 Office, 925.451.1610 Mobile and 949.455.7492 Fax.

3. All materials except interconnect conductors shall have a five year limited warranty. The contractor shall submit proof of warranty to the City Landscape Architect prior to the start of the maintenance period. It shall be the contractor's responsibility to obtain the necessary warranty inspections from the equipment supplier. No installation will be accepted without proof of warranty.

4. All existing and new computerized irrigation control system components shown on the plans shall be fully operational at final acceptance.

5. All incidental parts which are not shown on the plans or specified herein and are necessary to complete or modify the existing system shall be furnished and installed as though such parts were shown on plans or specifications. All systems shall be in satisfactory operation at the time of completion.

6. Existing interconnect systems shall be maintained in effective operation by the contractor for the duration of the work. The contractor shall notify the City Landscape Architect 48 hours prior to performing any work on an existing system.

B. Product

1. Conduit

a. All central control system interconnect conduit and fittings shall be PVC schedule 40 1 inch in size, unless otherwise noted.

b. All telephone service interconnect conduit and fittings shall be as approved by the local telephone company and shall be in a 2" conduit.

2. Conductor

a. Communication Cable as required from the submaster satellite assembly to the other satellite assemblies on line shall be a 4 conductor shielded cable (part # EV-CAB-COM). Communication cable may be used to link satellites up to 5,000 feet in length from each other. Cable shall be installed in a 1-inch PVC schedule 40 conduit.

b. Flow Sensor Wire as required from the flow sensor into the satellite assembly enclosure shall be a 2 conductor shielded cable (part # EV-CAB-SEN). The sensor cable may be used to connect the flow sensor to a satellite up to 2,000 feet in length from each other. Cable shall be installed in a 1-inch PVC schedule 40 conduit.

c. Conductors shall be the same type and size shown on the drawings as required for proper operation of the system.

3. Wire Splices

a. Conductors shall be installed with **NO UNDERGROUND** splices unless absolutely necessary and unavoidable. Any and all underground splices that are required to be made, must be approved by the City Landscape Architect and shall be placed in a suitable type 14 inch by 19 inch valve box for easy access.

b. Wire Splices on the communication or sensor cable shall be made with a splice kit (part # DBY/Y-6).

4. Pull Boxes shall be fabricated from a durable plastic material resistant to weather, sunlight, and chemical action of soil. Pull boxes shall be a minimum size of 20 inches in length, 15.25 inches in width and 12 inches in height. In paved areas, the pull box shall be a concrete type with a cast iron lid.

5. Ground Rod

a. A 5/8-inch by 8-foot ground rod, clamp and #10 wire shall be provided at every satellite location. It shall be installed within eight to twelve feet (8'-12') from the enclosure with nine inch (9") valve pit.

b. All central control system equipment shall grounded to conform to requirements of the National Electric Code, current edition as adopted by the City and the manufacturer specifications. No solder connections will be allowed. Resistance to ground shall be no more than 25 ohms.

6. Satellite Assembly

a. The number and location of the satellites shall be as shown on the drawings and shall be as manufactured by Rain Master

b. All satellites shall be pre-assembled; hereafter referred to as Satellite Assembly, by John Deere Green Tech in a top entry, SA6 series "Strongbox" stainless steel weatherproof, vandal resistant, lockable enclosure manufactured by V.I.T. Products.

c. The satellite assembly shall consist of a stainless steel enclosure, stainless steel removable backboard, interconnect terminal strips, primary power voltage surge arrester, on/off switch, a ground fault interrupt circuit, ground rod, wire and clamp.

d. The satellite assembly, ***(part # SA6-RM4)*** series shall include a radio communication circuit board for communicating with the central computer by means of the radio system.

e. All outdoor controller requires a fan ***(part # FAN).*** Controller may require a radio high gain antenna ***(part # RHG)*** or a radio flat antenna ***(part # RFL)*** to be designated by the City.

f. The satellite assembly (where applicable) shall include a flow sensing assembly with a normally open master valve ***(part# FSAV series).***

g. The satellite assembly shall include a Rain Master PRO-MAX built-in receiver only with controller access code***, (part # PMR-CAC).***

h. The satellite assembly shall be covered by a five year limited warranty.

Execution of Work

1. Interconnect Conduit

a. The interconnect conduit shall be located within the public right-of-way whenever possible. If the conduit is installed outside of the public right a way, an easement shall be provided to the City prior to installation.

b. Conduit runs shall be installed as shown in the approved plans. The Landscape Architect prior to installation shall approve any changes.

c. The ends of the conduits, whether shop or field cut shall be reamed to removed burrs and rough edges. Cuts shall be made square and true.

d. The ends of the conduit shall be capped until the pulling of wiring is started.

e. Conduit bends, except factory bends, shall have radii of not less than six times the inside diameter of the conduit.

f. Conduit shall be installed at a depth not less than 18 inches below finished grade.

g. Conduit shall be free of soil and debris.

h. Nylon or polypropylene pull ropes with a minimum tensile strength of 500 pounds shall be installed in all conduits, which are to receive future, interconnect cable. At least 2 feet of pull rope shall be extended beyond each end of the conduit run and secured.

2. Interconnect Conductors

a. All interconnect conductors shall be pulled by hand.

b. A total of 3 feet of cable shall be left at each satellite assembly and pull box. Sufficient slack shall be left to allow the wire to extend 18 inches above the top of the pull box grade.

c. The interconnect wire shall be continuous from satellite to satellite. All splices shall occur within the satellite enclosure unless specifically authorized by the City Landscape Architect. Splices shall be capable of satisfactory operation under continuous submersion in the water.

3. Pull Boxes

a. Pull boxes shall be installed at intervals not to exceed two hundred feet and at all changes in direction and where the conduit crosses a roadway, bridge or railroad track (with a 36-inch loop inside the box).

b. Pull boxes shall be installed in area to be landscaped whenever possible.

c. The bottom of the pull box shall be bedded in crushed rock six inches deep prior to installation of the interconnect cable.

Equipment Supplier Support

1. Review system and plans.

2. Conduct one pre-construction meeting on site, for the contractor and owners' representative.

3. Hook-up communication and flow sensor cable inside the assembly.

4. Test to verify proper grounding.

5. Field test for proper operation of the assembly components.

6. Communication cable continuity and resistance test.

7. Calibration of assembly flow sensing components (if applicable).

8. Verify equipment conforms to and is installed in accordance with Green Tech and Manufacturers specifications and recommendations.

9. Perform functional test of system from a computer.

10. Provide written certification letter. *The contractor is required to provide the Landscape Architect with a written certification letter by Green Tech, at final acceptance.*

11. *The Contractor shall provide the Landscape Architect with two (2) copies of owner's operating manuals with complete operational instructions and special tools for equipment at final acceptance.*

12. *Record Drawings. The Contractor shall provide the Landscape Architect with three (3) copies of record drawings at final acceptance.*

13. Connections – All connections shall be made with appropriate connectors. Phone couplers shall be used for water tight connection.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing the Irrigation Central Control System as shown on the plans, as specified in Section 36-25 of the Standard Specifications, in these Special Provisions and as directed by the Landscape Architect.

Item No. 64 - Automatic Irrigation System

This item shall consist of furnishing and installing an Automatic Irrigation System as shown on the drawings in conformance with the applicable paragraphs of Sections 10 and 36 of the Standard Specifications and these Special Provisions.

A. Backflow Prevention Assembly shall conform to Sections 36-9, 10-49 and Standard Drawing No. "W-606" or "W-607" of Section 38 of the Standard Specifications.

CAUTION: Backflow Assembly Manufactured by the "Ames Fire and Waterworks Company" will not be approved

Models: COLT SERIES 200A, 300A, and MAXIM SERIES 400, 500.
These assemblies cannot be maintained or repaired if the assembly body is painted. The contractor will not paint over or cover the manufacturer's identification plate and the Backflow Assembly Serial Number.

B. Water Tap and Meter shall conform to Section 36-5 of the Standard Specifications. The water tap and meter shall be installed by the City Department of Utilities. Size of tap is shown on the plans, and Meter and Backflow prevention Assembly shall be same size as tap. For tap and meter information contact the City of Sacramento, Department of Utilities, located at 300 Richards Blvd., (916) 808-5454. Contractor shall allow 60 days for installation of water tap and meter.

C. Electric Control Valves shall conform to Section 36-13 of the Standard Specifications. Electric control valves shall Hunter brass model IBV, or approved equal, and shall be constructed as specified in Section 10-50 of the Standard Specifications. Lawn and shrub area valves shall be installed at grade.

D. Gate Valves shall be constructed of all brass as specified in Section 10-51 of the Standard Specifications and shall be lead free and shall be manufactured by Nibco, or approved equal and as shown on the plans and shall be installed at the locations as

shown on the plans. Plastic gate valves are not acceptable. Valves shall be installed at finished grade in a concrete valve box with locking cover.

E. Master Valve shall be as shown on the plans and per Standard Drawing No. "L-20" of Section 38 of the Standard Specifications. Install per details and manufacturer's specifications. Pull four additional wires in different colors from controller to master valve.

F. Dual Master Valve shall be normally closed with 24 V solenoid and a bypass master valve normally open. Master Valve's sizes and type as shown on the plans as directed by John Deere Green Tech. Install per details and manufacturer's specifications. Pull four additional wires in different colors from controller to master valve.

G. Dual Flow Sensor and Output Transmitter: Install the flow sensors as per the plans and per John Deere Green Techs specifications. Pulse output transmitter shall be installed per the manufacturer's specifications.

H. POC Assembly shall be as shown on the plans. Coordinate specific model number and available options with the City prior to order.

I. Valve Boxes shall be installed in conformance with Section 10-52 of the Standard Specifications and as shown on the plans.

J. Electrical shall conform to Section 34 of the Standard Specifications.

K. Irrigation Control Wires shall conform to Sections 10-48 and 36-12 of the Standard Specifications. Trench for irrigation control wires through existing lawn shall be twenty-four inches (24") deep. Trenching for irrigation control wires through existing paved areas shall conform to Section 34-9 of the Standard Specifications.

i. Irrigation Control Wires shall be color coded to the use listed below and follow the colors associated with them.
a. Full Rotor - Red Wire
b. Part Rotor - Green Wire
c. Spray Heads - Yellow Wire
d. Bubblers - Blue Wire
e. Common Wire - White Wire

L. Quick Coupling Valves shall be by Hunter or approved equal as specified in the plans, or approved equal. Quick coupling valve shall be constructed of brass with a locking yellow thermoplastic rubber cover with "DO NOT DRINK" markings. Quick Coupling valve shall be installed as shown on the plans in conformance with Section 10-53 of the Standard Specifications (the following shall be disregarded in the Standard Specifications "...single slot type with one inch (1") threaded pipe connection and one (1") key connection..." Valve box shall be installed with the top at finished grade. *Four (4) quick coupler keys shall be provided to the Landscape Architect at final acceptance.*

M. Plastic Irrigation Pipe Fittings shall conform to Section 10-46 of the Standard Specifications with the following addition: All fittings on the upstream of the valve shall be schedule 80 PVC and all of the fittings downstream of the irrigation valve shall be schedule 40 PVC.

N. Main Line Pipe shall conform to Section 10-44 of the Standard Specifications and be amended as follows: Main line shall be schedule 40 solvent weld for lines 2" and smaller and class 315 PVC for lines 2½" and larger shall be PVC rubber ring and gasket. Main line pipes 2" and larger shall have concrete thrust blocking in conformance with Section 27-6 and Standard Drawing No. "W-103" of Section 38 of the Standard Specifications. The contractor shall pressure test the irrigation main line with the Landscape Architect present. The pressure test shall consist of the contractor pressurizing the mainline to 150 PSI for two hours with zero pressure loss with either the Landscape Architect or Landscape Architect present.

O. Lateral Line Pipe or pipe on the discharge side of the irrigation control valve shall be Class 200 solvent weld PVC pipe and shall conform to Section 10-44 of the Standard Specifications, except as previously amended.

P. Trench Backfill shall be installed at no more than 6" lift and each lift shall be compacted to 85% relative density in landscaped areas and compacted to 95% within future paving areas. Mainline trenches shall also have 3" of sand below the mainline and 6" of sand above the conduit.

Q. PVC Primers and Solvent welded - PVC pipes will require the following primer and solvent glue applications. Primer shall consist of Weld-On P-70 Industrial Grade Primer and the PVC Solvent Cement shall be Weld-On 711 Heavy Bodied Cement, or approved equal. The primer and solvent cement shall be installed per manufactures specifications.

R. Sprinklers shall be installed at the locations shown on the plans, in conformance with Standard Drawing No. L-50 of Section 38 of the Standard Specifications. Sprinklers shall be the type and model as shown on the plans.

S. Ball Valve Assembly shall be installed at the locations shown on the Plans. Ball Valve Assembly shall be constructed of all brass as specified in Section 10-51 of the Standard Specifications and shall be the type and model as shown on the plans. Plastic ball valves are not acceptable. Valves shall be installed at finished grade in a concrete valve box with locking cover.

T. Backflow Preventer Steel Enclosure: Shall be Placer Waterworks model #PW/E1A1-M insulated backflow preventer enclosure or approved equal. Color shall be green. Available through Pacer Waterworks, Inc. (916) 773-2959, FAX (916) 773-2958.

U. Electronic Marker System shall conform to Section 10-54 of the Standard Specifications, except as amended by the following: no marker locators will be required by the Contractor. Contractor shall supply only enough markers for use in new irrigation system. The markers shall be fastened to the underside of the valve box cover of buried lawn area valves only. The marker shall be 3M EMS Mini-Marker – Water, model 1257.

V. Irrigation Sleeves – Shall conform to the Standard Specifications 36-8. The minimum diameter of the sleeve shall be at least two times the diameter of the conduit going through the sleeve. The sleeve shall extend a minimum of 1' beyond the edge of the paving.

W. Freeze Blanket Protection shall required for the Irrigation Backflow Preventer and shall be industrial strength.

X. Wire Splices shall be made with a splice kit (part # DBY/Y-6).

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing the Automatic Irrigation System as shown on the plans, as specified in Section 36-25 of the Standard Specifications, in these Special Provisions and as directed by the Landscape Architect.

Item No. 65 – Soil Preparation and Finish Grading

This item shall consist of Soil Preparation and Finish Grading for the landscape planting areas shown on the plans in conformance with sections 35 and 36 of the Standard Specifications and these Special Provisions.

E. Preparing Planting Area shall conform to Section 35-5.

B. Soil Preparation Materials shall conform to Section 10-39, 10-40, 10-41, 35-8 of the Standard Specifications.

1. *Contractor shall submit soil fertility analysis upon completion of rough grading for approval and application of required amendments and fertilizers.* Soils fertility analysis shall evaluate the following: micronutrient content, macronutrient content, pH level, saturation percentage, soil texture, infiltration rate, conductivity, total dissolved salts, cation exchange capacity, Sulfur or Lime levels, Gypsum levels, Sodium absorption ratio, exchangeable Sodium percentage, organic matter and recommendations based on analytical results.

2. Soil conditioner shall be cultivated into the top twelve inches (12") of the soil and thoroughly watered in. Contractor shall provide proof of soil conditioner application to the Landscape Architect.

C. Compact Soil in planting areas to 85% relative compaction in accordance with ASTM D1557-78.

D. Fine Grade all planting areas to a smooth, loose and uniform surface. Eliminate uneven areas, ridges and depressions.

E. Shrub/Ground Cover Planting Area shall be graded three and one-half (3-1/2) inches below adjacent paved areas, sidewalks, valve boxes, mow strips, drains, etc. I order to receive three (3) inches depth of mulch, establishing final grade one-half (1/2) inches below these surfaces.

F. Turf Area shall be graded ½" in hydroseed, 1" in sod, below adjacent paved area, sidewalks, valve boxes, mow strips, drains etc. in order to receive turf, establishing final grade flush with these surfaces.

G. Soil Preparation and Finish Grade shall be approved by the Landscape Architect upon completion of grading operations.

Payment shall be made at the lump sum price and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals and for doing all work involved in Soil Preparation and Finish Grading as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 66 – Landscape Weed Block Fabric

This item shall consist of furnishing and installing Landscape Weed Block Fabric under all bark mulch in all planted areas in conformance with the Standard Specifications and as amended by these Special Provisions.

A. Landscape Weed Fabric shall be DeWitt Weed Barrier Landscape Fabric, 3.5 ounce, 12 yr, Color Brown, UV treated, spunbonded fabric or approved equal. Contact DeWitt Company 1-800-888-9669, or dewittcompany.com.

B. Metal Anchor Pins shall be by Dewitt or approved equal. Contact DeWitt Company 1-800-888-9669, or dewittcompany.com.

C. Landscape Weed Fabric shall be held in place by the use of staples or fasteners along all corners and seams at approximately 10' O.C. or closer as required to hold Landscape fabric in place. No staples or fasteners shall be placed within the shrub or groundcover root ball.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in Landscape Weed Block Fabric as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 67 – Bark Mulch

This item shall consist of furnishing and installing Bark Mulch in all planted areas in conformance with Sections 10 and 35 of the Standard Specifications and as amended by these Special Provisions.

A. Mulch shall be evenly spread in all planter areas as specified on the plans. Mulch shall be Medium Walk on Bark, consisting of shredded Douglas fir, Red fir or white fir, fibrous in nature, four inch (4") minimum to four-inch (4") maximum in length, available from Redi-Gro, or approved equal. Contractor shall submit a mulch sample to the Landscape Architect for approval at least forty-eight (48) hours prior to installation.

A. Mulch shall conform to the applicable paragraphs of Section 35-6. Mulch shall be evenly spread in all shrub and groundcover areas. **Mulch shall be at a three-inch (3") finished depth at the time of acceptance by the City and shall be free of deleterious material.**

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in Bark Mulch as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 68 & 69 – 24" Box & 15-Gallon Tree

This item shall consist of furnishing, preparing and planting 24" Box & 15-Gallon Tree in conformance with Sections 10 and 35 of the Standard Specifications and as amended by these Special Provisions.

A. Preparing of Planting Areas shall conform to Section 35-5 of the Standard Specifications.

Soil in lawn areas adjacent to paved areas shall be graded so that after settlement, the soil will be one half inch (1/2") below the top of the paving.

C. Weed Control shall conform to Section 35-6 of the Standard Specifications.

D. Trees and Planting Materials shall conform to Section 35-7 of the Standard Specifications, except where noted.

1. Trees quality and size shall comply with current edition of "American Standard for Nursery Stock" as adopted by the American Association of Nurseryman.

2. Plant Schedules shown on the plans are for the Contractor's convenience only. The Contractor shall confirm all quantities and shall plant as required by the Planting Plan when discrepancies exist.

3. Tree Stake shall be pressure-treated lodgepole pine, eight foot (8') by two inch (2") diameter.

4. Nursery Stakes shall be removed at the time of planting. No nursery stake shall be present prior to final acceptance unless other directed by the Landscape Architect.

5. Tree Ties shall conform to Section 35-7, paragraph G with the exception of the ties shall be rubber and attached per planting detail.

6. Mulch shall conform to the applicable paragraphs of Section 35-8. Mulch area shall be a four foot (4') diameter circle from the tree base in turf and shrub areas.

Payment shall be made at the lump sum price bid, and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing the 24" Box and 15-Gallon Tree as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 70 - Shrub and Groundcover Areas

This item shall consist of furnishing, preparing and planting Shrub and Groundcover Areas in conformance with Sections 10 and 35 of the Standard Specifications and as amended by these Special Provisions.

A. Preparing of Planting Areas shall conform to Section 35-5 of the Standard Specifications.

Soil in Shrub and Groundcover areas adjacent to paved areas shall be graded so that after settlement, the soil will be three inches (3") below the top of the adjacent paving or curb.

B. Weed Control shall conform to Section 35-6 of the Standard Specifications.

C. Soil Preparation Materials shall conform to Section 10-39, 10-40, 10-41, 35-8 of the Standard Specifications.

1. Soil Conditioner/Fertilizer Contractor shall submit soil fertility analysis upon completion of rough grading for approval and application of amendments. Soils fertility analysis shall evaluate the following: micronutrient content, macronutrient content, pH level, saturation percentage, soil texture, infiltration rate, conductivity, total dissolved salts, cation exchange capacity, Sulfur or Lime levels, Gypsum levels, Sodium absorption ratio, exchangeable Sodium percentage, organic matter and recommendations based on analytical results. Soil conditioner shall be cultivated into the top twelve inches (12") of the soil and thoroughly watered in. Contractor shall provide proof of soil conditioner application to the Landscape Architect.

D. Planting Materials shall conform to Section 10-43 and 35-8 of the Standard Specifications.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing the Shrub and Groundcover Areas as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 71 - Turf Hydroseeding

This item shall consist of furnishing materials, preparing and Turf Hydroseeding areas shown on the Plans in conformance with Sections 10 and 35 of the Standard Specifications and as amended by these Special Provisions.

A. Preparing of Planting Areas, Section 35-5 of the Standard Specifications shall be amended as follows: Soil shall be cultivated until the condition of the soil is loose and fine-textured to a depth of four inches (4"). Finish grade of all planting areas shall be reviewed and approved by the Landscape Architect before proceeding with planting.

Soil in lawn areas adjacent to curbs or paved areas shall be graded so that after settlement, the soil will be one-half inch (1/2") below the top of curb or paving.

B. Weed Control shall conform to Section 35-6 of the Standard Specifications.

C. Soil Preparation Materials shall conform to Sections 10-39, 10-40, 10-41, 35-8 of the Standard Specifications.

1. Soil Conditioner/Fertilizer Contractor shall submit soil fertility analysis upon completion of rough grading for approval and application of amendments. Soils fertility analysis shall evaluate the following: micronutrient content, macronutrient content, pH level, saturation percentage, soil texture, infiltration rate, conductivity, total dissolved salts, cation exchange capacity, Sulfur or Lime levels, Gypsum levels, Sodium absorption ratio, exchangeable Sodium percentage, organic matter and recommendations based on analytical results. Soil conditioner shall be cultivated into the top twelve inches (12") of the soil and thoroughly watered in. Contractor shall provide proof of soil conditioner application to the Landscape Architect.

D. Turf Hydroseeding shall conform to Section 10-42, and applicable paragraphs of Section 35-10 of the Standard Specifications and these Special Provisions.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing the Turf Hydroseeding as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 72 – Plant Establishment (90 Days)

This item shall consist of maintaining the landscape planted areas installed in this contract as shown on the plans in conformance with Sections 35-15 through 35-18 of the Standard Specifications and as amended by these Special Provisions.

A. Start of Maintenance Period shall conform to Section 35-15 of the Standard Specifications. As amended by the following: The start of the Maintenance period will not start until SUBSTANTIAL COMPLETION (refer to sections 1-45 and 8-4 of the 2007 City Standard Specifications) of the entire project has been determined by the City Landscape Architect.

B. Watering shall conform to Section 35-13 of the Standard Specifications and these Special Provisions.

C. Plant Replacement shall conform to Sections 35-14 of the Standard Specifications.

D. Plant Establishment period or Landscape Maintenance Period shall conform to Section 35-16 of the Standard Specifications and be amended as follows: ***The Landscape Maintenance Period shall be Ninety (90) Calendar Days*** and shall begin on the date of the Start of Maintenance Period. Plant Establishment and Landscape Maintenance shall continue until final acceptance of the work.

E. Lawn Maintenance shall conform to Section 35-16 of the Standard Specifications. When the lawn reaches three inches (3") in height, the Contractor shall mow it to a height of one and one-half inches (1-1/2"). The lawn shall be mowed thereafter on a weekly basis to a height of one and one-half inches (1-1/2"). Lawn growing around trees, light poles,

fences, and other obstacles shall be maintained at a height equal to that of the adjacent lawn areas, or may be chemically controlled with the approval of the Landscape Architect. Catching of lawn clippings shall not be required. Following a minimum of three (3) mowings the Contractor shall be required to treat the lawn with a selective broadleaf and grass weed herbicide that will not harm the lawn. The Contractor shall conform to Section 35-6 of the Standard Specifications for application of herbicides.

1. Lawn Fertilizer (2nd Application): One week prior to the final inspection the Contractor shall apply to all lawn areas a second application of fertilizer with a 16-6-8, N-P-K analysis, at six (6) pounds per 1,000 square feet.

F. Tree & Shrub Maintenance. Trees and Shrubs shall be pruned and shaped as directed by the Landscape Architect. Trees shall be restaked as necessary. Maintain watering basins and shrub and groundcover areas free of weeds.

G. Pre-Final Inspection shall conform to Section 35-17 of the Standard Specifications and be amended as follows: Seven (7) weeks prior to the end of Maintenance Period, the Landscape Architect and the Landscape Architect shall conduct a pre-final inspection. At the pre-final inspection or at any time thereafter, should the Landscape Architect determine that the project meets the requirements of the final acceptance of the work, he may issue final acceptance of the project to the Contractor.

H. Final Inspection shall conform to Section 35-18 of the Standard Specifications. At the time of final acceptance of the work, any square yard of the planted areas shall be ninety percent (90%) weed free and in a neatly mowed condition, as determined by the Landscape Architect.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing the Plant Establishment (90 Days) as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

III. ADDITIVE ALTERNATE BID ITEMS

Alternate Item No. A1 – Concrete Skate Area (Complete – Concrete, Accessories & Shotcrete)

Skate Area Concrete & Accessories

This item shall consist of furnishing and constructing the Concrete Skate Area (Complete) as shown on the plans in conformance with Sections 10, 17, 19, 24, and 38 of the Standard Specifications, *Geotechnical Report (Refer to Attachments),* and as amended by these Special Provisions.

Contractor must be an experienced installer who has completed skate pavement work similar in material, design, and extent to that as indicated in this section.

A. Installer Qualifications Contractors bidding the skate park structure shall have self-performed; Shotcrete Work, Concrete Work, Pool Coping and Fabricated Metals and

satisfactorily completed the installation of five (5) similar skate park projects in accordance with the project plans and written specifications. Qualifying projects must include concrete skate park structures of comparable size, finishes, bowl depths, coping types and features built within the last six (6) years.

B. Portland Cement Concrete Mix shall be Type II, conforming to Section 10-5 of the Standard Specifications. Fly Ash to be ASTM C 618, Class F or C. Aggregates to be ASTM C 33, Class 4, from a single source, with coarse aggregate, ¾-inch min.; 1-1/2-inches max. nominal. Do not use fine of coarse aggregates containing substances that cause spalling.

Prepare design mixes, proportioned according to ACI 211.1 and ACI 301, for each type and strength of normal-weight concrete determined by either laboratory trial mixes or field experience.

Proportion mixes to provide concrete with the following properties:
Compressive Strength (28-Days): 4000-psi (6.5 sac min.)
Slump Limit: no less than 2-inch and no more than 4-inch.

Add air-entraining admixture at manufacturer's prescribed rate to result in concrete at point of placement having air content as follows within a tolerance of plus or minus 1.5-4.0 percent.

Ready-Mixed Concrete: Comply with requirements and with ASTM C 94 and ASTM C 1116.

When air temperature is between 85-degrees Fahrenheit and 90-degrees Fahrenheit, reduce mixing and delivery time from 1-1/2-hours to 75-minutes; when air temperature is above 90-degrees Fahrenheit, reduce mixing and delivery time to 60-minutes. Do not use concrete that has been in transport or pump hoses for more then 90-minutes from time of initial mix.

Concrete mix design shall be submitted to Inspector for review and approval. Submit concrete mix design and letters from material suppliers certifying that materials comply with the standards referenced herein.

C. Evaporation Retardant and Finishing Aid shall be Burke Film Concentrate, available from WhiteCap Inc. Burk Film Concentrate shall be used in accordance with the manufacture recommendations. All finishing of concrete surfaces must be completed with this product, finishing with water is not allowed.

Submit cut sheets for Evaporation Retardant and Finishing Aid.

D. Edge Form Materials and Screed Construction: Plywood, metal, metal-framed plywood, or other approved panel-type materials to provide full-depth, continuous, straight, smooth exposed surfaces.

Use flexible or curved forms for horizontal curves of a radius 100-feet or less.

Form-Release Agent: Commercially formulated form-release agent with a maximum of 350 mg/L volatile organic compounds (VOCS) that will not bond with, stain, or adversely affect concrete surfaces and will not impair subsequent treatments of concrete surfaces.

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. Forms shall provide a continuous straight, smooth surface. Forms shall be of sufficient thickness to withstand pressure of newly placed concrete without bowing or deflecting.

Moisten wood forms immediately prior to placing concrete. Clean forms after each use and coat with form release agent to ensure separation from concrete without damage.

Check completed formwork and screeds for grade and alignment to the following tolerances:
Top of Forms: Not more than 1/8-inch in ten feet.
Vertical Face on Longitudinal Axis: Not more than 1/8-inch in 10-feet.

E. Steel Reinforcement Bars shall be Number 4, Grade 60 (Grade 420), deformed or per the plan details.

Clean reinforcement of loose rust, oil and mill scale, earth, ice, or other bond-reducing materials.

Deformed steel bars shall be located at 12-inches on center, both directions, cont. throughout the entire structure and as indicted on the plan details. Steel rebar shall extend out from the features for 24-inches, 2-inches above base rock. (Rebar for the flat work shall tie onto the rebar extending for 24-inches from the features.) Lap rebar 24-inches and tie. Stagger joints. Do not heat to bend.

Provide adobe supports for rebar at 36-inches on center. Supports must keep the rebar at 2-inches above base rock and 2-inches below finish surfaces of concrete. Rebar shall be 2-inches away from outside surfaces of concrete in all locations. Rebar shall be free of rust, oil and other deleterious conditions.

F. Fabricated Steel Edging (Coping) shall be schedule 40, 2-3/8-inch outside diameter steel with all connections welded and ground smooth.

All bent plate coping shall be ¼-inch x 2-inch x 2-inch. All bent plate coping must have ¼-inch radius at bend.

Coping shall be located and fabricated as indicated on the Plans and Details. All coping shall be Hot-Dip Galvanized after fabrication. Contact the Construction Manager with any question regarding coping locations.

All field connections shall be constructed with a 4-inch interior sleeve. Weld all connections and grind smooth. Cold galvanize all areas where grinding and welding occur.

SUBMIT TO CONSTRUCTION MANAGER; SHOP DRAWINGS FOR ALL FABRICATED STEEL EDGING AND STEEL ACCESSORIES.

G. Deck Drains shall be "Zurn', Type B, 6-inch diameter, polished bronze strainer with vandal proof screws, or approved equal. Deck drain shall be attached to NO. Z-415 floor drain with 6-inch outlet.

H. Cold Joints: Construct true to line with faces perpendicular to surface planes of concrete. Construct transverse joints at right angles to centerline, unless otherwise indicated. When joining existing pavement, place transverse joints to align with previously placed joints, unless otherwise indicated.

I. Sawcut Joints: Form weakened-plane contraction joints, sectioning concrete into areas of approximately 100-square feet. See Sawcut Plan for locations. Construct sawcut joints to a depth of 1-1/2-inches and as follows:

1. Sawed Joints: Form control joints with power saws equipped with shatterproof abrasive or diamond-rimmed blades within 48-hours of any said pour. Cut 1/8-inch-wide joints into concrete when cutting action will not tear, abrade, or otherwise damage surface and before developing random contraction cracks.

J. Crushed Rock Base shall be ¾-inch: Class II Aggregate Base placed at a minimum depth of 6-inches in all locations to receive concrete or as noted otherwise.

Proof-roll prepared subbase surface to check for unstable areas and verify need for additional compaction. Proceed with pavement only after nonconforming conditions have been corrected and subgrade is ready to receive pavement and sample pour has been approved.

Remove loose material from compacted subbase surface immediately before placing concrete.

The Contractor shall keep the project area as clean as possible during construction. The Contractor shall be responsible to clean up and remove all spillage, overpour, discarded forming material, rejected work or material and all refuse or debris resulting from the installation work.

K. Concrete Placement: Before placing any transitional concrete, the Inspector will inspect the completed formwork installation, screed forms, templates, reinforcement steel, and any other items to be embedded or cast in place.

Moisten subbase to provide a uniform dampened condition at the time concrete is placed. Do not place concrete around manholes or other structures until they are at the required finish elevation and alignment.

Deposit and spread concrete in a continuous operation between transverse joints
When concrete placing is interrupted more than two hours, place a cold joint.

Consolidate concrete by mechanical vibrating equipment supplemented by hand-spading, rodding, or tamping. Use equipment and procedures to consolidate concrete

according to recommendations in ACI 309R. Consolidate concrete along face of forms and adjacent to transverse joints with an internal vibrator. Keep vibrator away from joint assemblies, reinforcement, or side forms. Use only square-faced shovels for hand-spreading and consolidation. Consolidate with care to prevent dislocating reinforcement, dowels and joint devices.

Screed pavement surfaces with a straightedge and strike off. Commence initial floating using bull floats or darbies to form 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.

Concrete paving shall be a minimum of five 5-inches thick in all locations or as indicated per the plan details.

L. Pavement Tolerances: Comply with tolerances of ACI 117 and as follows:

- Elevation: 1/8-inch.
- Thickness: minus 1/4-inch.
- Surface: Gap below 10-foot-long, unleveled straightedge not to exceed 1/4-inch.
- Lateral Alignment and Spacing of Tie Bars and Dowels: 1-inch.
- Vertical Alignment of Tie Bars and Dowels: 1/4-inch.
- Alignment of Tie-Bar End Relative to Line Perpendicular to Pavement Edge: 1/2-inch.
- Alignment of Dowel-Bar End Relative to Line Perpendicular to Pavement Edge.
- Length of dowel 1/4-inch per 12-inches.
- Joint Spacing: 3-inches.
- Contraction Joint Depth: Plus 1/4-inch, no minus.
- Joint Width: Plus 1/8-inch, no minus.
- Plan Dimension 1-inch.
- Vertical Radii: 1/4-inch over length of transition as checked with true template.

M. Concrete Finishing: Wetting of concrete surfaces during screeding, initial floating, or finishing operations is prohibited. The finished surface of all concrete shall be a hard troweled, smooth finish. All horizontal and vertical edges of concrete shall have 1/2-inch radii.
All connections between pours must be absolutely flush and smooth. Grinding finished concrete to achieve the specified finishes will not be accepted.

N. Concrete Protection and Curing: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures.

Apply evaporation retarder to concrete surfaces according to manufacturer's written instructions after placing, screeding, and bull floating or darbying concrete, but before float finishing.

Begin curing after finishing concrete, but not before free water has disappeared from concrete surface.

Apply curing blankets 2-hours after finishing concrete. Overlap blankets two 2-feet all sides.

Maintain ongoing moisture of concrete by drip irrigation lines located under curing blankets. Provide ongoing moisture for a minimum of 14-days per finished area of concrete.

Concrete shall be protected from any traffic for 30-days. The Contractor shall take necessary actions to protect the concrete from any vandalism or damage that may occur as a result of trespassing.

O. Field Quality Control: The Owner's Independent Testing Agency shall sample materials, perform tests, and submit test reports during concrete placement according to requirements specified.

Testing Services: Testing will be performed according to the following requirements:

1. Sampling Fresh Concrete: Representative samples of fresh concrete shall be obtained according to ASTM C172, except modified for slump to comply with ASTM C94.

2. Slump: AASHTO T119; one test at point of placement for each compressive-strength test, but not less than one test for each day's pour of each type of concrete. Additional tests will be required when concrete consistency changes.

3. Air Content: ASTM C173 or AASHTO T152, pressure method; one test for each compressive-strength test, but not less than one test for each day's pour of each type of air- entrained concrete.

4. Concrete Temperature: ASTM C1064; one test hourly when air temperature is 40-degrees Fahrenheit and below and when 80-degrees Fahrenheit and above, and one test for each set of compressive- strength specimens.

5. Compression Test Specimens: ASTM C31; 1 set of 4-standard cylinders for each compressive-strength test, unless otherwise indicated. Cylinders shall be molded and stored for laboratory-cured test specimens unless field-cured test specimens are required.

6. Compressive-Strength Tests: ASTM C39; one set for each day's pour of each concrete class exceeding 5-cubic yards, but less than 25-cubic yards, plus 1-set for each additional 50-cubic yard. 1-specimen shall be tested at 7-days and 2-specimens at 28-days; one specimen shall be retained in reserve for later testing if required.

Nondestructive Testing: Impact hammer, sonoscope, or other nondestructive device may be permitted by the Construction Manager, but will not be used as the sole basis for approval or rejection.
Testing agency shall make additional tests of the concrete when test results indicate slump, air entrainment, concrete strengths, or other requirements have not been met, as directed by Inspector. Testing agency may conduct tests to determine adequacy of concrete by cored cylinders complying with AASHTO 501.24(b), or by other methods as directed.

P. Repairs and Protection: Remove and replace concrete pavement that is broken, under strength, spalling, damaged, or defective, or does not meet requirements in this Section. Protect concrete from damage.

Exclude traffic from pavement for at least 14-days after placement. When construction traffic is permitted, maintain pavement as clean as possible by removing surface stains and spillage of materials as they occur.

Maintain concrete pavement free of stains, discoloration, dirt, and other foreign material.

The Contractor shall remove the curing blankets and the temporary drip irrigation system, as well as hose and sweep concrete pavement not more than two days before date scheduled for Substantial Completion inspections.

Grinding concrete to achieve specified finishes will not be allowed.

Skate Area Shotcrete

This item shall consist of furnishing and constructing the Concrete Skate Area Shotcrete as shown on the plans and in conformance with these Special Provisions. Provide sprayed-on concrete (concrete conveyed into place by air pressure through a flexible tube or gun with controlled nozzle) referred to herein as shotcrete, complete as shown and as specified for skate park radius and banked transition work only.
Contractor must be an experienced installer who has completed skate pavement work similar in material, design, and extent to that as indicated in this section.

A. Installer Qualifications Contractors bidding the skate park structure shall have self-performed; Shotcrete Work, Concrete Work, Pool Coping and Fabricated Metals and satisfactorily completed the installation of five (5) similar skate park projects in accordance with the project plans and written specifications. Qualifying projects must include concrete skate park structures of comparable size, finishes, bowl depths, coping types and features built within the last six (6) years.

If Contractor intends to use an ACI certified Nozzleman for Shotcrete installation other than the Nozzleman who performed work for the required qualifying projects, the Contractor must submit five (5) qualifying projects that the ACI Certified Nozzleman has performed; qualifying project shall be of the same requirements as described herein.

Only the Nozzleman referenced with the bid shall be permitted to perform shotcrete work for the said project. Should the Contractor want to substitute the qualifying Nozzleman of record, with another Nozzleman, the Contractor shall make an application to the City providing all qualifying records of the proposed substitute Nozzleman at least five (5) days in advance of said work. The City shall reserve the right to reject any substitute Nozzleman not meeting the qualifying requirements.

The Skate Park Contractor shall provide references for five (5) qualifying reference projects and proposed Nozzleman including location of qualifying projects, size, owner, and owners contact information.

B. Portland Cement Concrete Mix shall be Type I or II, one brand only. Fly Ash to be ASTM C 618. Aggregates to be ASTM C33 and herein specified. Aggregate shall comply with

gradation No. 2 as shown in ACI 506R Table 2.1 if the contractor can show satisfactory performance of an alternate grading under similar conditions of use, the engineer may waive the requirement for gradation No. 2.

Combined gradation of coarse and fine aggregate as follows:

Sieve Size U.S. Standard Square Mesh	Percent by Weight Passing Individual Sieves
3/8 in	90-100
No. 4	70-85
No. 8	50-70
No. 16	35-55
No. 30	20-35
No. 50	8-20
No. 100	2-10

Batch fine coarse aggregates separately to avoid segregation.

Aggregates shall be free from clay, mud, loam, or other deleterious substances.

Dune sand, bank run sand, and manufactured sand are not acceptable for fine aggregate. Use one source of sand only for entire project.

Coarse aggregate shall be clean, un-coated, heavy media processed aggregate of crushed stone or river washed aggregate.

C. Accessories:

Water: Fresh, clean, potable, and free of deleterious acids, mixing, and curing water, as available from Inspector. Transport as required. Water shall not be used to finish, see admixtures.

Admixtures: Use only accepted admixtures meeting the following requirements:

1. Chemical Admixtures: ASTM C494.
2. Evaporation Retardant and Finishing Aid: Burke Film Concentrate – Available from Whitecap Inc. Burk Film Concentrate shall be used in accordance with the manufacture recommendations. All finishing of concrete surfaces must be completed with this product, finishing with water is not allowed.
3. Air-entraining Admixtures: ASTM C1141. Air entraining prior to shooting shall be 1.5-percent to 3.0-percent with a plus-or-minus 1-percent tolerance.
4. Contractor shall submit cut sheets for all proposed admixtures with the concrete mix design.

D. Design of Concrete Mix:

Prepare design mix to achieve an in-place 28 day compressive strength of 4,000-pounds per square inch and an air content of 4-percent at 28-days. Maximum aggregate size shall not exceed 3/8-inch. Unit weight of in-place shotcrete shall be 494-pounds per cubic yard. Owner will test the proposed mix designs at his/her expense.

Submit for acceptance proportioning and test data from prior experience if available. If data from prior experience are not available or accepted, make and have tested specimens from three or more different mix proportions in accordance with pre-construction testing requirements of this Specification.

Selected mix proportions on the basis of compressive strength tests of specimens shall be cut from the shotcreted sample transition not earlier than 5-days after shotcreting. For mix acceptance purposed, average core strengths shall be at least equal to f'c for cores with L/D of 2.0. For cores with L/D between 1.0 and 2.0, use correction factors given in ASTM C42.

Mix design shall be reviewed for acceptance by the Inspector.

E. Concrete Application Equipment for wet mix Shotcrete.

Mixing Equipment: Capable of thoroughly mixing aggregate, cement and water in sufficient quantity to maintain continuous placement.

Air Supply: Clean air adequate for maintaining sufficient nozzle velocity for parts of work, and for simultaneous operation of blow pipe for cleaning away rebound.

Delivery Equipment: capable of discharging aggregate-cement-water mixture accurately, uniformly, and continuously through delivery hose.

F. Required Curing and Finishing Materials:
Evaporation Retardant and Finishing Aid shall be Burke Film Concentrate, available from WhiteCap Inc. Burk Film Concentrate shall be used in accordance with the manufacture recommendations. All finishing of concrete surfaces must be completed with this product, finishing with water is not allowed.

Non-permeable Burleen curing blankets or approved equal; ASTM C 171.

Potable Water

G. Form Materials: Plywood, metal, metal-framed plywood, or other approved panel-type materials to provide full-depth, continuous, straight, smooth exposed surfaces.
Use flexible or curved forms for horizontal curves of a radius 100-feet or less.

Form-Release Agent: Commercially formulated form-release agent with a maximum of 350 mg/L volatile organic compounds (VOCS) that will not bond with, stain, or adversely affect concrete surfaces and will not impair subsequent treatments of concrete surfaces.

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. Forms shall provide a continuous straight, smooth surface. Forms shall be of sufficient thickness to withstand pressure of newly placed concrete without bowing or deflecting.

Moisten wood forms immediately prior to placing concrete. Clean forms after each use and coat with form release agent to ensure separation from concrete without damage.

Check completed formwork and screeds for grade and alignment to the following tolerances:
Top of Forms: Not more than 1/8-inch in ten feet.
Vertical Face on Longitudinal Axis: Not more than 1/8-inch in 10-feet.

H. Steel Reinforcement Bars shall be Number 4, Grade 60 (Grade 420), deformed or per the plan details.

Clean reinforcement of loose rust, oil and mill scale, earth, ice, or other bond-reducing materials.

Deformed steel bars shall be located at 12-inches on center, both directions, cont. throughout the entire structure and as indicted on the plan details. Steel rebar shall extend out from the features for 24-inches, 2-inches above base rock. (Rebar for the flat work shall tie onto the rebar extending for 24-inches from the features.) Lap rebar 24-inches and tie. Stagger joints. Do not heat to bend.

Provide adobe supports for rebar at 36-inches on center. Supports must keep the rebar at 2-inches above base rock and 2-inches below finish surfaces of concrete. Rebar shall be 2-inches away from outside surfaces of concrete in all locations. Rebar shall be free of rust, oil and other deleterious conditions.

I. Fabricated Steel Edging (Coping) shall be schedule 40, 2-3/8-inch outside diameter steel with all connections welded and ground smooth.

All bent plate coping shall be ¼-inch x 2-inch x 2-inch. All bent plate coping must have ¼-inch radius at bend.

Coping shall be located and fabricated as indicated on the Plans and Details. All coping shall be Hot-Dip Galvanized after fabrication. Contact the Construction Manager with any question regarding coping locations.

All field connections shall be constructed with a 4-inch interior sleeve. Weld all connections and grind smooth. Cold galvanize all areas where grinding and welding occur.

J. Concrete Installation Preparation: Use a form-release agent on removable forms to prevent absorption of moisture and to prevent bond with shotcrete.

K. Concrete Batching and Mixing: Mix proportions shall be controlled by weight batching. Owner's Testing Laboratory shall maintain quality control records during shotcrete production.

L. Concrete Placement: Use suitable delivery equipment and procedures that will result in shotcrete in place meeting the requirement of the Specification. Determine operation procedures for placement in extended distances, and around any obstructions where placement velocities and mix consistency must be adjusted.

Do not place shotcrete if drying or stiffening of the mix takes place at any time prior to delivery to the nozzle.

Control thickness, method of support, air pressure, and/or water content of shotcrete to preclude sagging or sloughing off. Discontinue shotcreting or provide suitable means to screen the nozzle stream if wind or air currents cause separation of the nozzle stream during placement.

Hold nozzle as perpendicular to surface as work will permit, to secure maximum compaction with minimum rebound.

In shotcreting walls, begin application at bottom. Ensure work does not sag.

Layering:

a. Build up layers by making several passes of nozzle over work area.
b. Broom or scarify the surface of freshly placed shotcrete to which, after hardening additional layers of shotcrete are to be bonded. Dampen surface just prior to application of succeeding layers.
c. Allow each layer of shotcrete to take initial set before applying succeeding layers.
d. Use templates fabricated to the specified finish surfaces to insure exact radii from flat bottom of Skate Park to face of coping. Template shall be fabricated from steel or ¾-inch Plywood. Check every horizontal foot when applying shotcrete for conformance of intended wall radii. Brace template and place levels at arc to tangent connections to insure no kinks will be formed. Kinks at the bottom of bowls will not be acceptable. Slumping of the shotcrete causing coping setback will not be acceptable.

Placement around Reinforcement:

a. Hold the nozzle at such distance and angle to place materials behind reinforcement before any material is allowed to accumulate on its face.

b. Test to ascertain if any void or sand pockets have developed around or behind reinforcement by probing with an awl or other pointed tool after the shotcrete has achieved its initial set, buy removal of randomly selected bars, or coring of other suitable standards.

Shotcrete installation crews must have appropriate scaffolding and radial ladders or equal to ensure access for application and finishing of shotcrete.

M. Removal of Surface Defects: Remove and replace shotcrete that lacks uniformity, exhibits segregation honeycombing, or lamination. Or which contains any dry patches, slugs, voids, or pockets. Remove defective areas. Sound work with hammer for voids. Remove and replace damaged in-place shotcrete.

N. Cold Joints: Construct true to line with faces perpendicular to surface planes of concrete. Construct transverse joints at right angles to centerline, unless otherwise indicated. When joining existing pavement, place transverse joints to align with previously placed joints, unless otherwise indicated.

O. Sawcut Joints: Form weakened-plane contraction joints, sectioning concrete into areas of approximately 100-square feet. See Sawcut Plan for locations. Construct sawcut joints to a depth of 1-1/2-inches and as follows:

2. Sawed Joints: Form control joints with power saws equipped with shatterproof abrasive or diamond-rimmed blades within 48-hours of any said pour. Cut 1/8-inch-wide joints into concrete when cutting action will not tear, abrade, or otherwise damage surface and before developing random contraction cracks.

P. Concrete Finish: Smooth hard trowel finish that is uniform and free of kinks and irregularities.

Floated finish on radial face of wall shall consist of a smooth, hard, uniform surface of smooth trowel. Level the transition to a tolerance of ¼-inch in 10-feet when vertical with a radial template using the appropriate radii. If horizontal, use a straight edge. Grinding the surfaces will not be an acceptable means of achieving the intended radii.

All horizontal and vertical edges of concrete shall have ½-inch radii. All connections between pours must be absolutely flush and smooth.

Grinding finished concrete to achieve the specified finishes will not be accepted.

Q. Pavement Tolerances: Comply with tolerances of ACI 117 and as follows:

- Elevation: 1/8-inch.
- Thickness: minus 1/4-inch.
- Surface: Gap below 10-foot-long, unleveled straightedge not to exceed 1/4-inch.
- Lateral Alignment and Spacing of Tie Bars and Dowels: 1-inch.
- Vertical Alignment of Tie Bars and Dowels: 1/4-inch.
- Alignment of Tie-Bar End Relative to Line Perpendicular to Pavement Edge: 1/2-inch.
- Alignment of Dowel-Bar End Relative to Line Perpendicular to Pavement Edge.
- Length of dowel 1/4-inch per 12-inches.
- Joint Spacing: 3-inches.
- Contraction Joint Depth: Plus 1/4-inch, no minus.
- Joint Width: Plus 1/8-inch, no minus.
- Plan Dimension 1-inch.
- Vertical Radii: 1/4-inch over length of transition as checked with true template.

R. Concrete Protection and Curing: Protect freshly placed shotcrete from premature drying and excessive cold or hot temperatures.

Apply evaporation retarder to concrete surfaces according to manufacturer's written instructions after placing, screeding, and bull floating or darbying concrete, but before float finishing.

Begin curing after finishing concrete, but not before free water has disappeared from concrete surface.

Apply curing blankets 2-hours after finishing concrete. Overlap blankets two 2-feet all sides.

Maintain ongoing moisture of concrete by drip irrigation lines located under curing blankets. Provide ongoing moisture for a minimum of 14-days per finished area of concrete.

