Meeting Date: **4/17/2014**

Report Type: Review

Report ID: 2014-00185

City of SACRAMENTO 16

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

Title: (Agreement/Contract for Review and Information) Contract: Valley Oak Park Development (L19184000)

Location: District 1

Recommendation: Review a report 1) approving the construction plans and specifications for Valley Oak Park Development (L19184001) project; 2) awarding the contract to Olympic Landscape Construction for an amount not to exceed $1,868,340; 3) authorizing the City Manager or City Manager's designee to execute the contract with Olympic Landscape Construction for an amount not to exceed $1,868,340; and 4) continue to April 22, 2014 for approval.

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-Contract Part A
6-Contract Part B

City Attorney Review

Approved as to Form
Sheryl Patterson
4/2/2014 9:25:35 AM

Approvals/Acknowledgements

Department Director or Designee: Jim Combs - 3/27/2014 3:06:19 PM

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

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Description/Analysis

Issue:
Valley Oak Park is a 9.2 acre community park located at 2780 Mabry Drive in the North Natomas Community Plan Area; Council District 1.

Staff is seeking approval to award a contract to Olympic Landscape Construction for an amount not to exceed $1,868,340. The improvements will consist of the development of 9.2 acres of parkland, and includes grading, drainage, irrigation, landscaping, concrete walkways, children's playgrounds, two bantam soccer fields, one half basketball court, two lawn volleyball courts, a group picnic area with shade shelter, drinking fountains, playground shade canopies, site furnishings and a water spray area.

The formal bid process for this project has been completed and Olympic Landscape Construction has been selected as the lowest responsible and responsive bidder.

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 plantings 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.

A summary of the project background, a location map, and 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 community 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 $1,868,340, is expected to create 7.5 total jobs (4.3 direct jobs and 3.2 additional jobs through indirect and induced activities). Furthermore, it will create $1,153,986 in total economic output ($727,366 of direct output and another $426,620 of output through indirect and induced activities).

Environmental Considerations:

California Environmental Quality Act (CEQA):

The Environmental Services Manager 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 Valley Oak 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 January 3, 2008, the Valley Oak Park Master Plan was reviewed and supported by the Parks and Recreation Commission.

Rationale for Recommendation:

The formal bidding process for the Valley Oak 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 December 11, 2013. Staff received 9 bids and the results are listed below:

Contractor	Base Bid	Additive Alternates 1-3	Total Bid	LBE %
Olympic Landscape Construction	$1,735,905.	$132,435	$1,868,340	76.1
Sierra Valley Construction	$1,813,541	$105,151	$1,918,692	19.3
JM Slover Inc.	$1,813,675	$123,705	$1,937,380	45.8
Swank Construction	$1,820,181	$118,806	$1,938,987	18.0
Hemington Landscape Services	$1,840,420	$135,012	$1,975,432	15.8
Valley Crest	$1,855,402	$141,000	$1,996,405	82.1
Goodland Construction	$1,946,805	$121,600	$2,068,405	21.1
Wabo Construction	$2,033,250	$146,200	$2,161,750	14.3
Koch and Koch, Inc.	$2,123,300	$146,200	$2,269,500	33.3

The Engineer's Estimate for the base bid of this project was $2,167,851.

Pursuant to City Code Section 3.60.020, it was determined that Olympic Landscape Construction had the lowest, responsible base bid.

Financial Considerations:

Funding for this project is from Council District 1, Quimby Act (Fund 2508). The project CIP L19184000 currently has a balance of $3,002,132. This amount is sufficient to award the contract for construction as well as cover potential construction change orders, project management, inspection

services, building permit fees, contract management, labor compliance and special inspections and material testing.

There are sufficient funds in the North Natomas Lands Community Facilities District 3 (Fund 2230) 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 76.1 % Olympic Landscape Construction and their subcontractors are above the City's required 5% LBE participation rate.

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Background:

Valley Oak Park is a 9.2 acre community park located at 2780 Mabry Drive in North Natomas, Council District 1.

The Valley Oak Park Master Plan was developed through the public review process, which included review and support by the public at meetings on September 4, and November 14, 2007.

The Parks and Recreation Committee unanimously approved the Master Plan on January 3, 2008.

On April 1, 2008, the City Council approved the Master Plan, Environmental documents, and park name 'Valley Oak Park.'

Construction of Valley Oak Park is expected to be completed year-end 2014.

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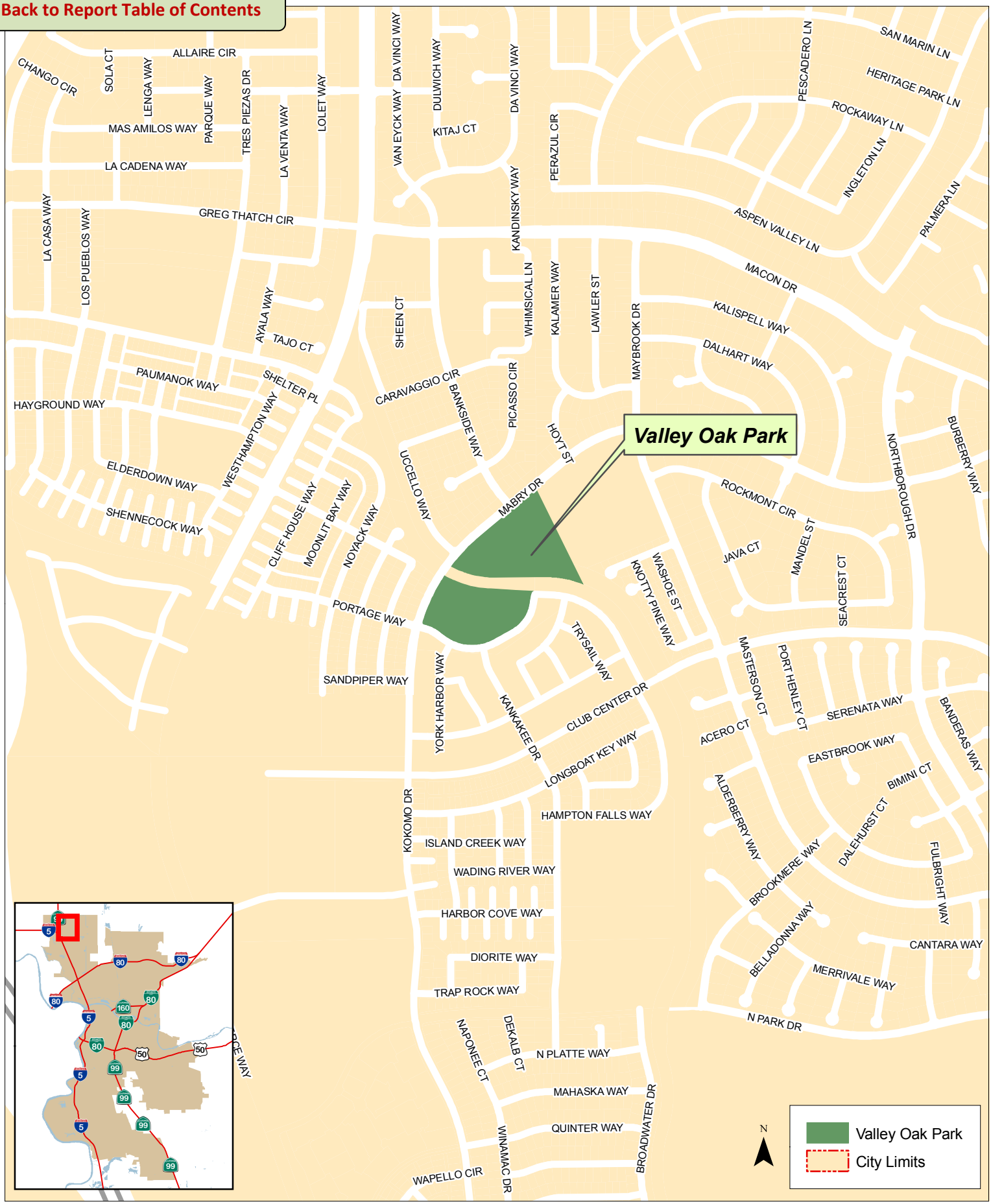