Concrete shall be protected from any traffic for 30-days. The Contractor shall take necessary actions to protect the concrete from any vandalism or damage that may occur as a result of trespassing.

Remove and replace concrete pavement that is broken, under strength, spalling, damaged, or defective, or does not meet requirements in this Section.

Drill test cores where directed by Testing Agency when necessary to determine magnitude of cracks or defective areas. Fill drilled core holes in satisfactory pavement areas with Portland cement concrete bonded to pavement with epoxy adhesive.

Maintain concrete pavement free of stains, discoloration, dirt, and other foreign material.

The Contractor shall remove the curing blankets and the temporary drip irrigation system, as well as hose and sweep concrete pavement not more than 2- days before date scheduled for Substantial Completion inspections.

Grinding concrete to achieve specified finishes will not be allowed.

S. Field Quality Control: The Owner's Independent Testing Agency shall sample materials, perform tests, and submit test reports during concrete placement according to requirements specified.

Testing Services: Testing will be performed according to the following requirements:

1. Sampling Fresh Concrete: Representative samples of fresh concrete shall be obtained according to ASTM C172, except modified for slump to comply with ASTM C94.

2. Slump: AASHTO T119; one test at point of placement for each compressive-strength test, but not less than one test for each day's pour of each type of concrete. Additional tests will be required when concrete consistency changes.

3. Air Content: ASTM C173 or AASHTO T152, pressure method; one test for each compressive-strength test, but not less than one test for each day's pour of each type of air- entrained concrete.

4. Concrete Temperature: ASTM C1064; one test hourly when air temperature is 40-degrees Fahrenheit and below and when 80-degrees Fahrenheit and above, and one test for each set of compressive- strength specimens.

5. Compression Test Specimens: ASTM C31; 1 set of 4-standard cylinders for each compressive-strength test, unless otherwise indicated. Cylinders shall be molded

and stored for laboratory-cured test specimens unless field-cured test specimens are required.

6. Compressive-Strength Tests: ASTM C39; one set for each day's pour of each concrete class exceeding 5-cubic yards, but less than 25-cubic yards, plus 1-set for each additional 50-cubic yard. 1-specimen shall be tested at 7-days and 2-specimens at 28-days; one specimen shall be retained in reserve for later testing if required.

Impact hammer, sonoscope, or other nondestructive device may be permitted by the Construction Manager, but will not be used as the sole basis for approval or rejection.

Testing agency shall make additional tests of the concrete when test results indicate slump, air entrainment, concrete strengths, or other requirements have not been met, as directed by Inspector. Testing agency may conduct tests to determine adequacy of concrete by cored cylinders complying with AASHTO 501.24(b), or by other methods as directed.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in constructing the Concrete Skate Area (Complete - Concrete, Accessories and Shotcrete) as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Alternate Item No. A2– Shade Shelter at Community Garden, Skate Area & Seating Area

This item shall consist of providing and installing **One (1) Metal Roofed Shade Shelter at the community garden and Two (2) Fabric Shade Canopies at the Skate Area and Seating Area** as shown on the plans and in conformance to these Special Provisions and manufacturer's specifications.

A. Metal Roofed Shade Structure at the Community Garden shall be as shown on plans or approved equal, with multi-rib, two-tiered metal panel roof, decorative ornamentation and steel columns.

B. Fabric Shade Canopy at the Skate Area and Seating Area shall be as shown on plans or approved equal, 4 powder coated steel post standard structure with hip shaped fabric roof attached to posts with adjustable turnbuckle cable system. (1) ea. – 14'x20' size canopy.

C. Concrete Footings shall be installed as specified by the manufacturer and shall be Type II Class "D" Portland Cement Concrete, conforming to Paragraph 10-5 of the Standard Specifications.

D. Height Dimensions: As shown on plans.

E. All Frames shall be structural steel tube sized according to the manufacturer's structural engineering plans. Petal frame color powder-coat RAL 1003, Stem color: RAL 6018, Flower Center RAL 2003.

F. Steel Flower Columns shall be structural steel tube sized according to the manufacturer's structural engineering plans. Color shall be as noted on plans.

G. Fabric shall be a durable synthetic fire retardant fabric designed for use in tension shade products. Fabric shall provide a minimum of 95% UV protection. Color shall be Yellow-PolyTex.

H. All Fasteners shall be as supplied and specified by the manufacturer.

I. All steel members shall be powder-coated.

J. Column locations shall be staked on site prior to ordering in order to verify that column locations will not interfere with the play equipment fall zones. The Contractor shall provide documentation from a NPSI Landscape Architect that the proposed column locations will not interfere with the fall zones. In the event that the dimensions shown on the plan result in an interference with the fall zone, the Contractor shall bring this to the attention of the Owner's Representative and Landscape Architect. Upon completion of the installation, the NPSI Landscape Architect shall provide documentation stating that the shade canopy does not interfere with the play equipment fall zones.

K. In the event that the concrete curbing or flatwork is damaged during the installation of the shade structure, the contractor shall replace the concrete to its original condition at no additional expense to the City.

L. *The City has submitted the structural engineering drawings and calculations for the structure noted on the plans to the Building Department for permit issuance (refer to Attachments). Should the contractor elect to propose a substitution, it is his or her responsibility to submit structural drawings and calculations to the Building Department for approval at no additional cost to the City. No contract time extension will be given to accommodate a substitution.*

M. *The contractor shall contact the Building Department directly for all required inspections. The contractor is responsible for coordinating and obtaining all required signatures including the final inspection signature to finalize the Building Department permit. The Contractor shall provide the Landscape Architect with the finalized Building Department permit at final acceptance.*

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in completing **One (1) Metal Roofed Shade Shelter at the community garden and Two (2) Fabric Shade Canopies at the Skate Area and Seating Area** as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Alternate Item No. A3– Demostration Garden, Bocce Ball Court & Fitness Station

This item shall consist of furnishing all labor, materials, equipment and perform all operations necessary for the completion of the Demonstration Garden, Bocce Ball Court & Fitness Station as shown on the Plans. Work includes all excavation, footings, materials, planting, accessories,

hardware, piping and accessories in accordance with the drawings, specifications, these Special Provisions and the manufacturer's specifications.

Demonstration Garden

This item shall consist of furnishing all labor, materials, equipment and perform all operations necessary for the completion of the Demonstration Garden as shown on the Plans. Work includes all excavation, footings, materials, planting, accessories, hardware, piping and accessories in accordance with the drawings, specifications, these Special Provisions and the manufacturer's specifications.

A. Product Submittals: Contractor shall submit 6 copies of related accessories for approval before beginning work. Submit manufacturer's product data for garden features and components.

B. Deliver materials and accessories to job site in an undamaged condition. Inspect all items for unacceptable deliver conditions. Return damaged or non-conforming items to manufacturer for replacement. The contractor will be responsible for receiving and storing materials and accessories until installed.

C. Interpretive Sign at Demonstration Garden shall be as shown on the plans and details. Sign post and frame shall be powder coated black.

   Interpretive Sign Panel to be supplied by the City and installed by the contractor.

   Concrete Footings shall be installed as specified by the manufacturer and shall be Type II Class "D" Portland Cement Concrete, conforming to Paragraph 10-5 of the Standard Specifications.

   Mounting Hardware – Shall be provided by contractor and shall be galvanized and tamper proof.

   Concrete Pad shall be paid for under "Concrete Flatwork", of these Special Provisions.

D. Identification Sign Post at Demonstration Garden shall be as shown on the plans and details. Post to be 6" square pressure treated.

E. Landscape Boulders shall be as shown on the plans and details. Boulders to be buried to 1/3 depth.

F. Automatic Irrigation System: Refer to Item No. 64

G. Soil Preparation and Finish Grading: Refer to Item No. 65

H. Landscape Weed Block Fabric: Refer to Item No. 66

I. Bark Mulch: Refer to Item No. 67

J. Shrub and Groundcover Area: Refer to Item No. 70

K. Plant Establishment: Refer to Item No.72

Bocce Ball Court

This item shall consist of furnishing and installing a Bocce Ball Court in lieu of turf planting and irrigation as shown on the plans, in conformance with these Special Provisions and the manufacturer's specifications.

A. Concrete Flatwork shall be Portland Cement Concrete Class "C" conforming to Section 10-5 of the Standard Specifications.

B. Concrete Footings shall be Portland Cement Concrete Type II, Class "D" as specified in Section 10-5 and installed as shown on the plans in conformance with Section 20 of the Standard Specifications.

C. Court Playing Surface shall be installed as shown on the plans and in conformance to manufacturer's specifications.

D. Backboards shall be constructed as shown on the plans. All members shall be sized as shown on the plans.

E. Bolts, Nuts, and Washers shall be zinc cromate plated or galvanized and sized and installed as shown on the plans.

Fitness Station

This item shall consist of furnishing and installing Fitness Station as indicated on the Plans adjacent to the perimeter jogging trail in conformance with these Special Provisions and the manufacturer's specifications and details.

A. Fitness Stations shall be as indicated on Plans, or approved equal. Equipment to be installed per manufacturer's specifications.

B. Concrete Footings shall be installed as specified by the manufacturer and shall be Type II Class "D" Portland cement Concrete, conforming to Section 10 of the Standard Specifications.

C. Concrete Flatwork shall be Portland Cement Concrete shall be Type II Class "D", conforming to Section 10 of the Standard Specifications. Install concrete flatwork following provisions indicated in the "Concrete Flatwork" section of these Special Provisions.

D. **ALL Bolts** shall be installed as specified by the manufacturer and shall be provided by the Contractor. All exposed bolts shall be cut to 3 exposed threads and all anchor bolts/ nuts shall be tack welded and all remaining exposed bolts / nuts shall be tightened and secured with Loctite Adhesive, red 271 for a permanent installation.

Payment shall be made at the lump sum price bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in the Demonstration Garden, Bocce Ball Court and Fitness Station as shown on the plans, as specified in these Special Provisions, and as directed by the Landscape Architect.

CITY OF SACRAMENTO

DEPARTMENT OF PARKS AND RECREATION
LANDSCAPE ARCHITECTURE SECTION

CONSTRUCTION PLANS FOR:

WILD ROSE PARK

PARK IMPROVEMENTS

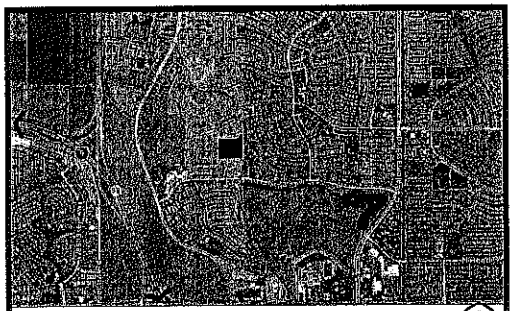
5200 KANKAKEE DRIVE

PROJECT NUMBER: L19.1870.01

PARCEL NO.: 201-1250-002-0000

WDID:_____

TOTAL AREA DISTURBED: 9.9 ACRES



VICINITY MAP

NOT TO SCALE

NORTH

LOCATION MAP

SCALE 1" = 300'

NORTH

GENERAL NOTES

1. COORDINATION OF CONTRACT DOCUMENTS: REFER TO SECTION 5-3 COORDINATION OF CONTRACT DOCUMENTS OF THE CITY OF SACRAMENTO STANDARD SPECIFICATIONS FOR PUBLIC CONSTRUCTION DATED JUNE 2007 INCLUDING ALL APPLICABLE ADDENDA AND MEMORANDA.
2. TRAFFIC CONTROL REQUIREMENT: REFER TO SECTION 6-10 TRAFFIC CONTROL REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
3. EXISTING FACILITIES: REFER TO SECTION 13 EXISTING FACILITIES OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
4. LOCATION AND PROTECTION OF EXISTING UTILITIES: REFER TO SECTION 6-19 MAIN AND TRUNKLINE UTILITIES OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
5. PERMANENT SURVEY MONUMENTS: REFER TO SECTION 6-5 TRENCH SAFETY PLANS OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
6. IF HUMAN BURIALS ARE ENCOUNTERED: ALL WORK IN THE AREA SHALL STOP IMMEDIATELY AND THE SACRAMENTO COUNTY CORONERÖS OFFICE SHALL BE NOTIFIED IMMEDIATELY. IF THE REMAINS ARE DETERMINED TO BE NATIVE AMERICAN IN ORIGIN, BOTH THE NATIVE AMERICAN HERITAGE COMMISSION AND ANY IDENTIFIED DESCENDANTS MUST BE NOTIFIED AND RECOMMENDATIONS FOR TREATMENT SOLICITED. PURSUANT TO: CEQA SECTION 15064.5; HEALTH AND SAFETY CODE SECTION 7050.5; PUBLIC RESOURCES CODE SECTION 5097.94 AND 5097.98.
7. TRENCH SAFETY PLANS: REFER TO SECTION 6-8 TRENCH SAFETY PLANS OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
8. PROTECTION OF WORK, PERSONS AND PROPERTY AGAINST DAMAGE: REFER TO SECTION 7-7 PROTECTION OF WORK, PERSONS AND PROPERTY AGAINST DAMAGE OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
9. RECORD DRAWINGS: REFER TO SECTION 5-8 RECORD DRAWINGS OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
10. LAWS, REGULATIONS: REFER TO SECTION 6-1 LAWS TO BE OBSERVED AND SECTION 6-2 CERTAIN LAWS AFFECTING THE WORK OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR REQUIREMENTS.
11. UTILITIES: THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL EXISTING UTILITIES AND PROTECTING AND REPAIRING DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (1-800-642-2444) TWO WORKING DAYS PRIOR TO WORK COMMENCEMENT.

CA 800-642-2444

SHEET INDEX

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LAYOUT PLAN	L1.2
LAYOUT PLAN	L1.3
LAYOUT ENLARGEMENT PLAN	L1.4
LAYOUT ENLARGEMENT PLAN	L1.5
LAYOUT ENLARGEMENT PLAN	L1.6
PATH OF TRAVEL PLAN	L1.7
EROSION CONTROL PLAN	L2.0
EROSION CONTROL PLAN	L2.1
GRADING PLAN	L2.2
GRADING PLAN	L2.3
GRADING PLAN	L2.4
GRADING PLAN	L2.5
UTILITIES PLAN	L3.1
UTILITIES DETAILS	L3.2
IRRIGATION PLAN	L4.1
IRRIGATION PLAN	L4.2
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PLANTING PLAN	L5.1
PLANTING PLAN	L5.2
SOILS ANALYSIS	L5.3
CONSTRUCTION DETAILS	L6.1
CONSTRUCTION DETAILS	L6.2
CONSTRUCTION DETAILS	L6.3
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CONSTRUCTION DETAILS	L6.5
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ONE-LINE DIAGRAM, ELEVATION	E2.1
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SKATE PARK PLANS	SP-2.0-2.3 & SP-3.0
SKATE PARK DETAILS	SP-4.0-4.3
WATER PLAY AREA LAYOUT	WP-1

CITY REPRESENTATIVE:

TIN-WAH WONG
LANDSCAPE ARCHITECT, CRLA #4972
CITY OF SACRAMENTO, DEPARTMENT OF PARKS AND RECREATION
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 3RD FLOOR
SACRAMENTO, CA 95814
TELEPHONE: (916) 808-5540 FAX (916) 808-8266

APPROVED BY:

JAMES COMBS, DIRECTOR — 11/5/13 (DATE)
DEPARTMENT OF PARKS AND RECREATION

C. Gary Hyden — 11/4/13
C. GARY HYDEN, SUPERVISING LANDSCAPE ARCHITECT #1741 (DATE)
DEPARTMENT OF PARKS AND RECREATION

Shannon Brown — 11/4/13
SHANNON D. BROWN, PARKS OPERATIONS MANAGER (DATE)
DEPARTMENT OF PARKS AND RECREATION

APPLICANT SIGNATURE (DATE)

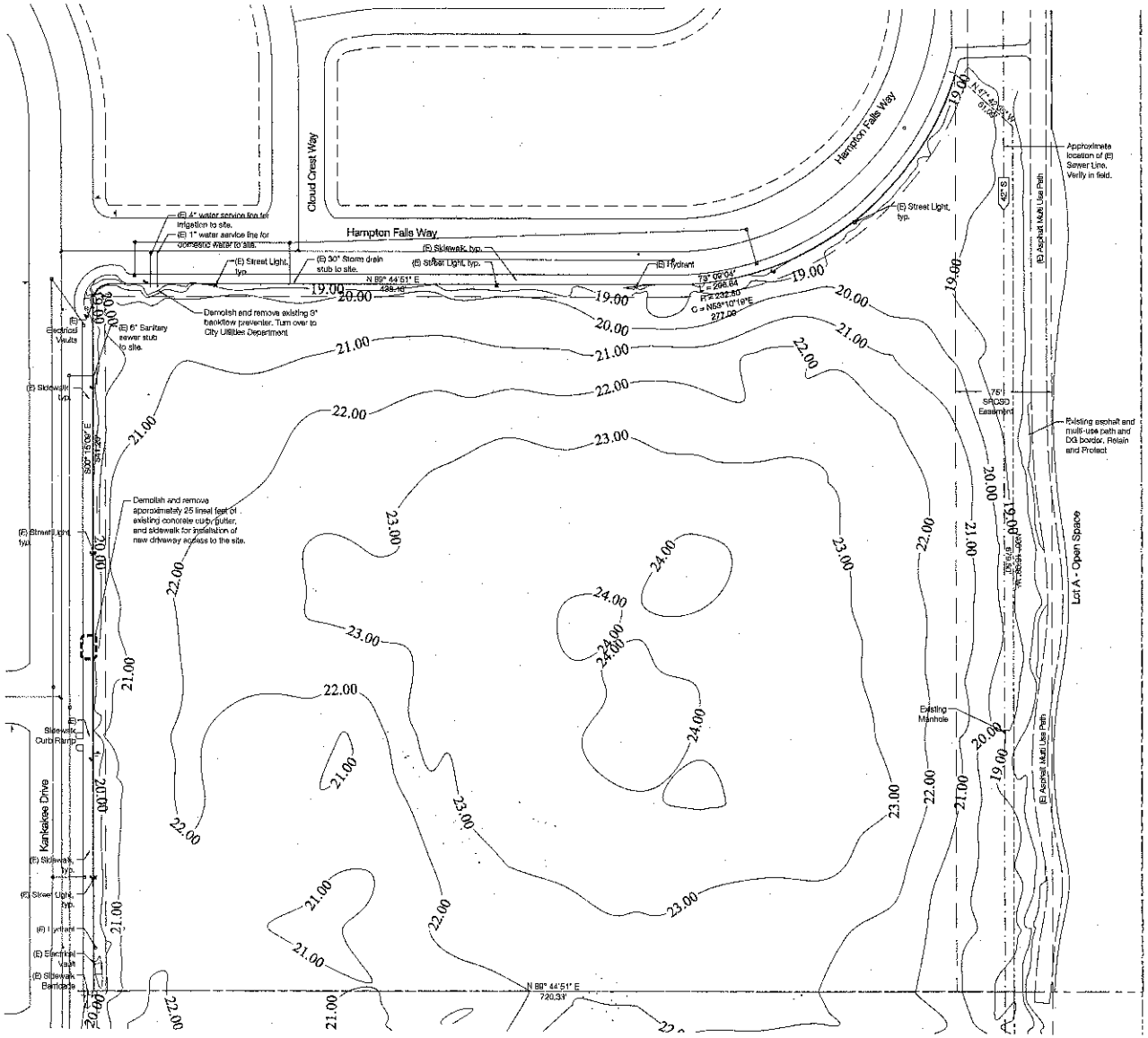
Bid Set

CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK
SACRAMENTO, CA
COVER SHEET

LANDSCAPE ARCHITECT: GFH
DESIGN BY/DRAWN BY: GFH / AB
CAD FILE
DATE: OCT. 25, 2013
SCALE: AS SHOWN
P. N.: L19.1870.01
REVISIONS

SHEET NO. C



Existing Conditions and Demolition Notes

1. The Contractor shall perform all clearing, demolition, removal of obstructions and site preparation necessary for the proper execution of all work contained in the Contract Documents.
2. The Contractor shall visit the site prior to Bid to determine the extent and depth of site demolition required and verify compliance with drawings.
3. The Contractor shall verify the locations of all existing utilities, structures and services before commencing work. The locations of utilities, structures and services shown in the Contract Documents shall be deemed to be approximations only. Contractor is required to coordinate their temporary disconnection, protection, removal, and/or storage as may be required during construction. Discrepancies between what is shown and the actual field conditions shall be reported to the Owner. Call USA to locate existing utilities at 811 prior to any demolition or excavation.
4. Symbols shown on plan may not represent actual size of structures. Verify in field exact locations and sizes.
5. Existing items are to remain unless otherwise noted. The Contractor shall be responsible for repairing or replacing, at Contractor's expense, any existing item damaged or destroyed by construction operations. Contractor shall also be responsible for repairing or replacing any damages to adjacent properties. The damaged items shall be restored to an "as-was" or better condition or replaced per the discretion of the Owner.
6. Demolition shall include the removal of item and any foundation of structural support related to said item. For plant material this shall include stumps and roots over 2 inches in diameter. Disposal shall be off-site in a legal manner acceptable to the Owner and on compliance with all Federal, State and Local codes and ordinances.
7. Refer to specifications for additional clearing, grubbing, topsoil stockpiling and other pertinent information.
8. Refer to Improvement Plans for The Haptons Village 6 for additional information regarding the project site.

0' 40' 80' 120'
Scale 1"=40'-0"
PN10412

Bid Set

The HLA Group
Landscape Architects & Planners, Inc.
2880 Capitol Avenue, Suite 120
Sacramento, California 95816
916.447.7480
www.hlagroup.com

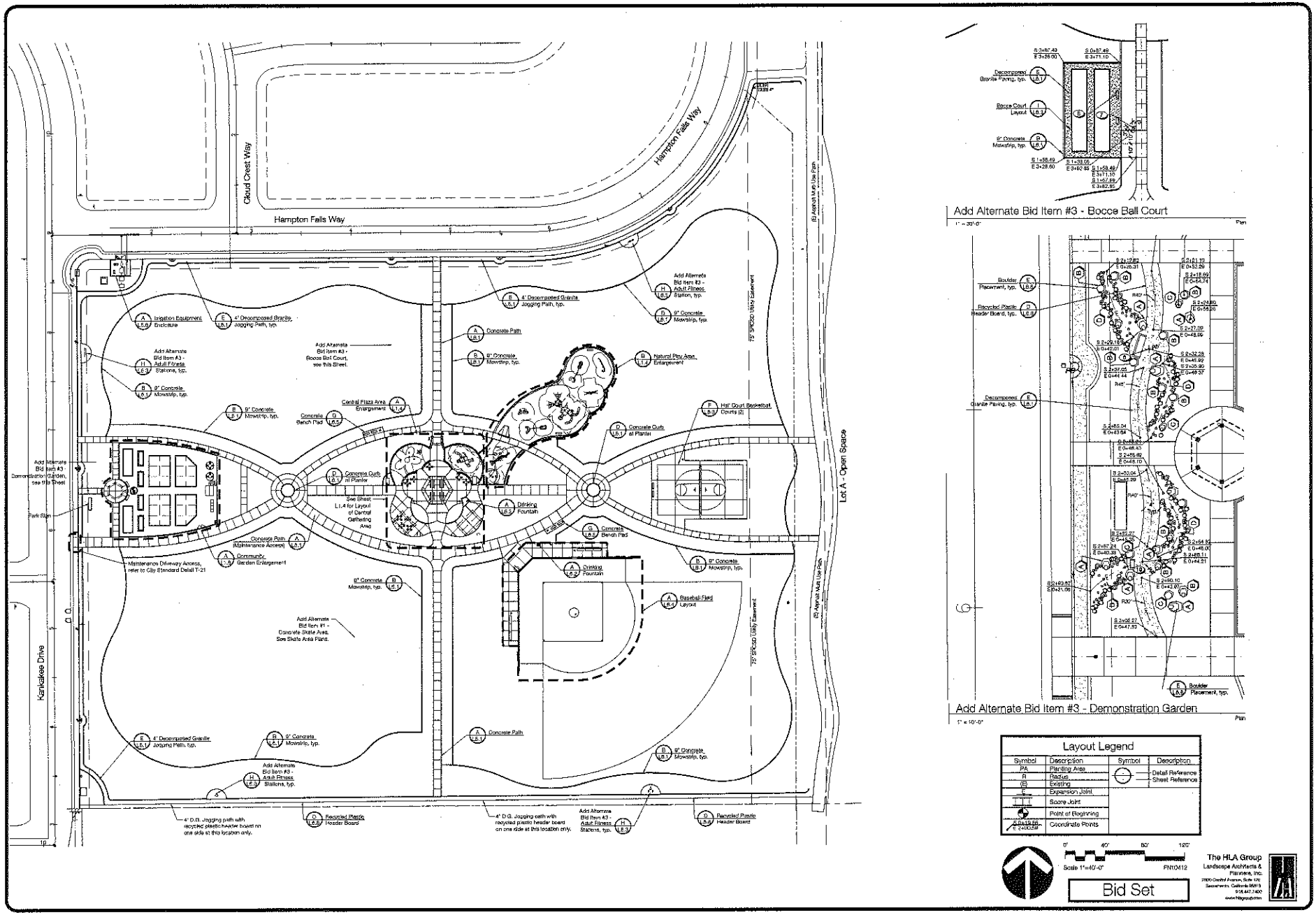
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN:I 19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Existing Conditions / Demolition Plan

LANDSCAPE ARCHITECT GPH
DESIGN BY/DRAWN BY GPH / AS
CAD FILE
DATE OCT. 25, 2013
SCALE 1" = 40'-0"
P. N. G19.1870.01
REVISIONS

SHEET NO.
L1.0



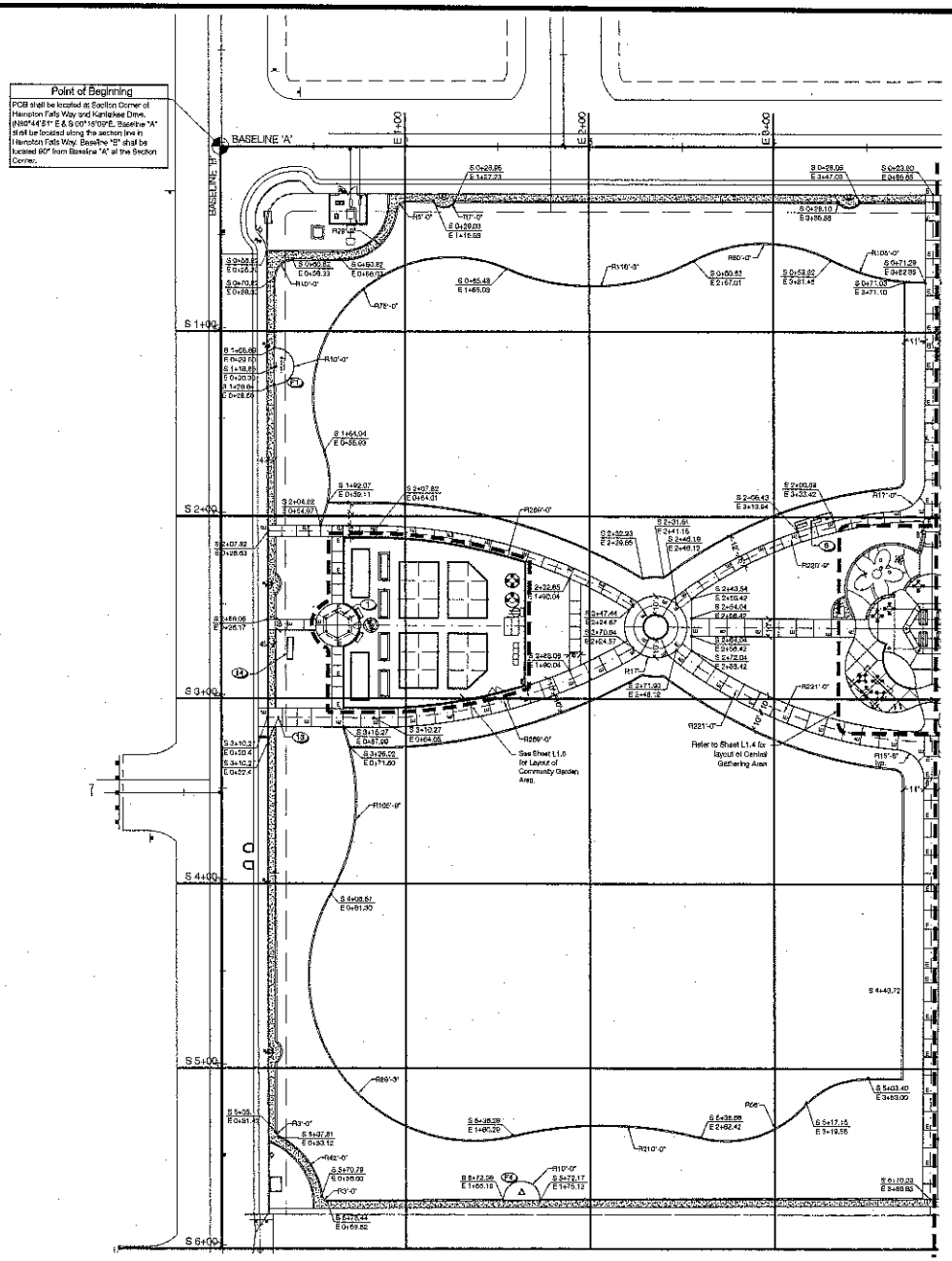
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN-I19-1870.01

WILD ROSE PARK
SACRAMENTO, CA
Overall Layout and Detail Reference Plan

LANDSCAPE ARCHITECT
GPH
DESIGN BY/DRAWN BY
GPH / AS
CAD FILE
DATE OCT. 25, 2013
SCALE 1" = 40'
P. N. (L19.1870.01)
REVISIONS

SHEET NO.
L1.1



Site Furnishings Legend

Key Note	Description	Manufacturer	Model #	Color
1	19' Community/Demonstration Garden Area Shelter Add Alternate #2	ICON	CX16M2V-P5	Frame: Sunny Beige Roof: Evergreen
2	32' Central Gathering Area Plaza Shelter	ICON	CX32M2V-P5	Frame: Sunny Beige Roof: Evergreen
3	8' ADA Picnic Table	Patterson Williams	3120-18-ADA	Cast Bronze
4	8' Picnic Table	Patterson Williams	3120-08	Cast Bronze
5	Round Plaza Tables - Perforated (Round Pattern) Metal tops and horizontal steel slat seats with backs	Victor Stanley	A-H-363 (ADA) N-964	Frame and Seats: Bronze
6	6' Benches	Patterson Williams	3111-06	Tan
7	Round Trash Receptacle - with side door and lock	Patterson Williams	3160	Black
8	Drinking Fountain with Jug filler	MDF	440 SM	Black
9	Compost Bins	---	---	---
10	Storage Shed	---	---	---
11	Water Spigot	---	---	---
12	Leaf Bike Rack	Landscape Structures	165571A-6	Green
13	Removable Bollard	Traffic Guard	TL1004R	---
14	Park Sign	Outdoor Creations		---
15	Shade Canopy - 2-5 Structure	Polygon	IHP-21X30-4-DB-15EV	Frame: Almond Roof: Olive
16	Shade Canopy - 5-12 Structure	Polygon	IHP-28X34-4-DB-15EV	Frame: Almond Roof: Olive
17	Shade Canopy - Over Round Tables Add Alternate #2	Polygon	IHP-14X20-4-DB-15EV	Frame: Almond Roof: Olive
17a	Shade Canopy - At Skate Area Add Alternate #2	Polygon	IHP-14X20-4-DB-15EV	Frame: Almond Roof: Olive
18	Washington Square Trash Receptacle - with side door, anchor bolts, top opening, and lock	Landscape Forms	WS416-03	Black
19	Interpretive Sign Frame and Base Add Alternate #3	Windsor Fireform	TB	Black
See Dugout Layout Detail	8 Bat - Bat Rack	Steelcraft	BR-8	---
	6' Players bench without back, in-ground mount (8 each dugout)	Urbanscape	RO114211	Frame: Smoke Seat: Smoke

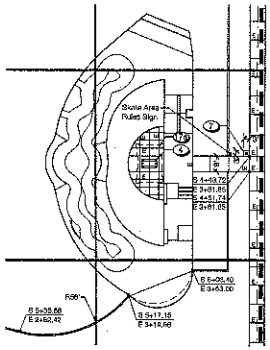
Layout Legend

Symbol	Description	Symbol	Description
PA	Planting Area		Detail Reference / Sheet Reference
R	Radius		
(E)	Existing		
E	Expansion Joint		
	Score Joint		
	Point of Beginning		
S 0+19.00 E 2+00.00	Coordinate Points		

Fitness Equipment Legend

Symbol	Description	Manufacturer	Model #
F1	Balance Steps	HealthBeat	2271
F2	Ab Crunch / Leg Lift	HealthBeat	2274
F3	Plyometrics	HealthBeat	2276
F4	Pull-Up / Dips	HealthBeat	2279

Available from Landscape Structures. Contact: Chris Tait with Ross Recreation at (707) 636-3500.



Add Alternate Bid Item #1 - Concrete Skate Area

1" = 20'-0" Plan

0' 30' 60' 90'
Scale 1"=30'-0" 10412

Bid Set

The HLA Group
Landscape Architects & Planners, Inc.
2600 Capitol Avenue, Suite 120
Sacramento, California 95816
916.447.1410
www.hlagroup.com

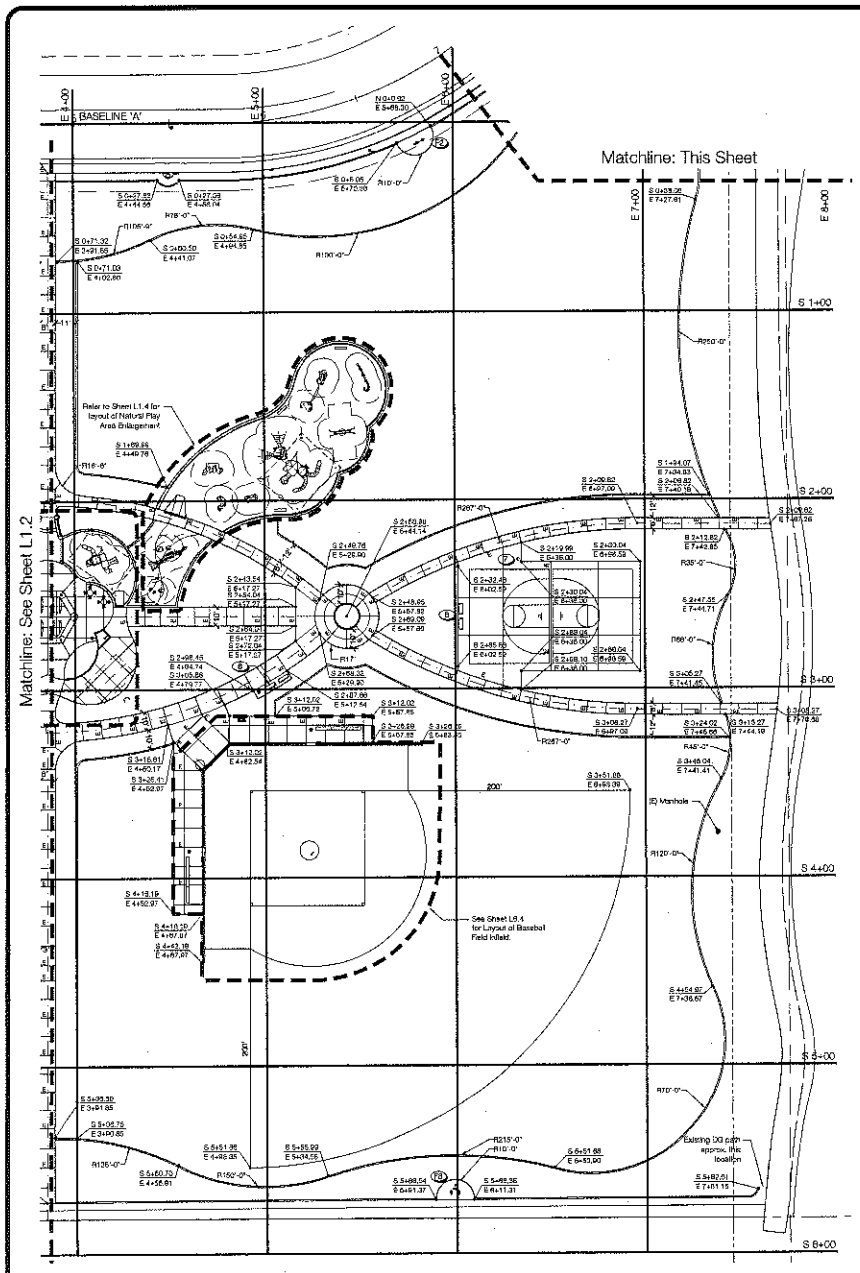
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

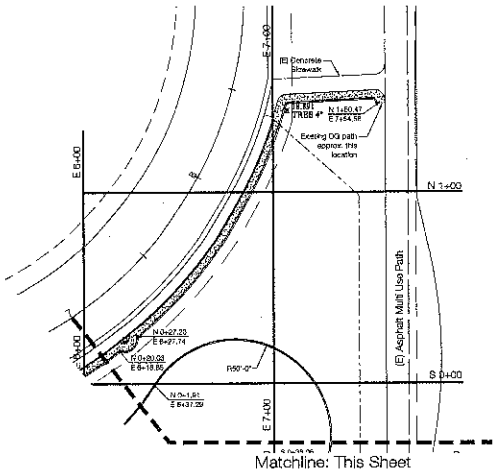
WILD ROSE PARK P.N.: (L19.1670.01)

WILD ROSE PARK
SACRAMENTO, CA
Layout Plan

LANDSCAPE ARCHITECT GPH
DESIGN BY/DRAWN BY GPH / AS
CAD FILE
DATE OCT. 25, 2016
SCALE 1" = 30'
P. N. (L19.1670.01)
REVISIONS

SHEET NO. L1.2





Site Furnishings Legend

Key Note	Description	Manufacturer	Model #	Color
1	18' Community/Demonstration Garden Area Shelter Add Alternate #2	ICON	CX18M2V-P5	Frame: Surrey Beige Roof: Evergreen
2	32' Central Gathering Area Plaza Shelter	ICON	CX32M2V-P5	Frame: Surrey Beige Roof: Evergreen
3	8' ADA Picnic Table	Patterson Williams	3120-18-ADA	Cast Bronze
4	8' Picnic Table	Patterson Williams	3120-08	Cast Bronze
5	Round Plaza Tables - Perforated (Round Pattern) Metal tops and horizontal steel slat seats with backs	Victor Stanley	A-H-363 (ADA) N-364	Frame and Seats: Bronze
6	6' Benches	Patterson Williams	3111-06	Tan
7	Round Trash Receptacle - with side door and lock	Patterson Williams	3150	Black
8	Drinking Fountain with jug filler	MDF	440 SM	Black
9	Compost Bins	---	---	---
10	Storage Shed	---	---	---
11	Water Spigot	---	---	---
12	Leaf Bike Rack	Landscape Structures	185671A-B	Green
13	Removable Bollard	Traffic Guard	TL1004R	---
14	Park Sign	Outdoor Creations		---
15	Shade Canopy - 2-5 Structure	Poligon	HIP-21X30-4-DB-15EV	Frame: Almond Roof: Olive
16	Shade Canopy - 6-12 Structure	Poligon	HIP-28X34-4-DB-15EV	Frame: Almond Roof: Olive
17	Shade Canopy - Over Round Tables Add Alternate #2	Poligon	HIP-14X20-4-DB-15EV	Frame: Almond Roof: Olive
17a	Shade Canopy - At Skate Area Add Alternate #2	Poligon	HIP-14X20-4-DB-15EV	Frame: Almond Roof: Olive
18	Washington Square Trash Receptacle - with side door, anchor bolts, top opening, and lock	Landscape Forms	WS418-03	Black
19	Interpretive Sign Frame and Base Add Alternate #3	Windsor Fireform	TB	Black
See Dugout Layout Detail	8 Bat - Bat Rack	Steelcraft	BR-S	---
	6' Players bench without back, In-ground mount (3 each dugout)	Urbanscape	PO114211	Frame: Smoke Seat: Smoke

Layout Legend

Symbol	Description	Symbol	Description
PA	Planting Area		Detail Reference
R	Radius		Sheet Reference
(E)	Existing		
E	Expansion Joint		
	Score Joint		
	Point of Beginning		
S 0+19.98 E 2+00.99	Coordinate Points		

Fitness Equipment Legend

Symbol	Description	Manufacturer	Model #
F1	Balance Steps	HealthBeat	2271
F2	Ab Crunch / Leg Lift	HealthBeat	2274
F3	Plyometrics	HealthBeat	2278
F4	Put-Up / Dips	HealthBeat	2279

Available from Landscape Structures, Contact: Chris Tait with Ross Recreation at (707) 538-3800

0' 30' 60' 90'
Scale 1"=30'-0" 10412

Bid Set

The HLA Group
Landscape Architects & Planners, Inc.
2620 Capitol Avenue, Suite 120
Sacramento, California 95816
916 447.7400
www.hlagroup.com

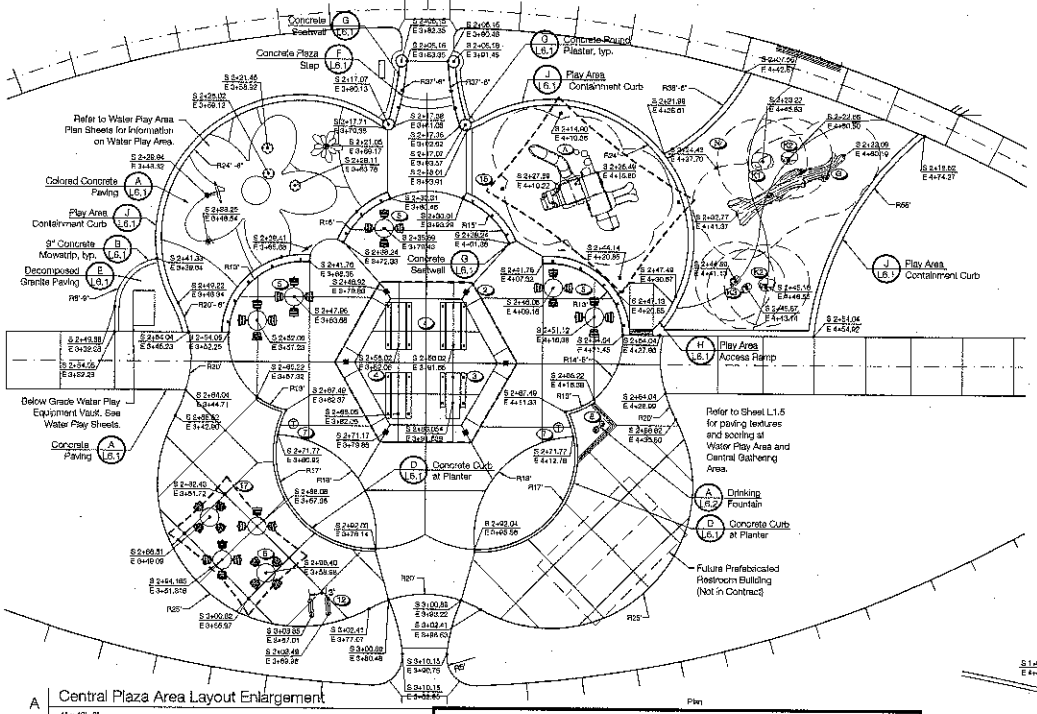
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN: 19 1870.01

WILD ROSE PARK
SACRAMENTO, CA
Layout Plan

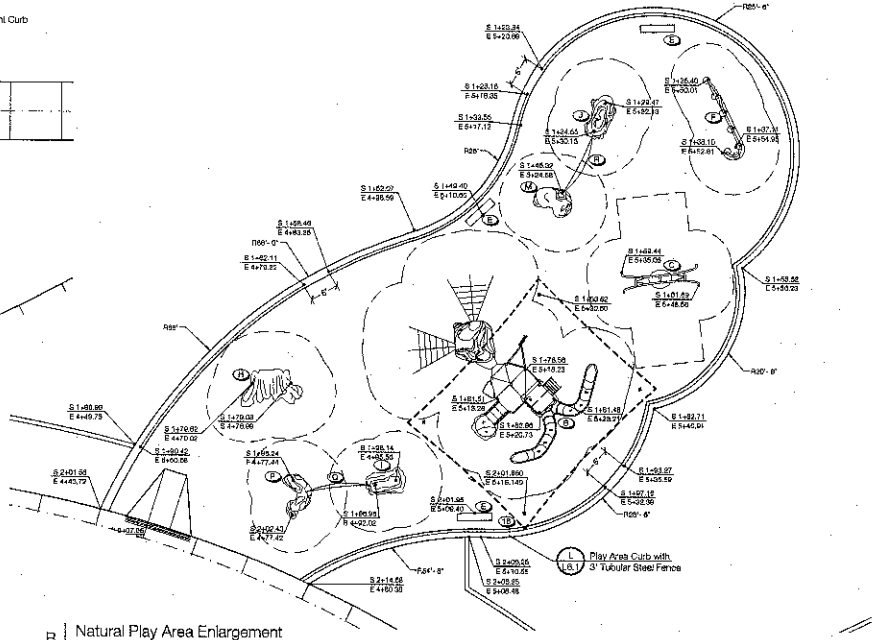
LANDSCAPE ARCHITECT
CPH
DESIGN BY/DRAWN BY
CPH / AS
CAD FILE
DATE OCT. 25, 2013
SCALE 1" = 30'
P. N. (19.1870.01)
REVISIONS

SHEET NO.
L1.3



A Central Plaza Area Layout Enlargement

1" = 10'-0"



B Natural Play Area Enlargement

1" = 10'-0"

Playground Equipment Legend

Key Note	Description	Manufacturer	Model #	Color
A	2-5 Yr Old Play Structure	Landscape Structures	66143-1-1	Palette I
B	5-12 Yr Old Play Structure	Landscape Structures	66143-1-2	Palette I
C	Cradle Swing	Landscape Structures	143692A	Palette I
D	Not Used	---	---	---
E	Log Bench	Landscape Structures	3043	---
F	Wallaroo Climber	GameTime	---	---
G	Old Oak	Rocks and Ropes	---	---
H	Sequoia Roof / Ground Web	Rocks and Ropes	---	---
I	Matterhorn Rock	Rocks and Ropes	---	Limestone
J	Lookout Rock	Rocks and Ropes	---	Limestone
K	Hop Rocks Large Medium Small	Rocks and Ropes	---	Limestone
L	Not Used	---	---	---
M	Stump Rock	Rocks and Ropes	---	Limestone
N	Not Used	---	---	---
O	Not Used	---	---	---
P	Ant Rocks	Rocks and Ropes	---	Limestone
Q	Rope Link: X Rope Bridge	Rocks and Ropes	494-306	---
R	Rope Link: Two Rope Bridge	Rocks and Ropes	494-302	---

Landscape Structures - Palette I:
Post Color: Leaf Polyethylene Color: Acorn
Components Color: Brown Permalene Color: Acorn

Contact: Bridget Muck with Miracle Playsystems for Rocks and Ropes at (800) 879-7730
Contact: Chris Tait with Ross Recreation for Landscape Structures at (707) 539-3800
Contact: Doris Herpain with MRG Recreation for GameTime at (559) 977-2858 (Project # P71043)

Site Furnishings Legend

Key Note	Description	Manufacturer	Model #	Color
1	18' Community/Demonstration Garden Area Shelter Add Alternate #2	ICON	CX18M2V-P5	Frame: Surrey Beige Roof: Evergreen
2	32' Central Gathering Area Plaza Shelter	ICON	CX32M2V-P5	Frame: Surrey Beige Roof: Evergreen
3	8' ADA Picnic Table	Patterson Williams	3120-18-ADA	Cast Bronze
4	8' Picnic Table	Patterson Williams	3120-08	Cast Bronze
5	Round Plaza Tables - Perforated (Round Pattern) Metal tops and horizontal steel slat seats with backs	Victor Stanley	A-H-363 (ADA) N-364	Frame and Seats: Bronze
6	6' Benches	Patterson Williams	3111-06	Tan
7	Round Trash Receptacle - with side door and lock	Patterson Williams	3150	Black
8	Drinking Fountain with jug filler	MDF	440 SM	Black
9	Compost Bins	---	---	---
10	Storage Shed	---	---	---
11	Water Spigot	---	---	---
12	Leaf Bike Rack	Landscape Structures	165571A-B	Green
13	Removable Bollard	Traffic Guard	TL1004R	---
14	Park Sign	Outdoor Creations		---
15	Shade Canopy - 2-5 Structure	Polygon	IHP-21X30-4-DB-15EV	Frame: Almond Roof: Olive
16	Shade Canopy - 5-12 Structure	Polygon	IHP-28X34-4-DB-15EV	Frame: Almond Roof: Olive
17	Shade Canopy - Over Round Tables Add Alternate #2	Polygon	IHP-14X20-4-DB-15EV	Frame: Almond Roof: Olive
17a	Shade Canopy - At Skate Area Add Alternate #2	Polygon	IHP-14X20-4-DB-15EV	Frame: Almond Roof: Olive
18	Washington Square Trash Receptacle - with side door, anchor bolts, top opening, and lock	Landscape Forms	WS416-03	Black
19	Interpretive Sign Frame and Base Add Alternate #3	Windsor Fireform	TB	Black
See Dugout Layout Detail	8 Bat - Bat Rack	Steelcraft	6R-8	---
	6' Players bench without back, in-ground mount (3 each dugout)	Urbanscape	PO114211	Frame: Smoke Seat: Smoke

Water Spray Pad Equipment Legend

Symbol	Description	Model #	Manufacturer
	Daisy-Max (Wavy)	C02-655	Water Play
	Lily Pad (Kd)	C02-947	Water Play
	Sunny Flower	C02-653	Water Play
	Flower Play Activator	C02-621	Water Play
	Wolf Spray (Kd)	C02-115	Water Play

Contact: Bridget Muck with Miracle Playsystems at (800) 879-7730

Layout Legend

Symbol	Description	Symbol	Description
PA	Planting Area		Detail Reference / Sheet Reference
R	Radius		
(E)	Existing		
E	Expansion Joint		
	Score Joint		
	Point of Beginning		
P.O.B. 19.66 E 2+00.00	Coordinate Points		

Play Equipment Notes

1. Contractor shall have playground equipment assembled and installed by a certified play equipment installer. See specifications for play equipment installation certificate requirements.
2. The parts listed in the play equipment list are only a partial list of parts necessary to construct the play equipment. The manufacturer shall supply all parts, fittings, components and hardware as required to completely construct the play structures and comply with safety, liability, and warranty requirements.
3. Contractor shall supply wood fiber and resilient paving rubber samples, product test specifications and proof of liability insurance to the City landscape architect for approval prior to installation.
4. Wood fiber shall have a 12" (compacted) minimum depth at the edges of the play area, deeper in the center of the play area and shall be level (at the time of final acceptance).
5. Play equipment shall be inspected by an NPSI certified playground auditor and report submitted to the City Inspector. Play equipment shall be inspected by the City playground inspector David Robbins at 916-868-5445. Call 48 hrs. prior to footing layout and at final construction.

0' 10' 20' 40'
Scale 1" = 10'-0" 10412

Bid Set

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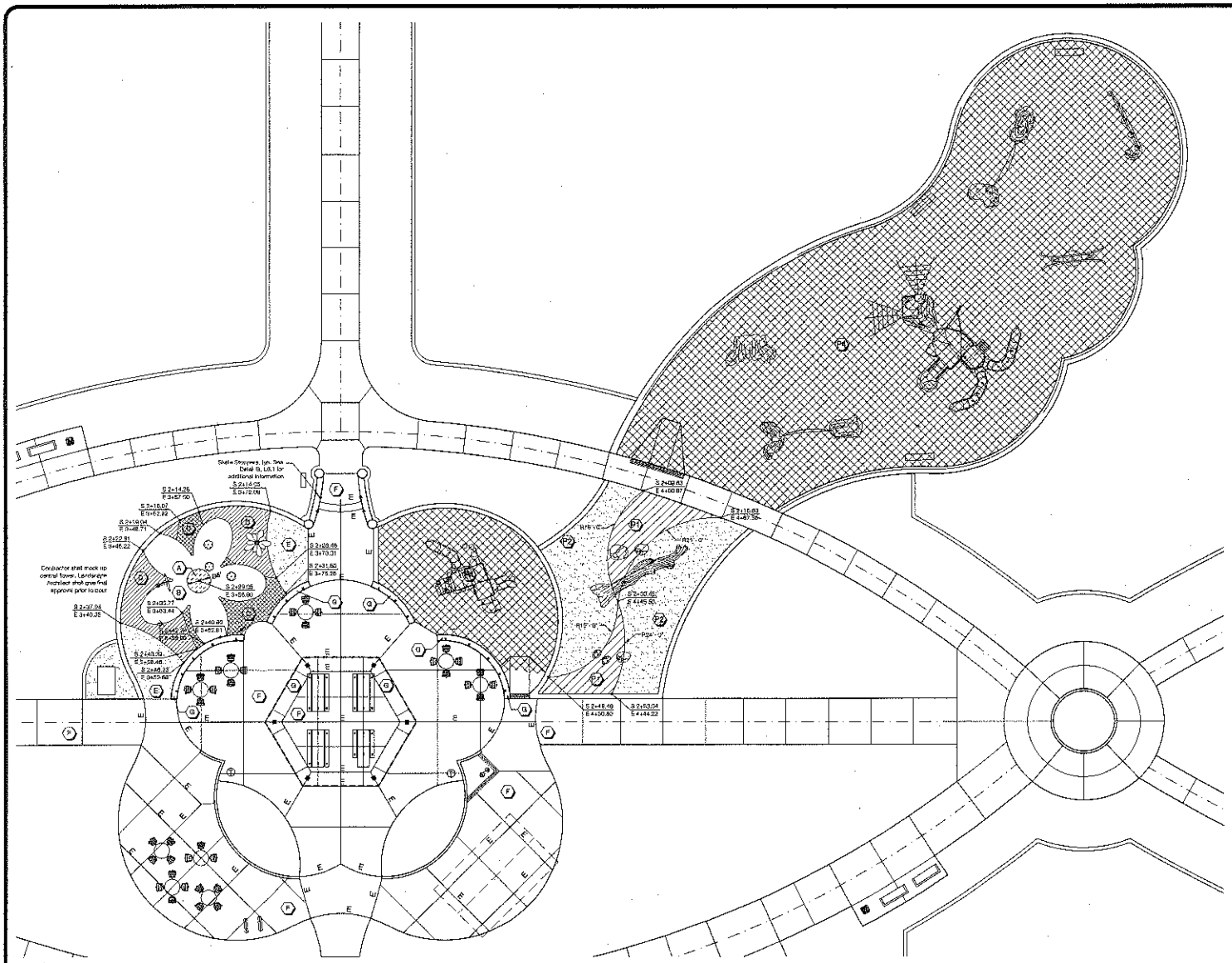
WILD ROSE PARK PN: 19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Layout Enlargement Plan

LANDSCAPE ARCHITECT GPK
DESIGN BY/DRAWN BY GPK / AS
CAD FILE
DATE OCT. 25, 2013
SCALE 1" = 10'
P. N. L19.1870.01
REVISIONS

SHEET NO. L1.4



A Central Plaza and Natural Play Area Paving Plan
1" = 10'-0"
Plan

Paving Legend

Key Note	Description	Manufacturer	Color
Colored Concrete at Water Spray Pad			
A	Flower Center	Davis Colors	Brick Red 160
B	Flower Petals	Davis Colors	Bright Yellow Custom Color
C	Inner Swath	Davis Colors	Orange Custom Color
D	Inner Swath	Davis Colors	Blue Smoke 1138-S
E	Outer Swath	Davis Colors	Terra Cotta 10134
Concrete at Central Plaza Area			
F	Standard concrete with medium broom finish	--	--
G	Outside Band at Shade Structure and Seatwalls with medium sandblast finish	--	--

Play Area Paving Legend

Key Note	Description	Manufacturer	Color
Poured in Place (PIP) Resilient Surfacing			
P1	Tot Turf (Aliphatic)	Tot Turf	75% Blue 25% Gray
P2	Tot Turf (Aliphatic)	Tot Turf	90% Beige 10% Mid-Brown
P3	Tot Turf (Aliphatic)	Tot Turf	50% Purple 50% Gray
Wood Fiber Surfacing			
P4	Wood Fiber Surfacing - Minimum 12" compacted depth	See Specifications	--

Layout Legend

Symbol	Description	Symbol	Description
PA	Planting Area		Detail Reference
R	Radius		Sheet Reference
(E)	Existing		
E	Expansion Joint		
	Score Joint		
	Point of Beginning		
S 0+19.86 E 4+00.39	Coordinate Points		

0' 10' 20' 30'
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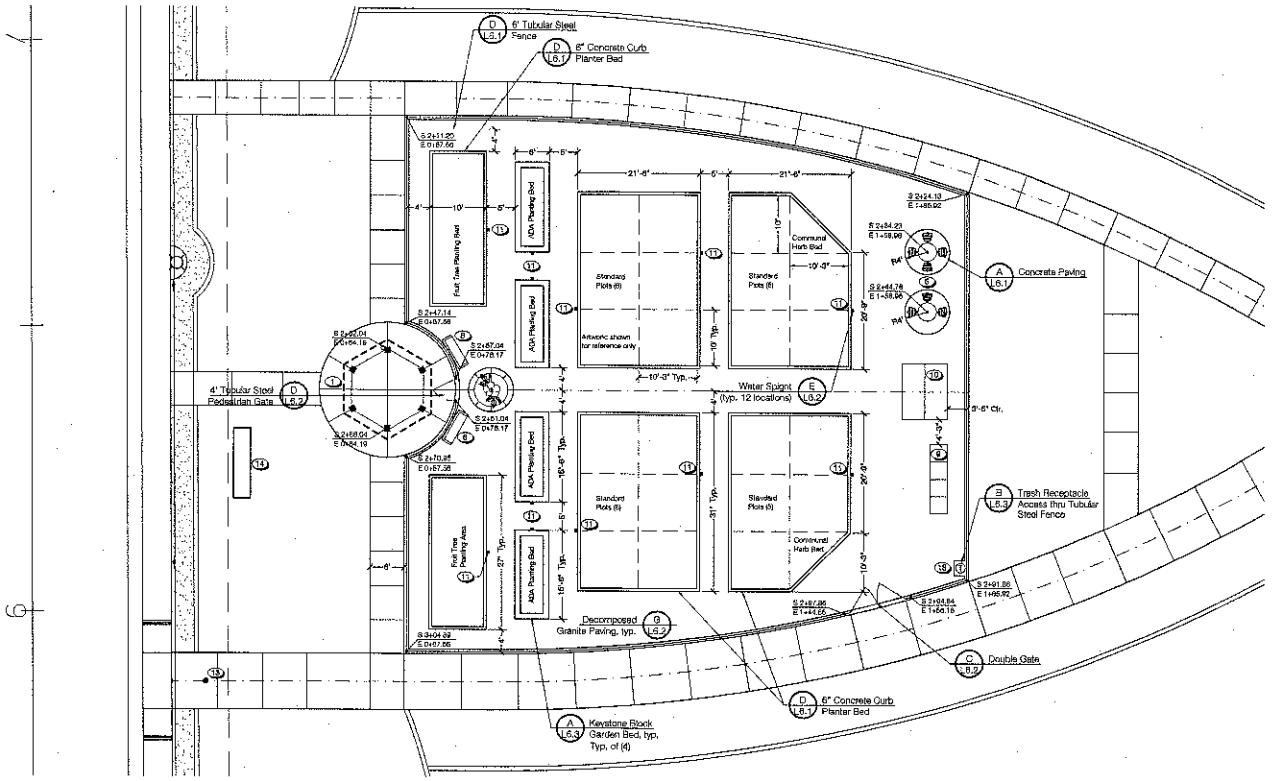
WILD ROSE PARK PN:I 19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Layout Enlargement Plan

LANDSCAPE ARCHITECT
GPH
DESIGN BY/DRAWN BY
GPH / AS
CAD FILE
DATE OCT. 25, 2013
SCALE 1" = 10'
P. N. (I19.1870.01)
REVISIONS

SHEET NO.
L1.5



A Community Garden Enlargement
1" = 10'-0"

Site Furnishings Legend

Key Note	Description	Manufacturer	Model #	Color
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8	Drinking Fountain with jug filter	MDF	440 SM	Black
9	Compost Bins	---	---	---
10	Storage Shed	---	---	---
11	Water Spigot	---	---	---
12	Leaf Bike Rack	Landscape Structures	185671A-B	Green
13	Removable Bollard	Traffic Guard	TL-1004R	---
14	Park Sign	Outdoor Creations		---
15	Shade Canopy - 2-5 Structure	Poligon	1HIP-21X30-4-DB-16EV	Frame: Almond Roof: Olive
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17	Shade Canopy - Over Round Tables Add Alternate #2	Poligon	4HIP-14X20-4-DB-16EV	Frame: Almond Roof: Olive
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See Dugout Layout Detail	8 Bat - Bat Pack	Steelcraft	BR-8	---
	6' Players bench without back, In-ground mount (3 each dugout)	Urbanscape	PO114211	Frame: Smoke Seat: Smoke

Layout Legend

Symbol	Description	Symbol	Description
PA	Planting Area		Detail Reference Sheet Reference
R	Radius		
E	Existing		
E	Expansion Joint		
	Score Joint		
	Point of Beginning		
S 0+19.86 E 2+00.89	Coordinate Points		

0' 10' 20' 30'
Scale 1"=10'-0" 10412

Bid Set

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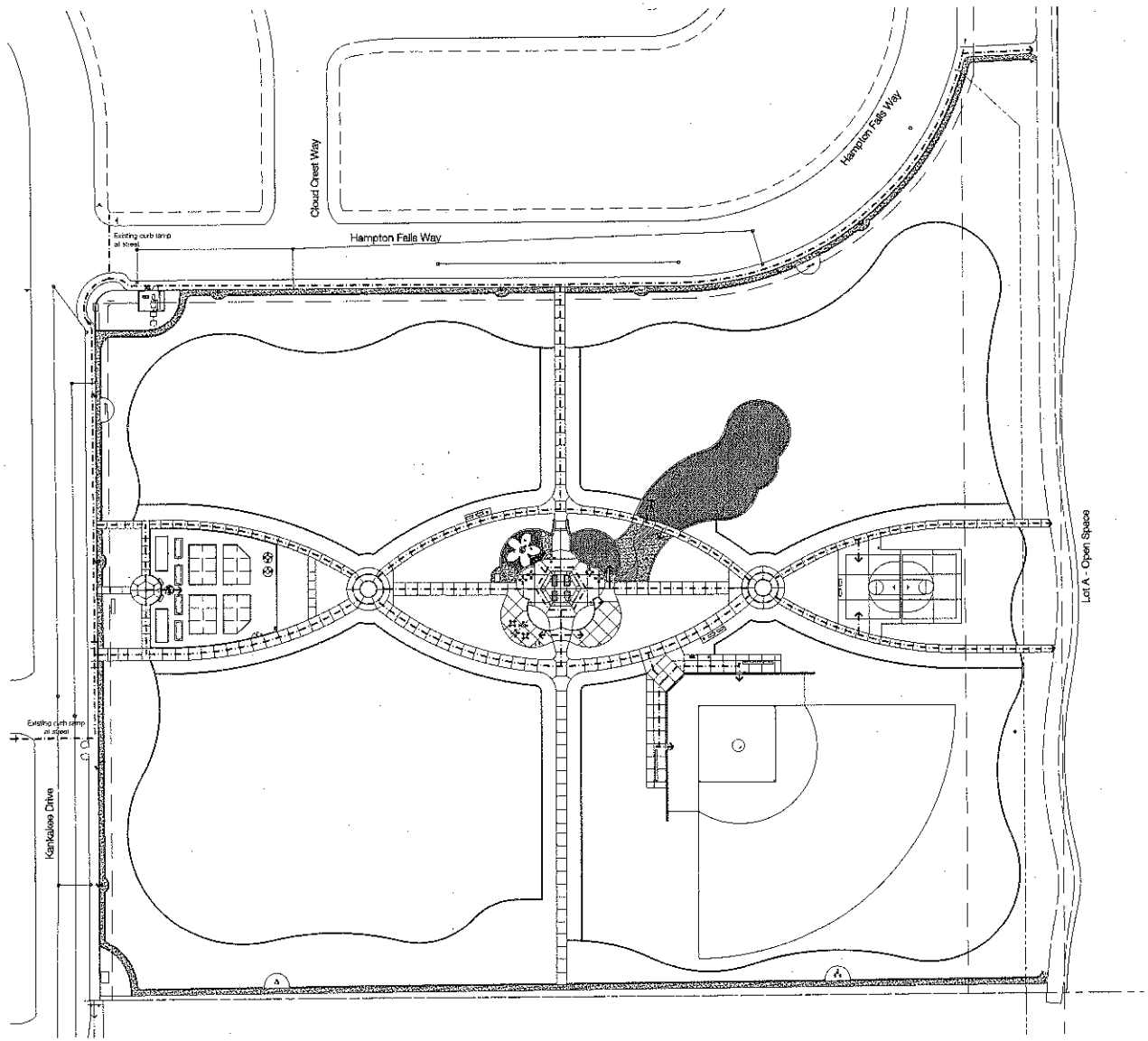
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Layout Enlargement Plan

LANDSCAPE ARCHITECT GPH
DESIGN BY/DRAWN BY GPH / AS
CAD FILE
DATE OCT. 25, 2013
SCALE 1" = 10'
P. N. L19.1870.01
REVISIONS

SHEET NO.
L1.6



Path of Travel

Path of Travel (P.O.T)

The Path of Travel (P.O.T.) as indicated is a barrier-free, continuous common surface, not interrupted by steps or by abrupt changes in level exceeding 1/2 inch. When changes in levels greater than 1/2 inch are necessary, they comply with curb ramp requirements. The slope in the direction of travel of any P.O.T. walk does not exceed 1 unit vertical to 20 units horizontal (5% gradient). All P.O.T. walks are a minumum of 60 inches in width and have slip-resistant surfaces.

The Contractor shall verify that all P.O.T. walks confirm to California Code of Regulations, Title 24, Division 3, Section 1133B.7 Walks and Sidewalks.

0 40' 80' 120'

Scale 1"=40'-0"

FN10412

Bid Set

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WILD ROSE PARK PN-L19.1870.01

WILD ROSE PARK

SACRAMENTO, CA
Path of Travel Plan

LANDSCAPE ARCHITECT
GPH

DESIGN BY/DRAWN BY
GPH / AS

CAD FILE

DATE OCT. 25, 2013

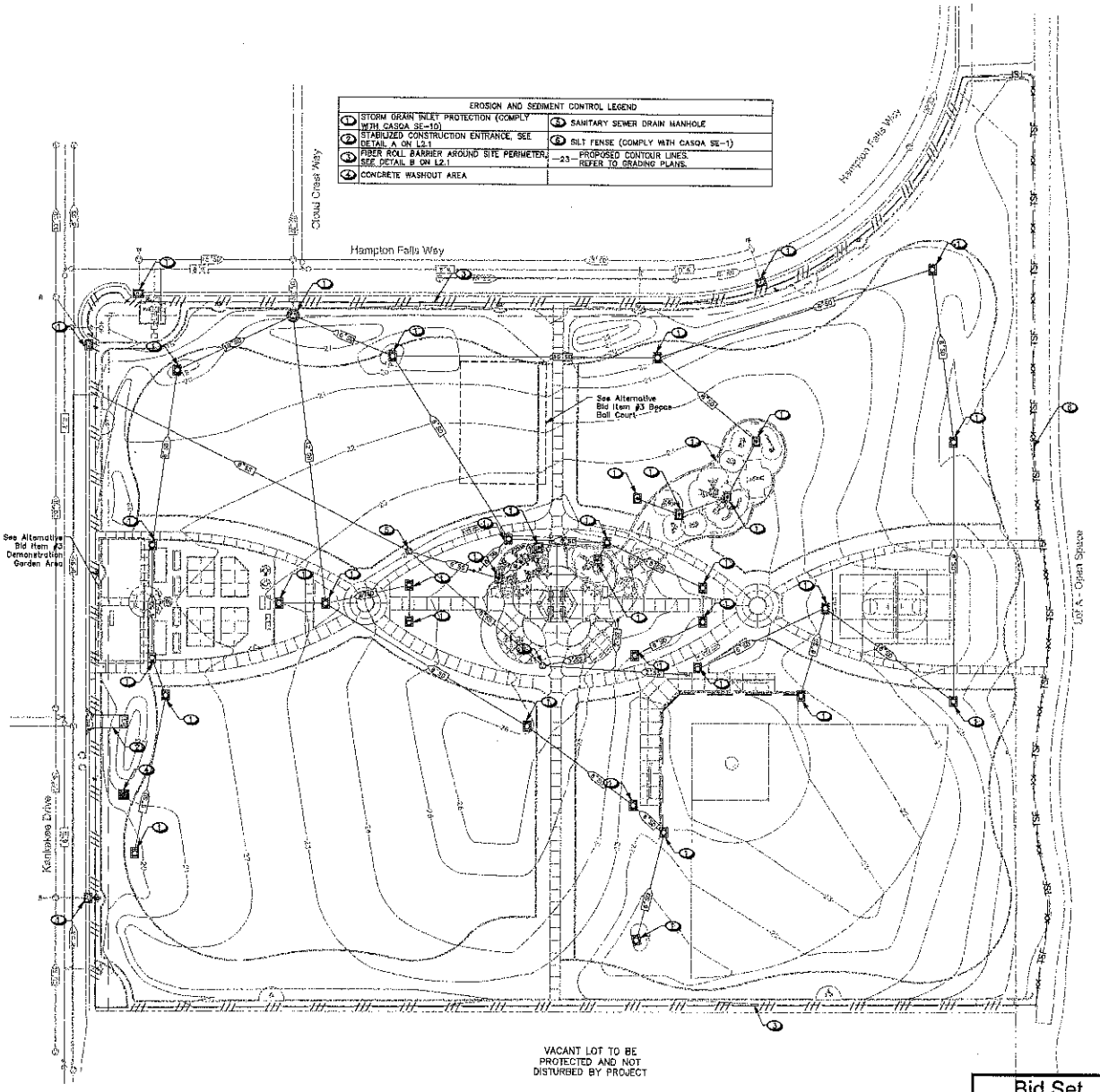
SCALE 1"=40'-0"

P. N. (L19.1870.01)

REVISIONS

SHEET NO.
L1.7

EROSION AND SEDIMENT CONTROL LEGEND	
1 STORM DRAIN INLET PROTECTION (COMPLY WITH CASQA SE-10)	5 SANITARY SEWER DRAIN MANHOLE
2 STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL A ON L2.1	6 SILT FENSE (COMPLY WITH CASQA SE-1)
3 FIBER ROLL BARRIER AROUND SITE PERIMETER, SEE DETAIL B ON L2.1	—23— PROPOSED CONTOUR LINES. REFER TO GRADING PLANS.
4 CONCRETE WASHOUT AREA	



Bid Set

0' 40' 80' 120'
Scale 1"=40'-0"

EROSION AND SEDIMENT CONTROL NOTES

1. CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO OCTOBER 1.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF, OR THE DIRECTION OF, A REPRESENTATIVE OF THE CITY OF SACRAMENTO DEPARTMENT OF PARKS AND RECREATION.
3. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF, OR AT THE DIRECTION OF, A REPRESENTATIVE OF THE CITY OF SACRAMENTO DEPARTMENT OF PARKS AND RECREATION.
4. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
5. CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMP'S, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMP'S OR EROSION AND SEDIMENT CONTROL PLAN.
6. IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PREFORMED. NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.
7. THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO THE COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE SHALL REMAIN IN PLACE UNTIL THE ROAD BASE ROCK COURSE IN COMPLETED.
8. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEPT AT THE END OF EACH WORKING DAY OR AS NECESSARY.
9. CONTRACTOR SHALL PLACE FILTER ROLL BARRIER AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE FILTER ROLL BARRIERS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
10. CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:
    - A. SOLID WASTE MANAGEMENT:
      PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OR TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.
    - B. MATERIAL DELIVERY AND STORAGE:
      PROVIDE DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA WEEKLY.
    - C. CONCRETE WASTE:
      PROVIDE A DESIGNATED AREA FOR TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.
    - D. PAINT AND PAINTING SUPPLIES:
      PROVIDE INSTRUCTIONS TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE WEEKLY FOR EVIDENCE OF IMPROPER DISPOSAL.
    - E. VEHICLE FUELING, MAINTENANCE AND CLEANING:
      PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ONSITE MAINTENANCE AND CLEARING OF EQUIPMENT TO A MINIMUM. INSPECT AREA WEEKLY.
    - F. HAZARDOUS WASTE MANAGEMENT:
      PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ONSITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.
11. CONTRACTOR SHALL NOT ALLOW DISCHARGE OF CHLORINATED AND DE-CHLORINATED WATER INTO DRAIN SYSTEM.
12. MAINTAIN AND REPAIR EROSION CONTROL FACILITIES THROUGHOUT THE CONSTRUCTION PERIOD. REMOVE SILT BUILD UP AT FILTER ROLLS OR GRAVEL BAGS AS NEEDED. REPAIR DAMAGE TO EARTH SLOPES AND BANKS.
13. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SWPP PLAN COMPLETED FOR THE OVERALL WILD ROSE PARK PROJECT. CONTRACTOR SHALL ABIDE BY THE REQUIREMENTS STATED.

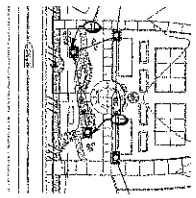
STRAW AND TACKIFIER

FOR ALL DISTURBED AREAS DURING WET SEASON APPLY STRAW WITH TACKIFIER.
STRAW SHALL BE DERIVED FROM WHEAT, RICE, OR BARLEY.

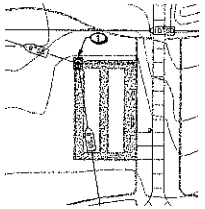
1. APPLY LOOSE STRAW AT A MINIMUM RATE OF 3,570 KG/HA (4,000 LB/ACRE), EITHER BY MACHINE OR BY HAND DISTRIBUTION. THE STRAW MULCH MUST BE EVENLY DISTRIBUTED ON THE SOIL SURFACE. AVOID PLACING STRAW ONTO SIDEWALKS, LINED DRAINAGE CHANNELS, AND EXISTING VEGETATION. STRAW MULCH WITH TACKIFIER SHALL NOT BE APPLIED DURING OR IMMEDIATELY BEFORE RAINFALL.
2. ANCHOR THE MULCH IN PLACE BY USING TACKIFIER. TACKIFIER SHALL BE SELECTED BASED ON LONGEVITY AND ABILITY TO HOLD THE FIBERS IN PLACE.
3. TACKIFIER SHALL BE APPLIED AT A RATE OF 140 KG/HA (125 LB/ACRE) OR IN WINDY CONDITIONS AS DIRECTED BY CSD, THE RATE SHALL BE 200 KG/HA.

MAINTENANCE

1. THE KEY CONSIDERATION IN MAINTENANCE AND INSPECTION IS THAT THE STRAW IS REQUIRED TO LAST LONG ENOUGH TO ACHIEVE EROSION CONTROL OBJECTIVES.
2. REAPPLICATION OF STRAW MULCH AND TACKIFIER MA BE REQUIRED BY THE RESIDENT ENGINEER TO MAINTAIN EFFECTIVE SOIL STABILIZATION OVER DISTURBED AREAS AND SLOPES.
3. AFTER ANY RAINFALL EVENT, THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SLOPES TO PREVENT EROSION.



ALTERNATIVE BID ITEM #3
DEMONSTRATION GARDEN AREA
SCALE: 1"=40'



ALTERNATIVE BID ITEM #3
BOCCE BALL COURT
SCALE: 1"=40'

MARK THOMAS & COMPANY
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100 FAX: (916)381-9180

CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

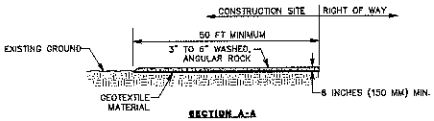
WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
EROSION CONTROL

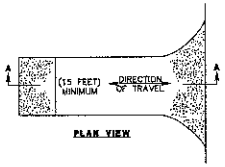
CIVIL ENGINEER A. ENGEL
DESIGN BY/DRAWN BY MJ/KD
CAD FILE
DATE OCT. 25, 2013
SCALE 1" = 40'
P. N. (L19.1870.01)
REVISIONS

Exp. 9/30/14 CIVIL STATE OF CALIFORNIA

SHEET NO. L2.0



SECTION A-A

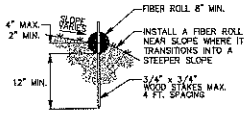


PLAN VIEW

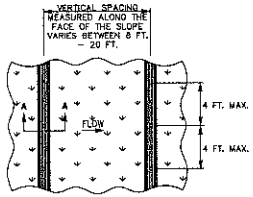
NOTES:

1. STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED OF 3" TO 6" WASHED, ANGULAR ROCK. MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF 6 INCHES.
2. LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 50 FEET. WIDTH SHALL BE A MIN. OF 15 FT OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADII.
3. THE ENTRANCE SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH MATERIAL AS SPECIFIED IN NOTE 1.
4. ACCESSES SHALL BE INSPECTED WEEKLY DURING PERIODS OF HEAVY USAGE, MONTHLY DURING NORMAL USAGE, AND AFTER EACH RAINFALL, WITH MAINTENANCE PROVIDED AS NECESSARY. PERIODIC TOP DRESSING SHALL BE DONE AS NEEDED.

DETAIL A
STABILIZED CONSTRUCTION SITE ACCESS



SECTION A - A



TYPICAL FIBER ROLL INSTALLATION
NO SCALE

NOTES:

1. INSTALL FIBER ROLLS IN A ROW ALONG A LEVEL CONTOUR.
2. AT ENDS OF A ROW TURN THE LAST TWO FEET UP SLOPE SLIGHTLY.
3. FIBER ROLLS SHALL BE BUTTED TIGHTLY AT THE JOINTS.
4. DO NOT OVERLAP JOINTS.
5. FIBER ROLLS SHALL BE INSPECTED WEEKLY AND AFTER STORMS, AND REPAINTED OR REPLACED AS NEEDED.

DETAIL B
FIBER ROLL BARRIER

Bid Set

MARK THOMAS & COMPANY
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100 FAX: (916)381-9180

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DEPARTMENT OF PARKS & RECREATION
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LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN:LI9.1870.01

WILD ROSE PARK
SACRAMENTO, CA
EROSION CONTROL

CIVIL ENGINEER
A. ENGEL

DESIGN BY/DRAWN BY
MJJ KD

CAD FILE

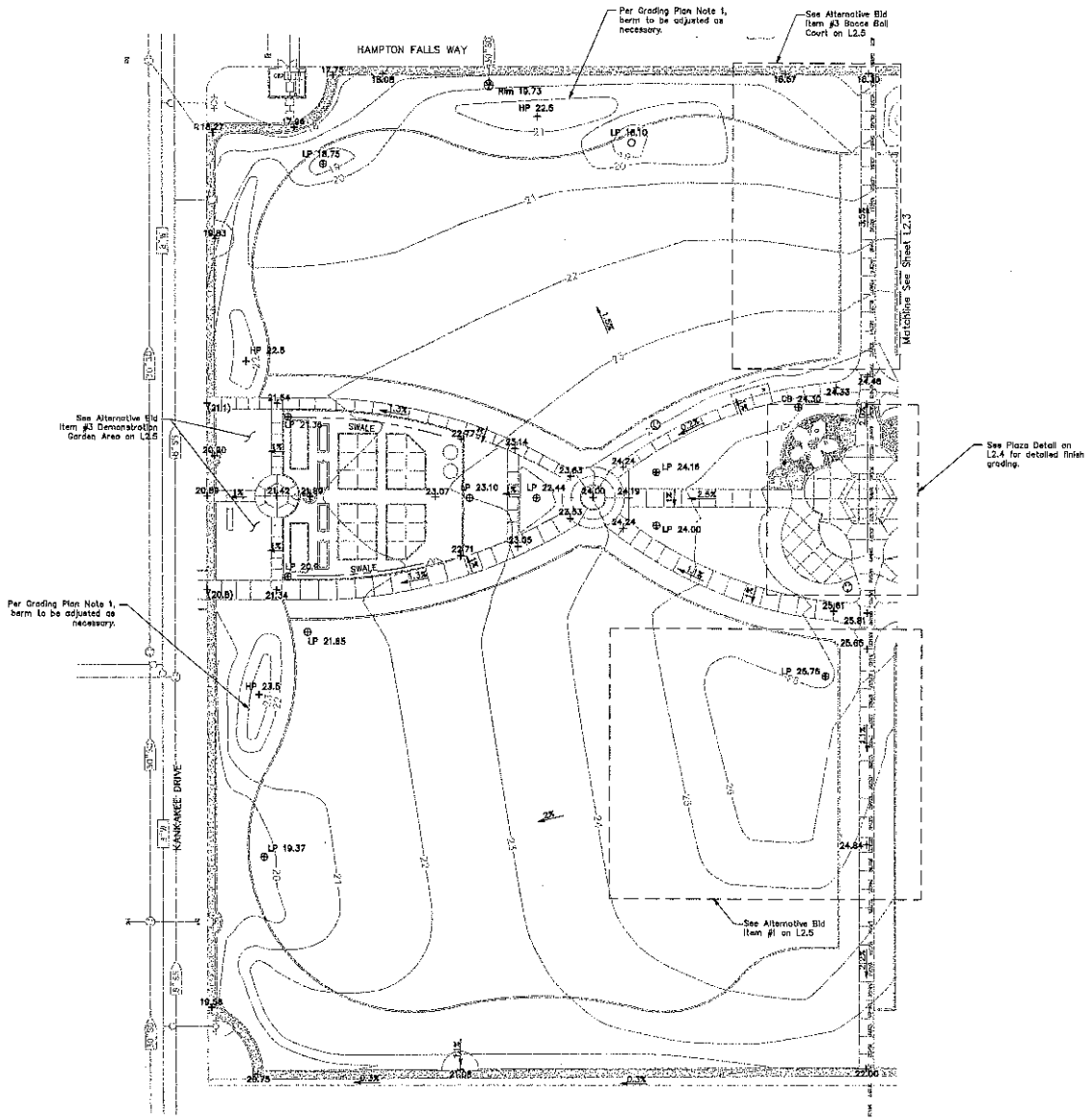
DATE OCT. 25, 2018

SCALE None

P. N. 619.1870.01

REVISIONS

SHEET NO.
L2.1



Grading Plan Notes

1. It is the intent of these grading plans to balance cut and fill quantities on site during grading operations. Final adjustments may be necessary in the field by raising or lowering proposed berming.
2. Provide positive drainage in all planted areas. Minimum slope shall be 1.5% to outlet.
3. Cross slope across walks or concrete paving shall be 1% min. 2% max, and shall not exceed 5" slope longitudinally except at specified ramp locations.
4. Contact U.S.A. 1-800-642-2444 for verification and field location of all existing underground utilities prior to landscape construction
5. All pedestrian paving shall be installed at grades in conformance with A.D.A. standards. Do not willfully install pavement if it is obvious that this condition cannot be met. Contact Project Inspector if any discrepancies occur in the field.
6. See Special Provisions for additional information and requirements.
7. All existing improvements and facilities of neighboring properties shall be protected and shall not be disturbed except as required by the construction of these improvements. If damage to these existing facilities occurs due to the construction of proposed improvements, the necessary repairs will be at the expense of the contractor.
8. All grading shall be done in accordance with the City of Sacramento requirements and Standard Specifications (latest edition).
9. Public safety and traffic control shall be provided in accordance with the Standard Construction Specifications and as directed by the Inspector. Safe vehicular and pedestrian access shall be provided at all times during construction.
10. The contractor shall notify the City of Sacramento inspector immediately upon completion of staking.
11. The contractor shall notify the City of Sacramento inspector two working days prior to the intention to commence work. The contractor shall not start any grading until the City completes pre-grading inspection.
12. The contractor shall be responsible for the protection of all survey monuments and other survey markers during construction. All such monuments or markers destroyed during construction shall be replaced at the contractor's expense.
13. Grades shall be established to maintain constant slopes between spot elevations and contours indicated on the plans and conform to existing grades.
14. The contractor shall adhere to the City of Sacramento's dust control measures per the Grading Ordinance. Normal wetting procedures shall not occur on excessively windy days. Daily clean-up of dust carried onto street surfaces by construction shall be required. Upon completion of site preparation activities the contractor shall take measures to reduce erosion. Paving and planting shall be completed as soon as possible. The contractor shall designate a person to monitor the dust control program and oversee implementation of the dust control strategies.
15. All contours and grades in improved areas shall be finished smooth with no abrupt elevation changes.
16. Finish grade at turf areas shall be 2" below the top of adjacent concrete flatwork or mowstrips.
17. All drain pipes shall be PVC SDR-35 storm drain pipe, or as noted on plans.
18. The grading work under this contract consists of earthwork and compaction required to establish rough grades to conform to the contours, grades, lines and shapes as indicated on the plans. Final adjustment may be necessary in the field by raising or lowering proposed grades.
19. The contractor shall meet the lines and grades as shown on the grading plans. Should import or export of soil become necessary to meet the lines and grades as shown on the plans, it shall be at the sole expense of the contractor. Should export of soil become necessary, it shall be at the discretion oft he landscape architect to allow the contractor to make necessary adjustments to balance the earthwork on site at no additional cost to the City. The contractor shall be responsible for all earthwork calculations and including any import or export costs that may be required in his or her bid.

Grading Plan Legend

○	Catch Basin
20.00	Proposed Contour
20.00	Proposed Spot Elevation
(20.0)	Existing Spot Elevation
⊕	Manhole (See L3.1)
1.5%	Slope Direction

Abbreviations

HP	High Point
LP	Low Point
SW	Sidewalk
TS	Top of Step
BS	Bottom of Step
CB	Catch Basin
TP	Top of Pilaster
TW	Top of Wall
TC	Top of Curb
FS	Finish Surface
FG	Finish Grade
FRP	Finish Resilient Paving Grade
SUB	Play Area Subgrade

I have complied with the criteria of Sacramento City Code Chapter 15.92 and applied them according for the efficient use of water in the grading design plan.

Bid Set

0' 30' 60' 90'
Scale 1"=30'-0"

MARK THOMAS & COMPANY
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100 FAX: (916)381-9180

CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
GRADING PLAN

CIVIL ENGINEER
A. ENGEL

DESIGN BY/DRAWN BY
MJ / KD

CAD FILE

DATE OCT. 25, 2013

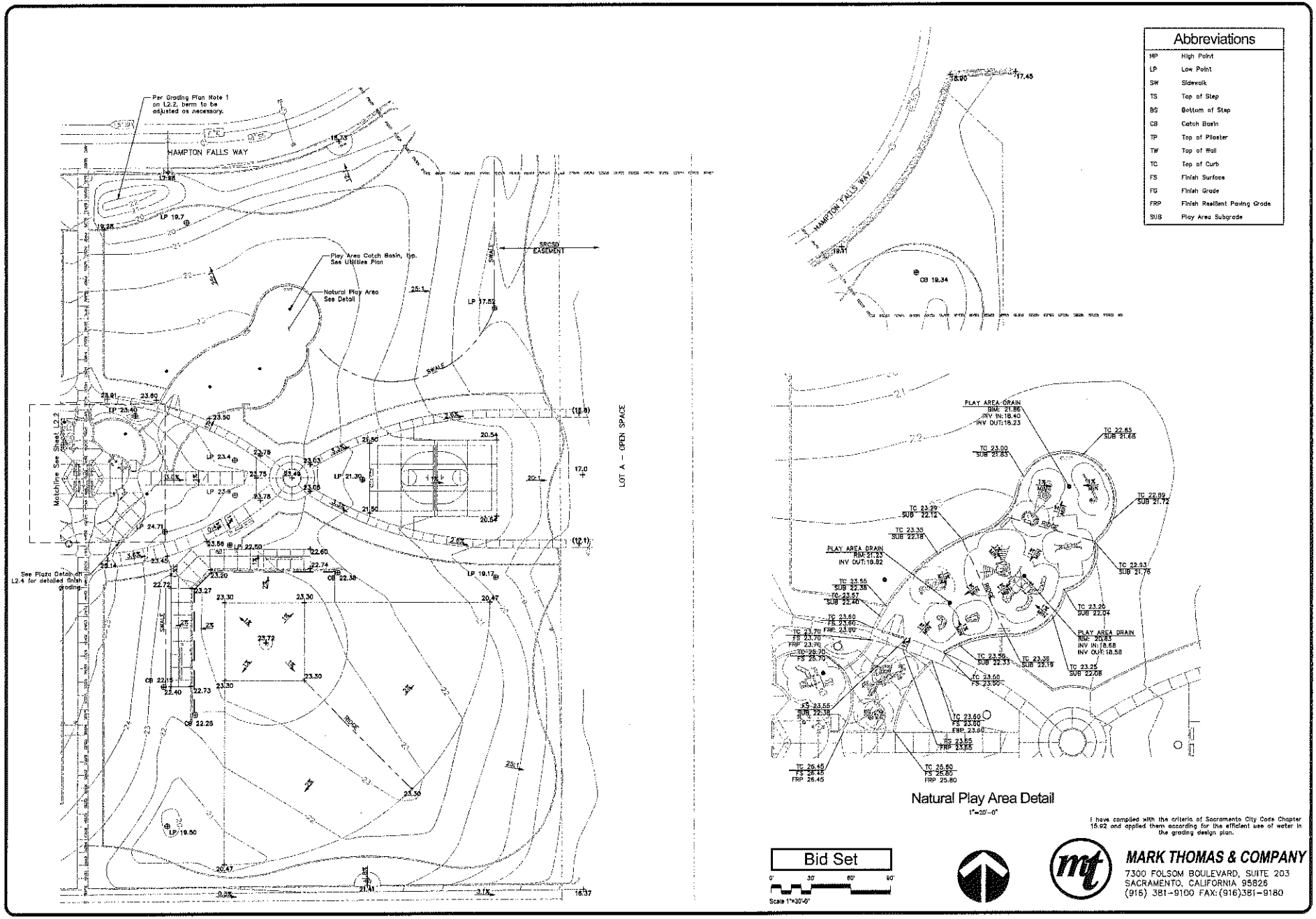
SCALE 1" = 30'

P. N. (L19.1870.01)

REVISIONS

Exp. 9/30/14
CIVIL
STATE OF CALIFORNIA

SHEET NO.
L2.2



Abbreviations	
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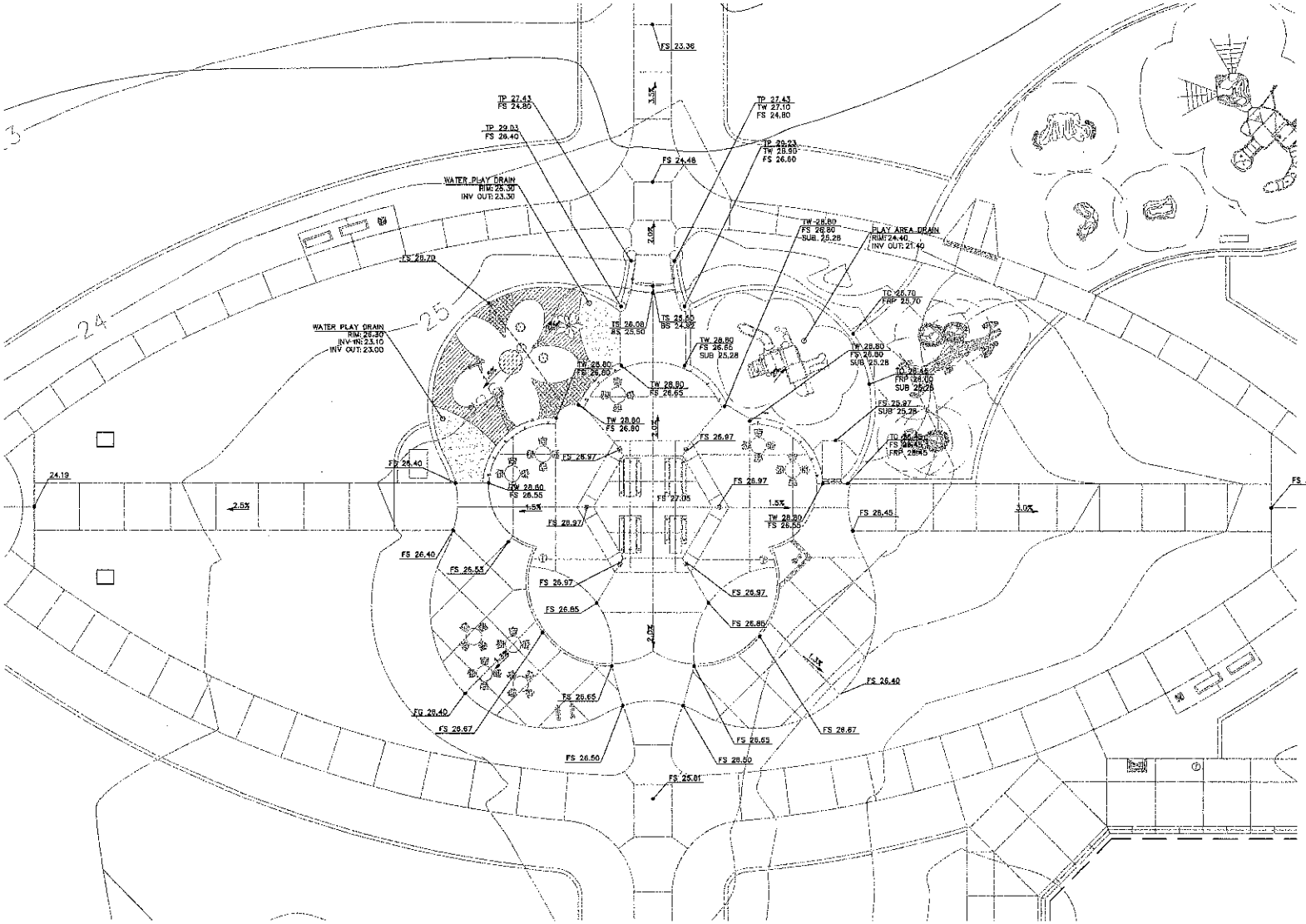

Abbreviations

HP	High Point
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BS	Bottom of Step
CB	Catch Basin
TP	Top of Pilaster
TW	Top of Wall
TC	Top of Curb
FS	Finish Surface
FG	Finish Grade
FRP	Finish Resilient Paving Grade
SUB	Play Area Subgrade

Plaza Detail
1"=10'-0"

I have complied with the criteria of Sacramento City Code Chapter 15.92 and applied them according for the efficient use of water in the grading design plan.

Bid Set

0' 30' 60' 90'
Scale 1"=30'-0"

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915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

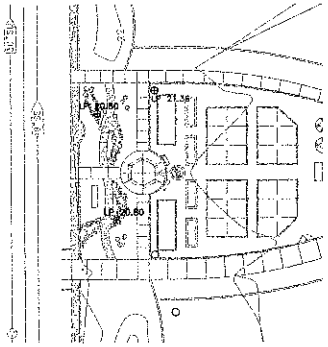
WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
GRADING PLAN

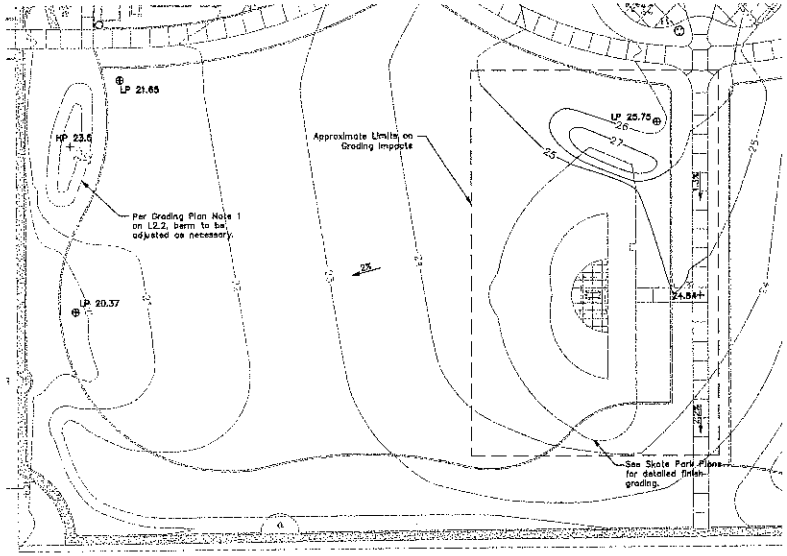
CIVIL ENGINEER
A. ENGEL
DESIGN BY/DRAWN BY
MJ / FD
CAD FILE
DATE OCT. 25, 2013
SCALE 1" = 10'
P. N. (L19.1870.01)
REVISIONS

Exp. 9/30/14
CIVIL

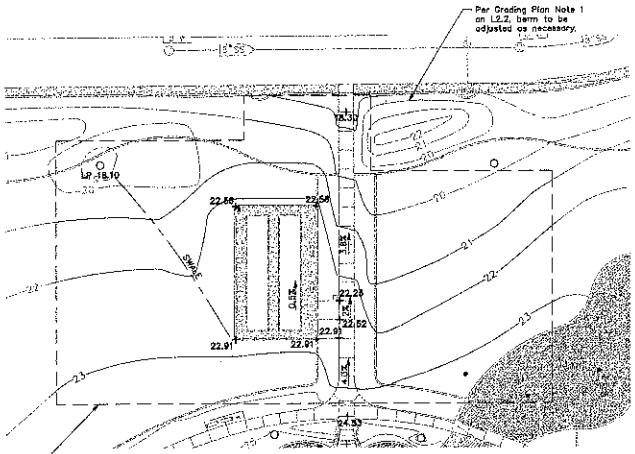
SHEET NO.
L2.4



Alternative Bid Item #3
Demonstration Garden Area
SCALE: 1"=30'



Alternative Bid #1
Skate Park Area
SCALE: 1"=30'



Alternative Bid Item #3
Bocce Ball Court
SCALE: 1"=30'

Grading Plan Legend

20	Base Contour
20	Bid Item Contour

Abbreviations

HP	High Point
LP	Low Point
SW	Sidewalk
TS	Top of Step
BS	Bottom of Step
CB	Catch Basin
TP	Top of Pilaster
TW	Top of Wall
TC	Top of Curb
FS	Finish Surface
FG	Finish Grade
FRP	Finish Resilient Paving Grade
SUB	Play Area Subgrade

I have complied with the criteria of Sacramento City Code Chapter 15.92 and applied them according for the efficient use of water in the grading design plan.