City of Sacramento
Department of Parks and Recreation
Valley Oak Park

O:\GIS_Projects\Parks\Projects\PPDD | January, 2009 | JRB

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PLAN LEGEND

- (A) BANTAM SOCCER(2)/ MULTI-PURPOSE TURF AREA
- (B) YOUTH BASKETBALL COURT
- (C) ADVENTURE AREA AND TOT LOT
- (D) WATER MISTER AREA
- (E) GROUP PICNIC AREA W/ SHELTER (TABLES, GROUP GRILL AND TRASH RECEPTACLES)
- (F) VOLLEYBALL COURT
- (G) FITNESS STATIONS (4)
- (H) CALIFORNIA NATIVE GARDEN W/ INTERPRETIVE SIGNAGE
- (I) EXISTING BIKEWAY
- (J) RESTROOM (2 SINGLE STALLS)
- (K) LIGHTED TENNIS COURTS (2)
- (L) ADULT BASKETBALL COURTS (2)
- (M) SMALL DOG PARK- 1 AC. (TABLES, BENCHES, DRINKING FOUNTAIN, DOUBLE ENTRY VESTIBUL:E)
- (N) LARGE DOG PARK- 3 AC. (TABLES,BENCHES, DRINKING FOUNTAIN, DOUBLE ENTRY VESTIBULE)
- (O) SEATING AREA

MASTER PLANFOR:

VALLEY OAK PARK (10.6 AC)

CITY OF SACRAMENTO, CALIFORNIA

0 50' 100' 150'
SCALE: 1"=50'-0"

NORTH

LANDSCAPE ARCHITECT: D.DAY
DRAWN BY: D.DAY
DATE: NOVEMBER 2007

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City of SACRAMENTO
Parks and Recreation

B14190021011

CONTRACT SPECIFICATIONS
FOR
VALLEY OAK PARK DEVELPMENT (L19184001)

Plans Attached

For Pre-Bid Information Call:
DENNIS DAY, Project Manager
(916) 808-7633

Bids to be received before
2:00 PM, Wednesday,
FEBRUARY 5, 2014
New City Hall
Clerk's Public Counter
915 I Street, **4th Floor**
Sacramento, CA 95814

Estimated Construction Cost: $2,167,851.00- $2,231,651.00

Construction Time: NINETY (90) WORKING DAYS and NINETY (90) Calendar Days for Plant Establishment.

h:\documents\contract mgmt\valley oak park_2014\contract docs_planet bids\04- cover letter.docx

Authorized Plan Rooms

1. Greater Sacramento Small Business Development Center
   1410 Ethan Way, Sacramento, California 95815

2. Sacramento Builders Exchange
   1331 T Street, Sacramento, CA 95814

3. Sacramento Builders Exchange, Roseville Office
   151 North Sunrise Avenue, Suite 511, Roseville, CA 95661

4. El Dorado Builders Exchange, 3430 Robin Lane, Suite 7
   Cameron Park, CA 95682

5. Placer County Builders Exchange
   231 Cherry Avenue, Suite 101, Roseville, CA 95678

6. McGraw Hill
   620 Sunbeam Avenue, Sacramento, CA 95814

7. Nevada County Contractors' Association
   149 Crown Point Court, Suite A, Grass Valley, CA 95949

8. Placer County Contractors Association
   10656 Industrial Ave, Suite 160
   Roseville, Ca 95678

Chambers of Commerce

1. Sacramento Hispanic Chamber of Commerce
   1491 River Park Drive, Ste 101, Sacramento, CA 95815

2. Sacramento Asian Chamber of Commerce
   2012 H Street, Sacramento, CA 95814

3. Sacramento Black Chamber of Commerce
   2655 Del Monte Street, West Sacramento, CA 95691

4. Russian Chamber of Commerce
   2929 Fulton Avenue, Ste 6, Sacramento, CA 95821

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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 1/8/2014 @ 10:55:23 AM

Sealed Proposals will be received by the City Clerk of the City of Sacramento at the office of the **City Clerk's Public Counter, New City Hall, 4th Floor**, located at 915 I Street between 9th and 10th Streets, up to the hour of **2:00 PM** on **FEBRUARY 5, 2014** and will be opened as soon thereafter as business allows, in the Council Chambers, City Hall for:

VALLEY OAK PARK DEVELOPMENT (L19184001)

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:

VALLEY OAK PARK DEVELOPMENT (L19184001)

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.

CALIFORNIA LABOR CODE RELATING TO APPRENTICES ON PUBLIC WORKS PROJECTS

See following links: www.dir.ca.gov and/or www.leginfo.ca.gov

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

OLYMPIC LAND CONSTRUCTION
Name of Contractor

2442 NORTH AVENUE, SACRAMENTO, CA 95838
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:

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).

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

3-3-14
Date

PANTELIS KALLERGIS
Print Name

OWNER
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

ADDENDUM 1 ISSUED 1-10-14

Sealed Proposals will be received by the City Clerk of the City of Sacramento at the office of the **City Clerk's Public Counter, New City Hall, 4th Floor**, located at 915 I Street between 9th and 10th Streets, up to the hour of **2:00 PM** on **FEBRUARY 5, 2014** and will be opened as soon thereafter as business allows, in the Council Chambers, City Hall for:

VALLEY OAK PARK DEVELOPMENT (L19184001)

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:

VALLEY OAK PARK DEVELOPMENT (L19184001)

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.