Bid Set

0' 30' 60' 90'
Scale 1"=30'-0"

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CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
GRADING PLAN

CIVIL ENGINEER
A. ENGEL

DESIGN BY/DRAWN BY
MJ / KD

CAD FILE

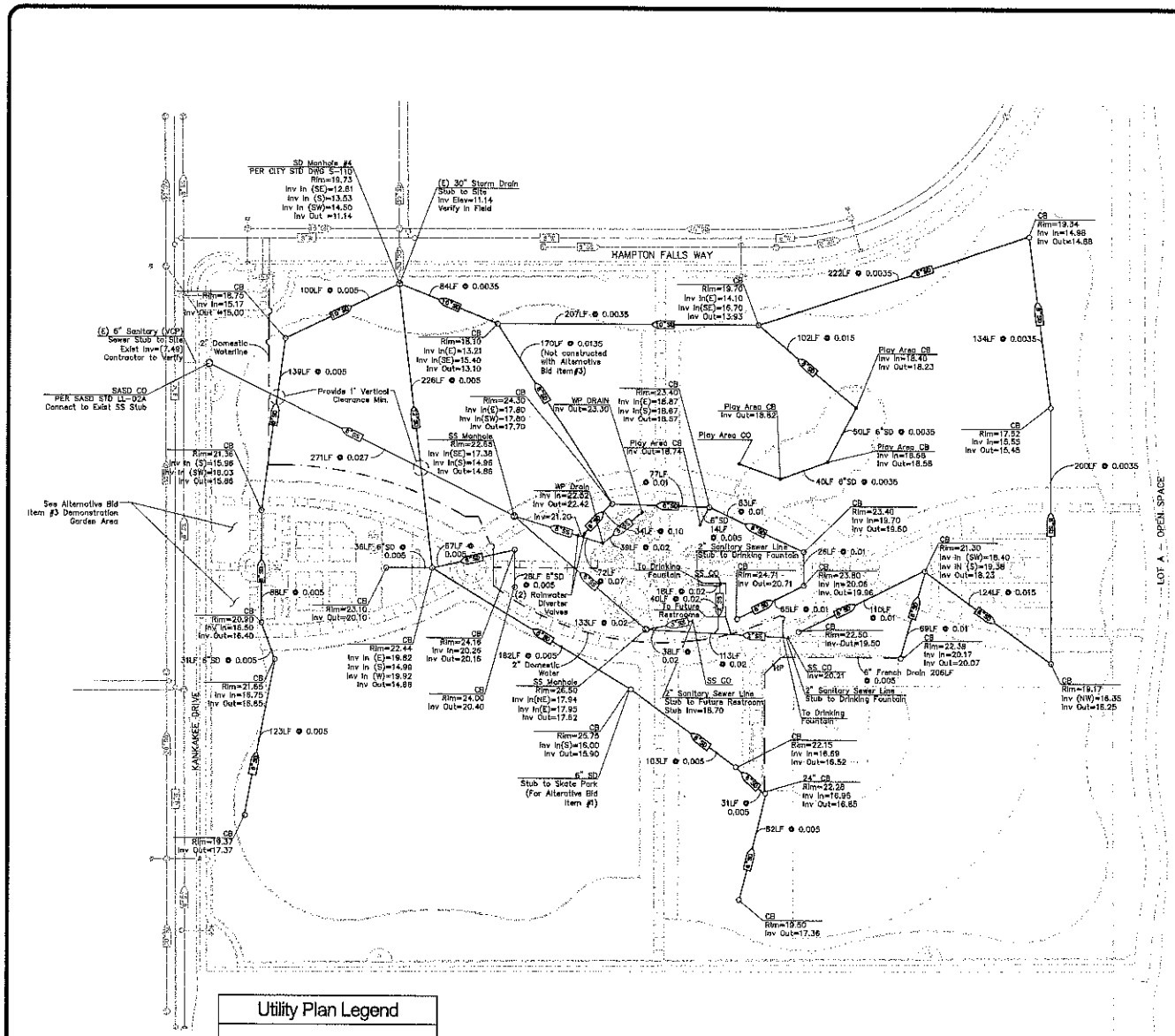
DATE OCT. 25, 2013

SCALE 1" = 30'

P. N. L19.1870.01

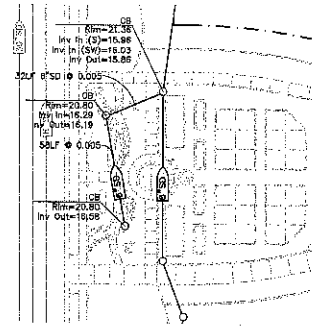
REVISIONS

SHEET NO.
L2.5

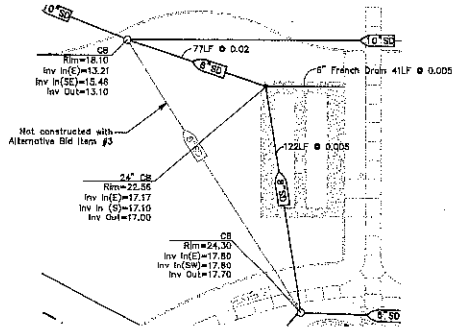


Utility Plan Notes

1. The type, locations, sizes, and/or depths of existing underground utilities as shown on these improvement plans were obtained from sources of varying reliability. The Contractor is cautioned that only actual excavation will reveal the types, extent, sizes, locations, and depths of such underground utilities. A reasonable effort has been made to locate and delineate all known underground utilities. Mark Thomas and Company can assume no responsibility for the completeness or accuracy of its delineation of such underground utilities nor the existence of other buried objects or utilities which may be encountered but which are not shown on these drawings.
2. The Contractor shall contact and coordinate with all utility companies and/or districts on the location and placement of utilities during construction operations.
3. Contractor shall expose end of existing sewer and drain pipes or structures for locations and elevation prior to placement of pipe. All costs of such excavation and backfill shall be included in the bid price.
4. Any existing utility structure including but not limited to valve boxes, sewer and storm manholes and inlets, electrical, gas, and telephone boxes and vaults occurring in the location of the proposed improvements shall be reset to the proper final grade. Payment for such adjustments shall be included in the bid price and no additional compensation shall be allowed thereafter.
5. All storm drain, sewer, and domestic water facilities and construction shall be in accordance with the latest edition of the City of Sacramento Improvement Standards and Standard Drawings.
6. Required clearances between sewer and water stubs to drinking fountains must be met.



Alternative Bid Item #3
Demonstration Garden Area
SCALE: 1"=30'



Alternative Bid Item #3
Bocce Ball Court
SCALE: 1"=30'

Utility Plan Legend

- Catch Basin
- Proposed Storm Drain
- Existing Storm Drain
- Proposed Sanitary Sewer
- Existing Sanitary Sewer
- Domestic Waterline
- Manhole

Bid Set

0' 40' 80' 120'
Scale 1"=40'-0"

MARK THOMAS & COMPANY
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DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PNL19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
UTILITIES PLAN

CIVIL ENGINEER
A. ENGEL

DESIGN BY/DRAWN BY
MJ/ED

CAD FILE

DATE OCT. 29, 2013

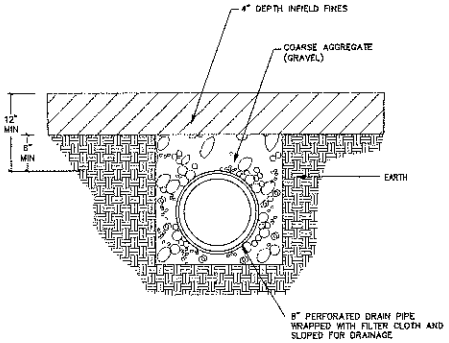
SCALE 1" = 40'

P. N. (L19.1870.01)

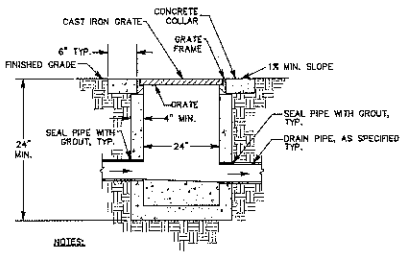
REVISIONS

Exp. 9/30/14
CIVIL
STATE OF CALIFORNIA

SHEET NO.
L3.1



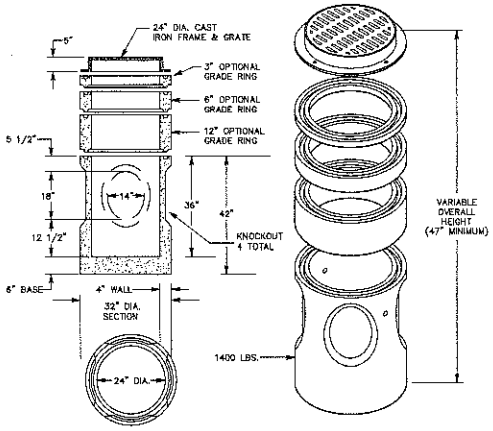
French Drain At Ballfield
NTS



NOTES:

1. ROUND CATCH BASIN MAY BE POURED IN PLACE OR PRECAST.
2. 6" CONCRETE COLLAR SURROUNDS CATCH BASIN.
3. GROUT SHALL BE NON-SHRINK EPOXY GROUT, MEADOWS "SEAL-TIGHT", OR APPROVED EQUAL.
4. GROUT THE BOTTOM OF THE CATCH BASIN TO ELIMINATE STANDING WATER AT THE BOTTOM OF THE D.I.

Catch Basin
NTS



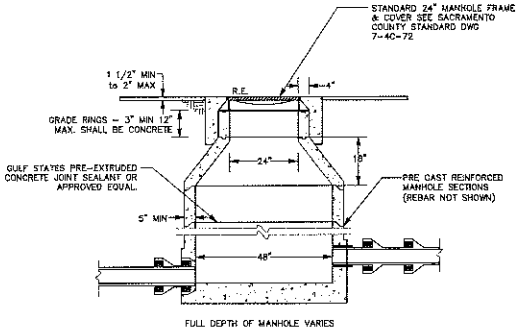
DESIGN LOAD:
H-20 TRAFFIC

FOR COMPLETE DESIGN, AND PRODUCT INFORMATION, CONTACT JENSEN PRECAST.

9/30/08
DE200.dwg
© 2002 Jensen Precast

2432 GR-03 GRADE RING	92 LBS.
2432 GR-06 GRADE RING	183 LBS.
2432 GR-12 GRADE RING	386 LBS.

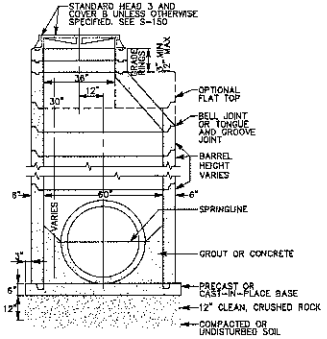
Catch Basin (H>47")
NTS



NOTES:

1. FOR DETAILS NOT SHOWN, SEE SACRAMENTO COUNTY STANDARD DWG 7-4C-30.

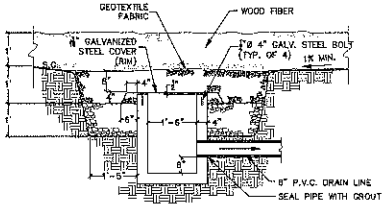
SS Manhole
NTS



NOTES:

1. FOR DETAILS NOT SHOWN, SEE CITY OF SACRAMENTO STANDARD DWG S-110.

SD Manhole # 4
NTS



Play Area Catch Basin
NTS

Bid Set

MARK THOMAS & COMPANY
7300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100 FAX:(916)381-9180

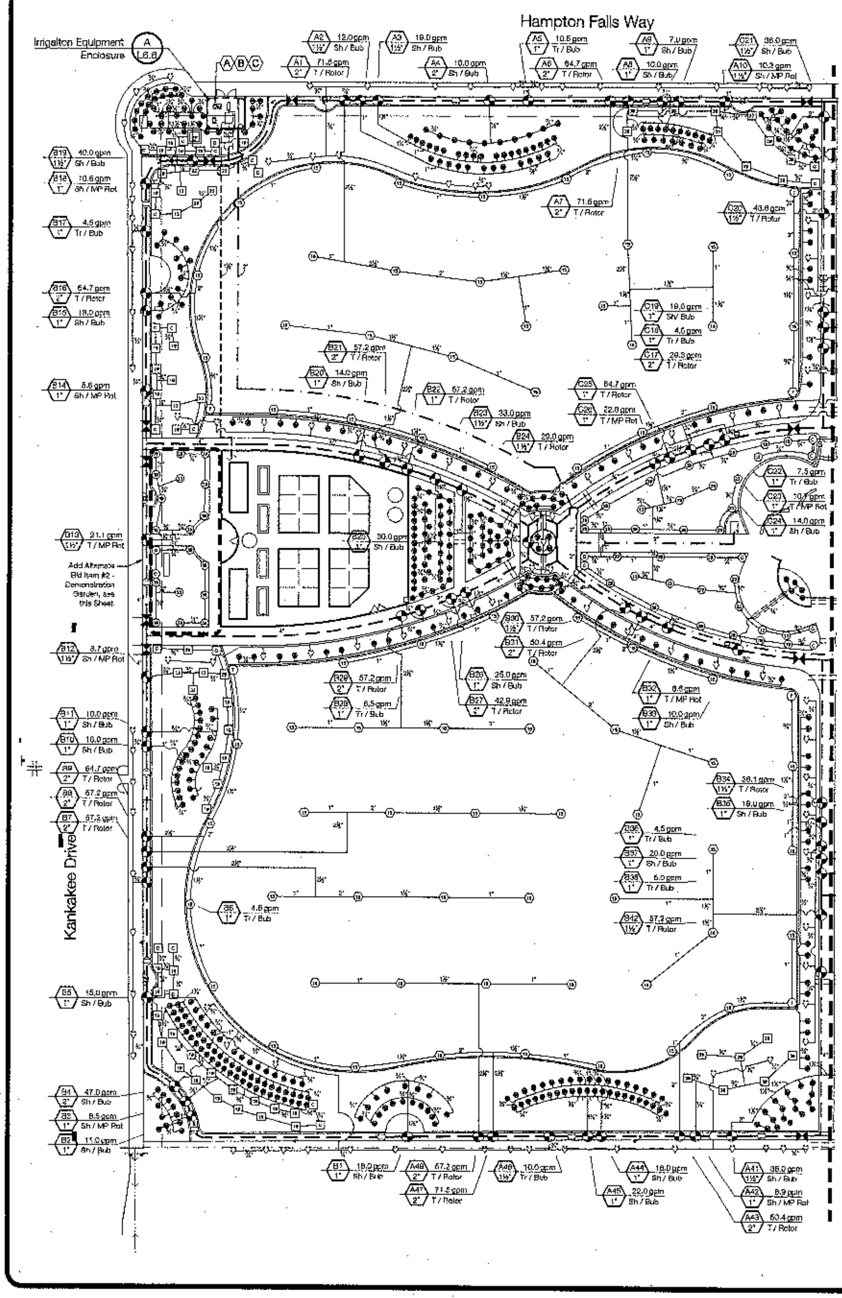
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN:LI9.1870.01

WILD ROSE PARK
SACRAMENTO, CA
UTILITIES DETAILS

CIVIL ENGINEER
A. ENGEL
DESIGN BY/DRAWN BY
MJ / KD
CAD FILE
DATE OCT. 25, 2013
SCALE None
P. N. (LI9.1870.01)
REVISIONS

SHEET NO.
L3.2



Irrigation Point of Connection

Contractor shall provide connection for the new irrigation system and domestic water line at this approximate location. System is designed for a maximum demand of 170 GPM with 60 psi min. at the emission device.

Contractor shall provide connection for domestic water system at this location. Refer to Irrigation Legend for additional information.

Reported design pressure (static pressure) upstream of the water meter is 35 psi. Contractor shall verify available static pressure in the field prior prior to construction. In the event of a discrepancy, Contractor shall notify the Landscape Architect in writing of any changes necessary to provide the required operational pressure and flow. If notification is not received, Contractor assumes full responsibility for system operability.

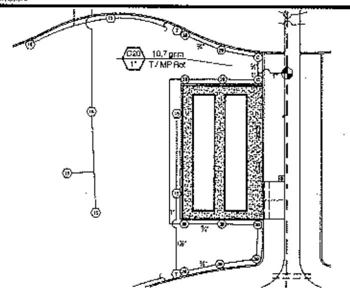
Irrigation Controller 'A, B & C'

Contractor shall provide and install a new back to back pedestal mounted controller (A & B) and pedestal mounted (C) as specified on the Irrigation Legend. Refer to the Irrigation Legend, Notes, Details, and specifications for additional information.

Controllers shall be installed adjacent to Irrigation POC on the corner of Kankakee Drive and Hampton Falls Way, as shown on Plans. Contractor responsible to coordinate all wiring, including electrical connection. Final location must be approved by the Landscape Architect and Project Inspector, prior to installation.

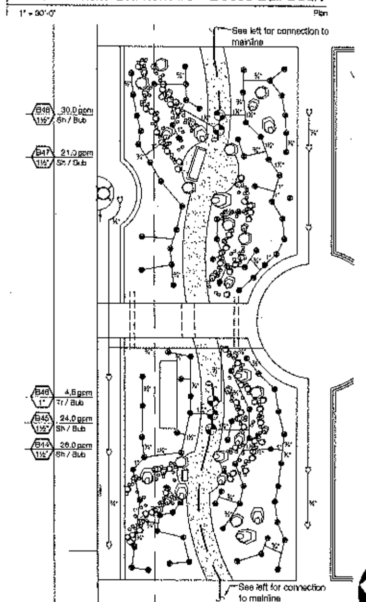
Notes:

1. Irrigation plans are drawn diagrammatically for clarity only. Contractor shall install all irrigation equipment per details and specifications. Mainlines and valves shall be located in the nearest planter.
2. Irrigation for tree bubblers are shown diagrammatically for clarity only. Bubblers shall be installed tree location as shown on the planting plans and per details.
3. Contractor is responsible to verify and coordinate all irrigation sleeving under pavement. Sleeving and conduit shown on the plans is shown diagrammatically for clarity. Refer to Engineers Plans and Project Specifications for additional information.



Add Alternate Bid Item #3 - Bocce Ball Court

1" = 30'-0" Plan



Add Alternate Bid Item #2 - Demonstration Garden

1" = 10'-0" Plan

Irrigation Legend

Symbol	Manufacturer	Description	PSI	GPM	P/R	Radius
(10)	Hunter	PROS-06-PRS40-CV-MP1000-90 Pop up multi-stream 90° - 210°	40	.18	.39	8'-15'
(12)	Hunter	PROS-06-PRS40-CV-MP1000-210 Pop up multi-stream 120° - 270°	40	.43	.39	8'-15'
(13)	Hunter	PROS-06-PRS40-CV-MP1000-360 Pop up multi-stream 360°	40	.75	.39	8'-15'
(20)	Hunter	PROS-06-PRS40-CV-MP2000-90 Pop up multi-stream 90° - 210°	40	.40	.39	13'-21'
(22)	Hunter	PROS-06-PRS40-CV-MP2000-210 Pop up multi-stream 120° - 270°	40	.88	.39	13'-21'
(23)	Hunter	PROS-06-PRS40-CV-MP2000-360 Pop up multi-stream 360°	40	1.47	.39	13'-21'
(30)	Hunter	PROS-06-PRS40-CV-MP3000-90 Pop up multi-stream 90° - 210°	40	.86	.37	22'-30'
(32)	Hunter	PROS-06-PRS40-CV-MP3000-210 Pop up multi-stream 120° - 270°	40	2.12	.39	22'-30'
(33)	Hunter	PROS-06-PRS40-CV-MP3000-360 Pop up multi-stream 360°	40	3.64	.39	22'-30'
(C)	Hunter	PROS-06-PRS40-CV-MPCORNER Pop up multi-stream 45° - 105°	40	–	.39	12'-15'
[10]	Hunter	PROS-12-PRS40-CV-MP1000-90 Pop up multi-stream 90° - 210°	40	.19	.39	8'-16'
[12]	Hunter	PROS-12-PRS40-CV-MP1000-210 Pop up multi-stream 120° - 270°	40	.45	.38	8'-16'
[13]	Hunter	PROS-12-PRS40-CV-MP1000-360 Pop up multi-stream 360°	40	.75	.38	8'-16'
[20]	Hunter	PROS-12-PRS40-CV-MP2000-90 Pop up multi-stream 90° - 210°	40	.40	.39	13'-21'
[22]	Hunter	PROS-12-PRS40-CV-MP2000-210 Pop up multi-stream 120° - 270°	40	.86	.38	13'-21'
[30]	Hunter	PROS-12-PRS40-CV-MP3000-90 Pop up multi-stream 90° - 210°	40	.85	.37	22'-30'
[32]	Hunter	PROS-12-PRS40-CV-MP3000-210 Pop up multi-stream 120° - 270°	40	2.12	.39	22'-30'
[C]	Hunter	PROS-12-PRS40-CV-MPCORNER Pop up multi-stream 45° - 105°	40	--	.39	12'-15'
(7)	Hunter	I-25-06-07 Pop up Rotor with #07 Nozzle	60	7.5	.63	48'
(15)	Hunter	I-26-06-15 Pop up Rotor with #15 Nozzle	60	14.3	.55	57'
⊛	Hunter	PCN-10 Pressure compensating bubbler on flexible riser	40	1.0	–	1'
▽	Hunter	PCB-50 Pressure compensating bubbler on flexible riser (2 per tree)	40	.5 (x2)	--	2'
(A)(B)	Rain Master	Evolution DX2 Controller A & B: model # SA2-RM4-TW+TW/PED-18DSS/RFL/HWB/PMR-CAC/PMR-CAC/DFSAV-100B+300P/EV-CAB-CAB-COM/EV-CAB-SEN/TW-D-1/TW-LA-1 (2) 48 station satellite assemblies with TWICE boards, radio and flat antenna, hard wire communication, (2) permanent mounted receivers with control access codes, dual flow sensor and master valve. Mounted in a back to back stainless steel enclosure.				
(C)		Controller C: model # SA1-RM4-TW/PED-18SS/HWB/PMR-CAC/TW-D-1/TW-LA-1 48 station satellite assembly with TWICE board, hard wire communication, permanent mounted receiver with control access codes. Mounted in a stainless steel enclosure. Contractor shall install controllers and all components per manufacturer's specifications. Lightning arrestor shall be installed per manufacturer's specification, placed every 500'. All wire splices shall have DBR/Y-6 connectors. Contact: Jim Weller at (925) 451-1610 with John Deere Green Tech at (925) 451-1610 for ordering information.				
[M]	Approved	4" water meter for irrigation. Contractor shall install new meter per City Standard detail W-607 at the existing backflow preventer location. Verify location of existing meter box and backflow preventer in the field. See Detail A on sheet L6.6				
[M]	Approved	1" water meter for domestic water service to the site. City shall install new meter per City Standard detail W-606 at the existing water meter box location. Verify location in the field. See Detail A, Sheet L6.6				
[M]	ARAD	(1) 1" Sub-meter for Community Garden. Install per manufacturer's detail				
⧓	Existing	4" reduced pressure backflow assembly servicing irrigation system for the site. Contractor shall install new backflow enclosure by Placer Waterworks model #PW/E1A1 insulated backflow preventer enclosure or approved equal. Color: green. Available through Placer Waterworks,Inc. (916) 773-2959, FAX (916) 773-2958. Size to fit. Install per City Standard detail W-607 and Standard Specifications.				
⧓	Watts	Model # LF007 - 1" Lead free backflow preventer shall be in a steel enclosure by Placer Waterworks model #PW/E1A1 insulated backflow preventer enclosure or approved equal, size per backflow dimensions. Color shall be green. Available through Placer Waterworks,Inc. (916) 773-2959, FAX (916) 773-2958. Size to fit. Install per City Standard detail W-607 and Standard Specifications.				
[P]	Custom Pump and Power	Pre-packaged irrigation booster pump system Model: 170HLAD327213-1/80VFD, Single Phase: 240-Volt, 80-Amp breaker for FL 47-amp load, Maximum flow: 170- GPM with 67- PSI boost. Refer to details for additional information. Manufactured by Custom Pump and Power. (916) 429.9729				
Not Shown	---	Master Valve - Included as a part of controller assembly. See Detail A, Sheet L6.6				
Not Shown	---	Flow Sensor - Included as a part of controller assembly. See Detail A, Sheet L6.6				
⋈	Nibco	Gate Valve, with non-rising stem - Model # T-113 for (1" - 3" size) model # F-619-RW-SON (4" and larger size) Install in concrete boxes with concrete locking lids.				
⊖	Hunter	Model # HQ-5LRC - 1" quick coupling valve, 1-piece body with yellow rubber cover				
●	Hunter	Model # IBV-AS-ADJ: Brass electric control valve with adjustable pressure regulation, with Sch. 80 PVC ball valve by Hunter or equal. Size per plans. All valves shall have Christy ID tags in valve boxes.				
— — —	--	Irrigation mainline PVC Sch. 40 solvent weld. Contractor shall use Weld-on P-70 primer and Weld-on 711 Industrial Grade Grey cement for 2" and smaller, Class 200 ring-tite PVC for sizes 2 1/2" and larger with Sch. 80 fittings. Size per plans. Contractor shall pressure test all mainlines.				
Not Shown	Leemco	Joint restraints: Contractor shall install Leemco joint restraints on all mainlines 4" and larger at changes of direction. Install per manufacturer's specifications. Contact Jack Prust at (530) 878-2922 with Jack Prust Sales for additional information.				
— · —	--	Domestic water line, Sch. 40 PVC (Drinking Fountain, Water Play Area, Future Restroom) - See Civil Plans				
— —	--	Domestic water line, Sch. 40 PVC (Community Garden)				
——	---	Class 200 PVC irrigation lateral, size per plan.				
═ ═	--	Schedule 40 sleeve, 2x diameter of pipe to be sleeved, and extend 12" beyond edge of pavement.				
Not Shown	---	Gray Schedule 40 PVC (Conduit) for controller wire at under pavement crossings. Size per specifications				

0' 30' 60' 90'

Scale 1"=30'-0" 10412

I have complied with the criteria of Sacramento City Code Chapter 15.92 and applied them for the efficient use of water in the Irrigation Design Plan.

Bid Set

The HLA Group
Landscape Architects & Planners, Inc.
2600 Capitol Avenue, Suite 120
Sacramento, California 95816
916.447.7400
www.hlagroup.com

CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION

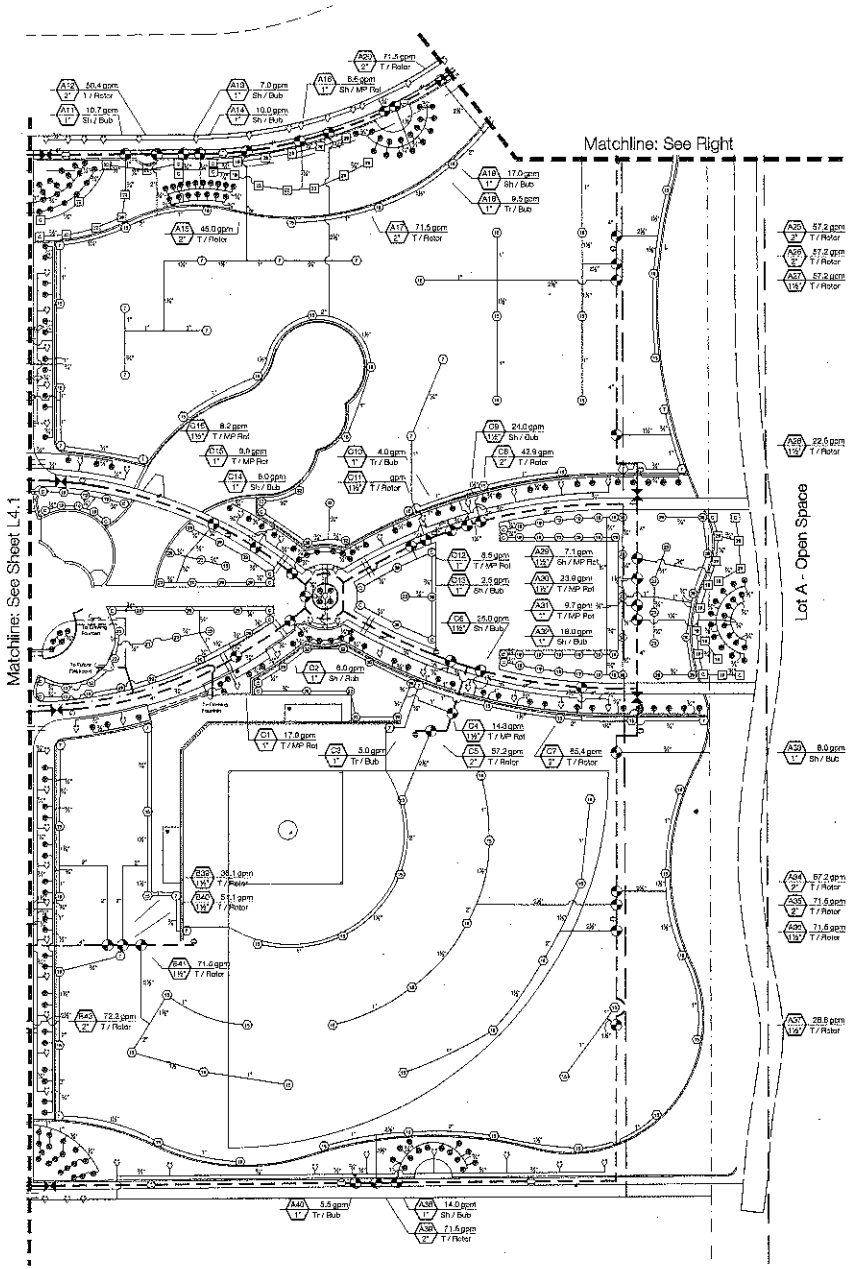
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

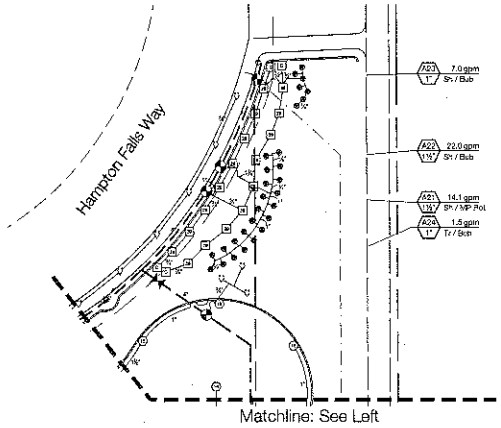
WILD ROSE PARK PN:L19,1870.01

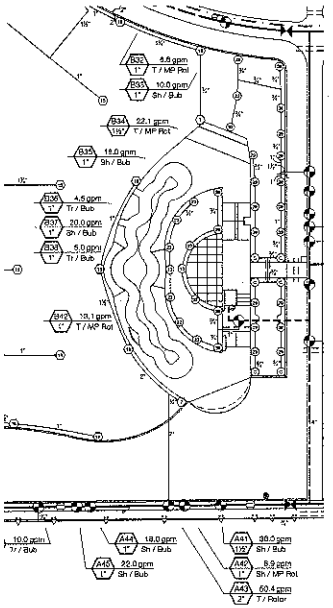
WILD ROSE PARK
SACRAMENTO, CA
Irrigation Plan

LANDSCAPE ARCHITECT GPH
DESIGN BY/DRAWN BY GPH / AS
CAD FILE
DATE OCT. 25, 2015
SCALE
P. N. (L19.1870.01)
REVISIONS

SHEET NO.
L4.1







Add Alternate Bid Item #1 - Concrete Skate Area

1" = 30'-0"

Plan

Irrigation Notes

1. The sprinkler system is based on the minimum operating pressure and the maximum flow demand shown on the drawings. The Contractor shall verify water pressure prior to construction. Report to the Landscape Architect any difference between the water pressure shown on the drawings and the actual pressure reading at the point of connection. In the event pressure differences are not reported in writing prior to the start of construction, the Contractor shall assume full responsibility for any necessary revisions.
2. This design is diagrammatic. All piping, valves, etc., shown within paved areas are for design clarification only. Install piping and valves in planting areas where possible, and locate electric control and quick coupling valves in ground cover/shrub areas, 6" to 12" away from edge of sidewalk for easy access.
3. It is the responsibility of the Contractor to familiarize himself with all grade differences, location of walls, structures, and utilities. The Contractor shall exercise extreme care and be responsible for any damage in excavating and working near existing utilities. He shall coordinate his work for the location of utilities and the installation of pipe sleeves through walls, under roadways, and near structures. Prior to construction, contact all applicable agencies and C.G.A. at 811 to field locate all existing utilities.
4. The final location of all automatic controllers shall be approved by the Landscape Architect prior to installation.
5. 12 / 1½" / 30.5 gpm — Indicates controller station number; Indicates gallons per minute (CR gallons per hour if "GPH"); Indicates remote control valve size
6. The Contractor shall flush all lines prior to installing sprinkler heads. The Contractor shall be responsible for complete and effective coverage of all planting areas, and eliminating overspray onto walks, streets, buildings, etc. Adjustments that may be required include installation of filter screens, adjustable arc nozzles, and check valves to eliminate low head drainage.
7. Field adjustments may be required to provide optimum operating efficiency. The Contractor shall be responsible for contacting the Landscape Architect to review proposed field adjustments prior to installation. In the event that no written request is received by the Landscape Architect, the Contractor shall be responsible for any revisions.
8. Sleeve all pressure mainline pipe, lateral pipe, and control wires under streets and concrete walkways with the proper size schedule 40 PVC and depth as specified. All irrigation line under pavement shall be installed with tracer wire. Sleeving shall be coordinated with other trades and placed before other work where possible.
9. Do not willfully install the sprinkler system as diagrammatically shown on the drawings when it is obvious in the field that obstructions, grade differences or differences in site dimensions exist that might not have been foreseen and considered in the engineering. The Landscape Architect should be informed in writing of such obstructions and differences, but in the event that this notification is not performed, the Contractor shall assume full responsibility for any revisions and repair work necessary.
10. Install all pipe materials and equipment as shown in the construction details. Use Teflon tape on all PVC male threads of all sprinkler swing joints and valve assemblies, except marlex fittings.
11. Install two (2) additional station wires and one (1) additional common wire from each controller location, looped in and out of each valve box with 18" extra wire length (coil loosely within box), the entire length of the main line.
12. For additional information, see project details and specifications.

Notes:

1. Irrigation plans are drawn diagrammatically for clarity only. Contractor shall install all irrigation equipment per details and specifications. Mainlines and valves shall be located in the nearest planter.
2. Irrigation for tree bubblers are shown diagrammatically for clarity only. Bubblers shall be installed tree location as shown on the planting plans and per details.
3. Contractor is responsible to verify and coordinate all irrigation sleeving under pavement. Sleeving and conduit shown on the plans is shown diagrammatically for clarity. Refer to Engineers Plans and Project Specifications for additional information.

I have complied with the criteria of Sacramento City Code Chapter 15.92 and applied them for the efficient use of water in the Irrigation Design Plan.

0' 30' 60' 90'

Scale 1"=30'-0" 10412

Bid Set

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CITY OF SACRAMENTO
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WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Irrigation Plan

LANDSCAPE ARCHITECT GPH
DESIGN BY/DRAWN BY GPH / AS
CAD FILE
DATE OCT. 25, 2013
SCALE
P. N. L19.1870.01
REVISIONS

SHEET NO. L4.2

Irrigation Schedule 'A'

The HLA Group Landscape Architects & Planners, Inc.
Community Design • Parks and Recreation • Urban Design • Planning • Environmental Design • Business Environments

Irrigation Scheduling Guidelines
Based upon WUCOLS III 2000, CIMIS, & UC CE guide

Project name: Wild Rose Park
Project #: 10412
Date: 9-Aug-13
POC: 4"

Reference data

Nearest data location: Sacramento

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Reference Eto (in./mo.)	1.65	2.20	3.66	5.08	6.83	7.80	8.67	7.81	5.67	4.03	2.13	1.59
Historical average precipitation	3.75	3.27	2.39	1.48	0.46	0.13	0.03	0.08	0.21	0.92	2.03	3.19
Effective precip (hist. Ave. - 0.2" * 75%)	2.66	2.30	1.54	0.96	0.20	0.00	0.00	0.00	0.01	0.54	1.37	2.24
Base required irrigation (in./mo.)	0.00	0.00	2.02	4.12	6.64	7.80	8.67	7.81	5.66	3.49	0.76	0.00

Hydrozone Information Table

Hydrozone data summary / Model Ord. Area Calculations

Zone	Description	Ks	Kd	Kmc	KL	Irr Type	IE	PR	Soil Type	BR	AW	RZ	PAW	MAD	AD	HA (sqft)	% of landscape area
A1	Turf / Rotor (T / Rotor)	0.80	0.8	1.0	0.64	Rotor	0.80	0.74	Clay Loam	0.2	0.18	8	1.44	50%	0.72	93,067	67%
A2	Turf / MP Rotor (T / MP Rot)	0.80	0.8	1.0	0.64	MultiStrm	0.85	0.39	Clay Loam	0.2	0.18	8	1.44	50%	0.72	5,434	4%
A3	Shrub / Bubblers (Sh / Bub)	0.20	1.0	1.0	0.20	Bubbler	0.80	1.70	Clay Loam	0.2	0.18	18	3.24	50%	1.62	10000	8%
A4	Shrub / MP Rotators (Sh / MP Rot)	0.20	1.0	1.0	0.20	MultiStrm	0.85	0.39	Clay Loam	0.2	0.18	18	3.24	50%	1.62	24958	20%
A5	Trees / Bubblers (T / Bub)	0.50	1.0	1.3	0.65	Bubbler	0.80	1.00	Clay Loam	0.2	0.18	36	6.48	50%	3.24	0	0%
															Total:	123,467	100%

Controller Schedule by Valve

POC A / CONTROLLER A

Zone	Description / Valves	Valve Qty	Temp?		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A1	Turf / Rotor (T / Rotor) A1, A5, A7, A12, A16, A17, A20, A25, A26, A27, A28, A34, A35, A36, A37, A39, A43, A47, A48; Max. Minutes / Cycle 16	19	N	Ir. Days / Wk	0	0	1	1	2	2	2	2	2	1	1	0
				Cycles / Day	0	0	2	4	4	4	4	4	3	4	1	0
				Min. / Cycle	0	0	15	18	13	15	16	15	16	13	12	0
A2	Turf / MP Rotor (T / MP Rot) A30, A31; Max. Minutes / Cycle 31	2	N	Ir. Days / Wk	0	0	2	2	2	2	2	2	2	2	2	0
				Cycles / Day	0	0	1	2	3	4	4	4	3	2	1	0
				Min. / Cycle	0	0	27	27	29	28	29	26	25	23	10	0
A3	Shrub / Bubblers (Sh / Bub) A2, A3, A4, A6, A9, A11, A13, A14, A19, A22, A23, A32, A33, A38, A41, A44, A45; Max. Minutes / Cycle 7	17	N	Ir. Days / Wk	0	0	1	1	1	1	1	1	1	1	1	0
				Cycles / Day	0	0	1	2	2	3	3	3	2	1	1	0
				Min. / Cycle	0	0	5	5	7	6	8	8	6	7	2	0
A4	Shrub / MP Rotators (Sh / MP Rot) A10, A18, A21, A29, A42; Max. Minutes / Cycle 31	5	N	Ir. Days / Wk	0	0	1	2	2	2	2	2	2	2	1	0
				Cycles / Day	0	0	1	1	1	2	2	2	1	1	1	0
				Min. / Cycle	0	0	17	18	28	17	18	16	24	16	7	0
A5	Trees / Bubblers (T / Bub) A8, A15, A24, A40, A44; Max. Minutes / Cycle 12	5	N	Ir. Days / Wk	0	0	1	1	1	1	1	1	1	1	1	0
				Cycles / Day	0	0	2	4	7	8	8	8	6	4	1	0
				Min. / Cycle	0	0	12	12	11	12	12	11	11	10	9	0
	Total Valves:	48														

Total Irrigation System Runtime

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Maximum system runtime per irrigation day based upon single-station operation*, up to 7 days per week.	Hrs	0.0	0.0	2.3	4.9	7.7	9.1	9.8	9.0	6.6	3.9	0.9	0.0

*Valves may be run simultaneously up to the "Maximum Flow" indicated on drawings to decrease the total system run time.

NOTES:
1. Irrigation must occur between the hours of 10 PM and 10 AM only.
2. Irrigation times shown are for the ESTABLISHED landscape. Increase run-times by 25 percent during establishment period. Increase number of days, if necessary to complete the entire irrigation cycle within the time limitation noted above (note 1).
3. Actual run-time may vary in accordance with varying site conditions. Determine optimum run-times according to plant maturity, environmental conditions, and other site conditions to ensure good plant health. Adjust when needed as conditions change.
4. Do not allow run-off.

Irrigation Schedule 'B'

The HLA Group Landscape Architects & Planners, Inc.
Community Design • Parks and Recreation • Urban Design • Planning • Environmental Design • Business Environments

Irrigation Scheduling Guidelines
Based upon WUCOLS III 2000, CIMIS, & UC CE guide

Project name: Wild Rose Park
Project #: 10412
Date: 9-Aug-13
POC: 4"

Reference data

Nearest data location: Sacramento

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Reference Eto (in./mo.)	1.59	2.20	3.66	5.08	6.83	7.80	8.67	7.81	5.67	4.03	2.13	1.59
Historical average precipitation	3.75	3.27	2.39	1.48	0.46	0.13	0.03	0.08	0.21	0.92	2.03	3.19
Effective precip (hist. Ave. - 0.2" * 75%)	2.66	2.30	1.64	0.96	0.20	0.00	0.00	0.00	0.01	0.54	1.37	2.24
Base required irrigation (in./mo.)	0.00	0.00	2.02	4.12	6.64	7.80	8.67	7.81	5.66	3.49	0.76	0.00

Hydrozone Information Table

Hydrozone data summary / Model Ord. Area Calculations

Zone	Description	Ks	Kd	Kmc	KL	Irr Type	IE	PR	Soil Type	BR	AW	RZ	PAW	MAD	AD	HA (sqft)	% of landscape area
A1	Turf / Rotor (T / Rotor)	0.80	0.8	1.0	0.64	Rotor	0.80	0.74	Clay Loam	0.2	0.18	8	1.44	50%	0.72	85,359	77%
A2	Turf / MP Rotor (T / MP Rot)	0.80	0.8	1.0	0.64	MultiStrm	0.85	0.39	Clay Loam	0.2	0.18	8	1.44	50%	0.72	3,133	3%
A3	Shrub / Bubblers (Sh / Bub)	0.20	1.0	1.0	0.20	Bubbler	0.80	2.50	Clay Loam	0.2	0.18	18	3.24	50%	1.62	11168	10%
A4	Shrub / MP Rotators (Sh / MP Rot)	0.20	1.0	1.0	0.20	MultiStrm	0.85	0.39	Clay Loam	0.2	0.18	18	3.24	50%	1.62	10648	10%
A5	Trees / Bubblers (T / Bub)	0.50	1.0	1.3	0.65	Bubbler	0.80	1.00	Clay Loam	0.2	0.18	36	6.48	50%	3.24	0	0%
															Total:	110,306	100%

Controller Schedule by Valve

POC A / CONTROLLER B

Zone	Description / Valves	Valve Qty	Temp?		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A1	Turf / Rotor (T / Rotor) B7, B5, B9, B18, B21, B22, B24, B27, B29, B30, B31, B39, B40, B41, B43; Max. Minutes / Cycle 16	15	N	Ir. Days / Wk	0	0	1	1	2	2	2	2	2	1	1	0
				Cycles / Day	0	0	2	4	4	4	4	4	3	4	1	0
				Min. / Cycle	0	0	15	16	13	15	16	15	15	13	12	0
A2	Turf / MP Rotor (T / MP Rot) B13, B33, B34, B42; Max. Minutes / Cycle 31	4	N	Ir. Days / Wk	0	0	2	2	2	2	2	2	2	2	2	0
				Cycles / Day	0	0	1	2	3	4	4	4	3	2	1	0
				Min. / Cycle	0	0	27	27	28	28	29	28	26	23	10	0
A3	Shrub / Bubblers (Sh / Bub) B1, B2, B4, B6, B10, B11, B15, B19, B20, B23, B25, B26, B35, B36, B37, B44*, B45*, B47*, B48*; Max. Minutes / Cycle 5	19	N	Ir. Days / Wk	0	0	1	1	1	1	1	1	1	1	1	0
				Cycles / Day	0	0	1	2	2	3	3	3	2	1	1	0
				Min. / Cycle	0	0	3	3	5	4	4	4	4	5	2	0
A4	Shrub / MP Rotators (Sh / MP Rot) B3, B12, B14, B16; Max. Minutes / Cycle 31	4	N	Ir. Days / Wk	0	0	1	1	1	1	1	1	1	1	1	0
				Cycles / Day	0	0	1	2	2	3	3	3	2	1	1	0
				Min. / Cycle	0	0	17	18	28	22	24	22	24	29	7	0
A5	Trees / Bubblers (T / Bub) B8, B17, B28, B32, B38, B46*; Max. Minutes / Cycle 12	6	N	Ir. Days / Wk	0	0	1	1	1	1	1	1	1	1	1	0
				Cycles / Day	0	0	2	4	7	8	8	8	6	4	1	0
				Min. / Cycle	0	0	12	12	11	12	12	11	11	10	9	0
	Total Valves:	48														

Total Irrigation System Runtime

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Maximum system runtime per irrigation day based upon single-station operation*, up to 7 days per week.	Hrs	0.0	0.0	2.2	4.6	7.5	8.8	9.4	8.7	6.4	3.6	0.9	0.0

*Valves may be run simultaneously up to the "Maximum Flow" indicated on drawings to decrease the total system run time.

NOTES:
1. Irrigation must occur between the hours of 10 PM and 10 AM only.
2. Irrigation times shown are for the ESTABLISHED landscape. Increase run-times by 25 percent during establishment period. Increase number of days, if necessary to complete the entire irrigation cycle within the time limitation noted above (note 1).
3. Actual run-time may vary in accordance with varying site conditions. Determine optimum run-times according to plant maturity, environmental conditions, and other site conditions to ensure good plant health. Adjust when needed as conditions change.
4. Do not allow run-off.
5. * After valve number (i.e. B44*) denotes Add Alternate Valves

Irrigation Schedule 'C'

The HLA Group Landscape Architects & Planners, Inc.
Community Design • Parks and Recreation • Urban Design • Planning • Environmental Design • Business Environments

Irrigation Scheduling Guidelines
Based upon WUCOLS III 2000, CIMIS, & UC CE guide

Project name: Wild Rose Park
Project #: 10412
Date: 9-Aug-13
POC: 4"

Reference data

Nearest data location: Sacramento

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Reference Eto (in./mo.)	1.59	2.20	3.66	5.08	6.83	7.80	8.67	7.81	5.67	4.03	2.13	1.59
Historical average precipitation	3.75	3.27	2.39	1.48	0.46	0.13	0.03	0.08	0.21	0.92	2.03	3.19
Effective precip (hist. Ave. - 0.2" * 75%)	2.66	2.30	1.64	0.96	0.20	0.00	0.00	0.00	0.01	0.54	1.37	2.24
Base required irrigation (in./mo.)	0.00	0.00	2.02	4.12	6.64	7.80	8.67	7.81	5.66	3.49	0.76	0.00

Hydrozone Information Table

Hydrozone data summary / Model Ord. Area Calculations

Zone	Description	Ks	Kd	Kmc	KL	Irr Type	IE	PR	Soil Type	BR	AW	RZ	PAW	MAD	AD	HA (sqft)	% of landscape area
A1	Turf / Rotor (T / Rotor)	0.80	0.8	1.0	0.64	Rotor	0.80	0.74	Clay Loam	0.2	0.18	8	1.44	50%	0.72	31,072	48%
A2	Turf / MP Rotor (T / MP Rot)	0.80	0.8	1.0	0.64	MultiStrm	0.85	0.39	Clay Loam	0.2	0.18	8	1.44	50%	0.72	20,238	32%
A3	Shrub / Bubblers (Sh / Bub)	0.20	1.0	1.0	0.20	Bubbler	0.80	2.60	Clay Loam	0.2	0.18	18	3.24	50%	1.62	12,833	20%
A4	Shrub / MP Rotators (Sh / MP Rot)	0.20	1.0	1.0	0.20	MultiStrm	0.85	0.39	Clay Loam	0.2	0.18	18	3.24	50%	1.62	0	0%
A5	Trees / Bubblers (T / Bub)	0.50	1.0	1.3	0.65	Bubbler	0.80	1.00	Clay Loam	0.2	0.18	36	6.48	50%	3.24	0	0%
															Total:	64,143	100%

Controller Schedule by Valve

POC A / CONTROLLER C

Zone	Description / Valves	Valve Qty	Temp?		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A1	Turf / Rotor (T / Rotor) C1, C5, C7, C9, C11, C17, C20, C25; Max. Minutes / Cycle 16	8	N	Ir. Days / Wk	0	0	1	1	2	2	2	2	2	1	1	0
				Cycles / Day	0	0	2	4	4	4	4	4	3	4	1	0
				Min. / Cycle	0	0	15	16	13	15	16	15	15	13	12	0
A2	Turf / MP Rotor (T / MP Rot) C4, C12, C15, C16, C27, C23, C26; Max. Minutes / Cycle 31	6	N	Ir. Days / Wk	0	0	2	2	2	2	2	2	2	2	2	0
				Cycles / Day	0	0	1	2	3	4	4	4	3	2	1	0
				Min. / Cycle	0	0	27	27	29	28	29	25	25	23	10	0
A3	Shrub / Bubblers (Sh / Bub) C2, C6, C8, C13, C14, C18, C21, C24; Max. Minutes / Cycle 5	8	N	Ir. Days / Wk	0	0	1	1	1	1	1	1	1	1	1	0
				Cycles / Day	0	0	1	2	2	3	3	3	2	1	1	0
				Min. / Cycle	0	0	3	3	5	4	4	4	4	5	2	0
A4	Shrub / MP Rotators (Sh / MP Rot); Max. Minutes / Cycle 31	0	N	Ir. Days / Wk	0	0	1	1	1	2	1	1	1	1	1	0
				Cycles / Day	0	0	1	2	2	2	3	3	2	1	1	0
				Min. / Cycle	0	0	17	18	23	17	24	22	24	29	7	0
A5	Trees / Bubblers (T / Bub) C3, C10, C19, C22; Max. Minutes / Cycle 12	4	N	Ir. Days / Wk	0	0	1	1	1	1	1	1	1	1	1	0
				Cycles / Day	0	0	2	4	7	8	8	8	6	4	1	0
				Min. / Cycle	0	0	12	12	11	12	12	11	11	10	9	0
	Total Valves:	26														

Total Irrigation System Runtime

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Maximum system runtime per irrigation day based upon single-station operation*, up to 7 days per week.	Hrs	0.0	0.0	1.6	3.3	5.4	6.4	6.9	6.3	4.6	2.8	0.5	0.0

*Valves may be run simultaneously up to the "Maximum Flow" indicated on drawings to decrease the total system run time.