CERTIFICATION STATEMENTS ARE TO INCLUDE:
1. A PHYSICAL ADDRESS FOR THE BUSINESS OFFICE OR WORKSPACE;
2. A CURRENT COPY OF THE CITY OF SACRAMENTO BUSINESS OPERATIONS TAX CERTIFICATE (BOT) OR COUNTY OF SACRAMENTO BUSINESS LICENSE as stated in the Local Business Enterprise (LBE) Participation Requirements.

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.

ADDENDUM 1 ISSUED 1-10-14

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.

B14190021011

BID PROPOSAL FORMS

PLEASE REMOVE AND

COMPLETE

THE FOLLOWING DOCUMENTS

AND

SUBMIT AS

THE BID PROPOSAL

PACKAGE

Cityof
SACRAMENTO
Parks and Recreation

VALLEY OAK PARK DEVELOPMENT
(L19184001)
(Addendum #3)

814190021011

January 31, 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 fonn 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, 1st Floor, Sacramento, CA 95814-2671, prior to the hour and date specified for receipt of bids, may result in rejection ofyour offer. If by virtue ofthis 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 openjng 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: Dennis Day at (916) 808-7633.

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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Bid Number: B14190021011

ADDENDUM #3 DATES: January 31, 2014

VALLEY OAK PARK DEVELOPMENT
(PN: L19184001)

Addendum #3 includes:

Specification - Correction:

1. On Bid Item No. 19– AGGREGATE BASE TO PLACE, replace the entire bid item with the following revised bid item:

   Item No. 19 - Aggregate Base to Place

   This item shall consist of furnishing and installing Aggregate Base (AB) and Geosynthetic Fabric under Concrete Pavement, Concrete Pavement, Basketball Court Pavement, Mister Area Pavement and Play Area Special Finish as shown on the plans in conformance with Section 10, and 17 of the Standard Specifications 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.

   C. Geosynthetic Fabric shall confirm to Cal Trans Standard Specification for use under 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 to Place as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

2. On Bid Item No. 63– Landscape Weed Fabric to Place, replace the entire description paragraph with the following:

   This item shall consist of furnishing and installing landscape week block fabric under all bark mulch, including in all planted areas, in all bark only areas in conformance with the Standard Specifications and as amended by these Special Provisions.

   Landscape weed block fabric is not required within the 4' diameter circle of bark mulch placed under all trees planted in turf areas, refer to revised Tree Planting detail attached.

Plan - Correction:

3. On sheet L31, PLANTING PLAN: Replace detail 1/L31 Tree Planting shown on the plan, with the revised detail 1/L31 Tree Planting, which is attached.

4. On sheet L38, CONSTRUCTION DETAILS: Replace detail 3/L38 Concrete Pavement/Mist Area shown on the plan, with the revised detail 3/L38 Concrete Pavement/Mist Area, which is attached.

THE ORIGINAL BID DUE DATE OF FEBRUARY 5, 2014, HAS BEEN CHANGED TO FEBRUARY 12, 2014.

SEALED PROPOSALS WILL BE RECEIVED BY THE OFFICE OF THE CITY CLERK'S PUBLIC COUNTER, 4th FLOOR, NEW CITY HALL, 915 I STREET SACRAMENTO, CA UP TO THE HOUR OF 2:00 p.m.

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

Cc: File

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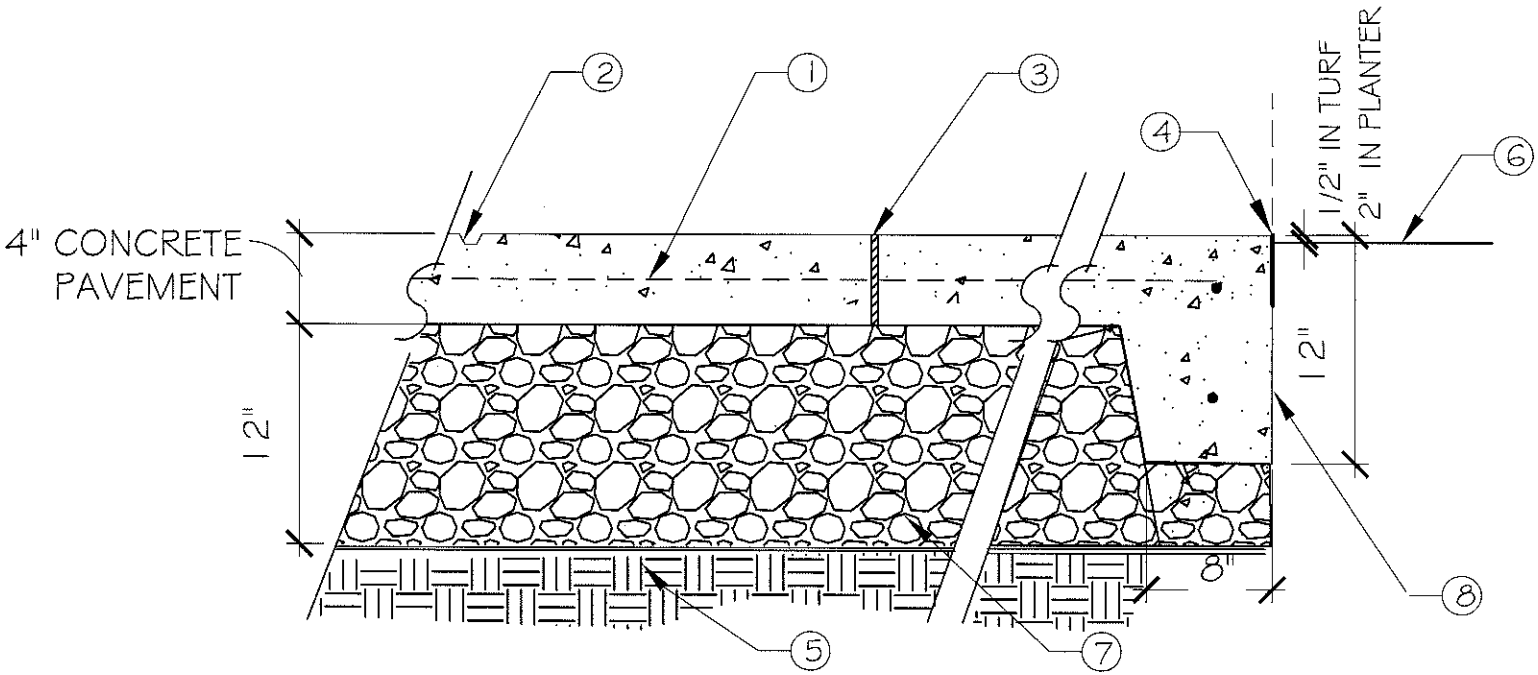
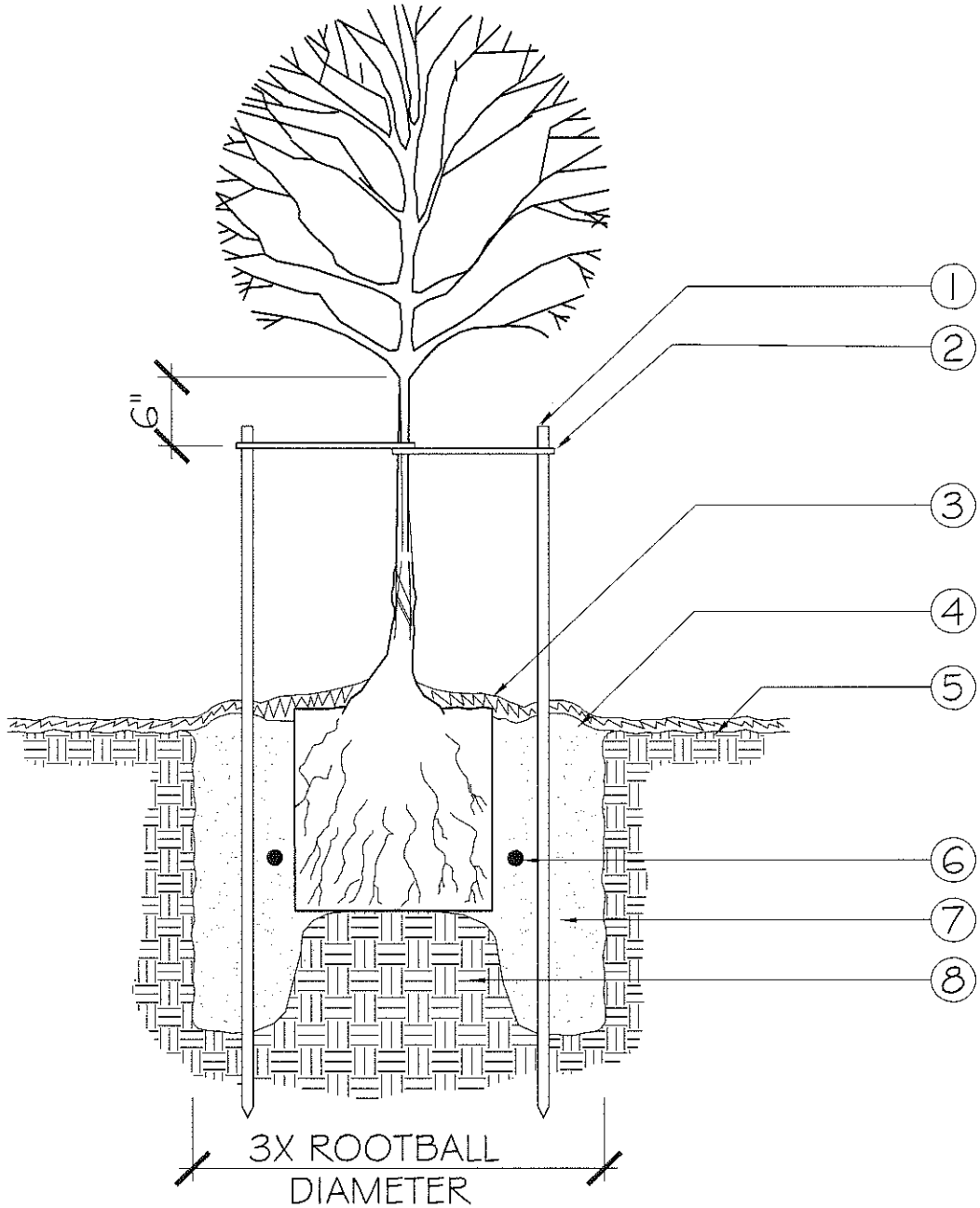


KEY

1. CONCRETE PAVEMENT WITH #3 REBAR 18" O.C. EACH WAY, LOCATED AT MID DEPTH OF CONCRETE. MEDIUM BROOM FINISH PERPENDICULAR TO WALKWAY EDGE.
2. SCORE JOINT
3. EXPANSION JOINT
4. TOOLED EDGE, TYP.
5. SUBGRADE COMPACTED PER GEOTECHNICAL REPORT.
6. FINISH GRADE
7. AGGREGATE BASE, COMPACTED TO 90% PER GEOTECHNICAL REPORT.
8. THICKEN EXTERIOR EDGES ON ALL CONCRETE 8' AND WIDER.
9. GEOSYNTHETIC FABRIC, PERMEABLE AND NONWOVEN

3 / L38 CONCRETE PAVEMENT/ MISTER AREA

NOT TO SCALE



NOTES:

1. TREE STAKES: 2"Ø X 8'-0" LODGEPOLE PINE, 2 PER 15 GAL. EAST/ WEST ORIENTATION, CUT STAKES 2" ABOVE HIGHEST RUBBER TRE TIE.
2. RUBBER TREE TIES: 2 PER STAKE. WRAP NO WIRE AROUND TRUNK OR L IMB.
3. MULCH: 3" LAYER IN PLANTING AREA AND 4'-0" TURF FREE CIRCLE IN TURF WITH 3" OF MULCH.
4. 3" HIGH EARTH WATERING BERM IN PLANTER AREA ONLY.
5. FINISH GRADE. KEEP ROOT CROWN 2" ABOVE FINISH GRADE.
6. PLANT TABS, SEE SPECIFICATIONS.
7. PREPARED BACKFILL. SEE SPECIFICATIONS.
8. EXISTING UNDISTURBED SOIL.

1 / L31 TREE PLANTING

NOT TO SCALE

City of
SACRAMENTO
Parks and Recreation

VALLEY OAK PARK DEVELOPMENT
(L19184001)
(Addendum #2)

B14190021011

January 29, 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, 1st 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: Dennis Day at (916) 808-7633.

Very truly yours,

Tim Hopper
Contracts & Compliance Specialist
Department of General Services

Enclosure

Clerk's Office

c: Distribution List
Planholders

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Bid Number: B14190021011

ADDENDUM #2 DATES: January 29, 2014

VALLEY OAK PARK DEVELOPMENT
(PN: L19184001)

Addendum #2 includes:

Plan - Correction:

1. On sheet L35, PLANTING PLAN: Add the following additional tree to the Planting List, which is shown on Planting Plan sheet L32.