NOTES:
1. Irrigation must occur between the hours of 10 PM and 10 AM only.
2. Irrigation times shown are for the ESTABLISHED landscape. Increase run-times by 25 percent during establishment period. Increase number of days, if necessary to complete the entire irrigation cycle within the time limitation noted above (note 1).
3. Actual run-time may vary in accordance with varying site conditions. Determine optimum run-times according to plant maturity, environmental conditions, and other site conditions to ensure good plant health. Adjust when needed as conditions change.
4. Do not allow run-off.
5. * After valve number (i.e. C20*) denotes Add Alternate Valve

I have complied with the criteria of Sacramento City Code Chapter 15.92 and applied them for the efficient use of water in the irrigation Design Plan.

Bid Set

The HLA Group
Landscape Architects & Planners, Inc.
2800 Capitol Avenue, Suite 120
Sacramento, California 95816
916 447.7400
www.hlagroup.com

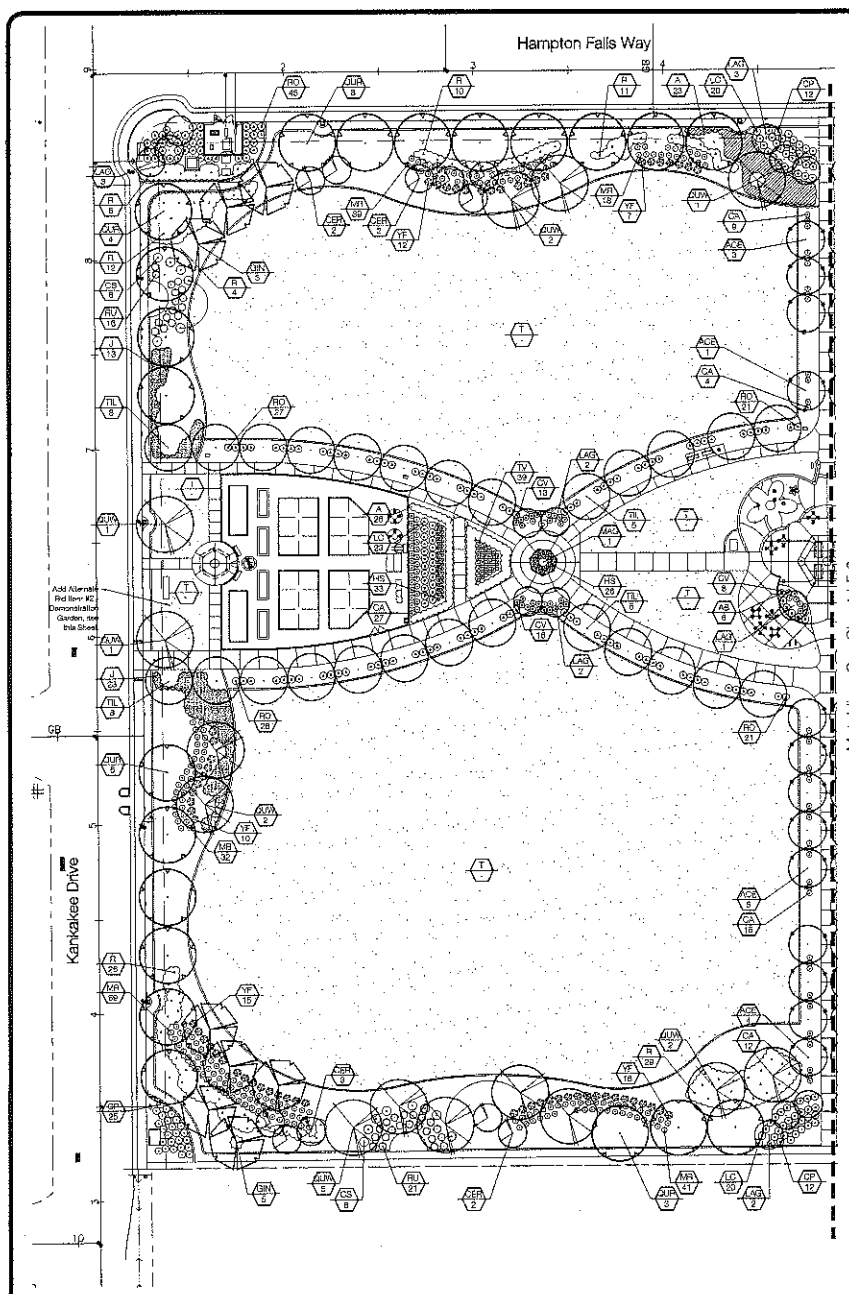
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN: 19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Irrigation Schedules

LANDSCAPE ARCHITECT: GPH
DESIGN BY/DRAWN BY: GPH / AS
CAD FILE
DATE: OCT. 25, 2013
SCALE
P. N. 19.1870.01
REVISIONS

SHEET NO. L4.3

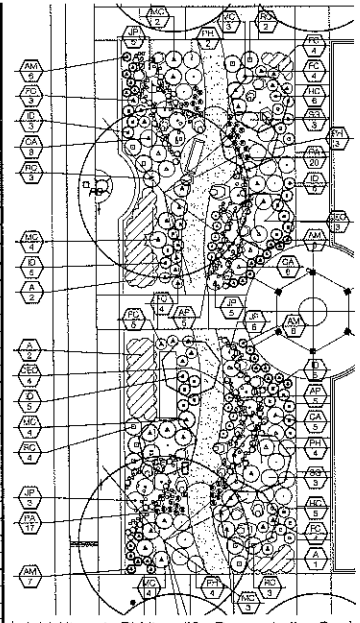


Planting Notes

1. Plant material quantities shown on drawings are informational only. The contractor is responsible for all plant material required.
2. FF 3 — Plant key / Quantity
3. Immediately after award of contract, the contractor shall notify the landscape architect if specified plant material is available from commercial nurseries. In case a plant is not available, the landscape architect will provide alternate plant material selections. Any plant substitutions shall be approved by a City of Sacramento Representative and the Landscape Architect. Such changes will not alter the contractor's original bid price unless a credit is due to the owner.
4. Excavated plant pits shall have positive drainage. Plant pits when fully flooded with water shall drain within 1 hour of filling. The contractor shall ensure all plant pits have positive drainage. See specific locations for exact requirements.
5. All plant materials shall comply with form and characteristic requirements as specified. All plant material will comply with ANSI Z60.1 "standard for nursery stock".
6. Landscape installation specifications are in book form. The contractor shall conform to all conditions and requirements contained within. The contractor shall have available on the job site at all times, the construction issue specification manual for inspection by the landscape architect. The contractor shall insert in the manual all official / approved addendums and/or change orders relative to the landscape installation in chronological order.
7. The contractor is responsible for soil erosion control measures that may be required through the duration of the contract period. Should there be existing soil erosion conditions that require mitigation when the contractor initially accepts the site, the landscape architect or owner should be alerted to its existence. Failure of the contractor to notify the landscape architect or owner implies acceptance of the site by the contractor in its existing condition. All costs necessary to mitigate existing erosion problems shall be at the contractor's expense and at no extra cost to the owner or increase in original bid amount.
8. The contractor shall verify locations of all underground utility systems prior to beginning any phase of construction that may cause damage to existing structures. Call U.S.A. To locate existing utilities at (800) 642-2444. The contractor shall be responsible for the repair / replacement of damaged utilities, to the satisfaction of the owner or governing agency and at no extra cost to the owner or increase in bid amount.
9. A 3" layer of bark mulch shall be provided in all non-lawn planting beds. Contractor shall submit mulch material sample to a City of Sacramento Representative, for approval prior to placement.
10. All soil in planting areas shall be amended per recommendations of attached soils report.
11. Apply pre-emergent prior to placing mulch layer. If the maintenance or construction period is longer than 6 months, then an additional application of pre-emergent will be required.
12. All landscaping within the City of Sacramento Right of Way boundary shall be installed per the latest edition of the Sacramento City Standard Construction Specifications.
13. Maintenance period shall be a minimum of 90 calendar days. Any plant material that has died after the maintenance period has begun will be subject to an additional 90-day maintenance period. Additional maintenance period may extend beyond the final acceptance of the project.
14. Where street trees are within five feet of the sidewalk and/or curb, provide root control barrier panels along the back of curb/face of sidewalk. Panels shall be 12" deep along sidewalk and 18" deep along curb per Section 4-30 of the County of Sacramento Improvement Standards. Center panels at each tree trunk and extend 10 feet in each direction. See Root Barrier Detail.

Plant Legend

Symbol	Botanical Name	Common Name	Container Size	Water Use	Mature Size	Remarks
Trees						
ACE	Acer rubrum 'Bowhall'	Red Maple	24" Box	M		Std.
CER	Cercis canadensis 'Oklahoma'	Eastern Redbud	15 gallon	M		Std.
CEO	Cercis occidentalis	Western Redbud	15 gallon	L		Std.
GIN	Ginkgo biloba 'Saratoga'	Maidenhair Tree	24" Box	M		Std.
LAG	Lagerstroemia indica 'Natchez'	White Crape Myrtle	15 gallon	L		Multi-Trunk
MAG	Magnolia soulangeana	Saucer Magnolia	24" Box	L		Multi-Trunk
TIL	Tilia americana 'Redmond'	American Linden	24" Box	L		Std.
QUR	Quercus rubra	Red Oak	15 Gal.	M		Std.
QUW	Quercus wislizenii	Interior Live Oak	24" Box	L		Std.
Shrubs						
AB	Abelia x grandiflora 'Kaleidoscope'	Kaleidoscope Abelia	5 Gal.	M	3' T X 2 1/2' W	
AM	Achillea millefolium 'Moonshine'	Moonshine Yarrow	1 Gal.	L	18" T X 18" W	
AP	Achillea millefolium 'Paprika'	Paprika Yarrow	1 Gal.	L	18" T X 18" W	
CA	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	5 Gal.	L	4' T X 3' W	
CV	Callistemon viminalis 'Little John'	Dwarf Bottlebrush	5 Gal.	M	3' T X 3' W	
CS	Cistus salviifolius 'Prostratus'	Sage-leaved Rock Rose	5 Gal.	L	2' T X 5' W	
CP	Coleonema pulchrum 'Sunset Gold'	Golden Breath of Heaven	1 Gal.	M	2' T X 4' W	
FC	Festuca californica	California Fescue	1 Gal.	L	2' T X 2' W	
HS	Hemerocallis spp. 'Red'	Red Daylily	1 Gal.	M	1' T X 1' W	
HC	Heuchera 'Santa Ana Cardinal'	Crimson Coral Bells	1 Gal.	L	1' T X 2' W	
ID	Iris douglasiana	Douglas Iris	1 Gal.	L	2' T X 2' W	
JP	Juncus patens	Rush	1 Gal.	L	2' T X 2' W	
LI	Lagerstroemia indica 'Whit II'	Double Feature Crape Myrtle	5 Gal.	L	5' T X 5' W	
LC	Loropetalum chinensis 'Suzanne'	Chinese Fringe Flower	5 Gal.	M	3' T X 4' W	
MC	Muhlenbergia capillaris	Pink Muhly	1 Gal.	L	3' T X 3' W	
MR	Muhlenbergia rigens	Deer Grass	5 Gal.	L	3' T X 3' W	
PA	Pennisetum alopecuroides 'Little Bunny'	Dwarf Fountain Grass	1 Gal.	L	1' T X 1' W	
PH	Penstemon heterophyllus 'Margarita BOP'	Penstemon	5 Gal.	L	2' T X 2' W	
RO	Rosmarinus officinalis 'Ingramii'	Collingwood Ingram Rosemary	1 Gal.	L	2' T X 4' W	
SG	Salvia greggii 'Furman's Red'	Furman's Red Sage	1 Gal.	L	3' T X 3' W	
TV	Tulbaghia violacea	Society Garlic	1 Gal.	L	2' T X 2' W	
RU	Rhaphiolepis umbellata 'Minor'	Dwarf Yedda Hawthorn	5 Gal.	L	4' T X 4' W	
RO	Rosa Meidland 'White'	White Meidland Rose	2 Gal.	L	2' T X 4' W	
YF	Yucca filamentosa 'Color Guard'	Adam's Needle	5 Gal.	L	3' T X 5' W	
Groundcovers / Turf						
A	Arctostaphylos 'Emerald Carpet'	Groundcover Manzanita	1 Gal.	L	1' T x 5' W	5' O.C.
J	Juniperus conferta 'Blue Pacific'	Groundcover Juniper	5 Gal.	L	1' T X 5' W	6' O.C.
R	Rosmarinus o. 'Huntington Carpet'	Carpet Rosemary	1 Gal.	L	1' T X 3' W	8' O.C.
T	Hydroseeded Turf	90/10 Dwarf Type Tall Fescue and Kentucky Bluegrass Blend.				



Add Alternate Bid Item #2 - Demonstration Garden
1" = 10'-0" Plan

0' 33' 66' 80'
Scale 1"=30'-0" 10412

Bid Set

I have complied with the criteria of Sacramento City Code Chapter 15.92 and applied them for the efficient use of water in the Landscape Design Plan.

The HLA Group
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3232 Cypress Avenue, Suite 120
Sacramento, California 95821
916 447.7400
www.hlagroup.com

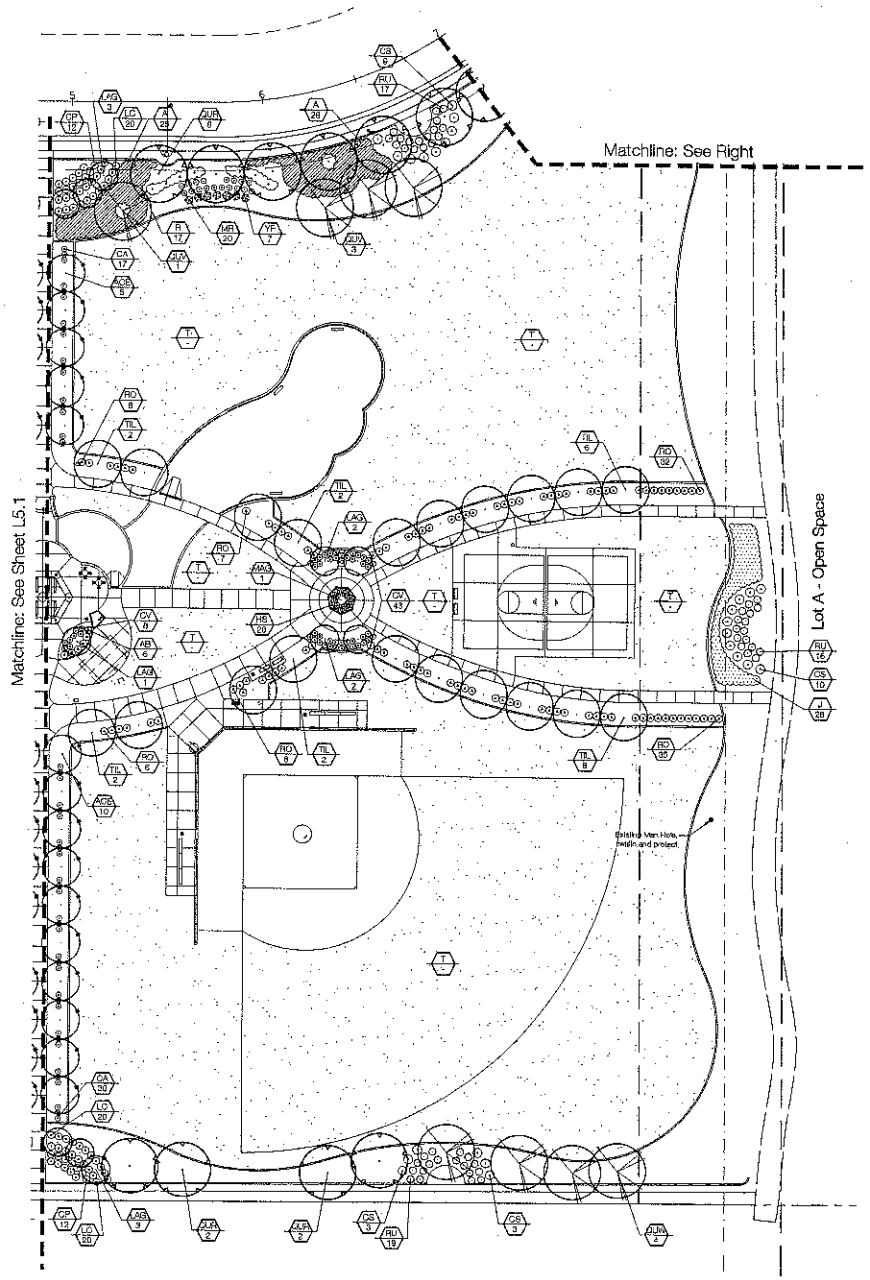
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

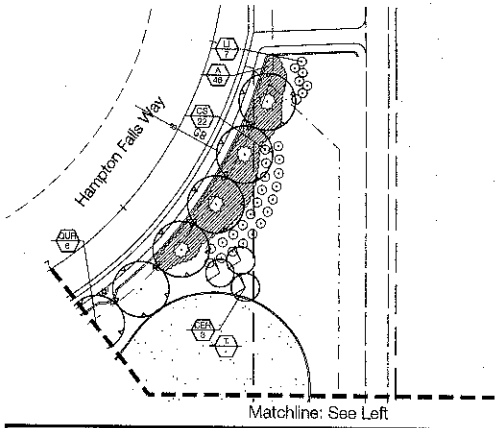
WILD ROSE PARK PNLI9.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Planting Plan

LANDSCAPE ARCHITECT
GPH
DESIGN BY/DRAWN BY
GPH / AS
CAD FILE
DATE OCT. 25, 2013
SCALE 1"=30'-0"
P. N. G19.1870.01
REVISIONS

SHEET NO.
L5.1





Plant Legend

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LAG	Lagerstroemia indica 'Natchez'	White Crape Myrtle	15 gallon	L		Multi-Trunk
MAG	Magnolia soulengeana	Saucer Magnolia	24" Box	L		Multi-Trunk
TIL	Tilia americana 'Redmond'	American Linden	24" Box	L		Std.
QUR	Quercus rubra	Red Oak	15 Gal.	M		Std.
QUW	Quercus wislizeni	Interior Live Oak	24" Box	L		Std.
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ID	Iris douglasiana	Douglas Iris	1 Gal.	L	2' T X 2' W	
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RC	Rosmarinus officinalis 'Ingramii'	Collingwood Ingram Rosemary	1 Gal.	L	2' T X 4' W	
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Groundcovers / Turf						
A	Arctostaphylos 'Emerald Carpet'	Groundcover Manzanita	1 Gal.	L	1' T x 5' W	5' O.C.
J	Juniperus conferta 'Blue Pacific'	Groundcover Juniper	5 Gal.	L	1' T X 8' W	6' O.C.
R	Rosemarinus o. 'Huntington Carpet'	Carpet Rosemary	1 Gal.	L	1' T X 3' W	6' O.C.
T	Hydroseeded Turf	90/10 Dwarf Type Tall Fescue and Kentucky Bluegrass Blend.				

I have complied with the criteria of Sacramento City Code Chapter 15.92 and applied them for the efficient use of water in the Landscape Design Plan.

0' 30' 60' 90'
Scale 1"=30'-0"
10412

Bid Set

The HLA Group
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WILD ROSE PARK, PKH 10 1870 01

WILD ROSE PARK
SACRAMENTO, CA
Planting Plan

LANDSCAPE ARCHITECT
GPH

DESIGN BY/DRAWN BY
GPH / AS

CAD FILE

DATE OCT. 25, 2013

SCALE 1"=30'-0"

P. N. 0.15.1.070.01

REVISIONS

SHEET NO.
L5.2

A & L WESTERN AGRICULTURAL LABORATORIES

1311 WOODLAND AVE #1 • MODESTO, CALIFORNIA 95351 • (209) 529-4080 • FAX (209) 529-4736

REPORT NUMBER: 13-161-028 CLIENT NO: 1358

SEND TO: GRO-POWER INC, 15065 TELEPHONE AVENUE, CHINO, CA 91710-9614

SUBMITTED BY: HILARY HARLEINS

GROWER: HLA GROUP/WILD ROSE PARK

Graphical Soil Analysis Report

DATE OF REPORT: 06/12/13 LAB NO: 61626 SAMPLE ID: 10412 PAGE: 1

Analyte	Organic Matter %	Nitrogen NO_3-N ppm	Phosphorus Weak Bray ppm	Phosphorus $NaHCO_3$-P ppm	Potassium K ppm	Magnesium Mg ppm	Calcium Ca ppm	Sodium Na ppm	Sulfur SO_4-S ppm	Zinc Zn ppm	Manganese Mn ppm	Iron Fe ppm	Copper Cu ppm	Boron B ppm	Chloride Cl ppm
Results	2.3	1	8	12	89	1072	3115	41	7	0.3	2	8	1.2	0.5	

Percent Cation Saturation (computed)

Potassium K %	Magnesium Mg %	Calcium Ca %	Sodium Na %
1.0	35.4	62.7	0.7

ECe 0.4 | CEC meq/100g 24.6 | Excess Lime L | pH 7.8 | Buffer pH

Weak Bray P unreliable at M or H excess lime or pH > 7.5

Soil Fertility Guidelines

CROP: LANDSCAPE RATE: lb/1000 sq ft NOTES:

Calcitic (lime)	Dolomitic (lime)	Organic	Elemental Sulfur	Nitrogen N	Phosphate P_2O_5	Potash K_2O	Magnesium Mg	Sulfur SO_4-S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
		10	25	3.8	2.0	4.5			*	*			

C MAGNESIUM: If levels are very high (generally, they increase with depth), one may encounter drainage
O problems and potassium uptake may be hindered. Extra calcium may provide some benefit.
M * MANGANESE: The soil test is not a good indicator of deficiency. Maintain a reasonable soil pH and
M organic matter status, and follow label directions if applying manganese-containing products.
E * ACIDIFICATION of high pH soils could improve soil environment. Compare different sources of acidifying
N materials, but be aware that sulfate-sulfur (as shown on report) has NO acidifying power.
T YOUR SUPPLIER will recommend to you choice, rate and method of application of fertilizer materials and
S amendments.

Mike Buttress, CPAg
A & L WESTERN LABORATORIES, INC

A & L WESTERN AGRICULTURAL LABORATORIES

1311 WOODLAND AVE #1 • MODESTO, CALIFORNIA 95351 • (209) 529-4080 • FAX (209) 529-4736

REPORT NUMBER: 13-161-020 CLIENT: 1358

SUBMITTED BY:

SEND TO: GRO-POWER INC, 15065 TELEPHONE AVENUE, CHINO, CA 91710-9614

GROWER: HLA GROUP/WILD ROSE PARK

DATE OF REPORT: 06/14/13 PAGE: 1

SOIL PHYSICAL CHARACTERISTICS

Sample ID	Lab Number	% Sand	% Silt	% Clay	Soil Texture	Moisture @ 1/3 Bar	Moisture @ 15 Bar	Available Water %
10412	61626	30	32	38	CLAY LOAM			

NOTES:

Mike Buttress, CPAg
A & L WESTERN LABORATORIES, INC.

INTERPRETATION OF ANALYSIS

NAME: HLA Group LAB NO.: 51626 DATE: 06/12/13

PROJECT: Wild Rose Park

Page 1 of 2

[ ]	SANDY SOILS	[X]	LOAM SOILS	[ ]	CLAY SOILS
TEXTURES*					
Coarse textured, low water retention; infertile, fertilizer leaches easily and needs frequent irrigation. Organic matter benefits water and nutrient retention.		Have desirable properties of clay and sand, good moisture and fertilizer retention, not too sticky or droughty.		Sticky, high water retention, slow water penetration, compacts easily; high fertilizer retention. Need organic matter to keep workable.	
Sand, Loamy Sand		Sandy Loam, Loam, Silt Loam, Silty Clay Loam, Sandy Clay Loam, Clay Loam		Sandy Clay, Silty Clay, Clay	

*Texture estimate derived from CEC value. For more precise texture information, further testing is required. Contact lab for information.

	LIME (amount of solid lime distributed in soil)	
[ ]	HIGH	Plants sensitive to "Lime-induced Iron Chlorosis", (i.e. azalea, gardenia, liquid amber, roses, etc.) must have corrective chemical added to soil.
[ ]	MODERATE	Plants sensitive to "Lime-induced Iron Chlorosis", affected but not as severely as "high" readings. Corrective chemical may be added.
[X]	LOW	Plants sensitive to "Lime-induced Iron Chlorosis", not affected. No corrective chemical needed.

pH	
7.8	Normal pH values for this area vary from 6.5 to 8.0, however variations in either direction may exist. Soil amendments may be recommended to help bring the soil pH into a more optimal range. To lower pH, soil sulfur or an equivalent acid-forming chemical recommended. To raise pH, lime is usually recommended.

EC			BORON (ppm)		
Electrical Conductivity of the soil saturation extract is a measure of the total salts in the soil. This can be related to plant growth as follows: (Units are mmhos/cm @ 25 degrees C)			Is expressed as ppm in the saturation extract. A small amount of boron is essential for plant growth, but a concentration slightly above the optimum is toxic for plants.		
[X] 0 - 1.9	No damage from salts.		[X] 0.0 - .6	Not toxic for any, but may be too low for some.	
[ ] 2 - 3.9	Sensitive plants may be damaged.		[ ] .7 - 1.4	Sensitive plants restricted.	
[ ] 4 - 7.9	Many plants affected.		[ ] 1.5 - 4.9	Many plants restricted.	
[ ] 8 - 16	Most plants damaged.		[ ] 5.0 - 10.0	Only tolerant plants satisfactory.	
[ ] over 16	Few plants survive.		[ ] 10.0 - over	Few plants survive.	

Page 1 of 2 PROJECT: Wild Rose Park LAB NO.: 51626

PERCENT SODIUM SATURATION		
Is the degree to which the soil exchange complex is saturated with sodium. Exchangeable sodium has two effects: (1) Reduced permeability and (2) Toxicity of sensitive plants		
[X]	Below 5	Generally no permeability problem due to sodium. However, sodium sensitive plants may show leafburn.
[ ]	5 - 15	Possible permeability problems with clay loams and clays. (C.E.C. 15 - 30)
[ ]	Above 15	Permeability problems are likely on all mineral soil except some sands and loam sands

NUTRIENTS						
NITROGEN (N)	[X]	LOW	[ ]	MODERATE	[ ]	HIGH
PHOSPHORUS (P_2O_5)	[ ]	LOW	[X]	MODERATE	[ ]	HIGH
POTASSIUM (K_2O)	[X]	LOW	[ ]	MODERATE	[ ]	HIGH
		Definite need for fertilizer nutrient add at recommended rate for plant soil in question.		Fertilizer nutrients are present in adequate amounts, maintain at this level.		There is no need for adding fertilizer nutrients at this time.

	ORGANIC MATTER (Percent as designated on the soil analysis)*	
[ ]	VERY LOW	0.0 – 0.7
[ ]	LOW	0.8 – 1.7
[X]	MODERATE	1.8 – 3.2
[ ]	HIGH	3.3 – 4.2
[ ]	VERY HIGH	4.3 – .....

*Variables may exist depending upon the soil type and the source of organic matter that is being measured, however the above table will give a good estimate of the percentage of organic matter present.

	WATER PERCOLATION RATE	(INCHES/HOUR)*
[ ]	VERY RAPID	MORE THAN 20.00
[ ]	RAPID	6.00 – 20.00
[ ]	MODERATELY RAPID	2.00 – 6.00
[ ]	MODERATE	.60 – 2.00
[X]	MODERATELY SLOW	.20 - .60
[ ]	SLOW	.06 - .20
[ ]	VERY SLOW	LESS THAN .06

*Variables may exist depending upon the soil type and the source of organic matter that is being measured, however the above table will give a good estimate of the percentage of organic matter present.

Percolation rate is an estimate derived from texture. For more specific rates, further testing is required. Contact lab for information.

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SOIL ANALYSIS RECOMMENDATIONS

June 17, 2013

HLA Group
1050 20th Street Suite 200
Sacramento, CA 95811
Attn: Hillary Harkins

Project Name: Wild Rose Park **Project Number: 10412**

The following recommendations are based on the results of soil analysis and soil texture test #51626 from A & L Western Agricultural Laboratories dated June 12th and June 14th, 2013 respectively.

SOIL PREPARATION:

Materials recommended per 1000 square feet:
- 200 lbs. Gro-Power® Plus
- 25 lbs. soil sulfur
- 10 lbs. agricultural gypsum
- 3 cu. yd. of nitrolized shavings or good quality compost

Apply recommended materials and rototill a minimum of two directions, to a depth of 4-6 inches. After soil preparation, but prior to planting, irrigate with overhead irrigation so that a minimum of 1-3 inches of good quality water passes through the soil profile, beyond the root zone.

EVALUATION OF SOIL ELEMENTS:

1. pH is HIGH, indicating alkaline soil. Gro-Power®, soil sulfur and leaching will help to lower levels over time.
2. Lime level is LOW. No problem.
3. EC (soluble salts) is LOW. Within optimum range for most plant material.
4. Boron is LOW. No toxicity problem
5. Exchangeable magnesium is HIGH and may cause some drainage problems at this site and also could affect potassium assimilation. Addition of gypsum in soil preparation may aid in mitigating any problems due to excess magnesium.
6. Major nutrients: Nitrogen is LOW - Phosphorus is MODERATE - Potassium is LOW. Gro-Power® products used at specified rates will provide adequate major and micronutrients for plant establishment and vigorous growth.

GRO POWER® INC.
15065 TELEPHONE AVENUE CHINO, CA 91710-9614 • (909) 393-3744 • FAX (909) 393-2773
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Page 2
June 17, 2013
HLA Group
Project Name: Wild Rose Park **Project Number: 10412**

SPECIAL COMMENTS:

1. Selective plant palette important, re: alkalinity.
2. Amendments are more effective when thoroughly mixed into the soil.

Thank you for giving Gro-Power®, Inc. the opportunity to make recommendations on this project. If I may be of further assistance to you, or you have any questions regarding the above stated recommendations, please don't hesitate to contact me at (800) 473-1397.

Sincerely,

Jack L. Engberg

Product Consultant

JE/jnp

Bid Set

The HLA Group
Landscape Architects & Planners, Inc.
2000 Capitol Avenue, Suite 120
Sacramento, California 95816
916 447.7400
www.hlagroup.com

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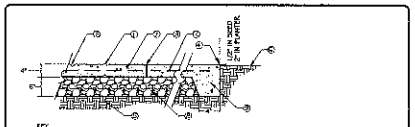
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Soils Analysis

LANDSCAPE ARCHITECT: GPH
DESIGN BY/DRAWN BY: GPH / AS
CAD FILE
DATE: OCT. 25, 2013
SCALE: 1"=20'-0"
P. N. L19.1870.01
REVISIONS

SHEET NO. L5.3



KEY:
1. CONCRETE PAVING WITH FIBERGLASS FIBER INTEGRALLY MIXED, MEDIUM BROOM FINISH PERPENDICULAR TO TRAVELWAY EDGE.
2. DEEP SCORE JOINT - AS SHOWN ON PLANS
3. FIBER EXPANSION JOINT
4. TOOLED EDGE, TYP.
5. 12" ENGINEERED FILL (SUBGRADE COMPACTED) PER GEOTECHNICAL REPORT.
6. FINISH GRADE
7. FIBERGLASS FIBER REINFORCEMENT INTEGRALLY MIXED
8. 6" AGGREGATE BASE, COMPACTED TO 95% R.D.
9. THICKEN SIDEWALK EDGES ON ALL CONCRETE ADJACENT TO PLANTING AREAS
10. NO. 3 REBAR LOCATED ON MIN. 18" CENTER, BOTH WAYS.

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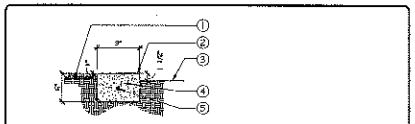
Concrete Flatwork

A



SECTION

NOTES:
1. FINISH GRADE - TURF AREA.
2. 3" RADIUS TOOLED EDGE TYPICAL.
3. FINISH GRADE - MULCH BEDS.
4. CONCRETE MOW BAND WITH ½" TOOLED JOINTS @ 10' O.C. & ½" EXPANSION JOINTS @ 20' O.C. MAX.
5. #3 BAR CONTINUOUS, OVERLAP ENDS 30 DIAMETERS.

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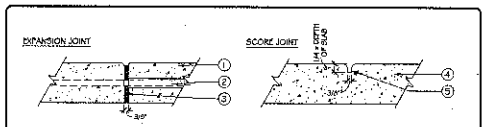
9" Mowstrip

B

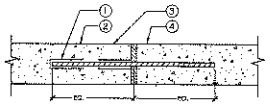


SECTION

NOTES EXPANSION JOINT:
1. CONCRETE PAVEMENT.
2. DOWEL: ½" DIA. x 18" @ 4'-0" O.C., PAPER SLEEVE ONE END, TYPICAL @ ALL EXPANSION JOINTS.
3. EXPANSION JOINT FILLER: SEE SPECS.

NOTES SCORE JOINT:
4. CONCRETE PAVEMENT.
5. TOOLED SCORE JOINT.

CONCRETE JOINT - DOWEL



SECTION

NOTES:
1. CORE DRILL, GREASE, AND WRAP INTO PLACE.
2. #3 REBAR, 18" SMOOTH DOWEL 36" O.C. - EMBEDDED IN SLAB.
3. (E) CONCRETE PAVING.
4. CONCRETE WALK EDGE.

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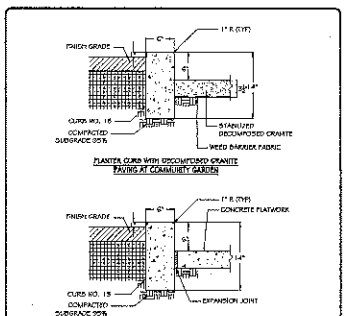
Concrete Joints

C



PLANTER CURB WITH DECOMPOSED GRANITE PAVING AT COMMUNITY GARDEN

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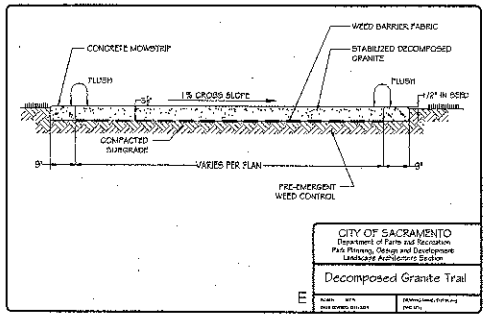
Park Planning, Design and Development
Landscape Architecture Section

CONCRETE CURB @ PLANTER

D



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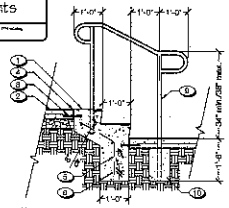
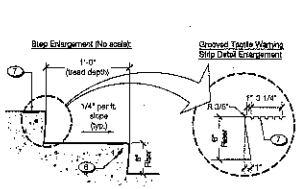
Decomposed Granite Trail

E



Key:
1. Concrete stairs with medium broom finish, perpendicular to direction of travel.
2. Adjacent concrete paving, refer to Concrete Flatwork details.
3. Compact subgrade per Geotechnical Report.
4. Backer rod and 1/2" fiber expansion joint with sealant, typical where stair meets adjacent concrete. Color to match concrete.
5. #4 vertical rebar at 24" o.c.
6. #4 horizontal rebar, 3" min clear from all edges.
7. Tactile warning strip. Grooves 1/4" wide x 1/4" deep x 3/4" o.c. Offset 1" from edge. Paint all tactile groove surfaces safety white color with exterior latex paint.
8. #4 smooth dowel @ 24" O.C. Grease 3" end. Locate in center of adjacent concrete slab.
9. 1-1/2" dia. galv. steel handrail. Prime and paint in color TBD.
10. Concrete footing for handrail. Embed post min. 18" as shown.



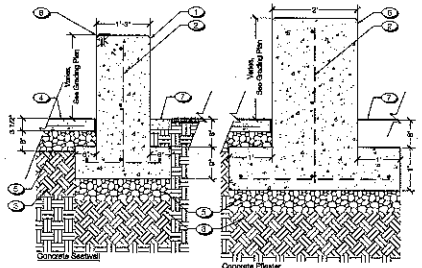
Step Enlargement (No scale)

Grooved Tactile Warning Strip Detail Enlargement

F

Concrete Plaza Steps

Scale: 1/2" = 1'-0" Sections



Concrete Seatwall

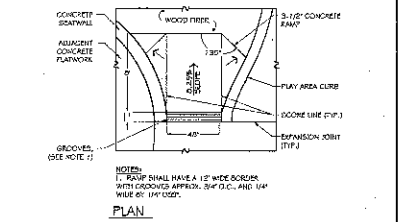
Concrete Plaster

Key:
1. Concrete seatwall with 1 1/2" chamfered edge. Provide med. sandblast finish on all exposed surfaces.
2. #4 vert. rebar @ 24" o.c. Horizontal rebar as shown.
3. 12" engineered fill subgrade compacted per Geotechnical Report.
4. Concrete paving, see Concrete Flatwork detail. Provide expansion joint at paving adjacent to seatwall.
5. 6" Class 2 aggregate base
6. Round concrete plaster with 1 1/2" chamfered edge. Provide med. sandblast finish on all exposed surfaces.
7. Adjacent surface, refer to Layout plan.
8. Slate deterent: White Oak Series, from Slate Stoppers. Installed 18" from end of planters/walls and 9" o.c. Cast silicon bronze with brown patina finish. Install per manufacturer's specifications.

G

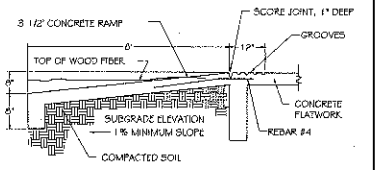
Concrete Seatwall / Round Pilaster

Scale: 3/4" = 1'-0" Section



NOTES:
1. RAMP SHALL HAVE A 12" WIDE BORDER WITH GROOVES APPROX. 3/4" O.C., AND 1/4" WIDE BY 1/4" DEEP.

PLAN



SECTION

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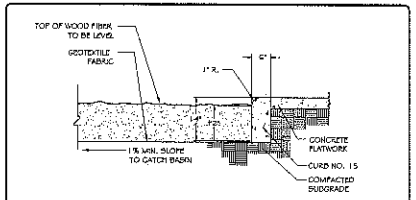
Department of Parks and Recreation
Park Planning, Design and Development
Landscape Architecture Section

Play Area ADA Ramp

H



NOTE:
PLAY AREA CURB AND CONCRETE FLATWORK SHALL BE A MONOLITHIC POUR. DO NOT SCORE 6" PLAY AREA CURB.

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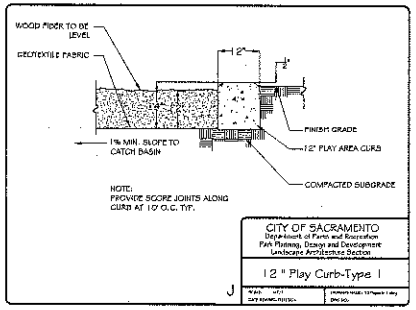
Play Area Curb

I



NOTE:
PROVIDE SCORE JOINTS ALONG CURB AT 10' O.C. TYP.

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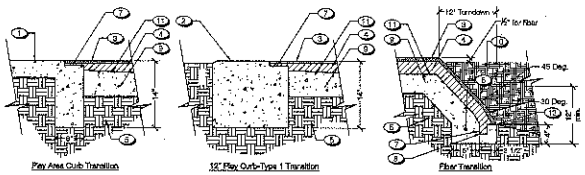
12" Play Curb-Type 1

J



Play Area Curb Transition

12" Play Curb-Type 1 Transition

Fiber Transition

Key:
1. Play Area Curb. See Play Are Curb Detail for more information.
2. 12" Play Curb-Type 1. See 12" Play Curb-Type 1 Detail for more information.
3. Resilient paving top surface, 1/2" depth. Top of resilient play surfacing wear course is flat. Refer to manufacturer's specs for installation instructions.
4. Resilient paving base mat, see schedule for depth per manufacturer's specs for fall height. Refer to manufacturer's specs for installation instructions.
5. Compacted subgrade to 90% per Geotechnical Report.
6. #4 Rebar. Center in curb and run continuous between expansion joints. Overlap 18" min. Where required, keep 2" clear from all edges.
7. Glue / Epoxy resilient paving at concrete edge
8. 1-1/2" deep by 5" wide notch at edge
9. 3" concrete slurry base. Slope surface to drain 1% min.
10. Fiber play surface
11. Bottom of Resilient Paving Surface.
12. Concrete turndown edge

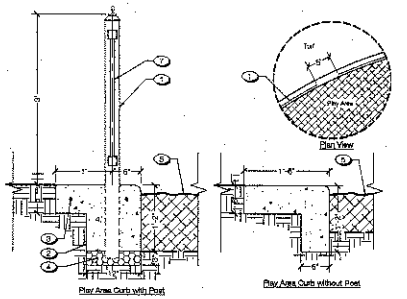
Notes:
A. Contractor shall verify and ensure proper depths of play area paving under specified play equipment items.
B. Depth of base course material will vary to conform to various use zone fall depths and the 1% slope on the concrete slurry.

Base Mat Thickness Schedule	
Play Area	Base Mat Thickness
Nature Play Area - North	4"
Native Play Area - South	2"

K

Resilient Play Surfacing and Transition

Scale: 1" = 1'-0" Section



Play Area Curb with Post

Play Area Curb without Post

Key:
1. 3" tubular steel fence around play area per Detail B4.0.S. Refer to Layout Plan for openings
2. 18" concrete curb
3. #3 rebar, continuous.
4. 3/4" dia. drain rock. Extend post through concrete and into drain rock as shown
5. Play area surfacing, refer to Layout Plan
6. Compacted subgrade, per Geotechnical Report
7. 3" tubular steel fence elevation picket opening 3-1/2" O.C. max.

L

Play Area Curb with 3' Tubular Steel Fence

Scale: 1" = 1'-0" Section

Bid Set

The HLA Group
Landscape Architects & Planners, Inc.
2900 Capitol Avenue, Suite 130
Sacramento, California 95816
916.447.7400
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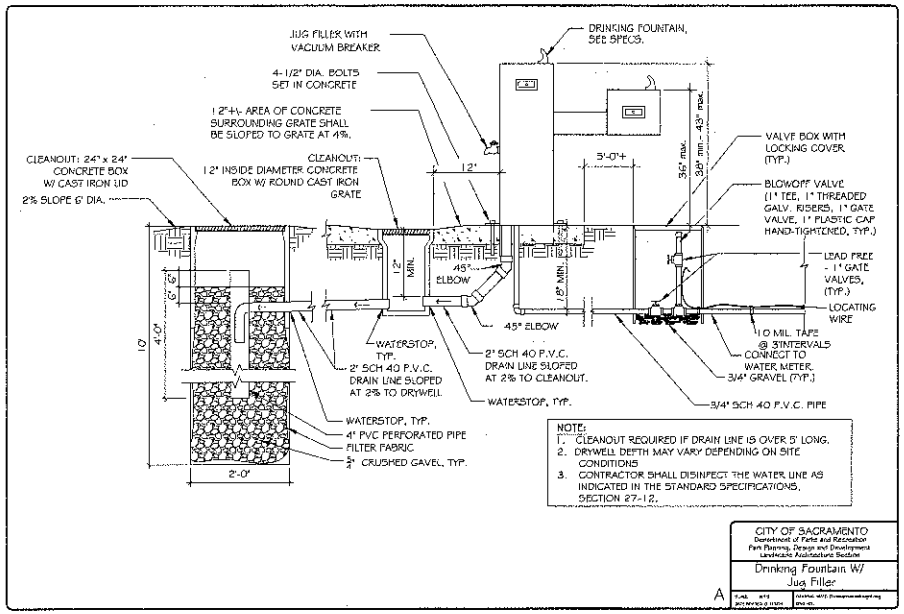
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

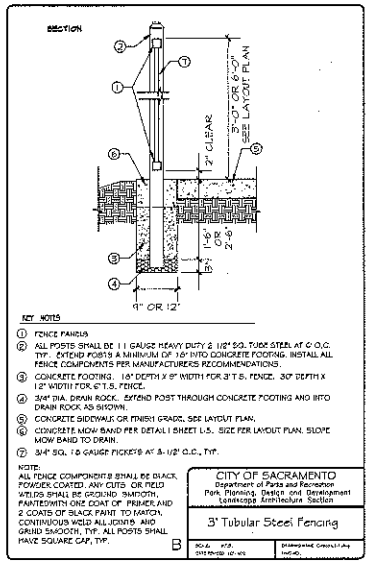
WILD ROSE PARK PN-L19.1870.01

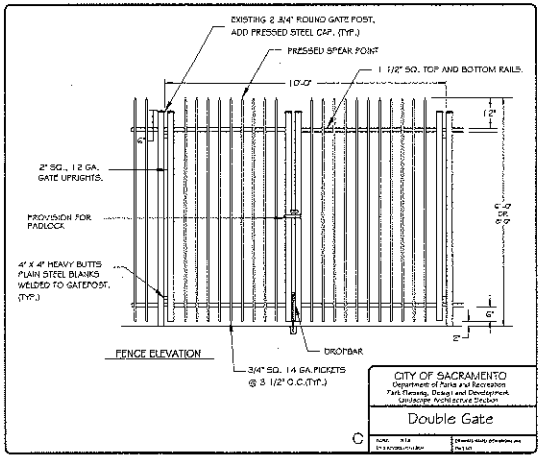
WILD ROSE PARK
SACRAMENTO, CA
Construction Details

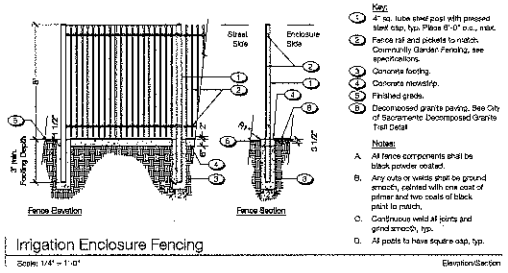
LANDSCAPE ARCHITECT: GPH
DESIGN BY/CRAWN BY: GPH / AS
CAD FILE:
DATE: OCT. 28, 2013
SCALE: AS SHOWN
P. N. (L19.1870.01)
REVISIONS

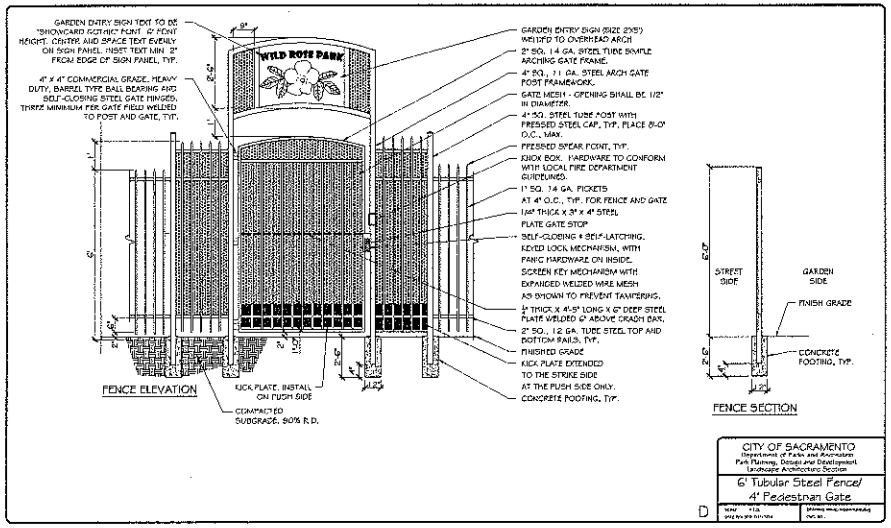
SHEET NO. L6.1

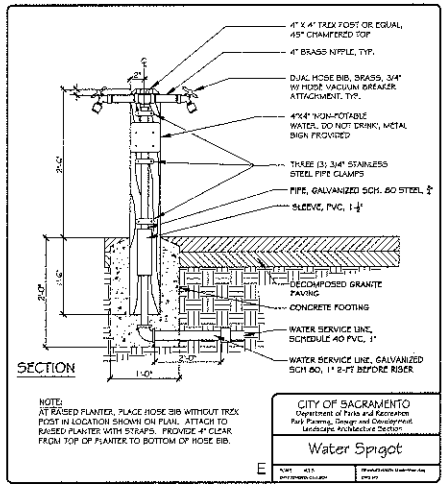


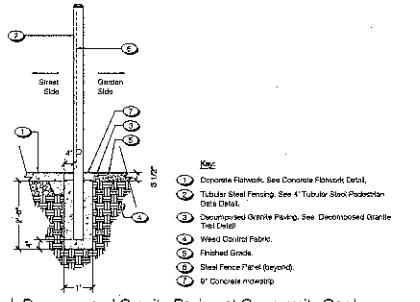












Bid Set

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Landscape Architects & Planners, Inc.
2800 Capitol Avenue, Suite 120
Sacramento, California 95816
916.447.7400
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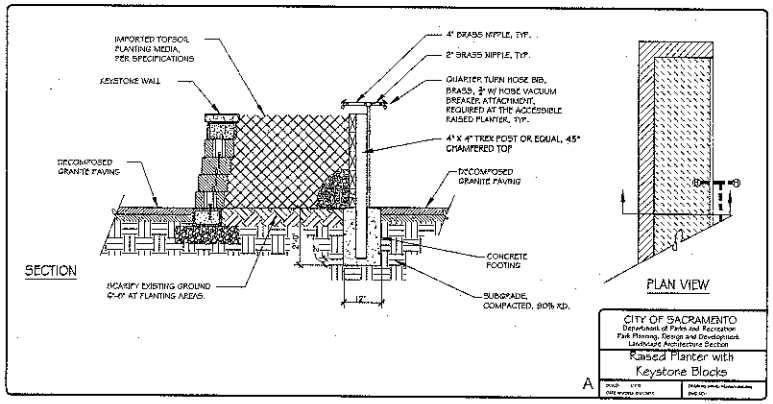
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

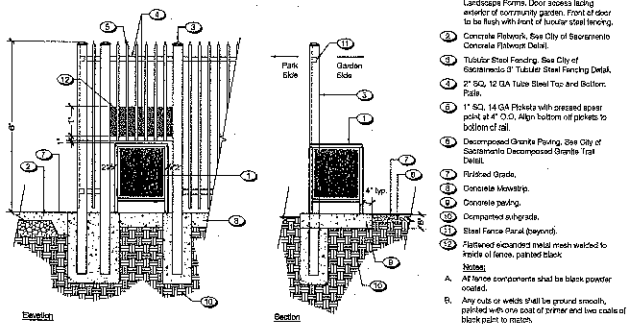
WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Construction Details

LANDSCAPE ARCHITECT GPM
DESIGN BY/DRAWN BY GPK / AS
CAD FILE
DATE OCT. 25, 2013
SCALE AS SHOWN
P. N. L19.1870.01
REVISIONS

SHEET NO. L6.2

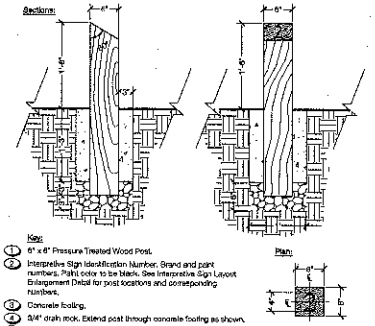




Key:
1. Trash Receptacle shall be Washington Square Litter Receptacle with Side Opening, Lock, Surface Mount (WS418-03) by Landscape Forms. Door access facing exterior of community garden. Front of door to be flush with front of tubular steel fencing.
2. Concrete Flatwork. See City of Sacramento Concrete Flatwork Detail.
3. Tubular Steel Fencing. See City of Sacramento 3' Tubular Steel Fencing Detail.
4. 2" SQ. 12 GA Tube Steel Top and Bottom Rails.
5. 1" SQ. 14 GA Pickets with pressed spear point at 4" O.C. Align bottom of pickets to bottom of rail.
6. Decomposed Granite Paving. See City of Sacramento Decomposed Granite Trail Detail.
7. Ribbed Grade.
8. Concrete Mowstrip.
9. Concrete paving.
10. Compacted subgrade.
11. Steel Fence Panel (beyond).
12. Flattened expanded metal mesh welded to inside of fence, painted black.

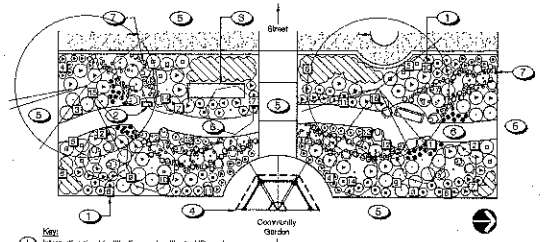
Notes:
A. All fence components shall be black powder coated.
B. Any cuts or welds shall be ground smooth, painted with one coat of primer and two coats of black paint to match.
C. Continuous welds at joins and grind smooth, typ.
D. All posts to have square cap, typ.

B Fencing Cutout at Trash Receptacle
Scale: 1/2" = 1'-0" Elevation/Section



Key:
1. 6" x 6" Pressure Treated Wood Post.
2. Interpretive Sign Identification Number, Brand and paint numbers. Paint color to be black. See Interpretive Sign Layout Enlargement Detail for post locations and corresponding numbers.
3. Concrete footing.
4. 3/4" drain rock. Extend post through concrete footing as shown.
5. Compacted subgrade.
6. Finish Grade.

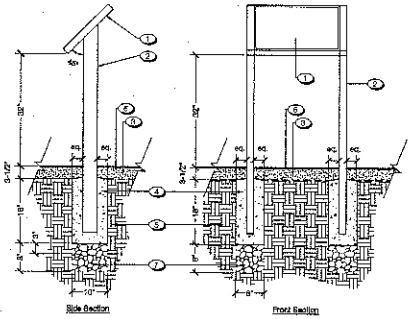
C Interpretive Sign Identification Post - Add Alternate #3
Scale Section



Key:
1. Interpretive sign identification posts with plant ID number, typ. See Interpretive sign identification post detail for more information.
2. Interpretive sign panel. See detail Interpretive sign panel detail for more information.
3. Park sign.
4. Shade shelter.
5. Concrete flatwork.
6. Decomposed granite path.
7. Dobbie mulch.

Notes:
1. Identification posts to be offset from adjacent pathway 6" min.
2. Orient identification posts facing closest adjacent pathway.
3. Center identification posts amongst plantings.

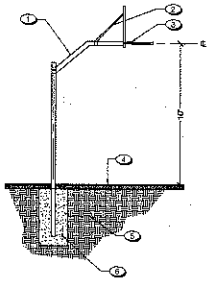
D Interpretive Sign Layout Enlargement - Add Alternate #3
Scale: 1" = 20'-0" Plan



Key:
1. 24" x 36" sign. Provided by City
2. Aluminum Traditional Low Profile Base (TB), frame and legs for in-ground installation. Powder coated in black.
3. Decomposed granite paving. See Decomposed Granite Trail detail for more information.
4. Concrete footing.
5. Compacted subgrade.
6. Finish Grade.
7. 3/4" drain rock.

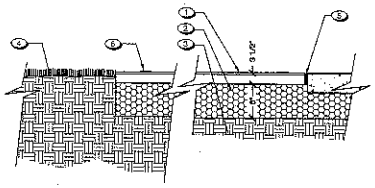
Notes:
1. Sign posts and frame supplied by Windsor Fixtures. Contact information: 3401 Mottman Road SW, Tumwater, WA 98512 / 1-800-924-7308 / www.windsorfixtures.com.
2. Contractor responsible for ordering all necessary equipment. Significant lead time may apply.
3. Install per manufacturer's specifications
4. Contractor to install post, frame, and sign.

E Interpretive Sign Panel - Add Alternate #3
Scale: 3/4" = 1'-0" Section



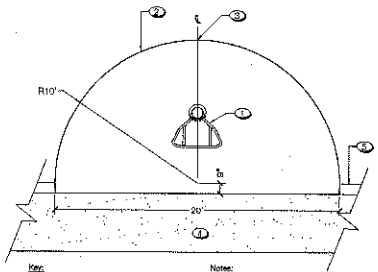
Key:
1. Basketball post, see specifications.
2. Basketball backboard, see specifications.
3. Basketball rim, see specifications.
4. Concrete paving. See Basketball Court Section detail.
5. Compacted subgrade.
6. Concrete footing per manufacturer's specifications.

F Basketball Goal Installation Detail
3/4" = 1'-0" Section



Key:
1. Concrete paving and court surfacing - see Basketball Court Layout detail, this sheet.
2. Class II aggregate base compacted to 95% relative density.
3. Compacted subgrade to 90% relative density.
4. Finish grade, refer to Grading Plan.
5. Expansion joint.
6. 2" Painted court line - see Basketball Court Layout detail, this sheet.

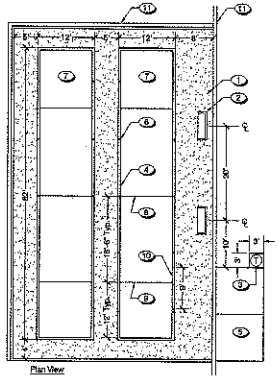
G Basketball Court Section
1" = 1'-0" Section



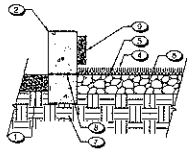
Key:
1. Adult fitness equipment. See Layout Plans for location and more information. Center equipment on concrete pad.
2. Concrete pad.
3. Shade line. Center on concrete pad.
4. Decomposed granite jogging path.
5. Concrete mowstrip.

Notes:
A. Install equipment per manufacturer's specifications.

H Adult Fitness Station - Add Alternate #3
Scale: 1/4" = 1'-0" Plan



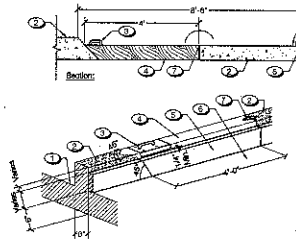
Key:
1. Decomposed Granite Paving
2. Bench
3. Trash receptacle
4. Bocce curb wall, see Bocce Curb Detail.
5. Concrete Flatwork.
6. Weep hole, typ. 3/8" PVC piping. Install 12" o.c.
7. Top Surface shall be Pacific Pearl Bocce Surface System with Sierra Base Fabric by Bocce Builders of America. Color shall be Tan. Contact Barrett Park of Sport Court Northern California (925) 798-8820.
8. Midcourt Line (white)
9. Foul Line (white)
10. Bocce court gate (ADA access)
11. Mowstrip, see 9" Mowstrip detail.



Key:
1. Decomposed Granite Paving. See Decomposed Granite Trail Detail for more information.
2. Bocce curb wall with #4 rebar reinforcement bars (3), continuous. 3" clear, min.
3. 2x4 Trex Bumper. Install bumper to curb with lag bolts at 3'-0" o.c. (countersink). Install bumper 1/8" above bocce surface, parallel with surface grade (5.0" slope).
4. Top Surface shall be Pacific Pearl Bocce Surface System by Bocce Builders of America. Install per manufacturer's specifications.
5. Base Fabric shall be Sierra Base Fabric by Bocce Builders of America. Color shall be Tan. Install per manufacturer's specifications.
6. 4" class 2 agg. base
7. Subgrade compacted per Geotechnical Report
8. Weep Hole. 3/8" PVC piping. Install 12" o.c.
9. 2" x 6" Trex board

Notes:
1. For Bocce Builders of America contacts, contact Barrett Park of Sport Court Northern California (925) 798-8820.

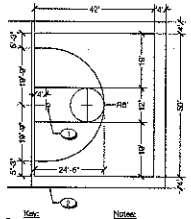
J Bocce Curb - Add Alternate #3
Scale: 1" = 1'-0" Section



Key:
1. Decomposed Granite Paving.
2. Concrete curb. ½" radius edge on both sides.
3. Channel iron - 4" x 1 5/8" x 1/4" long with ½" round bar bent into handle and welded into channel. Countersink channel surface to accommodate heads of 3" long #14 plated screws, (painted finish).
4. 6" x 6" wood door in bracer for ADA access. Shape as necessary to conform to shape and slope of curb.
5. Trex bumper.
6. Bocce Court Surface. Refer to Bocce Curb Detail for more information.
7. Heavy Strap Hinge. Attach w/ 3" long #14 plated screws (painted finish).
8. 6" x 6" Trex bumper secured with lag bolt for handle to rest on.

Notes:
A. Install gate at location shown on Bocce Court Layout Detail this sheet.

K Bocce Court Gate - Add Alternate #3
Scale: 1/2" = 1'-0" Section



Key:
1. Basketball standard
2. Edge of pavement

Notes:
A. All painted lines to be 2" wide

L Basketball Half Court
1" = 20'-0" Section

Bid Set

The HLA Group
Landscape Architects & Planners, Inc.
2500 Capitol Avenue, Suite 120
Sacramento, California 95816
916 447 1400
www.hlagroup.com

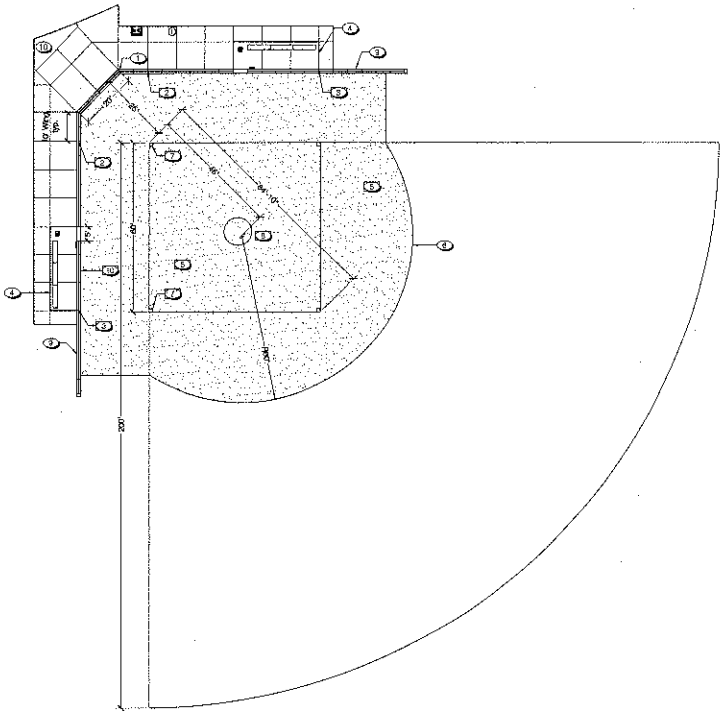
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN-19.1970.01

WILD ROSE PARK
SACRAMENTO, CA
Construction Details

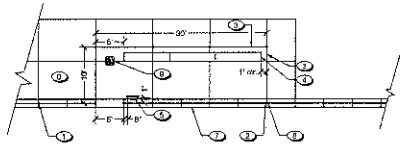
LANDSCAPE ARCHITECT: GPH
DESIGN BY/DRAWN BY: GPH / AB
CAD FILE
DATE: OCT. 25, 2013
SCALE: AS SHOWN
P. N. 19.1970.01
REVISIONS

SHEET NO. L6.3



Key:
1. Baseball Backstop - see specifications
2. End of backstop, begin 10' high fence
3. End 10' high fence, begin 8' high fence
4. Dugout see Baseball Dugout Layout detail
5. Infield Fines, 6" depth.
6. Edge of Turf
7. Home plate and bases - see specifications.
8. Pitchers Mound - see specifications.
9. Wing fence curb, see Wing Fence Curb detail for more information.
10. Concrete Paving, refer to Concrete Flatwork detail.

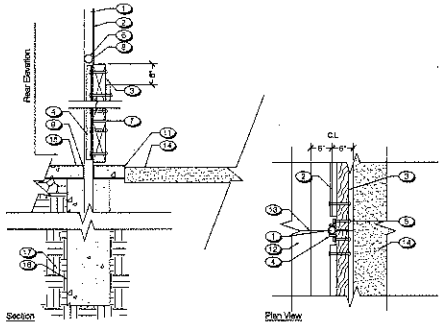
A | Baseball Field Layout
1" = 20'- 0" Plan



Key:
1. End of backstop, begin 10' high fence
2. 10' fencing
3. 8' Dugout fencing
4. (3) 8' Players bench, refer to specifications.
5. Bat rack, refer to Site Furnishings Legend for make and model number.
6. Concrete paving, refer to Layout Drawings
7. Wing fence curb, refer to detail
8. 8' fencing
9. ADA accessibility area, 5' x 5' clr.

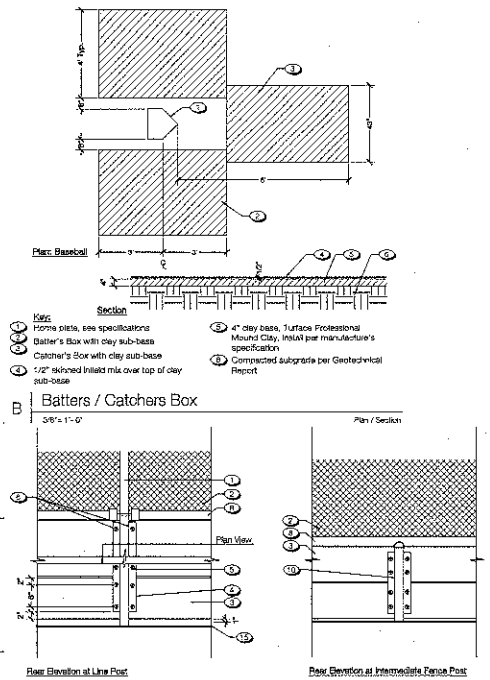
Notes:
A. ADA accessibility area, symbol shown for clarity only

C | Baseball Dugout Layout
1" = 10'- 0" Plan



Key:
1. Line or backstop post, see specifications.
2. Chain link fencing secured to bottom-rail above planks. See specifications
3. 2 x 10 Trex baseboards.
4. Field weld galvanized steel angle bracket 2" x 2" x 1/4" thick. Length as required. Ease all sharp edges.
5. Galvanized steel carriage bolt 3/8" dia., washer and nut. Cut off protruding bolt ends flush to face of nut, grind smooth.
6. Notch chain link fabric to accept steel angle brackets.
7. 1/4" wide joint, typ.
8. Bottom rail, typ.
9. Expansion joint material
10. Intermediate fence post with matching post cap between each fence line post
11. Tooled edges, typ.
12. Medium broom finish all exposed concrete surfaces.
13. Score joint centered on post

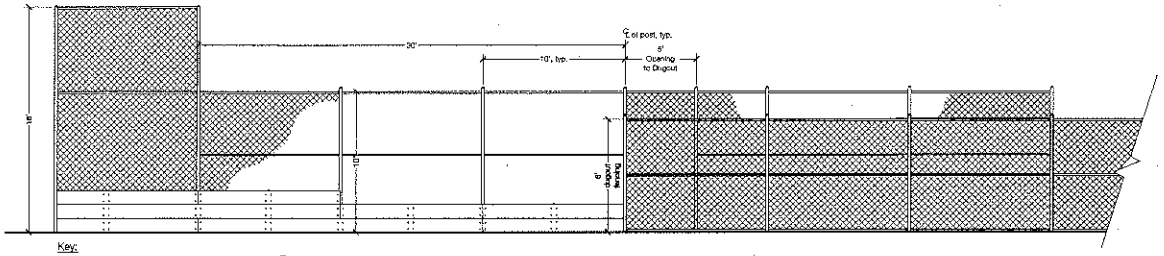
D | Wood Plank Attachment
3/4" = 1'- 0" Section/Plan



Key:
1. Home plate, see specifications
2. Batter's Box with clay sub-base
3. Catcher's Box with clay sub-base
4. 1/2" skinned infield mix over top of clay sub-base
5. 4" clay base, Turface Professional Mound Clay, install per manufacture's specification
6. Compacted subgrade per Geotechnical Report

B | Batters / Catchers Box
3/8" = 1'- 0" Plan / Section

14. Skinned infield mix, finish grade 1/2" below concrete finished surface.
15. Finish surface of concrete paving
16. Footing width, depth and reinforcing per details on sheet L6.5.
17. Compacted subgrade per Geotechnical Report



Key:
1. Prefabricated backstop, Refer to specifications for model.
2. Chainlink fence with 2" mesh and 9 gauge fabric
3. Fence post, top, mid, and bottom rail, galvanized steel. Refer to specifications.
4. 2" x 10" Trex boards, refer to specifications
5. Intermediate support post
6. Bolt holes, align horizontally and vertically
7. Dugout, refer to Baseball Dugout Layout detail for additional information
8. Finish surface

Notes:
A. Refer to Baseball Field Layout for additional information
B. Contractor shall provide shop drawings and structural calculations for backstop by manufacturer for review by Landscape Architect and City of Sacramento prior to installation.

D | Backstop and Dugout Fence
1/4" = 1'- 0" Elevation

Bid Set

The HLA Group
Landscape Architects & Planners, Inc.
2600 Capitol Avenue, Suite 120
Sacramento, California 95816
916.447.7400
www.hlagroup.com

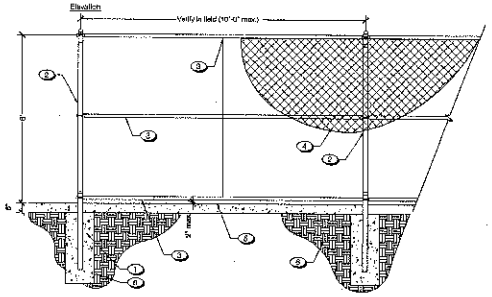
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Construction Details

LANDSCAPE ARCHITECT GPH
DESIGN BY/DRAWN BY GPH / AS
CAD FILE
DATE OCT. 25, 2013
SCALE AS SHOWN
P. N. L19.1870.01
REVISIONS

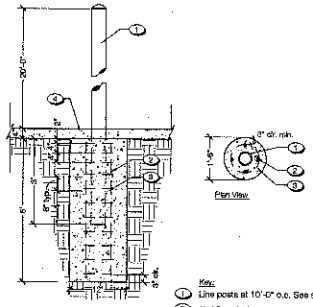
SHEET NO.
L6.4



Key
1. Concrete footing, refer to Chainlink Fence Post Footing Detail
2. Line Post, see specifications.
3. Top, middle and bottom rail, see specifications.
4. Chain link fabric, see specifications.
5. Finish surface of concrete mowstrip, see Layout Plans.
6. Subgrade, refer to Geotechnical Report

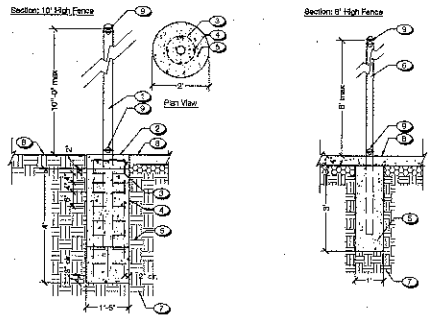
Notes
A. See specifications for additional information

A | Chain Link Overthrow Fence at Ballfield
1/2"=1'-0" Section



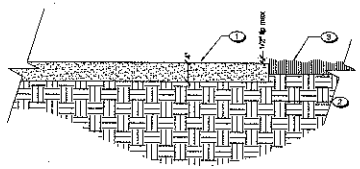
Key:
1. Line posts at 10'-0" o.c. See specifications.
2. (4) #5 vertical bars at eq. spacing full height of pier as shown.
3. #3 horizontal ties at spacing shown.
4. Concrete paving

B | Backstop Line Post Footing
1/2" = 1'-0" Section



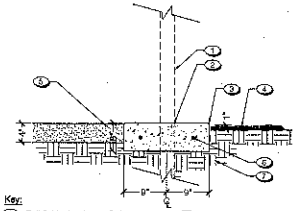
Key:
1. Line posts at 10'-0" o.c. max. see specifications.
2. Mowstrip
3. #8 ties at spacing shown.
4. (6) #4 vert. bars at eq. spacing full height of piers.
5. Concrete footing
6. Line posts at 10'-0" o.c. max. see specifications.
7. Subgrade compacted per Geotechnical Report
8. Finish surface, Refer to plans.
9. Top, middle, and bottom rail. See specifications.

C | Chainlink Fence Post Footing
1/2" = 1'-0" Section



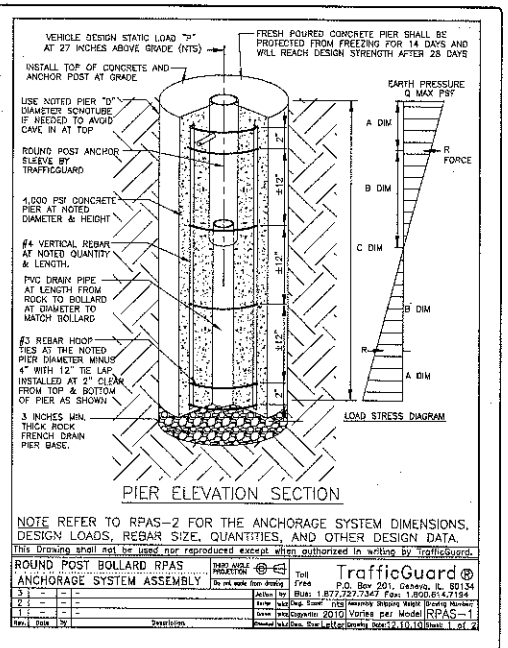
Key:
1. Infield mix, see specifications. Install in (2) 2" lifts and compact as listed in specifications.
2. Compacted subgrade, per Geotechnical Report
3. Turf

D | Skinned Infield Mix
1"=1'-0" Section



Key:
1. Ball field wing fence. Refer to Layout Plan.
2. 18" wide concrete mow curb w/ medium broom finish.
3. 1/4" R., typ.
4. Finish turf grade
5. Infield mix. See specifications.
6. #4 rebar cont. (2)
7. Compacted subgrade refer to Geotechnical Report.

E | Wing Fence Curb
1" = 1'-0" Section



NOTE REFER TO RPAS-2 FOR THE ANCHORAGE SYSTEM DIMENSIONS, DESIGN LOADS, REBAR SIZE, QUANTITIES, AND OTHER DESIGN DATA.

This Drawing shall not be used nor reproduced except when authorized in writing by TrafficGuard.

ROUND POST BOLLARD RPAS
ANCHORAGE SYSTEM ASSEMBLY

THIRD ANGLE PROJECTION — Do not scale from drawing

Rev.	Date	By	Description
3	-	-	-
2	-	-	-
1	-	-	-

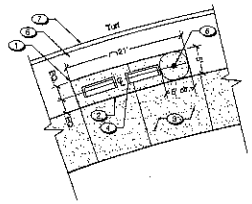
Author: Toll Free Bus: 1.877.727.7347 Fax: 1.800.614.7194
Drawn: Exp. Scale: NTS Drawing Weight Drawing Number
Drawn: Expiration: 2010 Varies per Model RPAS-1
Checked: Last Date: Drawing Date: 12.10.10 Sheet 1 of 2

TrafficGuard®
P.O. Box 201, Geneva, IL 60134

CITY OF SACRAMENTO
Department of Parks and Recreation
Park Planning, Design and Development
Landscape Architecture Section

Fold Down Bollard

F



Key:
1. Concrete bench pad
2. 3/8" fiber expansion joint with sealant and backer rod. Sealant to match concrete color. See layout plan for locations.
3. Adjacent concrete path
4. Bench (2), refer to Site Furnishings Legend and specifications for additional information.
5. ADA accessible area, 5' x 5' clr. Symbol shown for clarity only.
6. Adjacent planting area.
7. 8" concrete mowband, refer to detail for additional information

G | Concrete Bench Pad
1" = 10'-0" Plan

Bid Set

The HLA Group
Landscape Architects & Planners, Inc.
9700 Cogdill Avenue, Suite 100
Sacramento, California 95826
916.447.1402
www.hlagroup.com

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WILD ROSE PARK PN-19-1870.01

WILD ROSE PARK
SACRAMENTO, CA
Construction Details

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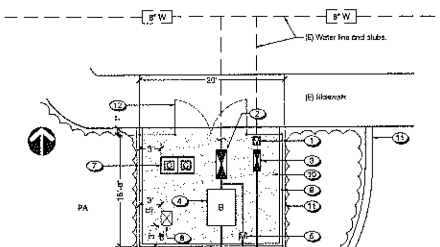
REVISIONS

SHEET NO.
L6.5



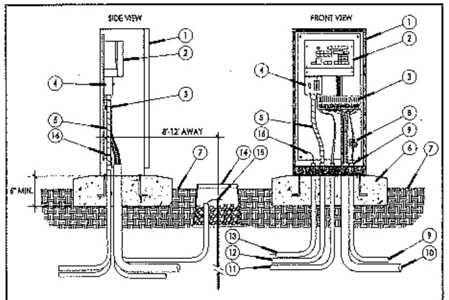
Key:

1. Existing 1" water service - City will provide and install 1" domestic water service meter after payment of meter fee in the amount of $546.00 and a development fee of $2,622.48. Contractor to install approved RP assembly per City Std. drawing W-xxx
2. Existing 4" water service and backflow preventer - City will provide 4" meter for Contractor to install after payment of meter fee in the amount of $2,402.00 and a development fee of $16,090.80.
3. 1" backflow preventer assembly. See Irrigation Plans.
4. Irrigation booster pump and enclosure assembly on concrete pad. Refer to Irrigation Plans.
5. Water sub-meter for community garden. See Irrigation Plans.
6. Dual master valve and flow sensor assembly. Refer to Irrigation Plans.
7. Irrigation controller assemblies See Irrigation Plans.
8. Electrical service pedestal for irrigation controller and booster pump. See Electrical Plan.
9. Enclosure fencing. See Irrigation Enclosure Tubular Steel Fencing Detail for more information.
10. Decomposed Granite Paving.
11. Concrete mowstrip.
12. Double Swing Gate. See Double Gate Detail for more information.

Notes:

A. Contractor to field verify exact location of existing water service and utilities.
B. Maintain clearances for all equipment per local codes and requirements.
C. Refer to Irrigation Plans for additional information.

A | Irrigation Equipment Enclosure
Scale: 1/8" = 1'
Section



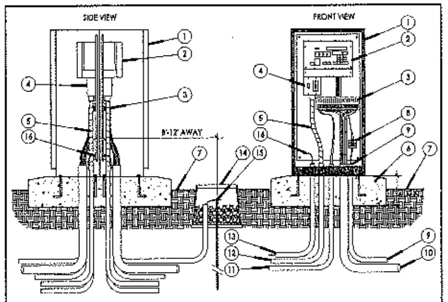
1. STRONGBOX STAINLESS STEEL NEMA 3R RAINPROOF ENCLOSURE (UL LISTED).
2. SATELLITE ASSEMBLY. ASSEMBLED ON BACKBOARD BY JOHN DEERE GREEN TECH.
3. TERMINAL STRIP FOR VALVE WIRES.
4. POWER SWITCH / GFCI RECEPTACLE.
5. ELECTRICAL FLEX CONDUIT FOR POWER.
6. 6" MIN THICK. CONCRETE PAD WITH ANCHOR BOLTS PER MANUFACTURER RECOMMENDATIONS.
7. FINISHED GRADE.
8. FLOW SENSOR TERMINAL BOARD.
9. 1" CONDUIT AND SWEEP ELL WITH FLOW SENSOR CABLE.
10. 3" CONDUIT AND SWEEP ELL FOR LEAD WIRES.
11. 1" CONDUIT AND SWEEP ELL FOR MASTER VALVE WIRES.
12. 1" CONDUIT AND SWEEP ELL FOR 110 VAC POWER LINE.
13. 1" CONDUIT AND SWEEP ELL FOR GROUND WIRE.
14. 10" ROUND VALVE BOX AROUND GROUND ROD. FILL WITH 3/4" CRUSHED ROCK.
15. 5/8" X 8' GROUND ROD WITH #6 GROUND WIRE AND CLAMP. LOCATE 8'-12' FROM ENCLOSURE.
16. #6 GROUND WIRE SECURED TO BACKBOARD GROUNDING TERMINAL.

NOTE: SEE IRRIGATION LEGEND CALL OUT FOR INCLUDED SATELLITE COMMUNICATION COMPONENTS. SUGGESTED CONDUIT SIZES MAY NEED TO BE LARGER.

SA1 - STRONGBOX: SB-18SS (18"W x 36"H x 12"D)
FRONT ENTRY ENCLOSURE - CONCRETE PAD

SATELLITE ASSEMBLY (SA SERIES)

JOHN DEERE GREEN TECH



1. STRONGBOX STAINLESS STEEL NEMA 3R RAINPROOF ENCLOSURE (UL LISTED).
2. CONTROLLER ASSEMBLY. ASSEMBLED ON BACKBOARD BY JOHN DEERE GREEN TECH.
3. TERMINAL STRIP FOR VALVE WIRES.
4. POWER SWITCH / GFCI RECEPTACLE.
5. ELECTRICAL FLEX CONDUIT FOR POWER.
6. 6" MIN THICK. CONCRETE PAD WITH ANCHOR BOLTS PER MANUFACTURER RECOMMENDATIONS.
7. FINISHED GRADE.
8. FLOW SENSOR TERMINAL BOARD.
9. 1" CONDUIT AND SWEEP ELL WITH FLOW SENSOR CABLE.
10. 3" CONDUIT AND SWEEP ELL FOR LEAD WIRES.
11. 1" CONDUIT AND SWEEP ELL FOR MASTER VALVE WIRES.
12. 1" CONDUIT AND SWEEP ELL FOR 110 VAC POWER LINE.
13. 1" CONDUIT AND SWEEP ELL FOR GROUND WIRE.
14. 10" ROUND VALVE BOX AROUND GROUND ROD. FILL WITH 3/4" CRUSHED ROCK.
15. 5/8" X 8' GROUND ROD WITH #6 GROUND WIRE AND CLAMP. LOCATE 8'-12' FROM ENCLOSURE.
16. #6 GROUND WIRE SECURED TO BACKBOARD GROUNDING TERMINAL.

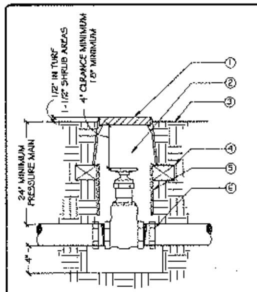
NOTE: SEE IRRIGATION LEGEND CALL OUT FOR INCLUDED OPTIONS. SUGGESTED CONDUIT SIZES MAY NEED TO BE LARGER.

CA2 - STRONGBOX: SB-18DSS (18"W x 36"H x 24"D)
FRONT & REAR ENTRY ENCLOSURE - CONCRETE PAD

CONTROLLER ASSEMBLY (CA SERIES)

JOHN DEERE GREEN TECH

B | Irrigation Controllers
NTS
Section



CALLOUTS:

1. 10" ROUND CONCRETE VALVE BOX AND COVER, W/ BOX EXTENSIONS AS REQUIRED.
2. GATE VALVE BRONZE OR CAST IRON HANDWHEEL - SEE PLANS AND SPECIFICATIONS FOR MANUFACTURER AND MODEL NUMBER.
3. FINISH GRADE BEFORE PLANTING.
4. BRICK, TYPICAL (4) PLACES.
5. 10" SCHEDULE 40 PVC.
6. SCHEDULE 80 PVC FLANGES, TYPICAL (2) PLACES.
7. VALVE SIZE SHALL BE EQUAL WITH THE MAINLINE SIZE UNLESS LABELED OTHERWISE.

NOTES:

A. INSTALL GATE VALVES A MINIMUM OF 24" FROM STRUCTURES OR PAVING.
B. INSTALL GATE VALVES IN PLANTING BEDS WHEREVER POSSIBLE.
C. DOMESTIC GATE VALVES SHALL BE LEAD FREE ONLY.

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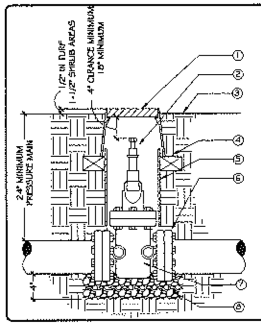
C | Gate Valve-3" & Less



CALLOUTS:

1. 10" ROUND CONCRETE VALVE BOX AND COVER, W/ BOX EXTENSIONS AS REQUIRED.
2. GATE VALVE W/ 2" OPERATING NUT - SEE PLANS AND SPECIFICATIONS FOR MANUFACTURER AND MODEL NUMBER.
3. FINISH GRADE BEFORE PLANTING.
4. BRICK, TYPICAL (4) PLACES.
5. 10" SCHEDULE 40 PVC.
6. SCHEDULE 80 PVC FLANGES, TYPICAL (2) PLACES.
7. VALVE SIZE SHALL BE EQUAL WITH THE MAINLINE SIZE UNLESS LABELED OTHERWISE.
8. 3/4" MINUS GRAVEL.

NOTES:

A. INSTALL GATE VALVES A MINIMUM OF 24" FROM STRUCTURES OR PAVING.
B. INSTALL GATE VALVES IN PLANTING BEDS WHEREVER POSSIBLE.

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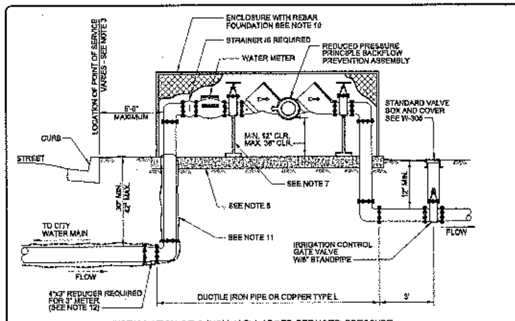
D | Gate Valve-4" & Larger



INSTALLATION OF 3-INCH AND LARGER REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY WITH WATER METER ON ALL CITY IRRIGATION SYSTEMS

NOTES:

1. INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH THE CURRENT CROSS CONNECTION CONTROL POLICY.
2. REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLIES SHALL BE CONNECTED TO CITY WATER AND TESTED PRIOR TO BEING PLACED INTO SERVICE.
3. POINT OF SERVICE:
   A. POINT OF SERVICE IS THE BACK OF CURB FOR ALL CITY STREETS WITH PLANTER STRIPS.
   B. POINT OF SERVICE IS THE BACK OF SIDEWALK FOR STREETS WITH SIDEWALK CONTIGUOUS WITH CURB AND GUTTER.
   C. POINT OF SERVICE IS THE RIGHT-OF-WAY LINE ON ALL ALLEYS AND UNIMPROVED STREETS.
   D. WHERE THE POINT OF SERVICE IS UNCLEAR THE LOCATION SHALL BE DETERMINED BY THE CROSS CONNECTION CONTROL SPECIALIST.
4. LISTS OF APPROVED BACKFLOW PREVENTION ASSEMBLIES AND CERTIFIED BACKFLOW PREVENTION ASSEMBLY TESTORS ARE AVAILABLE AT THE DEPARTMENT OF UTILITIES CUSTOMER SERVICE COUNTER LOCATED AT 1395 35TH AVENUE.
5. THE BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED ABOVE GROUND, IN A HORIZONTAL AND LEVEL POSITION. THE ASSEMBLY SHALL BE LOCATED ON THE CUSTOMER'S SIDE AND NO FURTHER THAN FIVE (5) FEET FROM THE POINT OF SERVICE OR THE METER.
6. OUTLETS, TAPS, TEES, OR CONNECTIONS BETWEEN THE WATER MAIN AND BACKFLOW PREVENTER ARE NOT ALLOWED.
7. SUPPORTS ARE REQUIRED FOR ASSEMBLIES 3-INCH AND LARGER.
8. CONCRETE CLASS "B" 4" THICK. PAD SHALL EXTEND 12" BEYOND ENCLOSURE SIDES.
9. FREEZE BAGS ARE REQUIRED FOR CITY OWNED & MAINTAINED ASSEMBLIES.
10. PROTECTIVE ENCLOSURE IS REQUIRED. FOR CITY OWNED & MAINTAINED ASSEMBLIES. ENCLOSURES FOR ASSEMBLIES 4" AND SMALLER SHALL BE PLACER WATERWORKS PWE2AW-M (W24"xL72"xH48") OR EQUAL. FOR ASSEMBLIES 6" AND LARGER THE ENCLOSURE SHALL BE PWE2AW-L (W30"xL84"xH60") OR EQUAL. ALL ENCLOSURES SHALL BE POWDER COATED HUNTER GREEN.
11. 6 MIL POLYETHYLENE WRAP WITH 10 MIL TAPE IS REQUIRED FOR ALL UNDERGROUND COPPER TUBING AND DUCTILE IRON PIPE.
12. 3" ON-SITE WATER SERVICE REQUIRES A 4" TAP, 4"x3" REDUCER, 3" METER AND 3" BACKFLOW ASSEMBLY. 4" AND LARGER SERVICES REQUIRES TAP SIZE EQUIVALENT TO METER SIZE.

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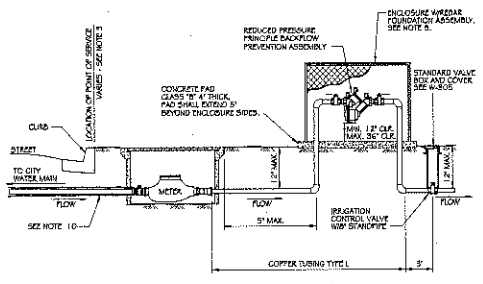
E | 3-Inch and Larger RP Assembly with Meter



INSTALLATION OF 2-INCH AND SMALLER REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY/WATER METER ON ALL CITY IRRIGATION SYSTEMS

NOTES:

1. INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH THE CURRENT CROSS CONNECTION CONTROL POLICY.
2. REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLIES SHALL BE CONNECTED TO CITY WATER AND TESTED PRIOR TO BEING PLACED INTO SERVICE.
3. POINT OF SERVICE:
   A. POINT OF SERVICE IS THE BACK OF CURB FOR ALL CITY STREETS WITH PLANTER STRIPS.
   B. POINT OF SERVICE IS THE BACK OF SIDEWALK FOR STREETS WITH SIDEWALK CONTIGUOUS WITH CURB AND GUTTER.
   C. POINT OF SERVICE IS THE RIGHT-OF-WAY LINE ON ALL ALLEYS AND UNIMPROVED STREETS.
   D. WHERE THE POINT OF SERVICE IS UNCLEAR THE LOCATION SHALL BE DETERMINED BY THE CROSS CONNECTION CONTROL SPECIALIST.
4. LISTS OF APPROVED BACKFLOW PREVENTION ASSEMBLIES AND CERTIFIED BACKFLOW PREVENTION ASSEMBLY TESTORS ARE AVAILABLE AT THE DEPARTMENT OF UTILITIES CUSTOMER SERVICE COUNTER LOCATED AT 1395 35TH AVE.
5. THE BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED ABOVE GROUND, IN A HORIZONTAL AND LEVEL POSITION. THE ASSEMBLY SHALL BE LOCATED ON THE CUSTOMERS SIDE AND NO FURTHER THAN FIVE (5) FEET FROM THE POINT OF SERVICE OR THE METER.
6. OUTLETS, TAPS, TEES, OR CONNECTIONS BETWEEN THE WATER MAIN AND BACKFLOW PREVENTER ARE NOT ALLOWED.
7. FREEZE BAGS ARE REQUIRED ON ALL CITY MAINTAINED ASSEMBLIES.
8. CONCRETE PAD AND PROTECTIVE ENCLOSURE REQUIRED FOR ALL CITY MAINTAINED ASSEMBLIES. ENCLOSURE SHALL BE PLACER WATERWORKS PWE1AW-M (W16"xL40"xH30") OR EQUAL. FINISH SHALL BE POWDER COATED HUNTER GREEN.
9. IF PROTECTIVE ENCLOSURE IS REQUIRED, DEPARTMENT OF UTILITIES (DOU'S) SHALL BE INSTALLED.
10. 6 MIL POLYETHYLENE WRAP WITH 10 MIL TAPE IS REQUIRED FOR ALL UNDERGROUND COPPER TUBING.

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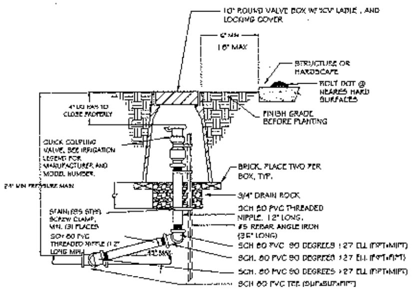
F | 2-Inch and Smaller RP Assembly with Meter



NOTES:

1) INSTALL QUICK COUPLING VALVES IN PLANTING BEDS WHEREVER POSSIBLE.
2) INSTALL VALVE BOX SO THAT TOP OF VALVE BOX IS FLUSH WITH ADJACENT HARDSCAPING.
3) PLACE 3/4" DIA. DRAIN ROCK PRIOR TO INSTALLATION OF VALVE BOX.
4) REFER TO PLAN SHEETS FOR MORE INFORMATION.
5) SIZE OF ASSEMBLY TO BE EQUAL TO THE PIPE OF THE QUICK COUPLER.

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G | QUICK COUPLER

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LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 5, SACRAMENTO, CA 95814

WILD ROSE PARK PN:L19.1870.01

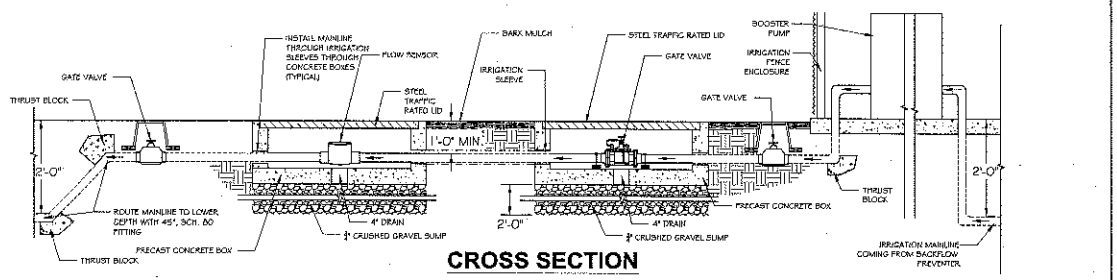
WILD ROSE PARK
SACRAMENTO, CA
Construction Details

LANDSCAPE ARCHITECT: GPH
DESIGN BY/DRAWN BY: GPH / AS
CAD FILE
DATE: OCT. 23, 2013
SCALE: AS SHOWN
P. N.: (L19.1870.01)
REVISIONS

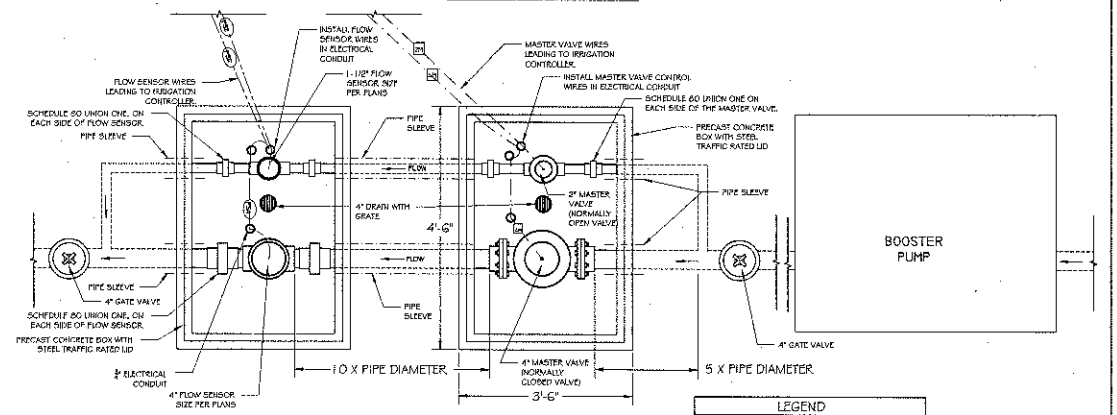
The HLA Group
Landscape Architects & Planners, Inc.
2831 Capitol Avenue, Suite 120
Sacramento, California 95816
916.447.7400
www.hlagroup.com

Bid Set

SHEET NO.
L6.6



CROSS SECTION



PLAN VIEW

NOTE:
FLOW SENSOR CABLE TO BE EX-CAB-SEN INSTALL IN CONDUIT. FLOW SENSOR WIRE NOT TO EXCEED 2000 FEET. SEPARATE CABLE MUST BE USED FOR EACH FLOW SENSOR. MASTER VALVE WIRES TO BE DIRECT BURIAL IRRIGATION WIRE.

LEGEND	
SYMBOL	DESCRIPTION
FSS	FLOW SENSOR WIRES FOR 2" IRRIGATION MAINLINE
FSL	FLOW SENSOR WIRES FOR 4" IRRIGATION MAINLINE
SM	2" MASTER VALVE CONTROL WIRES
LM	4" MASTER VALVE CONTROL WIRES

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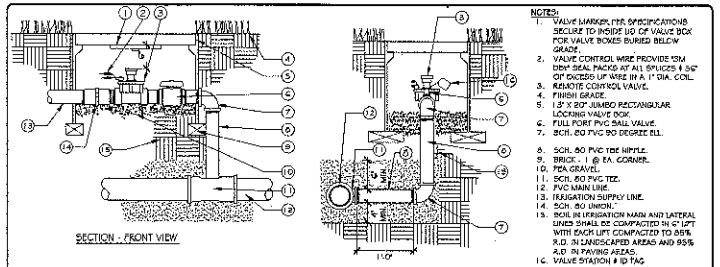
Dual Master Valve and Flow Sensor

A



NOTES:
1. VALVE MARKER, PER SPECIFICATIONS SECURE TO INSIDE LID OF VALVE BOX FOR VALVE BOXES BURIED BELOW GRADE.
2. VALVE CONTROL WIRE PROVIDE 15M DBY SEAL PACKS AT ALL SPLICES & 36" OF EXCESS UP WIRE IN A 1" DIA. COIL.
3. REMOTE CONTROL VALVE.
4. FINISH GRADE.
5. 13" X 20" JUMBO RECTANGULAR LOCKING VALVE BOX.
6. FULL PORT PVC BALL VALVE.
7. SCH. 80 PVC 90 DEGREE ELL.
8. SCH. 80 PVC TOE NIPPLE.
9. BRICK - 1 @ EA. CORNER.
10. PEA GRAVEL.
11. SCH. 80 PVC TEE.
12. PVC MAIN LINE.
13. IRRIGATION SUPPLY LINE.
14. SCH. 80 UNION.
15. SOIL IN IRRIGATION MAIN AND LATERAL LINES SHALL BE COMPACTED IN 6" LIFT WITH EACH LIFT COMPACTED TO 85% R.D. IN LANDSCAPED AREAS AND 95% A.D. IN PAVING AREAS.
16. VALVE STATION # ID TAG

NOTES:
1. CONTRACTOR SHALL INSTALL VALVES WITH MAXIMUM OF (6) VALVES MANIFOLDED TOGETHER WITH (1) BALL VALVE BEFORE EACH GROUP.