Symbol	Botanical Name/ Common Name	Size	Remarks
PYR CAL	PYRUS CALLERYANA 'ARISTOCRAT' ARISTOCRAT PEAR TREE	24" BOX	STANDARD

Specification - Correction:

2. On Bid Item No. 51 -- Basketball Goals to Install, replace the entire description paragraph with the following:

   This item shall consist of furnishing and installing a Basketball Post, Backboard, Goal and Nets as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

3. On Bid Item No. 56 - Automatic Irrigation System to Install, replace the entire paragraph I with the following:

   I. 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 80 PVC.

THE ORIGINAL BID DUE DATE OF FEBRUARY 5, 2014, REMAINS THE SAME.

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

Cc: File

City of
SACRAMENTO
Parks and Recreation

VALLEY OAK PARK DEVELOPMENT
(L19184001)
(Addendum #1)

B14190021011

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.

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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: Dennis Day at (916) 808-7633.

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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CONTRACTOR NAME: Olympic Land Construction

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:

BID PROPOSAL
VALLEY OAK PARK DEVELOPMENT
(L19184001)

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.	Site Clearing and Grubbing	1	LS	$ 4,980	$ 4980.00
2.	Site Staking	1	LS	$ 11,055	$ 11,055.00
3.	Temporary Construction Fence to Install	1	LS	$ 8,985	$ 8,985.00
4.	Demolition	1	LS	$ 1,700	$ 1,700.00
5.	Erosion and Sediment Control	1	LS	$ 21,900	$ 21,900.00
6.	Site Grading	1	LS	$ 74,500	$ 74,500.00
7.	Standard Manhole No. 3A to Construct	1	EA	$ 12,300	$ 12,300.00
8.	Standard Sewer Manhole	3	EA	$ 3,815	$ 11,445.00
9.	4" Sanitary Sewer to Construct	1	LS	$ 13,415	$ 13,415.00
10.	6" Sanitary Sewer to Construct	1	LS	$ 11,088	$ 11,088.00
11.	Catch Basin to Construct	1	LS	$ 7,260	$ 7,260.00
12.	Play Area Catch Drain to Construct	1	LS	$ 3,520	$ 3520.00

13.	8" PVC Drain Pipe to Place	1	LS	$ 7,810	$ 7,810.00
14.	10" PVC Drain Pipe to Place	1	LS	$12,415	$ 12,415.00
15.	12" PVC Drain Pipe to Place	1	LS	$ 5,115	$ 5,115.00
16.	Flared End Section Drain Outlet to Install	1	LS	$ 5,720	$ 5,720.00
17.	Electrical System to Install	1	LS	$ 43,745	$ 43,745.00
18.	Domestic Water Supply Line to Install	1	LS	$ 9,200	$ 9,200.00
19.	Aggregate Base to Place	1	LS	$ 85000.00	$ 85,000.00
20.	Concrete Pavement to Construct	1	LS	$121,550	$ 121,550.00
21.	Concrete Pavement, Special Finish to Construct	1	LS	$ 26,730	$ 26,730.00
22.	Basketball Court Pavement to Place	1	LS	$ 23,832	$ 23,832.00
23.	Mister Area Pavement to Construct	1	LS	$14,960	$ 14,960.00
24.	Bank Shot Court Surfacing to Construct	1	LS	$ 6,200	$ 6,200.00
25.	Raised Concrete Curb to Construct	1	LS	$ 2,200	2,200.00
26.	Seatwall to Construct	1	LS	$ 32,830	32,830.00
27.	Play Area Curb to Construct	1	LS	$ 10,500	$ 10,500.00
28.	Basketball Court Curb to Construct	1	LS	$ 7,370	$ 7,370.00
29.	Concrete Mowband to Construct	1	LS	$ 40,700	$ 40,700.00
30.	Play Area Ramps to Construct	1	LS	$ 2,090	$ 2,090.00
31.	Basketball Court Striping to Install	1	LS	$ 3,900	$ 3,900.00
32.	Split Rail Fence to Install	1	LS	$ 6,850	$ 6,850.00
33.	Drinking Fountain to Install	1	LS	$12,900	$ 12,900.00

34.	Picnic Table to Install	1	LS	$ 23,650	$ 23,650.00
35.	ADA Picnic Table to Install	1	LS	$ 14,135	$ 14,135.00
36.	Serving Table to Install	1	LS	$ 1,320	$ 1,320.00
37.	Group Grill to Install	1	LS	$ 2,660	$ 2,660.00
38.	6' Bench to Install	1	LS	$ 5,690	$ 5,690.00
39.	8' Bench to Install	1	LS	$ 19,400	$ 19,400.00
40.	8' Backless Bench to Install	1	LS	$ 3,075	$ 3,075.00
41.	Bike Racks to Install	1	LS	$ 1,570	$ 1,570.00
42.	Trash Receptacle to Install	1	LS	$ 3,150	$ 3,150.00
43.	Concrete Park Sign to Install	1	LS	$ 3,135	$ 3,135.00
44.	Picnic Structure to Install	1	LS	$ 93,015	$ 93,015.00
45.	Play Area Wood Fiber to Install	1	LS	$ 19,125	$ 19,125.00
46.	Play Equipment to Install	1	LS	$ 226,515	$ 226,515.00
47.	Swings to Install	1	LS	$ 11,500	$ 11,500.00
48.	Precast Independent Play Items to Install	1	LS	$ 18,005	$ 18,005.00
49.	Rubber Mat Under Swings to Install	1	LS	$ 4,385	$ 4,385.00
50.	Mister Area to Construct	1	LS	$ 54,815	$ 54,815.00
51.	Basketball Goals to Install	1	LS	$ 5,520	$ 5,520.00
52.	Bank Shot Goals to Install	1	LS	$ 25,200	$ 25,200.00
53.	Volleyball Nets & Posts to Install	1	LS	$ 2,760	$ 2,760.00
54.	Bantam Soccer Goals to Install	1	LS	$ 5,000	$ 5,000.00
55.	Signage to Install	1	LS	$ 1,900	$ 1,900.00