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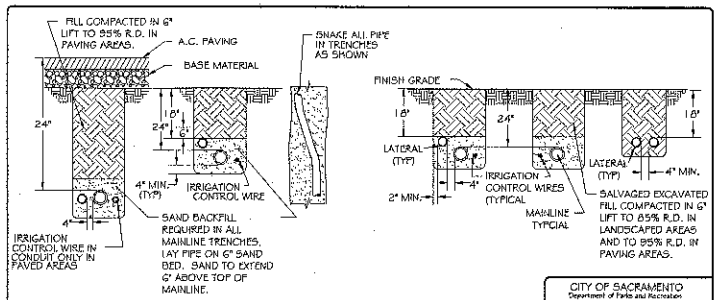
Remote Control Valve

B



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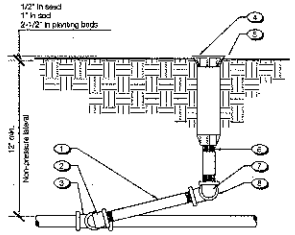
Trenching

C

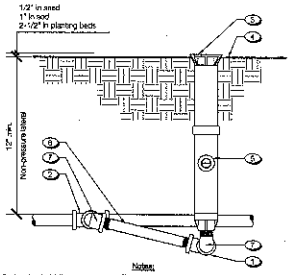


Key:
- Sch. 80 PVC nipple (6" long)
- Sch. 40 PVC 90° el, FPT x MPT
- Sch. 40 PVC tee, SLIP x SLIP x FPT
- Pop-up sprinkler
- Finish grade before planting
- Sch. 80 PVC threaded nipple (length as required)
- Sch. 40 PVC 90° street el, FPT x MPT
- Sch. 40 PVC 90° el, FPT x FPT

Notes:
A) Locate head 2" from walks, curbs, hardscaping, mow strips, header boards, and the edge of lawn areas.
B) Locate sprinklers with stream or bubbler nozzles 6" from all structures, and spray heads 12" from all structures.
C) Size of assembly to be equal to the inlet of the head.
D) Refer to specifications and plan sheets for more information.

D | Pop-up Spray Body with Rotator Nozzle

Not To Scale — Section

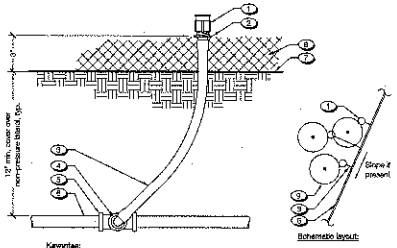


Key:
- Sch. 40 PVC 90° el, FPT x FPT
- Ash. 40 PVC tee, SLIP x SLIP x FPT
- 12" pop-up sprinkler
- Finish grade before planting
- Side inlet shall not be utilized
- Sch. 80 PVC threaded nipple (6" long)
- Sch. 40 PVC 90° street el, FPT x MPT

Notes:
A) Locate head 2" from walks, curbs, hardscaping, mow strips, header boards, etc.
B) Locate sprinklers with stream or bubbler nozzles 6" from all structures, and spray heads 12" from all structures.
C) Size of assembly to be equal to the inlet of the head.
D) Refer to specifications and plan sheets for more information.

E | 12" Pop-up Spray

Not To Scale — Section

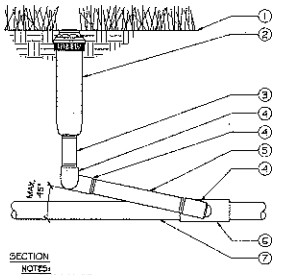


Keynotes:
- Bubbler, refer to irrigation Legend
- HDPE male compression fitting to 1/2" MPT adaptor
- Thick-wall 1/2" black PE flex tubing, as manufactured by Toro, Rain Bird, or approved equal. 4'-0" max length.
- HDPE 3/4" MPT to male compression fitting ELL
- Sch 40 PVC tee (SLIPxSLIPx3/4" FPT)
- Lateral, size per plan.
- Finish grade
- Park mulch, refer to Planting Notes
- Root ball

Notes:
A) Locate bubbler/riser 18" min. from building foundation, wall, or paving.
B) Refer to specifications and plan sheets for more information.
C) Install bubbler on uphill side of rootball in sloped beds.

F | Bubbler on Flexible Riser

Not To Scale — Section



SECTION

NOTES:
1. FINISH GRADE.
2. ROTOR POP-UP SPRINKLER.
3. PVC SCH. 80 NIPPLE (LENGTH AS REQUIRED).
4. MARLEY STREET ELL.
5. PVC SCH. 80 NIPPLE. (LENGTH AS REQUIRED).
6. PVC SCH. 80 TEE OR ELL.
7. PVC LATERAL PIPE.

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Rotor

G

Bid Set

The HLA Group
Landscape Architects & Planners, Inc.
3930 Crestal Avenue, Suite 120
Sacramento, California 95816
916.447.7400
www.hlagroup.com

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PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Construction Details

LANDSCAPE ARCHITECT
GPH

DESIGN BY/DRAWN BY
GPH / AS

CAD FILE

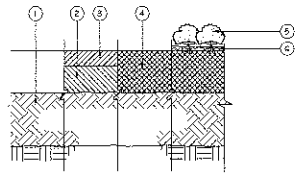
DATE OCT. 25, 2013

SCALE AS SHOWN

P. N. (L19.1870.01)

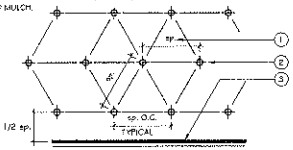
REVISIONS

SHEET NO.
L6.7



SECTION
NO SCALE

1. R/P OR SCARIFY TOP 12" OF SUBGRADE.
2. ADD 6" OF IMPORTED TOPSOIL. TOPSOIL SHALL BE PHYSICALLY AND CHEMICALLY COMPATIBLE WITH SUBSOIL.
3. ADD AMENDMENTS AND FERTILIZER PER SOILS REPORT.
4. ROTOTILL AMENDMENTS INTO IMPORTED TOPSOIL.
5. PLANT GROUNDCOVER: TRIANGULAR SPACING (SEE PLAN).
6. ADD 3" OF APPROVED MULCH.



PLAN
NO SCALE

1. GROUNDCOVER SPACING: SEE PLANTING LEGEND.
2. GROUNDCOVER CENTERS.
3. WALL, WALK OR EDGE OF GROUNDCOVER PLANTING.

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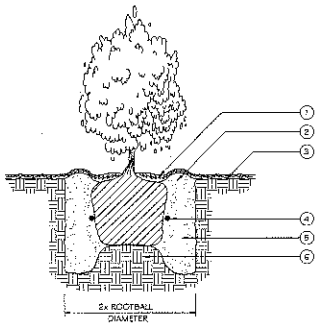
Ground Cover Planting

A



SECTION
NO SCALE

1. 3" LAYER OF APPROVED MULCH.
2. 2" HIGH EARTH MOUND.
3. FINISH GRADE: PLANT ROOT CROWN 1" ABOVE FINISH GRADE.
4. FERTILIZER TABLETS - SEE SPECIFICATIONS.
5. PREPARED BACKFILL - SEE SPECIFICATIONS.
6. PLACE ROOTBALL ON SMALL MOUND OF TAMPED/ FIRM TOPSOIL.

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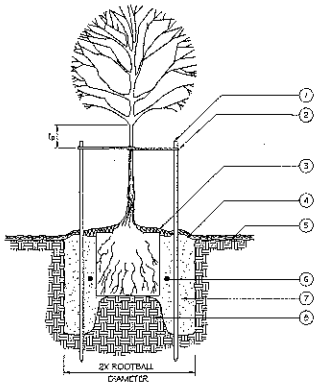
Shrub Planting

B



1. TREE STAKES: 2"Ø X 8'-0" LODGEPOLE PINE, 2 PER 15 GAL.
2. RUBBER TREE TIES: 2 PER STAKE. WRAP NO WIRE AROUND TRUNK OR LIMB.
3. MULCH: 3" LAYER.
4. 3" HIGH EARTH WATERING BERM IN PLANTER AREA ONLY.
5. FINISH GRADE. KEEP ROOT CROWN 1" ABOVE FINISH GRADE.
6. PLANT TABS. SEE SPECIFICATIONS.
7. PREPARED BACKFILL. SEE SPECIFICATIONS.
8. EXISTING UNDISTURBED SOIL.

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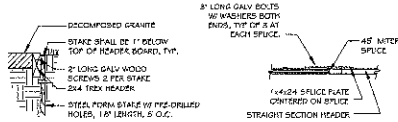
Tree Planting

C



SECTION

NOTES:
1. USE CURVED DETAIL WHEN RADIUS IS LESS THAN 30'.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON RECYCLED PLASTIC HEADER BOARD MATERIAL.
3. FINISH GRADE VARIES - REFER TO SPECIFICATIONS.

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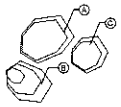
Recycled Plastic Header Board

D



	Length	Width	Height
A	3'- 4"	3'- 4"	2'- 3"
B	2'- 9"	2'- 9"	18"- 2"
C	2'- 3"	2'- 3"	18"- 2"

Key:
1. Three Rivers Boulder from Stewart Building Materials, or approved equal. Contact Jack Holmes at 916-718-5150. Landscape Architect to hand select boulders. Boulders to be placed 1/3 height into grade with no acute angles between rock face and finish grade. Minimum size 2-6' in diameter. Landscape Architect to field verify placement of all boulders.
2. Planting or turf bed, refer to planting plan and specifications.

Note:
Where plans show groupings of 3 or more boulders, provide one each of types A, B and C. For groupings of 2 or more boulders provide one A and one B. Where plans show only one boulder provide type A.

E Boulder Placement - Add Alternate #3

Not to Scale

Prev/Section

Bid Set

The HLA Group
Landscape Architects & Planners, Inc.
2700 Capitol Avenue, Suite 100
Sacramento, California 95816
916.447.7400
www.hlagroup.com

CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK
SACRAMENTO, CA
Construction Details

LANDSCAPE ARCHITECT
GPH

DESIGN BY/DRAWN BY
GPH / AS

CAD FILE

DATE OCT. 25, 2013

SCALE AS SHOWN

P. N. 619.1570.011

REVISIONS

SHEET NO.
L6.8

ELECTRICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

A	AMPERES
AC	ALTERNATING CURRENT
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CAPACITY
C	CONDUIT
CB	CIRCUIT BREAKER
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CU	COPPER
G, GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID STEEL CONDUIT
KVA	KILOVOLT AMPERES
MCA	MINIMUM CIRCUIT AMPS
MT	EMPTY CONDUIT WITH NYLON PULL CORD
N.I.C.	NOT IN CONTRACT
N/A	NOT APPLICABLE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
PH	PHASE
PVC	POLY-VINYL-CHLORIDE
RSC/PVC	RIGID STEEL CONDUIT, PVC COATED
RSC	RIGID STEEL CONDUIT
SPD	SURGE PROTECTION DEVICE
TM	THERMAL MAGNETIC
V	VOLTS, VOLTAGE
W	WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER

Connections / Equipment

- HEAVY DUTY FUSED DISCONNECT SWITCH
- JUNCTION BOX
- JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT
- MOTOR CONNECTION
- MOTOR STARTER
- NON-FUSED DISCONNECT SWITCH
- TRANSFORMER

General

- CONDUIT AND WIRE ROUTING IDENTIFICATION TAG
- EQUIPMENT TAG: IDENTIFY EQUIPMENT LOCATIONS FROM ONE-LINE DIAGRAM TO EQUIPMENT ELEVATION.
- KEYED SHEETNOTE

Lighting

- AREA LUMINAIRE ARM MOUNTED WITH POLE AND CONCRETE BASE.

Miscellaneous

- #10 3-27,29,31. BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
- CIRCUIT BREAKER
- DRY TYPE TRANSFORMER
- GROUNDING POINT
- LANDING LUG
- METER WITH CONNECTION

Switches and Receptacles

- DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS)
  - A = ABOVE COUNTER
  - B = CLOCK HANGER
  - C = FLUSH CEILING MOUNTED
  - E = EMERGENCY
  - F = ARC FAULT PROTECTED BY BREAKER IN PANEL
  - G = GROUND FAULT CIRCUIT INTERRUPTER
  - H = HOSPITAL GRADE
  - K = CHILD RESISTANT COVER
  - I = ISOLATED GROUND
  - P = PENDANT MOUNTED WITH CORD GRIPS. VERIFY PENDANT LENGTH
  - S = SPLIT WIRED
  - T = TAMPER RESISTANT SHUTTERED RECEPTACLE
  - W = WEATHERPROOF CONDINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE.
  - Y = DESIGNER DEFINED

LIGHTING FIXTURE SCHEDULE

TAG	MANUFACTURER	DESCRIPTION	LAMPS	WATTS	COLOR	MOUNTING
S1	UNION METAL CORPORATION F874-39-B102-Y1/NL424R-S1-A1-Y1	CITY OF SACRAMENTO ORNAMENTAL LIGHTING STANDARD WITH INTEGRAL PHOTOCELL	1 - 100W HPS COATED	128	SEMI GLOSS BLACK	12' POLE
S3	KENALL MR17FLMS-S-M8-28Q-2-DV-SA	FLUORESCENT SURFACE DOME WITH INTEGRAL MOTION SENSOR	2 - 28W QUAD	52	MATTE BLACK	SURFACE

NOTES:

A. THIS LIGHTING SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING ELECTRICAL SPECIFICATIONS.

B. SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.

C. PROVIDE SUBMITTALS THAT INCLUDE LIGHTING FIXTURE, LAMP, AND BALLAST INFORMATION FOR EACH FIXTURE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.

D. PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH CALIFORNIA TITLE 24 COMMISSIONING REQUIREMENTS.

INCOMING UTILITY SERVICE
DIVISION OF RESPONSIBILITY

	ELEC. CONTR.	UTILITY CO.		ELEC. CONTR.	UTILITY CO.
PRIMARY CONDUIT	☒	☐	SECONDARY CONDUIT	☒	☐
PRIMARY CONDUCTORS	☐	☒	SECONDARY CONDUCTORS	☒	☐
TRANSFORMER	☐	☒	C/T ENCLOSURE	☐	☐
TRANSFORMER PAD	☒	☐	C/T's	☒	☐
BOLLARDS	☐	☐	METER BASE	☒	☐
TRANSFORMER CONNECTIONS	☐	☒	METER	☐	☒

NOTES:
1. CONTACT AND COORDINATE ALL REQUIREMENTS AND RESPONSIBILITIES WITH SERVING UTILITY COMPANIES PRIOR TO SUBMITTING BID.
2. ALL SERVICE INSTALLATION WORK SHALL BE IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF THE SERVING UTILITIES.

POWER CONTACT:
C.J. BERRY
SACRAMENTO MUNICIPAL UTILITY DISTRICT
1708 59th STREET, MAIL STOP E204
SACRAMENTO, CA 95819
PHONE: (916) 732-5557
EMAIL: charles.berry@smud.org

STANTON ENGINEERING HAS CONTACTED THE UTILITY, BUT HAS NOT RECEIVED IN WRITING THE FINAL REQUIREMENTS FROM UTILITY COMPANY. THESE DRAWINGS INDICATE OUR BEST ESTIMATION OF THEIR REQUIREMENTS. PRIOR TO BID CONTACT THE UTILITY AND OBTAIN IN WRITING THEIR REQUIREMENTS.

Bid Set

Stanton ENGINEERING
PROJECT 13042
1419 K Street, Suite 330
Sacramento, CA 95811
TEL 916.448.8250
www.stantoneng.com

CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

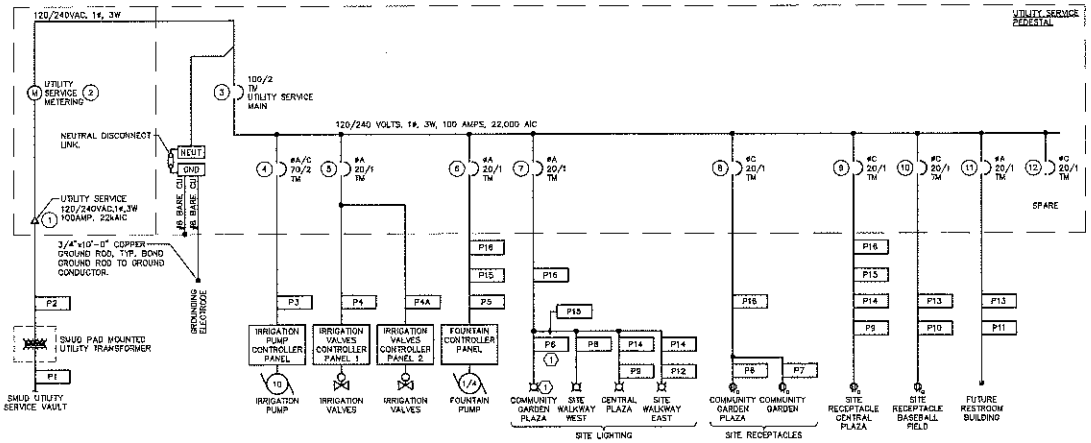
WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Electrical Symbol List, Division of Responsibility

LANDSCAPE ARCHITECT GPI
DESIGN BY/DRAWN BY DJA/JRL
CAD FILE 13042-E1.1
DATE OCT. 28, 2019
SCALE NO SCALE
P. N. (L19.1870.01)
REVISIONS

Date Signed: 10/28/19

SHEET NO. E1.1

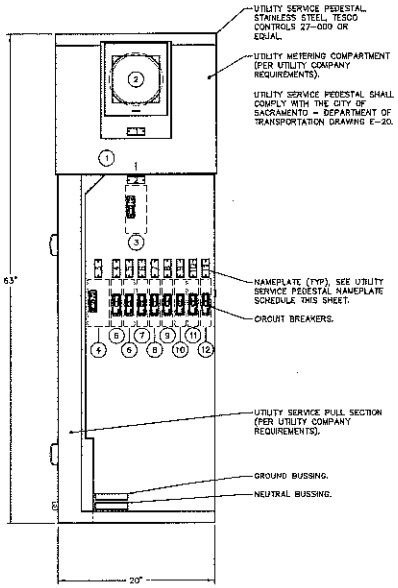


1 ONE-LINE DIAGRAM - UTILITY SERVICE PEDESTAL

NO SCALE

CONDUIT & WIRE ROUTING SCHEDULE

ID	CONDUIT NO & SIZE		CONDUCTORS NO & SIZE	FROM	TO	REMARKS
P1	1	4" PVC	BY UTILITY COMPANY	UTILITY COMPANY SERVICE VAULT	UTILITY COMPANY SERVICE TRANSFORMER	PRIMARY SERVICE
P2	1	3" PVC	3 #2 PWR 1 #8 GND	UTILITY COMPANY SERVICE TRANSFORMER	UTILITY SERVICE PEDESTAL	SECONDARY SERVICE
P3	1	1" PVC	2 #4 PWR 1 #8 GND	UTILITY SERVICE PEDESTAL	IRRIGATION PUMP CONTROLLER PANEL	240V, 1ϕ
P4	1	3/4" PVC	2 #12 PWR 1 #8 GND	UTILITY SERVICE PEDESTAL	IRRIGATION VALVE CONTROLLER PANEL 1	120V, 1ϕ
P4A	1	3/4" PVC	2 #12 PWR 1 #8 GND	UTILITY SERVICE PEDESTAL	IRRIGATION VALVE CONTROLLER PANEL 2	120V, 1ϕ
P5	1	3/4" PVC	2 #10 PWR 1 #10 GND	PULLBOX	FOUNTAIN CONTROLLER PANEL	120V, 1ϕ
P6	1	3/4" PVC	3 #10 PWR 1 #10 GND	PULLBOX	COMMUNITY GARDEN PLAZA RECEPTACLE & LIGHT	120V, 1ϕ
P7	1	3/4" PVC	2 #10 PWR 1 #10 GND	PULLBOX	COMMUNITY GARDEN RECEPTACLE	120V, 1ϕ
P8	1	3/4" PVC	2 #10 PWR 1 #10 GND	PULLBOX	SITE LIGHTING POLE MOUNTED	120V, 1ϕ
P9	1	3/4" PVC	3 #10 PWR 1 #10 GND	PULLBOX	CENTRAL PLAZA RECEPTACLE & LIGHT	120V, 1ϕ
P10	1	3/4" PVC	2 #8 PWR 1 #10 GND	PULLBOX	BASEBALL FIELD RECEPTACLE	120V, 1ϕ
P11	1	3/4" PVC	2 #8 PWR 1 #10 GND	PULLBOX	FUTURE RESTROOM BUILDING	120V, 1ϕ TAPE & SEAL CONDUCTORS IN LAST PULLBOX FOR FUTURE EXTENSION
P12	1	3/4" PVC	2 #10 PWR 1 #10 GND	PULLBOX	SITE LIGHTING POLE MOUNTED	120V, 1ϕ
P13	1	3/4" PVC	3 #8 PWR 1 #10 GND	UTILITY SERVICE PEDESTAL	PULLBOX	120V, 1ϕ CONDUITS: P10, P11
P14	1	3/4" PVC	3 #10 PWR 1 #10 GND	PULLBOX	PULLBOX	120V, 1ϕ CONDUITS: P9, P12
P15	1	3/4" PVC	5 #10 PWR 1 #10 GND	PULLBOX	PULLBOX	120V, 1ϕ CONDUITS: P5, P14
P16	1	3/4" PVC	8 #10 PWR 1 #10 GND	UTILITY SERVICE PEDESTAL	PULLBOX	120V, 1ϕ CONDUITS: P6, P7, P15
P17	1	3/4" PVC	1 PULLROPE	UTILITY SERVICE PEDESTAL	PULLBOX	SPARE - CAP ALL ENDS



2 UTILITY SERVICE PEDESTAL - ELEVATION

NO SCALE (EXTERIOR POWER DISTRIBUTION DOOR NOT SHOWN FOR CLARITY)

UTILITY SERVICE PEDESTAL NAMEPLATE SCHEDULE

No.	LETTER SIZE	INSCRIPTION
1	3/8"	WILD ROSE PARK UTILITY SERVICE PEDESTAL
2	3/16"	MAIN DISCONNECT
3	3/16"	IRRIGATION PUMP CONTROLLER
4	3/16"	IRRIGATION VALVE CONTROLLER
5	3/16"	FOUNTAIN CONTROLLER
6	3/16"	SITE LIGHTING
7	3/16"	SITE RECEPTACLES COMMUNITY GARDEN
8	3/16"	SITE RECEPTACLE CENTRAL PLAZA
9	3/16"	SITE RECEPTACLE BASEBALL FIELD
10	3/16"	RESTROOM BUILDING
11	3/16"	SPARE

LOAD CALCULATIONS

IRRIGATION PUMP CONTROLLER	10 HP	=	12.0 kVA
IRRIGATION VALVES CONTROLLER		=	0.1 kVA
FOUNTAIN PUMP CONTROLLER	1/4 HP	=	0.8 kVA
SITE LIGHTING		=	0.3 kVA
SITE RECEPTACLES - COMMUNITY GARDEN		=	0.4 kVA
SITE RECEPTACLE - CENTRAL PLAZA		=	0.2 kVA
SITE RECEPTACLE - BASEBALL FIELD		=	0.2 kVA
RESTROOM BUILDING - FUTURE			0.8 kVA
SUB-TOTAL		=	14.8 kVA
+25% CONTINUOUS		=	3.1 kVA
+25% LARGEST MOTOR		=	3.0 kVA
TOTAL		=	20.9 kVA

UTILITY SERVICE:
240/120VAC,1ϕ,3W
20.9 kVA / 0.24V = 87.1 AMPS

100AMP SERVICE REQUIRED

⬡ SHEET KEYNOTES

1 ADD ALTERNATE #1.

Bid Set

Stanton ENGINEERING
PROJECT 13043
1818 K Street, Suite 250
Sacramento, CA 95811
TEL 916 294 5250
www.stantoneng.com

CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

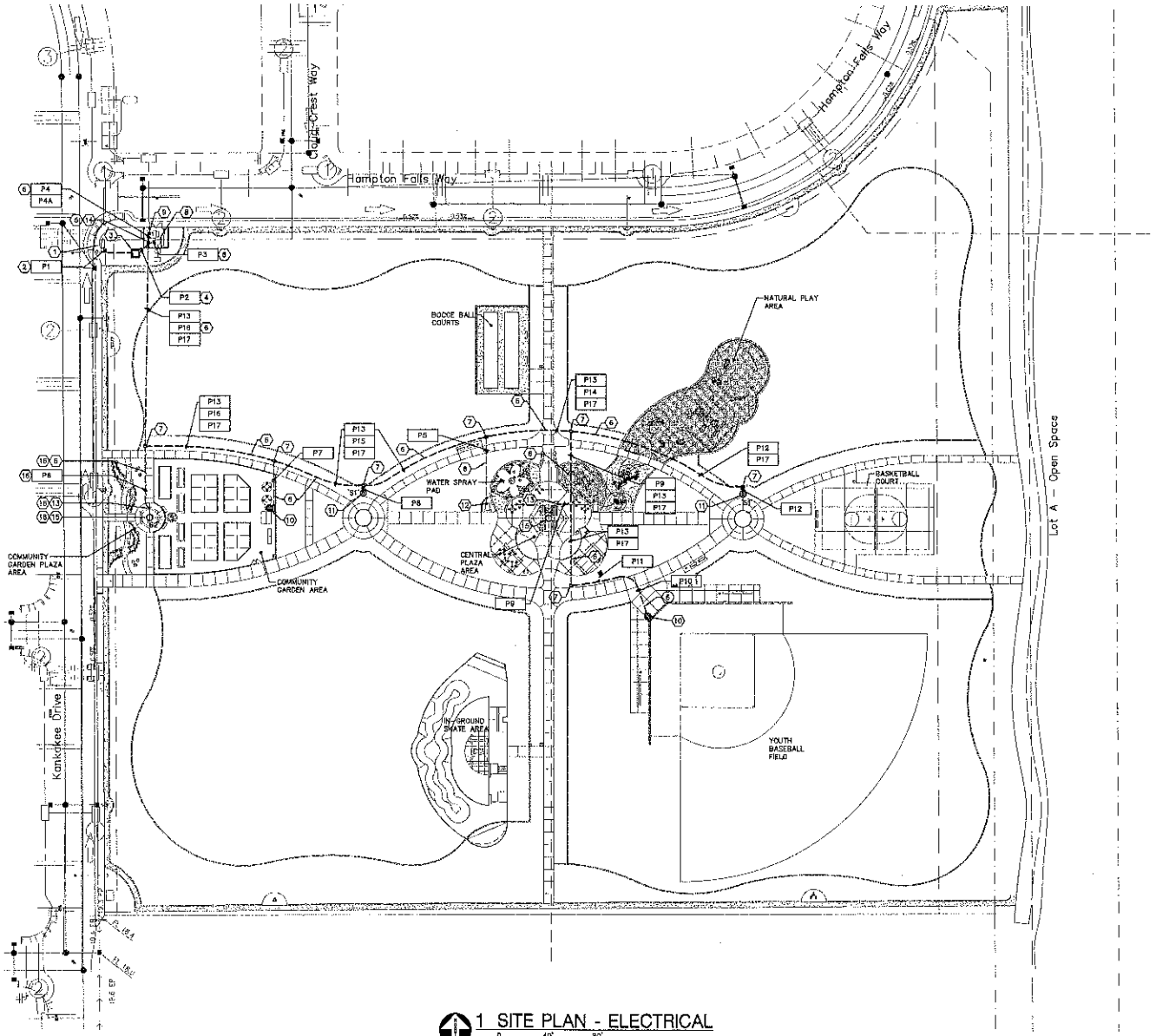
WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
One-line Diagram, Elevations

LANDSCAPE ARCHITECT GFII
DESIGN BY/DRAWN BY DJA/JRL
CAD FILE 13043-E2.1
DATE OCT. 25, 2013
SCALE AS NOTED
P. N. L19.1870.01
REVISIONS

Date Signed: 10/26/13

SHEET NO
E2.1



1 SITE PLAN - ELECTRICAL

0 40' 80'

SCALE: 1"=40'-0"

SHEET KEYNOTES

1. EXISTING UTILITY COMPANY (SMUD) ELECTRICAL VAULT.
2. UNDERGROUND PRIMARY SERVICE CONDUIT INSTALLED PER UTILITY COMPANY REQUIREMENTS.
3. UTILITY COMPANY PAD MOUNTED SERVICE TRANSFORMER AND CONCRETE PAD PER UTILITY COMPANY REQUIREMENTS.
4. UNDERGROUND SECONDARY SERVICE CONDUIT INSTALLED PER UTILITY COMPANY REQUIREMENTS.
5. UTILITY SERVICE PEDESTAL, FOR LAYOUT SEE ONE-LINE DIAGRAM AND UTILITY SERVICE PEDESTAL ELEVATION, SHEET E2.1.
6. UNDERGROUND CONDUIT(S), FOR INSTALLATION SEE TYPICAL TRENCH DETAIL, SHEET E4.1.
7. UNDERGROUND CONCRETE PULLBOX, FOR INSTALLATION SEE TYPICAL CONCRETE PULLBOX DETAIL, SHEET E4.1.
8. IRRIGATION PUMP AND CONTROLLER ENCLOSURE.
9. IRRIGATION VALVE CONTROLLER PANELS 1 & 2.
10. SITE RECEPTACLE, FOR INSTALLATION SEE RECEPTACLE - FIELD MOUNTED DETAIL, SHEET E4.1.
11. POLE MOUNTED SITE LIGHT, FOR INSTALLATION SEE POLE MOUNTED SITE LIGHT DETAIL, SHEET E4.1.
12. FOUNTAIN CONTROLLER PANEL.
13. STUB-UP AND ROUTE RIGID STEEL CONDUIT EXPOSED ON PLAZA STRUCTURE TO GFIC RECEPTACLE (BOX & COVER) MOUNTED AT +18", CONTINUE CONDUIT EXPOSED TO LIGHT FIXTURE 'S2' MOUNTED CENTERED IN PLAZA STRUCTURE. FOR INSTALLATION SEE DETAIL, DRAWING E4.1.
14. PEDESTAL CONCRETE PAD, FOR INSTALLATION SEE DETAIL, DRAWING E4.1.
15. LIGHT FIXTURE 'S2' TO BE MOUNTED TO BUILDING STRUCTURE AS REQUIRED. PROVIDE PHOTOCELL IN CAST WEATHERPROOF JUNCTION BOX, MOUNTED ABOVE ROOF AND FACING NORTH.
16. ADD ALTERNATE #1.

Bid Set

Stanton ENGINEERING

PROJECT 13042
1519 K Street, Suite 200
Sacramento, CA 95811
TEL 916.280.5200
www.stantoneng.com

CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN:L19.1870.01

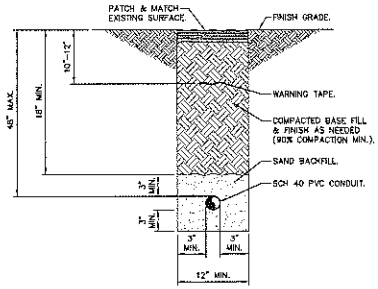
WILD ROSE PARK
SACRAMENTO, CA
Site Plan - Electrical

LANDSCAPE ARCHITECT GFM
DESIGN BY/DRAWN BY DJA/JRL
CAD FILE 13042-E3.1
DATE OCT. 25, 2013
SCALE 1" = 40'-0"
P. N. L19.1870.01
REVISIONS

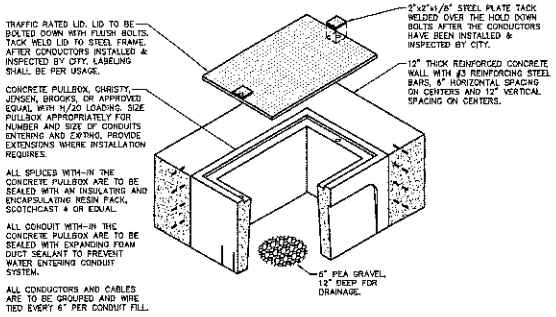
REGISTERED PROFESSIONAL ENGINEER LAWRENCE W. AYERS No. 13042 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 10/28/13

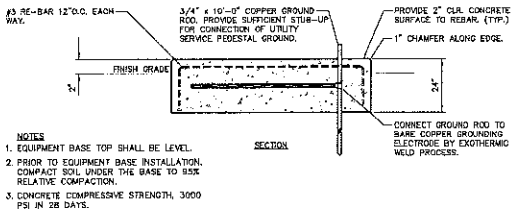
SHEET NO.
E3.1



1 TYPICAL TRENCH DETAIL
NO SCALE

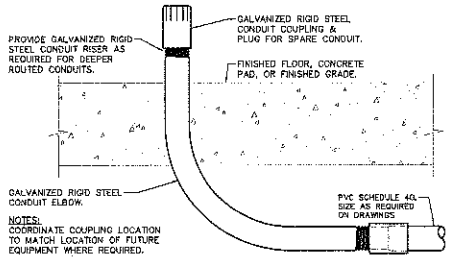


2 TYPICAL CONCRETE PULLBOX DETAIL
NO SCALE

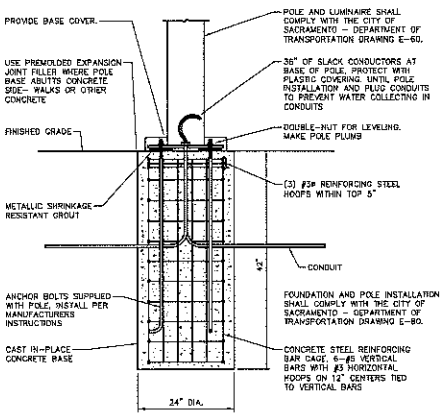


NOTES
1. EQUIPMENT BASE TOP SHALL BE LEVEL.
2. PRIOR TO EQUIPMENT BASE INSTALLATION, COMPACT SOIL UNDER THE BASE TO 85% RELATIVE COMPACTION.
3. CONCRETE COMPRESSIVE STRENGTH, 3000 PSI IN 28 DAYS.

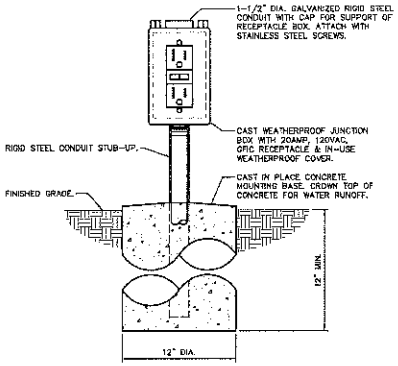
3 PEDESTAL CONCRETE PAD DETAIL
NO SCALE



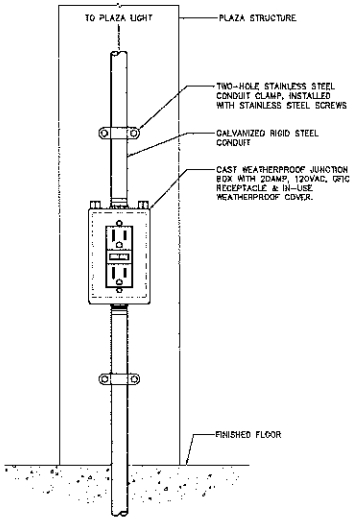
4 CONDUIT STUB-UP DETAIL
NO SCALE



5 POLE MOUNTED SITE LIGHT - FLUSH ANCHOR BASE
NO SCALE



SITE RECEPTACLE
6 FIELD MOUNTED INSTALLATION DETAIL
NO SCALE



SITE RECEPTACLE
7 PLAZA MOUNTED INSTALLATION DETAIL
NO SCALE

Bid Set

Stanton ENGINEERING
Project No. 13042
1518 K Street, Suite 250
Sacramento, CA 95811
TEL. 916.288.5210
www.stantoneng.com

CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814
WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Electrical Details

LANDSCAPE ARCHITECT: GFI
DESIGN BY/DRAWN BY: DJAUREL
CAD FILE: 13042-E4.1
DATE: OCT. 25, 2013
SCALE: NO SCALE
P. N.: L19.1870.01
REVISIONS

REGISTERED PROFESSIONAL ENGINEER
LAWRENCE W. STANTON
No. 12-13
ELECTRICAL
STATE OF CALIFORNIA
Date Signed: 10/28/13

SHEET NO.
E4.1

A. GENERAL NOTES

1. MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE CURRENT EDITION OF THE CALIFORNIA BUILDING CODE AND LOCALLY ENFORCED CODES. ALL BUILDING MATERIALS SHALL BE INSTALLED AS DIRECTED BY THE LATEST WRITTEN SPECIFICATIONS EXCEPT WHEN OTHERWISE NOTED.
2. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING OF LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE SKATE PARK DESIGNER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH CONTRACT DRAWINGS.
4. WRITTEN DIMENSIONS ARE TO TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY PROJECT MANAGER OF ANY DISCREPANCIES FOUND IN THE FIELD.
5. ALL MATERIAL STORED ON SITE SHALL BE PROPERLY STACKED AND PROTECTED TO PREVENT DAMAGE AND DETERIORATION.
6. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING EXISTING CONDITIONS AND CAREFUL EXAMINATION OF THE PLANS AND SPECIFICATIONS. THE SUBMISSION OF A BID SHALL BE CONCLUSIVE EVIDENCE THAT THE CONTRACTOR HAS COMPLETE UNDERSTANDING OF THE SCOPE OF WORK, MATERIALS REQUIRED, AND THE QUALITY OF WORK REQUIRED TO COMPLETE THE CONTRACT.
8. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DESIGN AND PROVIDE TEMPORARY SHORING, BRACING AND FORM WORK AS REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION.
9. ALL SKATE PARK STRUCTURE CONCRETE AND SHOTCRETE SHALL BE MINIMUM 4,000 PSI, REINFORCED WITH #4 REINFORCING BARS @ 12" O.C., BOTH DIRECTIONS UNLESS SPECIFICALLY NOTED OTHERWISE.
10. ALL EDGES AND CORNERS OF CONCRETE FEATURES SHALL HAVE 1/2" RADII, UNLESS NOTED OTHERWISE.
11. CONTRACTOR SHALL VERIFY AND COORDINATE FINISH GRADES AND CURB EDGES WITH RELATED SITE IMPROVEMENTS. CONTRACTOR SHALL IMMEDIATELY REPORT ANY CONFLICTS OR DISCREPANCIES TO THE PROJECT MANAGER.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY RAIN WATER OR DEBRIS FROM THE PROJECT SITE, AS NEEDED, DURING CONSTRUCTION AND PRIOR TO PLACING ANY CONCRETE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING GROUND ELEVATIONS, PIPE INVERTS, AND OVERALL TOPOGRAPHY OF THE SITE, AS WELL AS, ALL SITE DIMENSIONS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT MANAGER IN WRITING OF ANY DIFFERENCES IN TOPOGRAPHY OR SITE DIMENSION THAT DIFFER FROM THOSE SHOWN ON THE PLANS.
14. THE CONTRACTOR SHALL ESTIMATE EARTHWORK QUANTITIES PRIOR TO START OF CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR ANY EXPORT OR IMPORT REQUIRED.
15. ALL SKATE PARK STRUCTURE GRADING, COMPACTION, AND EARTHWORK SHALL COMPLY WITH THE RECOMMENDATIONS AND REQUIREMENTS OF THE GEOTECHNICAL REPORT.
16. ALL SKATE PARK CONCRETE SHALL HAVE A SMOOTH HARD TROWEL FINISH UNLESS NOTED OTHERWISE.
17. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE PROJECT MANAGER FOR ANY CHANGES TO THE PROJECT LAYOUT OR DESIGN. ANY CHANGES OR DEVIATIONS WITHOUT WRITTEN APPROVAL OF THE PROJECT MANAGER SHALL ABSOLVE THE PROJECT MANAGER OF ANY AND ALL RESPONSIBILITY OF SAID CHANGE OR DEVIATION.
18. ALL REINFORCING BARS SHALL HAVE A 24" OVERLAP; TYP. SEE SPECIFICATIONS.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY AND CONSTRUCTION STAKING.
20. CONTRACTOR SHALL LAYOUT THE PERIMETER OF THE SKATE PARK FEATURES WITH PAINT OR CHALK, NOTING EXISTING AND PROPOSED FINISHED GRADES AT KEY POINTS. THE SAID LAYOUT SHALL BE REVIEWED AND APPROVED BY THE PROJECT MANAGER BEFORE THE COMMENCEMENT OF ANY SITE CONSTRUCTION.
21. CONTRACTOR IS ONLY RESPONSIBLE FOR PLACING AGGREGATE BASE A MINIMUM DISTANCE OF FOUR (4) VERTICAL FEET UP ALL TRANSITIONS AS MEASURED FROM THE BASE TANGENT POINT. THIS VARIANCE ONLY APPLIES TO TRANSITIONS THAT APPROACH NEAR VERTICAL CONDITIONS ABOVE FOUR (4) VERTICAL FEET FROM THE BASE TANGENT POINT ELEVATION. SHOTCRETE APPLIED IN CONDITIONS WITHOUT THE AGGREGATE BASE SHALL BE PER THE SPECIFIED THICKNESS. NO ADDITIONAL SHOTCRETE SHALL BE REQUIRED AS THE SUBGRADES WILL BE GRADED TO THE ELEVATIONS OF THE AGGREGATE BASE.
22. SEE SHOTCRETE TEMPLATE DETAIL FOR ALL RADIAL SHOTCRETE APPLICATIONS.

B. EXCAVATIONS

1. ALL EXCAVATIONS AND SUBGRADE PREPARATIONS SHALL BE IN CONFORMANCE WITH THE PROJECT GEOTECHNICAL REPORT.
2. CONTRACTOR SHALL CAREFULLY EXCAVATE ALL MATERIALS NECESSARY OF WHATEVER NATURE, FOR CONSTRUCTION OF THE WORK. ANY MATERIAL OF AN UNSUITABLE OR DELETERIOUS NATURE DISCOVERED BELOW THE BOTTOMS OF THE FOUNDATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER BEFORE PROCEEDING WITH THE WORK.
3. FINISH GRADING SHALL BE ACCOMPLISHED IN SUCH A MANNER AS TO SLOPE GRADE (MINIMUM OF 3%) AWAY FROM FOUNDATIONS. GRADING SHALL ALSO ELIMINATE ANY POTENTIAL PONDING NEAR FOUNDATIONS.

C. RETAINING WALLS

1. CONTRACTOR IS RESPONSIBLE FOR THE SHORING OF ALL RETAINING WALLS DURING CONSTRUCTION. CALCULATIONS FOR SHORING REQUIREMENTS SHALL INCLUDE PROVISIONS FOR SURCHARGES DUE TO COMPACTION OPERATIONS.
2. NO BACKFILLING OPERATIONS SHALL OCCUR LESS THAT 7 DAYS AFTER CONCRETE HAS BEEN PLACED IN THE WALLS.

D. SHOTCRETE

1. AT A MINIMUM, SHOTCRETE SHALL BE USED IN ALL LOCATIONS INDICATED IN THE DETAILS. ALL SHOTCRETE WORK SHALL CONFORM TO THE SPECIFICATION FOR MATERIALS, PROPORTIONING, AND APPLICATION OF SHOTCRETE (ACI506.2-95). SEE SPECIFICATIONS FOR FINISH REQUIREMENTS. SEE BID DOCUMENTS FOR PREQUALIFICATION REQUIREMENTS. CONTRACTOR SHALL COMPLY WITH 2010 CBC CHAPTER 19 DIV. V SECTION 1924 – SHOTCRETE.

E. CONCRETE

1. ALL SKATE PARK CONCRETE SHALL BE READY MIXED CONFORMING WITH ASTM C-94, 4" MAX. SLUMP, AND ATTAIN A MINIMUM OF 4'000 p.s.i. COMPRESSIVE STRENGTH AT 28 DAYS:
2. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE PROVISIONS OF THE FOLLOWING LATEST ACI STANDARDS.
3. CONCRETE FOOTINGS AND PADS MAY BE POURED AGAINST NEAT EXCAVATIONS.
4. CURING OF CONCRETE SHALL BE PER THE PROJECT SPECIFICATIONS.
5. ALL REINFORCING BARS, ANCHOR BOLTS AND CONCRETE INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING CONCRETE.
6. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING CONCRETE. DO NOT CUT ANY REINFORCING.
7. NO CONSTRUCTION JOINTS (OTHER THAN THOSE SHOWN ON DRAWINGS) SHALL BE INSTALLED WITHOUT APPROVAL OF THE SKATE PARK DESIGNER.
8. CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IN ADVANCE TO OBSERVE COMPLETED FOOTING EXCAVATION AND ALL REINFORCING BAR PLACEMENTS BEFORE ANY CONCRETE IS PLACED.
9. ALL CONCRETE FORM WORK SHALL REMAIN IN PLACE UNTIL CONCRETE REACHES 70 PERCENT OF DESIGN CAPACITY AND NO EARLIER THAN (7) SEVEN DAYS SUBSEQUENT TO PLACEMENT.

F. REINFORCEMENT

1. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A-615 GRADE 60.
2. ALL REINFORCING IN CONCRETE SHALL BE CONTINUOUS OR LAPPED IN ACCORDANCE WITH ACI 318.
3. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT FROM DISPLACING DUE TO FORM WORK, CONSTRUCTION, OR CONCRETE PLACEMENT OPERATIONS. LOCATE AND SUPPORT REINFORCING BY METAL CHAIRS, RUNNER, BOLSTERS, SPACERS, AND HANGERS AT A MAXIMUM 3 FOOT SPACING.
4. ALL REINFORCING SHALL BE INSPECTED BY THE SKATE PARK DESIGNER PRIOR TO PLACING ANY CONCRETE.
5. ALL WORK DONE UNDER THIS SECTION SHALL CONFORM WITH THE APPLICABLE PORTIONS OF ACI 318, LATEST EDITION, PARTICULARLY CHAPTER 7, "DETAILS OF REINFORCEMENT".
6. ALL REINFORCEMENT TO BE WELDED SHALL BE A706 GRADE 60.

SHEET INDEX

SP-1.0	GENERAL NOTES
SP-2.0	CONSTRUCTION PLAN
SP-2.1	LAYOUT PLAN
SP-2.2	HARDSCAPE PLAN
SP-2.3	MATERIAL PLAN
SP-3.0	BOUNDARY PLAN
SP-4.0	SKATE PARK DETAILS
SP-4.1	SKATE PARK DETAILS
SP-4.2	SKATE PARK DETAILS
SP-4.3	SKATE PARK DETAILS

CONTACT

SKATE PARK DESIGNER
WORMHOUDT INCORPORATED
849 ALMAR AVENUE C-280
SANTA CRUZ, CA 95060

PHONE: 831 426 8424
EMAIL: ADMIN@SKATEPARKS.COM

CONCRETE HATCH INDEX

- 4,000 PSI SHOTCRETE: REFER TO THE PROJECT TECHNICAL SPECIFICATION.
- 4,000 PSI SKATE PARK STRUCTURE CEMENT CONCRETE PAVEMENT: REFER TO THE PROJECT TECHNICAL SPECIFICATION.
- AGGREGATE BASE: REFER TO THE PROJECT GEOTECHNICAL REPORT FOR THICKNESS AND COMPACTION REQUIREMENTS.
- COMPACTED SUBGRADE: REFER TO THE PROJECT GEOTECHNICAL REPORT FOR THICKNESS AND COMPACTION REQUIREMENTS.