56.	Automatic Irrigation System to Install	1	LS	$ 225,000	$ 225,000.00
57.	Booster Pump to Install	1	LS	$ 24,000	$ 24,000.00
58.	Central Irrigation Controller to Install	1	LS	$ 33,500	$ 33,500.00
59.	15 Gallon Trees to Install	1	LS	$ 13,400	$ 13,400.00
60.	24" Box Trees to Install	1	LS	$ 32,120	$ 32,120.00
61.	48" Box Trees to Install	1	LS	$ 1,150	$ 1,150.00
62.	Shrub & Groundcover Areas to Install	1	LS	$ 43,518	$ 43,518.00
63.	Landscape Weed Fabric to Place	1	LS	$ 15,225	$ 15,225.00
64.	Bark Mulch to Install	1	LS	$ 41,800	$ 41,800.00
65.	Headerboard to Install	1	LS	$ 2,250	$ 2,250.00
66.	Root Barrier to Install	1	LS	$ 940.00	940.00
67.	Landscape Boulders to Provide	1	LS	$ 6,950	$ 6,950.00
68.	Turf from Hydroseed to Install	1	LS	$ 77,800	$ 77,800.00
69.	Erosion Control Hydroseed to Install	1	LS	$ 850	$ 850.00
70.	Landscape Maintenance (90 Days)	1	LS	$ 8,112	$ 8,112.00
				BASE BID SUBTOTAL	$ 1,735,905.00

ADDITIVE ALTERNATE BID ITEMS:

A1	Tot Area Shade Canopy to Install	1	LS	$ 34,950	$ 34,950.00
A2	Adventure Area Shade Canopy to Install	1	LS	$ 43,500	$ 43,500.00
A3	Ball Wall and Half Tennis Court to Construct	1	LS	$ 53,985	$ 53,985.00
				ADDITIVE ALTERNATE SUBTOTAL	$ 132,435

TOTAL (BASE BID PLUS ADDITIVE ALTERNATES) $ 1,868,340.00

(F) – denotes final pay quantity

CONTRACTOR NAME: Olympic Land Construction **TOTAL $** 1,868,340.00

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 **NINETY (90) WORKING DAYS AND NINETY (90) 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 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	1-10-2014
Add. #	2	DATE	1-29-2014
Add. #	3	DATE	1-31-2014

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:

($ 187,000) not less than ten percent (10%) of amount Bid Proposal

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)

Pantelis Kallergis
(Print or Type)

Title Owner
Address 2442 North Ave
Sacramento CA 95838
Telephone No. 916-972-7148
Fax No. 916-927-5769
EMAIL ADDRESS estimating@olympicland.com
Date 2-5-2014

PLEASE PRINT CLEARLY AS BID RESULTS WILL BE SENT VIA EMAIL

Contractor's License No. 424828 Type A, C-27

Expiration Date 7-31-2014

Tax I.D. Nos.- Fed. 94-2913782 State 307-2470-2

City of Sacramento Business Operation Tax Certificate No. 93316

(City will not award contract if Certificate Number is missing.)

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) 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:

93316

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*:

2442 North Ave
Sacramento CA 95838

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

MUST BE POSTED IN CONSPICUOUS PLACE

CITY OF SACRAMENTO

BUSINESS OPERATIONS TAX CERTIFICATE

93316

93316

		FROM Mo. Day Yr.	TO Mo. Day Yr.
Business Name	OLYMPIC LANDSCAPING		
Business Address	2442 NORTH AV		
Owner	KALLERGIS, PANTELIS		
Type of Business	LANDSCAPING/IRRIGATION CONST	07/01/2013	06/30/2014
Tax Classification	401		Expires

CITY OF SACRAMENTO

JUN 12 2013

PAID

VOID IF NOT VALIDATED

TOTAL PAID: $298.67

OLYMPIC LANDSCAPING
2442 NORTH AV
SACRAMENTO, CA 95838

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).

THIS STUB MAY BE FOLDED/DETACHED BEFORE POSTING

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.

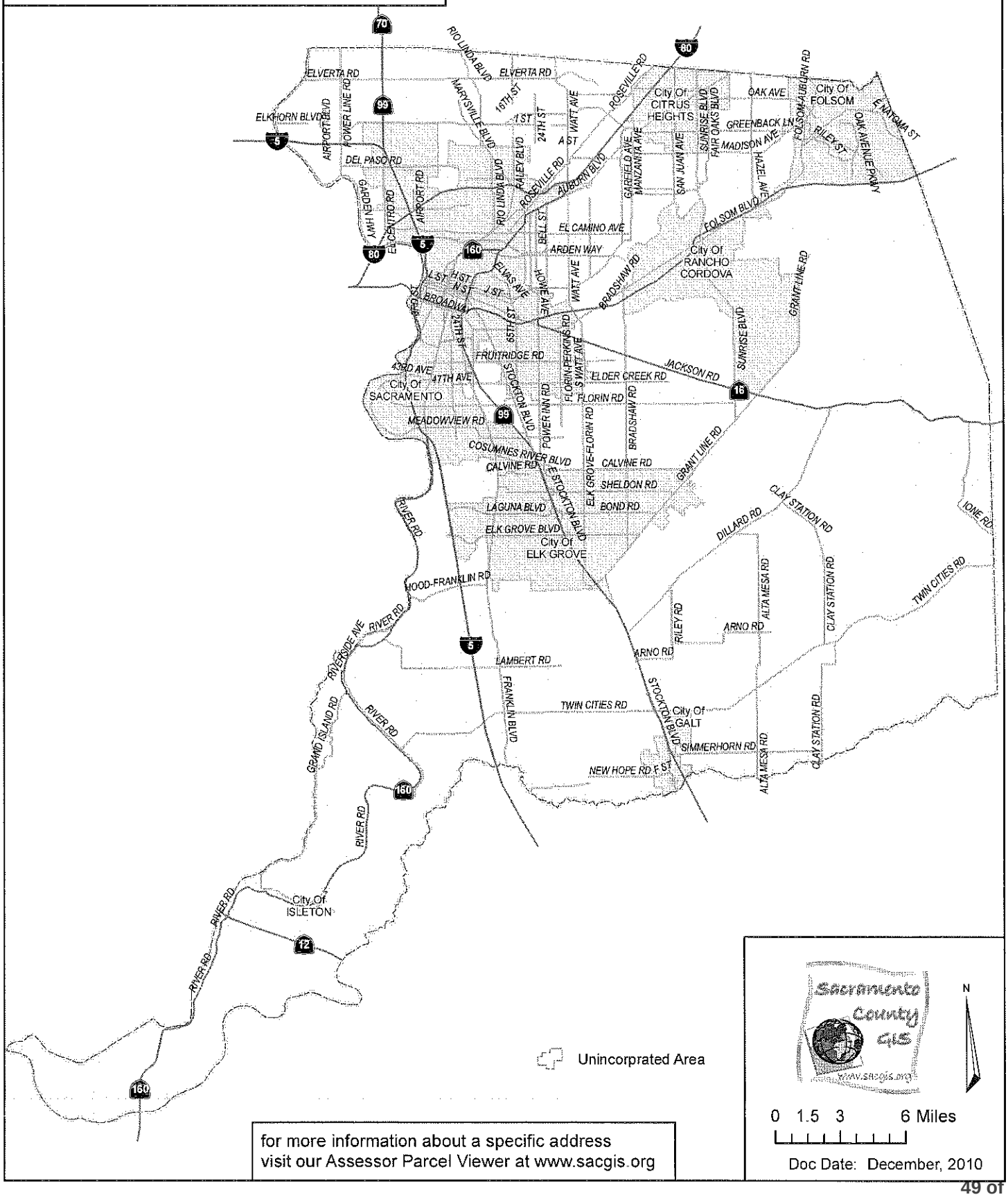
D. Supplier: The sole proprietorship, partnership, limited liability company, corporation, or other business entity to provide materials, equipment, or supplies necessary for performance of the work.

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

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

SACRAMENTO COUNTY

UNICORPORATED AREAS



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

KNOW ALL MEN BY THESE PRESENTS,

That we, Olympic-Land Construction

as Principal, and Great American Insurance Company

a corporation duly organized under the laws of the State of Ohio 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 Hearing Room, Sacramento, CA 95814** up to the hour of 2:00 p.m. on **FEBRUARY 5, 2014** for the Work specifically described as follows:

VALLEY OAK PARK DEVELOPMENT (L19184001)

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 17th day of January 2014.

Olympic-Land Construction
(Contractor) (Seal)
By
Title OWNER

ORIGINAL APPROVED AS TO FORM:

City Attorney

Great American Insurance Company
(Surety)(Seal)
By
Title John J. Daley, Attorney-in-Fact
Agent Name and Address Poms & Associates Insurance Brokers, Inc. 1255 Treat Blvd., 10th Fl. Walnut Creek, CA 94597
Agent Phone # 925/338-8400
Surety Phone # 925/988-2247
California License # 0814733

h:\documents\contract mgmt\valley oak park_2014\contract docs_planet bids\14-bid proposal guaranteerev 5-2010.docx

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California [ ]

County of Contra Costa

On January 17, 2014 (Date) before me, L. Byas-Barnett, Notary Public (Here Insert Name and Title of the Officer)

personally appeared John J. Daley (Name(s) or 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.

L. BYAS BARNETT
Commission # 2001280
Notary Public - California
Contra Costa County
My Comm. Expires Jan 13, 2017

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 _____ (Signature of Notary Public)

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: Bid Bond

Document Date: January 17, 2014 Number of Pages: One (01)

Signer(s) Other Than Named Above: N/A

Capacity(ies) Claimed by Signer(s)

Signer's Name: John J. Daley
__Individual
__Corporate Officer —Title(s):
__Partner __Limited __General
X Attorney in Fact
__Trustee
__Guardian or Conservator
Other:
Signer Is Representing: Great American 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

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GREAT AMERICAN INSURANCE COMPANY®

Administrative Office: 301 E 4TH STREET • CINCINNATI, OHIO 45202 • 513-369-5000 • FAX 513-723-2740

The number of persons authorized by
this power of attorney is not more than THREE

No. 0 14863

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the GREAT AMERICAN INSURANCE COMPANY, a corporation organized and existing under and by virtue of the laws of the State of Ohio, does hereby nominate, constitute and appoint the person or persons named below, each individually if more than one is named, its true and lawful attorney-in-fact, for it and in its name, place and stead to execute on behalf of the said Company, as surety, any and all bonds, undertakings and contracts of suretyship, or other written obligations in the nature thereof; provided that the liability of the said Company on any such bond, undertaking or contract of suretyship executed under this authority shall not exceed the limit stated below.

Name	Address	Limit of Power
JOHN J. DALEY	ALL	ALL
KENNETH J. GOODWIN	WALNUT CREEK,	$100,000,000.00
L. BYAS-BARNETT	CALIFORNIA	

This Power of Attorney revokes all previous powers issued on behalf of the attorney(s)-in-fact named above.

IN WITNESS WHEREOF the GREAT AMERICAN INSURANCE COMPANY has caused these presents to be signed and attested by its appropriate officers and its corporate seal hereunto affixed this 18TH day of OCTOBER, 2013.

Attest GREAT AMERICAN INSURANCE COMPANY

Assistant Secretary

Divisional Senior Vice President

DAVID C. KITCHIN (877-377-2405)

STATE OF OHIO, COUNTY OF HAMILTON - ss:

On this 18TH day of OCTOBER, 2013, before me personally appeared DAVID C. KITCHIN, to me known, being duly sworn, deposes and says that he resides in Cincinnati, Ohio, that he is a Divisional Senior Vice President of the Bond Division of Great American Insurance Company, the Company described in and which executed the above instrument; that he knows the seal of the said Company; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by authority of his office under the By-Laws of said Company, and that he signed his name thereto by like authority.

KAREN L. GROSHEIM
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 02-20-16

This Power of Attorney is granted by authority of the following resolutions adopted by the Board of Directors of Great American Insurance Company by unanimous written consent dated June 9, 2008.

RESOLVED: That the Divisional President, the several Divisional Senior Vice Presidents, Divisional Vice Presidents and Divisonal Assistant Vice Presidents, or any one of them, be and hereby is authorized, from time to time, to appoint one or more Attorneys-in-Fact to execute on behalf of the Company, as surety, any and all bonds, undertakings and contracts of suretyship, or other written obligations in the nature thereof; to prescribe their respective duties and the respective limits of their authority; and to revoke any such appointment at any time.

RESOLVED FURTHER: That the Company seal and the signature of any of the aforesaid officers and any Secretary or Assistant Secretary of the Company may be affixed by facsimile to any power of attorney or certificate of either given for the execution of any bond, undertaking, contract of suretyship, or other written obligation in the nature thereof, such signature and seal when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

CERTIFICATION

I, STEPHEN C. BERAHA, Assistant Secretary of Great American Insurance Company, do hereby certify that the foregoing Power of Attorney and the Resolutions of the Board of Directors of June 9, 2008 have not been revoked and are now in full force and effect.

Signed and sealed this 17th day of January, 2014

Assistant Secretary

S1029AC (4/11)

MINIMUM QUALIFICATIONS QUESTIONNAIRE

Sacramento City Code Section 3.60.020 authorizes the Sacramento City Council to adopt standard minimum qualifications for bidders on competitively bid public works construction projects, and requires, among other provisions, that a bidder meet such minimum qualifications at the time of bid opening in order to bid. On July 31, 2007, the City Council adopted Resolution No. 2007-574 establishing these standard minimum qualifications. Pursuant to City Code section 3.60.020, a bidder failing to meet these minimum qualifications at the time of bid opening shall not be considered a responsible bidder for purposes of bidding on the subject project.