ABBREVIATIONS

(E)	EXISTING	FS	FINISH SURFACE
(N)	NEW	TYP.	TYPICAL
@	AT	W/	WITH
CONC.	CONCRETE	N.T.S.	NOT TO SCALE
C L	CENTERLINE	O.C.	ON CENTER
DIA.	DIAMETER	VERT.	VERTICAL
DD	DECK DRAIN	BOT.	BOTTOM
GALV.	GALVANIZED	ALT.	ALTERNATE
L.F.	LINEAR FEET	CONT.	CONTINUOUS
I.D.	INNER DIAMETER	THK.	THICK
MAX.	MAXIMUM	INV.	INVERT ELEVATION
MIN.	MINIMUM	CJ	COLD JOINT
N.I.C.	NOT IN CONTRACT	TF	TOP OF FENCE
R	RADIUS	TW	TOP OF WALL
REBAR	STEEL REINFORCEMENT	FG	FINISH GRADE
TC	TOP OF CURB	HP	HIGH POINT
TP	TANGETN POINT	LP	LOW POINT
TD	TOP OF DRAIN		

X — DETAIL NUMBER
X-X — SHEET NUMBER

WILD ROSE PARK SKATE PARK

General Notes

Bid Set

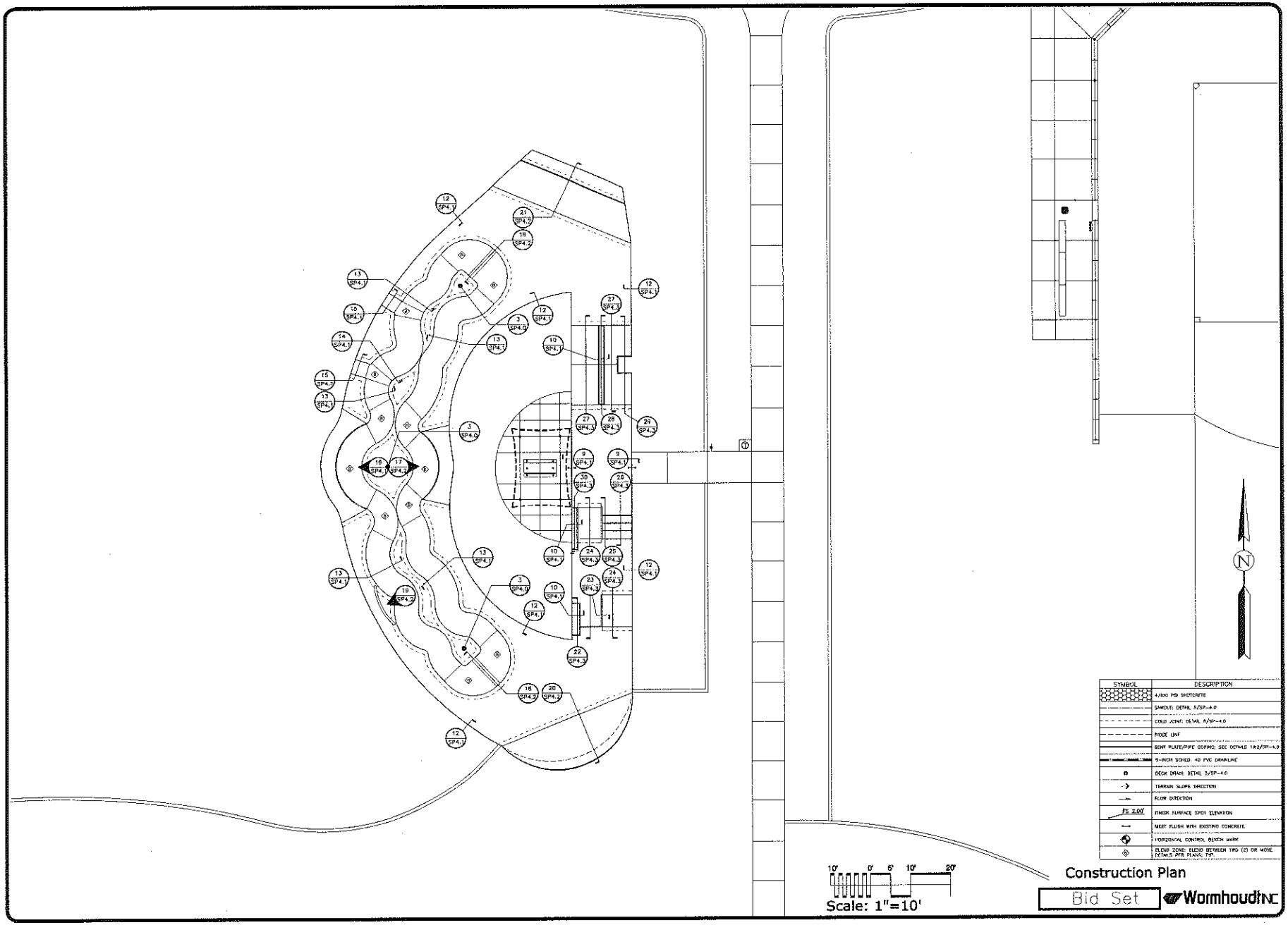
Wormhoudt INC

CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814
WILD ROSE PARK PNL19-187/0.01

WILD ROSE PARK
SACRAMENTO, CA

LANDSCAPE ARCHITECT: ZAV
DESIGN BY/DRAWN BY: CKW
CAD FILE: WILD ROSE
DATE: OCT. 25, 2013
SCALE: AS SHOWN
P. N. (L19.187/0.01)
REVISIONS

SHEET NO. SP-1.0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Bid Set
Wormhoudinc
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COLD JOINT; DETAIL 8/SP-4.0
ROCK LINE
SENT PLATE/PIPE COPING; SEE DETAILS 1&2/SP-4.0
6-INCH SCHED. 40 PVC DRAINLINE
DECK DRAIN; DETAIL 3/SP-4.0
TERRAIN SLOPE DIRECTION
FLOW DIRECTION
FS 2.00'
FINISH SURFACE SPOT ELEVATION
MEET FLUSH WITH EXISTING CONCRETE
HORIZONTAL CONTROL BENCH MARK
BLEND ZONE; BLEND BETWEEN TWO (2) OR MORE DETAILS. REF. PLANS; TYP.
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814
WILD ROSE PARK PN:L19.1870.01
WILD ROSE PARK
SACRAMENTO, CA
LANDSCAPE ARCHITECT
JAW
DESIGN BY/DRAWN BY
CKW
CAD FILE
WILD ROSE
DATE OCT. 20, 2015
SCALE AS SHOWN
P. N. L19.1870.01
REVISIONS
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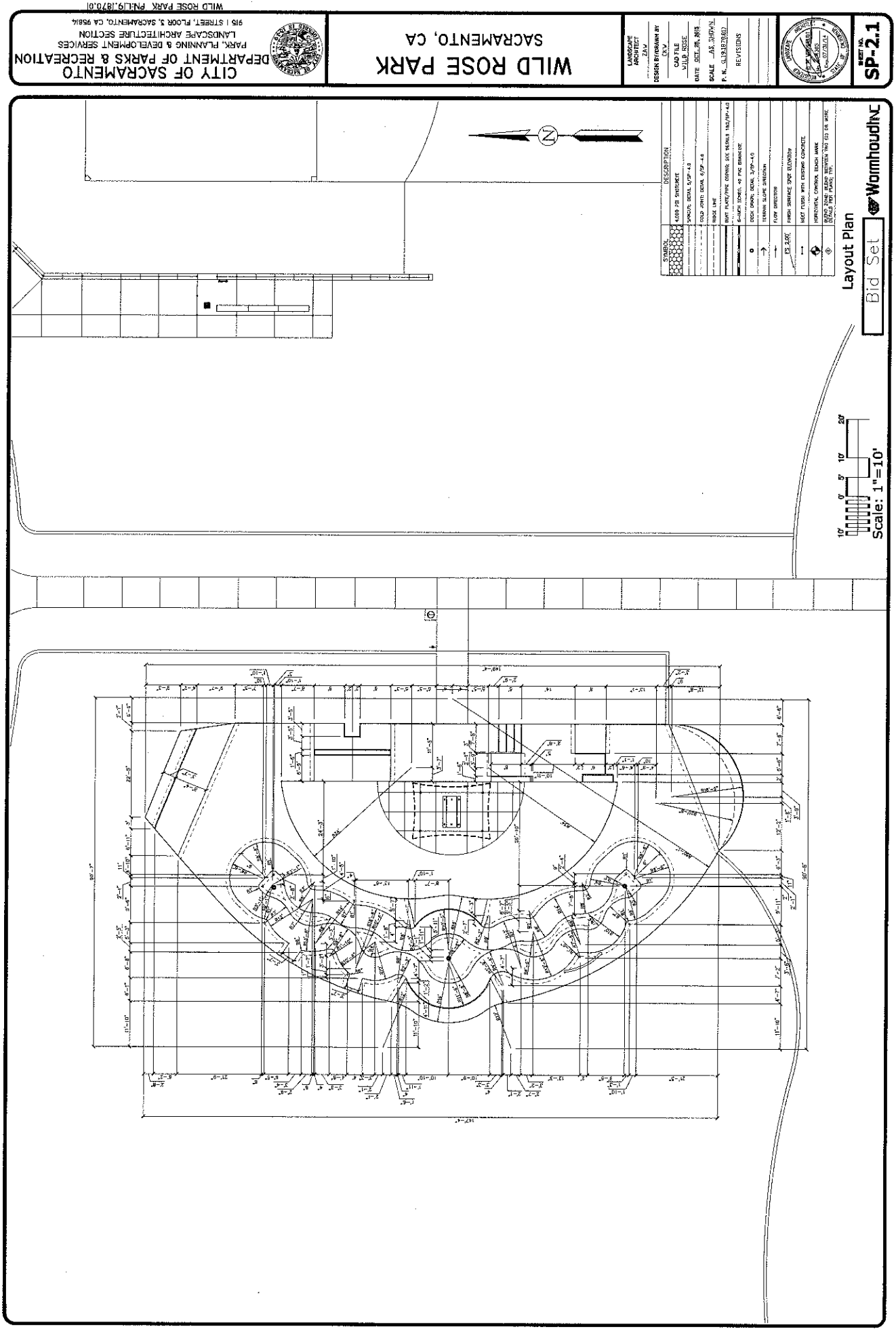
SP-2.0


CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814
WILD ROSE PARK
SACRAMENTO, CA
LANDSCAPE ARCHITECT
ZAW
DESIGN BY/DRAWN BY
CKW
CAD FILE
WILD ROSE
DATE OCT. 28, 2013
SCALE AS SHOWN
P. N. (L19.1870.01)
REVISIONS
SHEET NO.
SP-2.1
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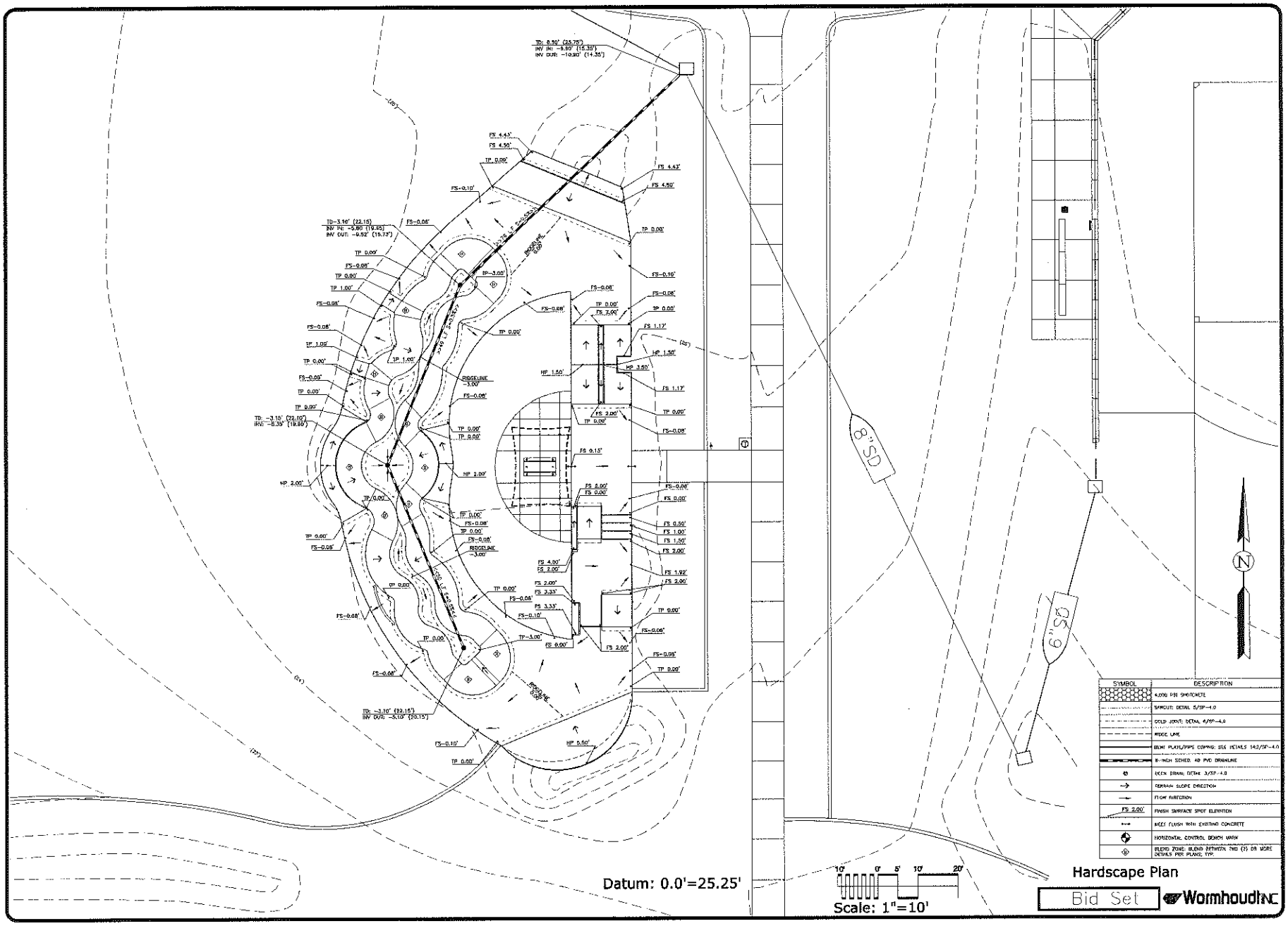
Wormhoudinc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Hardscape Plan
Bid Set
WomhoudInc
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SAWCUT: DETAIL 5/SP-4.0
COLD JOINT: DETAIL 4/SP-4.0
RIDGE LINE
BLINT PLATE/PIPE COPING: SEE DETAILS 14.2/SP-4.0
8-INCH SCHED. 40 PVC DRAINLINE
DECK DRAIN: DETAIL 3/SP-4.0
TERRAIN SLOPE DIRECTION
FLOW DIRECTION
FS 2.00'
FINISH SURFACE SPOT ELEVATION
MEET FLUSH WITH EXISTING CONCRETE
HORIZONTAL CONTROL BENCH MARK
BLEND ZONE: BLEND BETWEEN TWO (2) OR MORE DETAILS PER PLANS; TYP.
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814
WILD ROSE PARK PN:L19.1870.01
WILD ROSE PARK
SACRAMENTO, CA
LANDSCAPE ARCHITECT
ZAV
DESIGN BY/DRAWN BY
DKW
CAD FILE
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DATE OCT. 25, 2018
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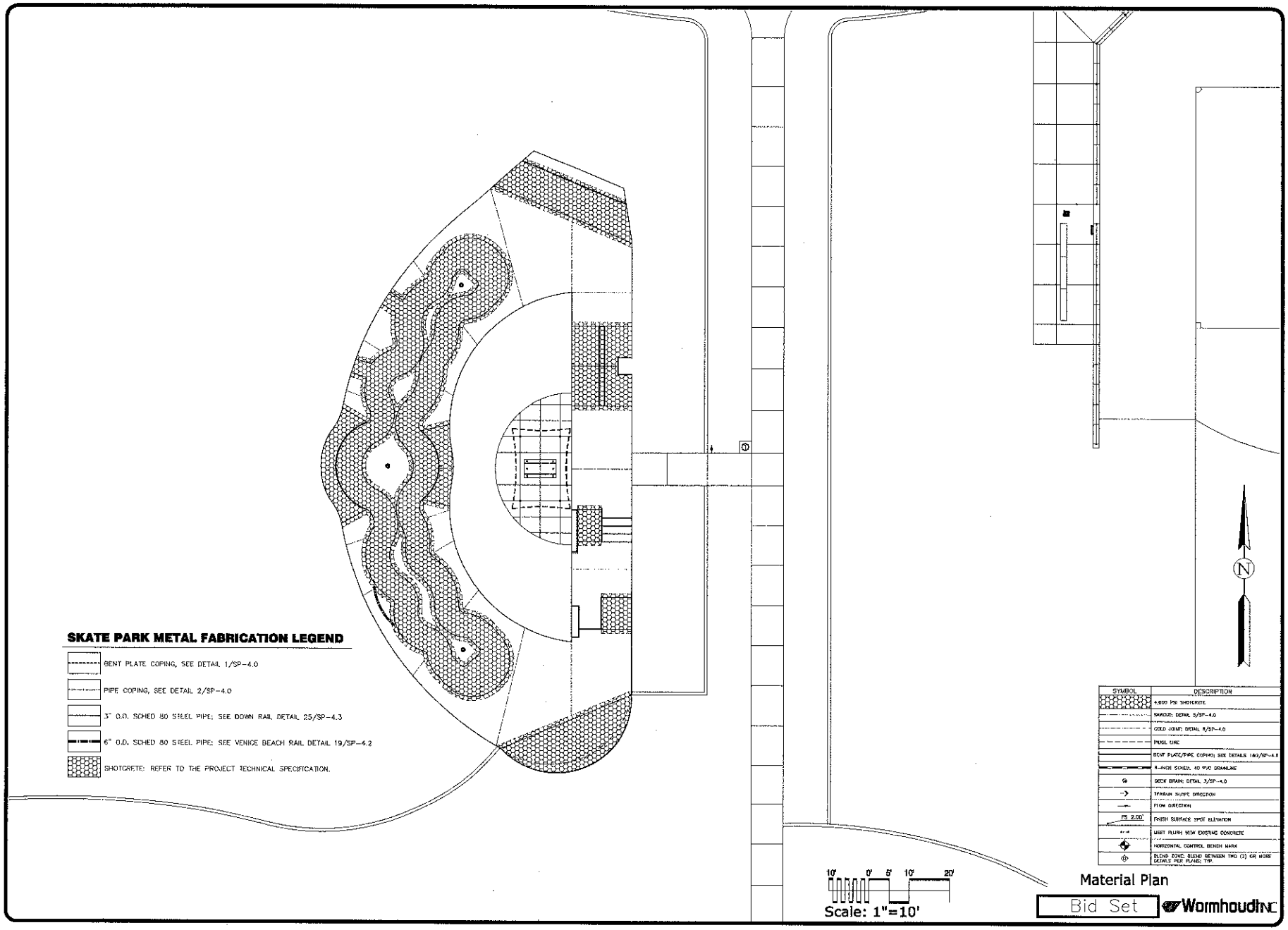
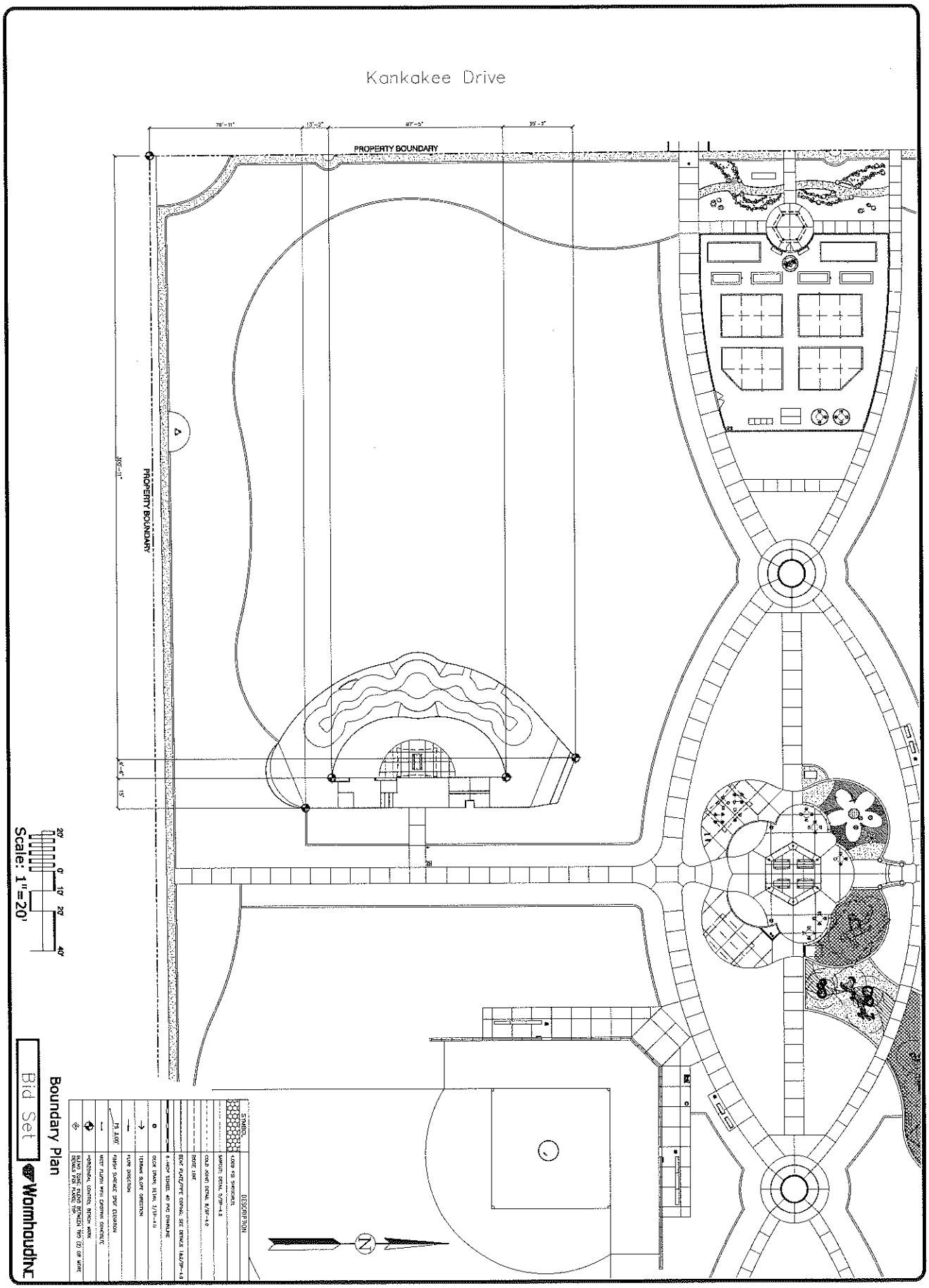
P. N. CL19.1870.01
REVISIONS
SHEET NO.
SP-2.2


SKATE PARK METAL FABRICATION LEGEND
BENT PLATE COPING, SEE DETAIL 1/SP-4.0
PIPE COPING, SEE DETAIL 2/SP-4.0
3" O.D. SCHED 80 STEEL PIPE; SEE DOWN RAIL DETAIL 25/SP-4.3
6" O.D. SCHED 80 STEEL PIPE; SEE VENICE BEACH RAIL DETAIL 19/SP-4.2
SHOTCRETE: REFER TO THE PROJECT TECHNICAL SPECIFICATION.
SYMBOL
DESCRIPTION
4,000 PSI SHOTCRETE
SAWCUT; DETAIL 5/SP-4.0
COLD JOINT; DETAIL 8/SP-4.0
PROJ. LINE
BENT PLATE/PIPE COPING; SEE DETAILS 1&2/SP-4.0
8-INCH SCHED. 40 PVC DRAINLINE
DECK DRAIN; DETAIL 3/SP-4.0
TERRAIN SLOPE DIRECTION
FLOW DIRECTION
FS 2.00'
FINISH SURFACE SPOT ELEVATION
MEET FLUSH WITH EXISTING CONCRETE
HORIZONTAL CONTROL BENCH MARK
BLEND ZONE; BLEND BETWEEN TWO (2) OR MORE DETAILS PER PLANS; TYP.
10' 0' 5' 10' 20'
Scale: 1"=10'
Material Plan
Bid Set
Wormhoudinc
N
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814
WILD ROSE PARK P.N.:L19.1870.01
WILD ROSE PARK
SACRAMENTO, CA
LANDSCAPE ARCHITECT
ZAW
DESIGN BY/DRAWN BY
CKW
CAD FILE
WILD ROSE
DATE OCT. 28, 2015
SCALE AS SHOWN
P. N. (L19.1870.01)
REVISIONS
L. A. VOROBIOVS
LANDSCAPE ARCHITECT
02/28/14
STATE OF CALIFORNIA
SHEET NO.
SP-2.3

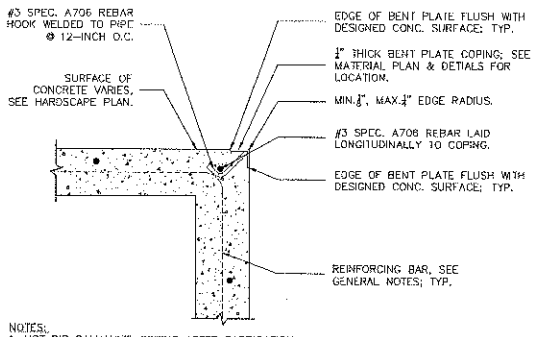


WILD ROSE PARK

SACRAMENTO, CA

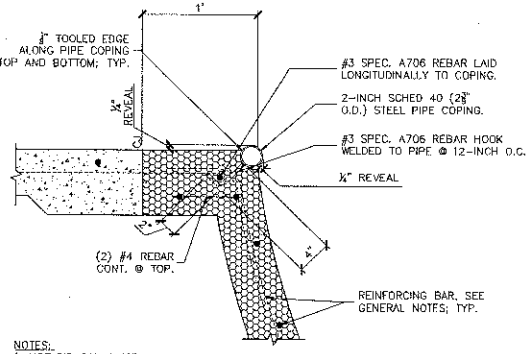
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN:L19.1870.01



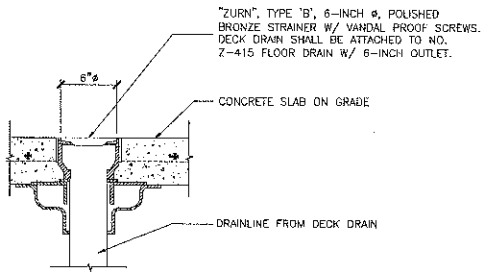
NOTES:
1. HOT DIP GALVANIZE COPING AFTER FABRICATION.
2. SEE DETAIL 7/SP-4.0 FOR PIPE & BENT PLATE COPING TERMINATIONS.

BENT PLATE COPING SCALE 2"=1'-0" (1)

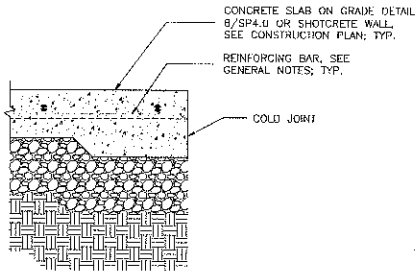


NOTES:
1. HOT DIP GALVANIZE COPING AFTER FABRICATION.
2. SEE DETAIL 7/SP-4.0 FOR PIPE & BENT PLATE COPING TERMINATIONS.

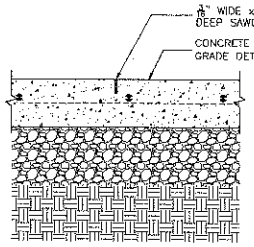
PIPE COPING SCALE 2"=1'-0" (2)



DECK DRAIN SCALE 2"=1'-0" (3)

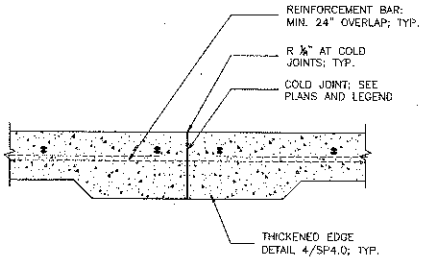


THICKENED EDGE SCALE 2"=1'-0" (4)



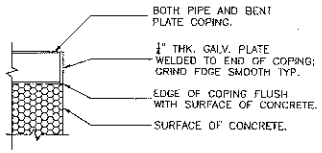
NOTE:
1. APPROXIMATELY PLACE SAWCUTS EVERY 10-FEET O.C.
2. CONTRACTOR SHALL ALIGN SAWCUTS TO EXISTING SAWCUTS WHERE APPLICABLE.

SAWCUT SCALE 2"=1'-0" (5)

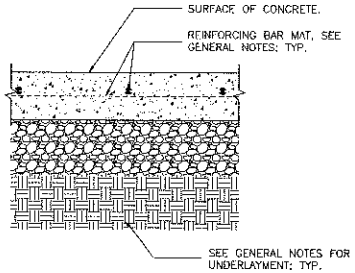


NOTE:
1. ALL REINFORCEMENT BAR SHALL HAVE MIN. 24" OVERLAP PER GENERAL NOTES.
2. SEE CONSTRUCTION PLAN AND DETAILS FOR COLD JOINT LOCATIONS

COLD JOINT SCALE 2"=1'-0" (6)



PIPE & BENT PLATE COPING TERMINATIONS SCALE 2"=1'-0" (7)



NOTE:
ALL SKATE PARK STRUCTURE CONCRETE SHALL BE MIN. 5-INCH THICK, 4,000 PSI REINFORCED WITH DEFORMED #4 REINFORCING BARS @ 12-INCHES O.C., 2-INCH MIN. CLEAR, BOTH DIRECTIONS; UNLESS NOTED OTHERWISE.

CONCRETE SLAB ON GRADE SCALE 2"=1'-0" (8)

Details

Bid Set

Wormhoudt INC

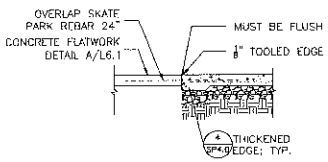
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814
WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA

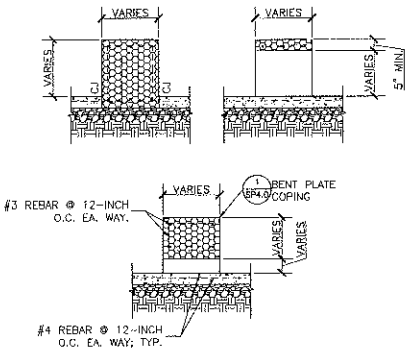
LANDSCAPE ARCHITECT AAW
DESIGN BY/DRAWN BY CKW
CAD FILE WILD ROSE
DATE OCT. 25, 2013
SCALE AS SHOWN
P. N. (L19.1870.01)
REVISIONS

LANDSCAPE ARCHITECT L.A. WORMHOUDT No. 4915 Exp. 07/31/14 STATE OF CALIFORNIA

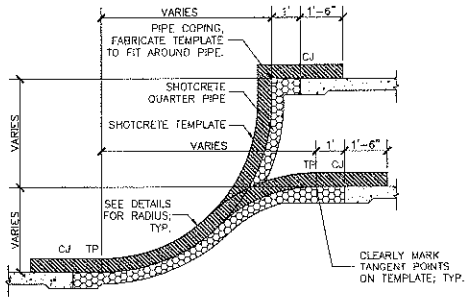
SHEET NO.
SP-4.0



SKATE PARK EDGE AT CONCRETE 1/2"=1'-0" 9

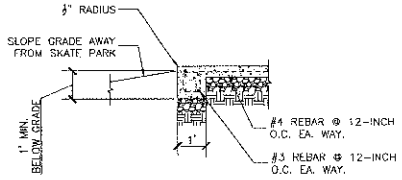


LEDGE SECTIONS 1/2"=1'-0" 10

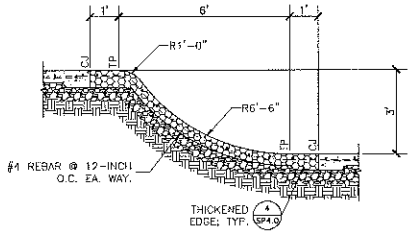


NOTES:
1. USE NON-FLEX PLYWOOD, ALUMINUM, OR METAL FOR TEMPLATES.
2. CONTRACTOR SHALL FABRICATE AND USE TEMPLATES FOR EACH SHOTCRETE DETAIL. TEMPLATES MUST BE REVIEWED AND APPROVED BY SKATE PARK DESIGNER IN ADVANCE OF THE DAY SHOTCRETE WILL BE PLACED. TEMPLATES MUST BE LOCATED IN THE RESPECTIVE AREAS OF USE BEFORE INSPECTION.

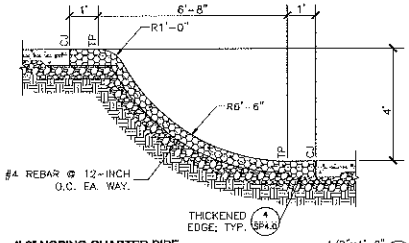
SHOTCRETE TEMPLATE 1/2"=1'-0" 11



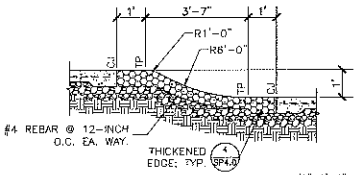
SKATE PARK EDGE AT GRADE 1/2"=1'-0" 12



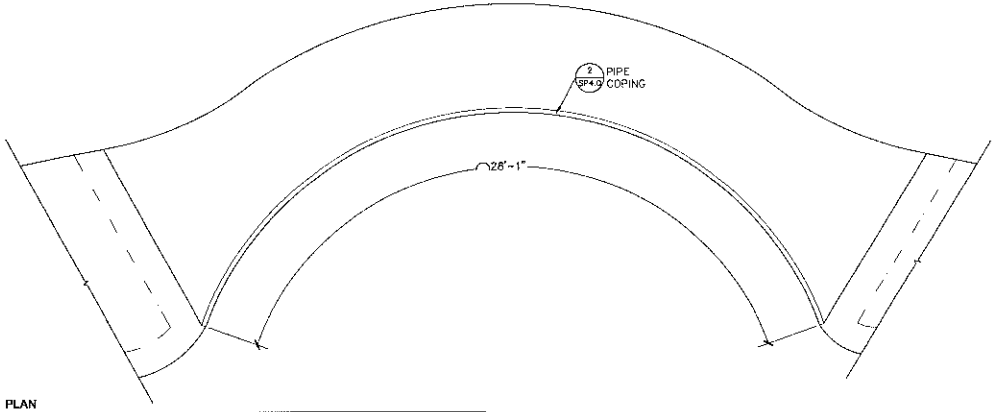
3'-0" NOPING QUARTER PIPE 1/2"=1'-0" 13



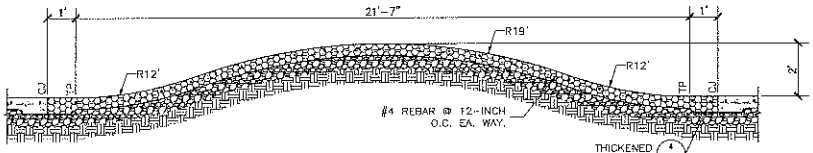
4'-0" NOPING QUARTER PIPE 1/2"=1'-0" 14



1'-0" KICKER 1/2"=1'-0" 15



PLAN



SECTION

ESCALATOR A 1/2"=1'-0" 16

Details

Bid Set

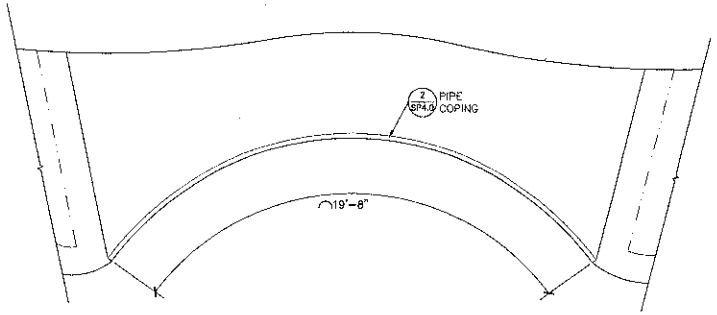
Wormhoud Inc

CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814
WILD ROSE PARK PN:L19.1870.01

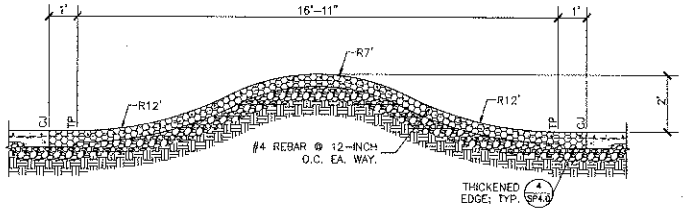
WILD ROSE PARK
SACRAMENTO, CA

LANDSCAPE ARCHITECT ZAW
DESIGN BY/DRAWN BY CKV
CAD FILE WILD ROSE
DATE OCT. 23, 2013
SCALE AS SHOWN
P. N. (L19.1870.01)
REVISIONS

SHEET NO. SP-4.1

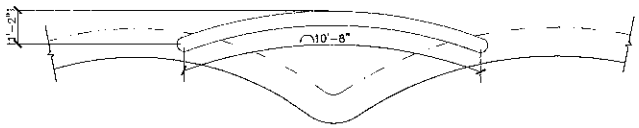


PLAN



SECTION

ESCALATOR B 1/2"=1'-0" 17



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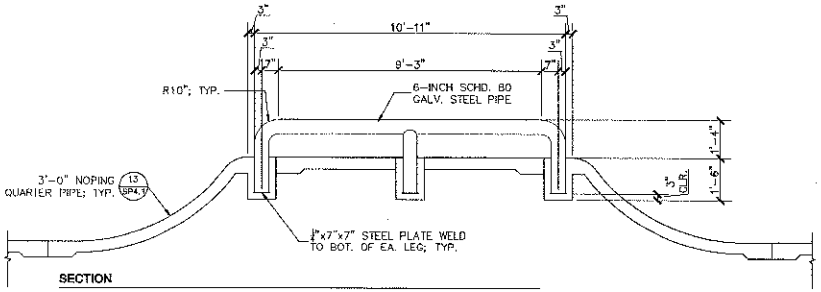
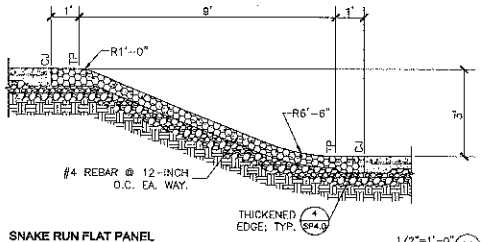


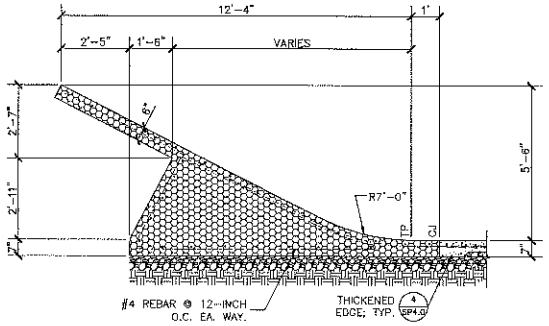
SECTION

NOTE:
1. HOT DIP GALVANIZE RAIL AFTER FABRICATION.
2. GRIND ALL CONNECTIONS SMOOTH.

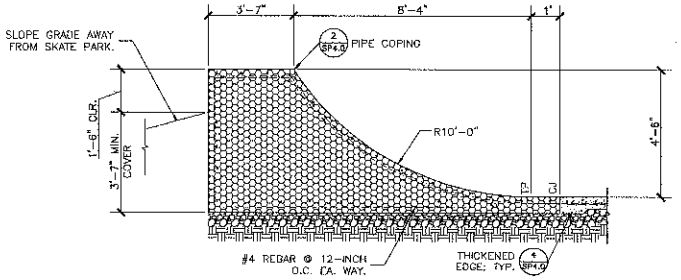
VENICE BEACH RAIL 1/2"=1'-0" 19



SNAKE RUN FLAT PANEL 1/2"=1'-0" 18



LAY BACK BANK 1/2"=1'-0" 20



4'-6" QUARTER PIPE 1/2"=1'-0" 21

Details

Bid Set

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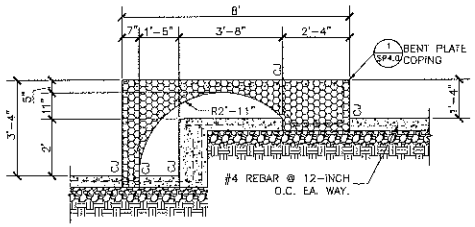
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN:L19.1870.01

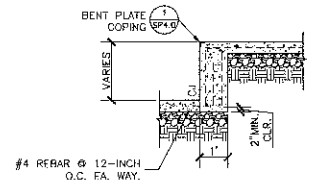
WILD ROSE PARK
SACRAMENTO, CA

LANDSCAPE ARCHITECT ZAW
DESIGN BY/DRAWN BY CKW
CAD FILE WILD ROSE
DATE OCT. 25, 2013
SCALE AS SHOWN
P. N. L19.1870.01
REVISIONS

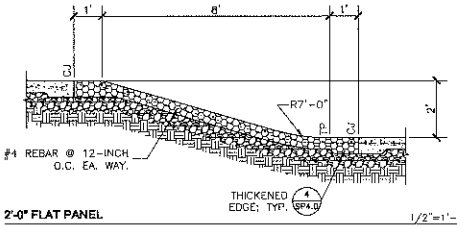
SHEET NO. SP-4.2



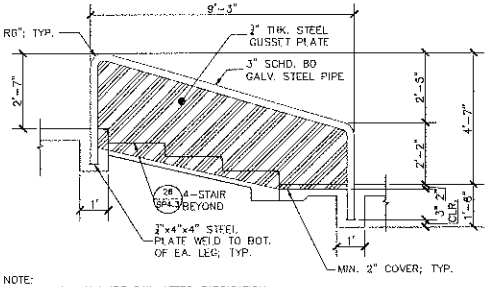
PEIR-7 LEDGE 1/2"=1'-0" (22)



TURN DOWN WALL 1/2"=1'-0" (23)

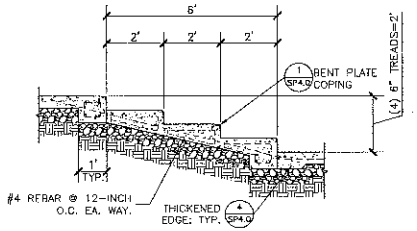


2'-0" FLAT PANEL 1/2"=1'-0" (24)

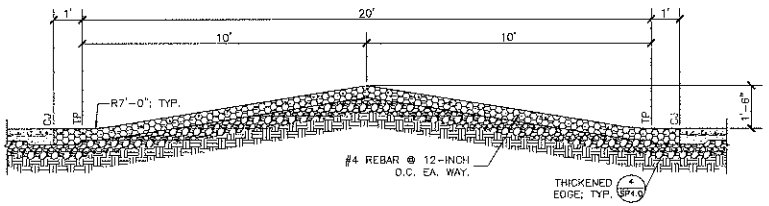


NOTE:
1. HOT DIP GALVANIZE RAIL AFTER FABRICATION.
2. GRIND ALL CONNECTIONS SMOOTH.

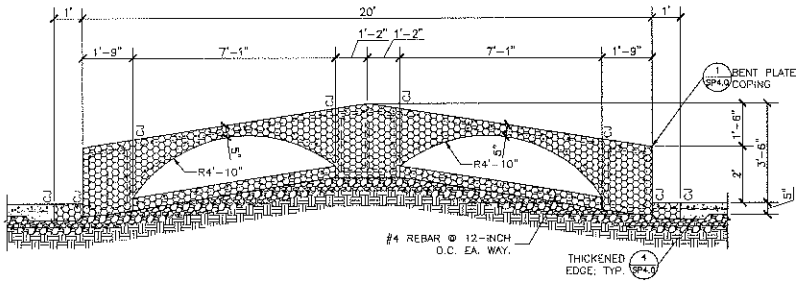
DOWN RAIL 1/2"=1'-0" (25)



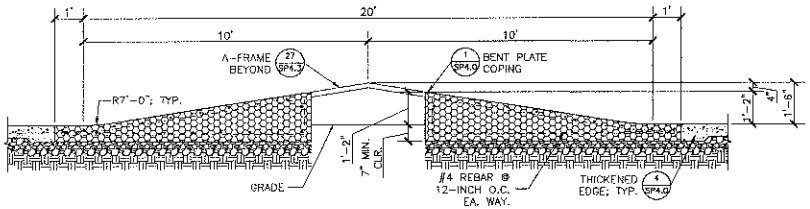
4-STAIR 1/2"=1'-0" (26)



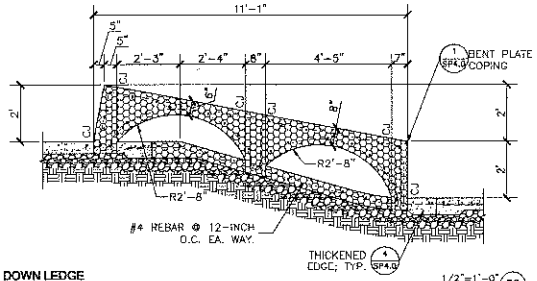
A-FRAME 1/2"=1'-0" (27)



A-FRAME LEDGE 1/2"=1'-0" (28)



KICKER GAP 1/2"=1'-0" (29)



DOWN LEDGE 1/2"=1'-0" (30)

Details

Bid Set

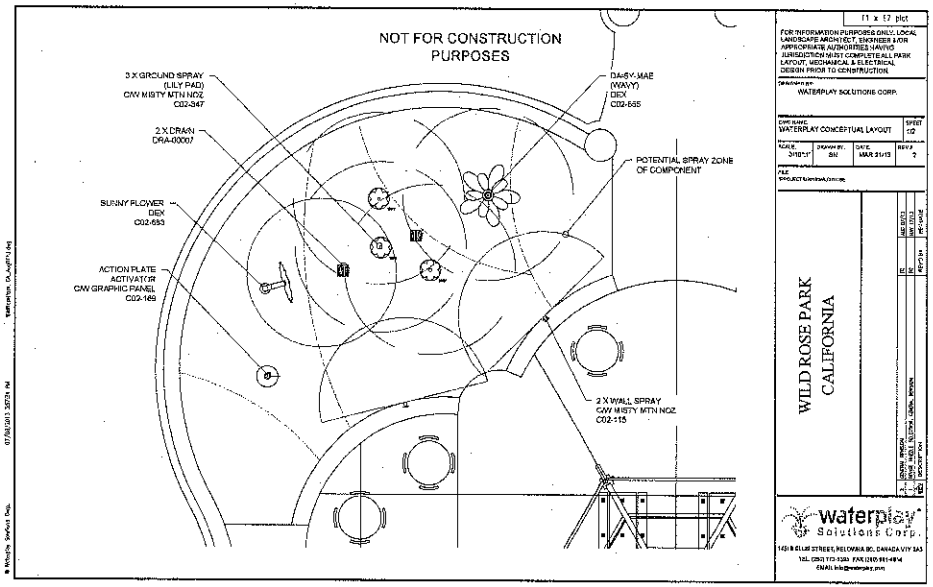
Wormhoudt INC

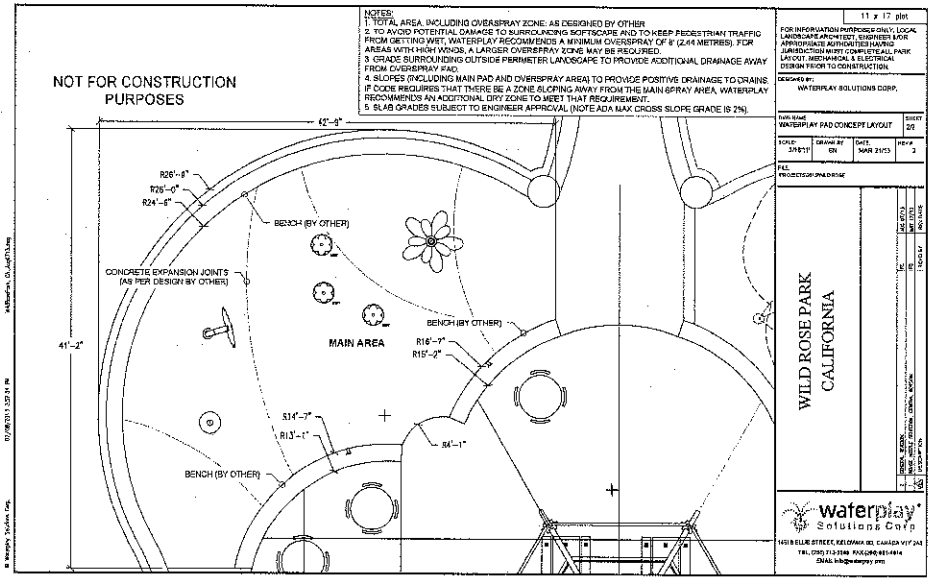
CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814
WILD ROSE PARK PN:L19.1870.01

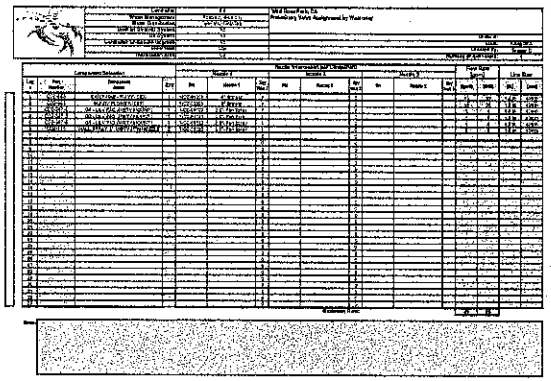
WILD ROSE PARK
SACRAMENTO, CA

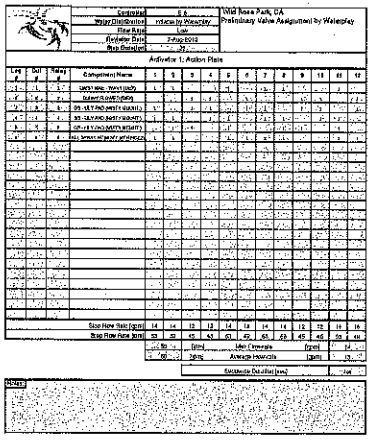
LANDSCAPE ARCHITECT
ZNV
DESIGN BY/DRAWN BY
CKV
CAD FILE
WILD ROSE
DATE OCT. 28, 2015
SCALE AS SHOWN
P. N. (L19.1870.01)
REVISIONS

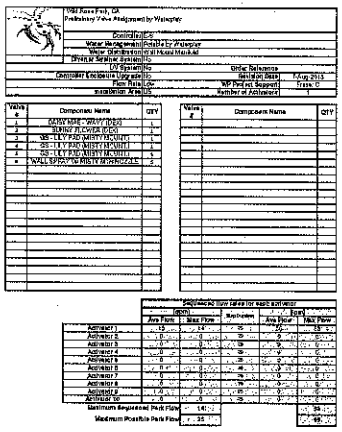
SHEET NO.
SP-4.3











Bid Set

The HLA Group
Landscape Architects & Planners, Inc.
2000 Capitol Avenue, Suite 100
Sacramento, California 95816
916.447.7400
www.hlagroup.com

CITY OF SACRAMENTO
DEPARTMENT OF PARKS & RECREATION
PARK, PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, FLOOR 3, SACRAMENTO, CA 95814

WILD ROSE PARK PN:L19.1870.01

WILD ROSE PARK
SACRAMENTO, CA
Water Play Area Layout

LANDSCAPE ARCHITECT GTH
DESIGN BY/DRAWN BY GTH / AS
CAD FILE
DATE OCT. 25, 2013
SCALE AS SHOWN
P. N. (L19.1870.01)
REVISIONS

SHEET NO.
WP-1