All bidders must demonstrate compliance with the minimum qualifications established by Resolution No. 2007-574 by completing all of the questions contained in this questionnaire. Bidder responses shall be limited to those operating business units, offices, branches and/or subsidiary divisions of the bidder that will be involved with the performance of any project work if awarded the contract. If a bidder answers "yes" to any single question, fails to submit a fully completed questionnaire, or submits false information, this will result in a determination that the minimum qualifications are not met, and the bidder shall not be considered a qualified bidder for purposes of bidding on this contract. If two or more entities submit a bid on a contract as a Joint Venture, each entity within the Joint Venture must separately meet these minimum qualifications for the Joint Venture to be considered a qualified bidder.

The City of Sacramento ("City") shall make its determination on the basis of the submitted questionnaire, as well as any relevant information that is obtained from others or as a result of investigation by the City. While it is the intent of this questionnaire to assist the City in determining whether bidders possess the minimum qualifications necessary to submit bids on the City's competitively bid public works construction contracts, the fact that a bidder submits a questionnaire demonstrating that it meets these minimum qualifications shall not in any way limit or affect the City's ability to: (1) review other information contained in the bid submitted by the bidder, and additional relevant information, and determine whether the contractor is a responsive and/or responsible bidder; or (2) establish pre-qualification requirements for a specific contract or contracts.

By submitting this questionnaire, the bidder consents to the disclosure of its questionnaire answers: (i) to third parties for purposes of verification and investigation; (ii) in connection with any protest, challenge or appeal of any action taken by the City; and (iii) as required by any law or regulation, including without limitation the California Public Records Act (Calif. Gov't Code sections 6250 et seq.). Each questionnaire must be signed under penalty of perjury in the manner designated at the end of the form, by an individual who has the legal authority to bind the bidder submitting the questionnaire. If any information provided by a bidder becomes inaccurate, the bidder shall immediately notify the City and provide updated accurate information in writing, under penalty of perjury.

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

QUESTIONNAIRE

NOTICE: **For firms that maintain other operating business units, offices, branches and/or subsidiary divisions that will not be involved with the performance of any project work if the firm is awarded the contract, references hereafter to "your firm" shall mean only those operating business units, offices, branches and/or subsidiary divisions that will be involved with the performance of any project work.**

All of the following questions regarding "your firm" refer to the firm (corporation, partnership or sole proprietor) submitting this questionnaire, as well as any firm(s) with which any of your firm's owners, officers, or partners are or have been associated as an owner, officer, partner or similar position within the last five years

The firm submitting this questionnaire shall not be considered a responsible bidder if the answer to any of these questions is "yes", or if the firm submits a questionnaire that is not fully completed or contains false information.

1. **Classification & Expiration Date(s) of California** Contractor's License Number(s) held by firm:

   A, C-27 7-31-2014 # 424828

2. Has a contractor's license held by your firm and/or any owner, officer or partner of your firm been revoked at anytime in the last five years?

   ☐ Yes ☑ No

3. Within the last five years, has a surety firm completed a contract on your firm's behalf, or paid for completion of a contract to which your firm was a party, because your firm was considered to be in default or was terminated for cause by the project owner?

   ☐ Yes ☑ No

4. At the time of submitting this minimum qualifications questionnaire, is your firm ineligible to bid on or be awarded a public works contract, or perform as a subcontractor on a public works contract, pursuant to either California Labor Code section 1777.1 (prevailing wage violations) or Labor Code section 1777.7 (apprenticeship violations)?

   ☐ Yes ☑ No

5. At any time during the last five years, has your firm, or any of its owners, officers or partners been convicted of a crime involving the awarding of a contract for a government construction project, or the bidding or performance of a government contract?

   ☐ Yes ☑ No

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

6. Answer either subsection A or B, as applicable:

A. Your firm has completed three or more government construction contracts in Sacramento County within the last five years: Within those five years, has your firm been assessed liquidated damages on three or more government construction contracts in Sacramento County for failure to complete contract work on time?

NOTE: If there is a pending administrative or court action challenging the assessment of liquidated damages on a government contract within the last five years, you need not include that contract in responding to this question.

☐ Yes ☑ No ☐ Not applicable

OR

B. Your firm has not completed at least three government construction contracts in Sacramento County within the last five years: Within the last three years, has your firm been assessed liquidated damages on three or more government construction contracts for failure to complete contract work on time?

NOTE: If there is a pending administrative or court action challenging an assessment of liquidated damages on a government contract within the last three years, you need not include that contract in responding to this question.

☐ Yes ☑ No ☐ Not applicable

7. In the last three years has your firm been debarred from bidding on, or completing, any government agency or public works construction contract for any reason?

NOTE: If there is a pending administrative or court action challenging a debarment, you need not include that debarment in responding to this question.

☐ Yes ☑ No

8. Has CAL OSHA assessed a total of three or more penalties against your firm for any "serious" or "willful" violation occurring on construction projects performed in Sacramento County at any time within the last three years?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

☐ Yes ☑ No

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

9. Answer either subsection A or B, as preferred:

A. In the last three years has your firm had a three year average Workers' Compensation experience modification rate exceeding 1.1?

☐ Yes ☑ No

OR

B. In the last three years has your firm had a three-year average incident rate for total lost workday cases exceeding 10?

NOTE: Incident rates represent the number of lost workday cases per 100 full-time workers and is to be calculated as: (N/EH) x 200,000, where

N	=	**number of lost workday cases (as defined by the U.S. Dept. of Labor, Bureau of Labor Statistics)**
EH	=	**total hours worked by all employees during the calendar year**
200,000	=	**base for 100 equivalent full-time working (working 40 hours per week, 50 weeks per year)**

☐ Yes ☑ No

10. In the past three years, has the federal EPA, Region IX or a California Air Quality Management District or Regional Water Quality Control Board assessed penalties three or more times, either against your firm, or against the project owner for a violation resulting in whole or in part from any action or omission by your firm on a project on which your firm was a contractor in Sacramento County?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

☐ Yes ☑ No

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

11. In the past three years, has the federal EPA, Region IX or a California Air Quality Management District or Regional Water Quality Control Board assessed a single penalty of $100,000 or more, either against your firm, or against the project owner for a violation resulting in whole or in part from any action or omission by your firm on a project on which your firm was the contractor in Sacramento County?

NOTE: **If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.**

☐ Yes ☑ No

12. In the past three years, have civil penalties been assessed against your firm pursuant to California Labor Code 1777.7 for violation of California public works apprenticeship requirements, three or more times?

NOTE: **If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.**

☐ Yes ☑ No

13. In the past three years, has a public agency in California withheld contract payments or assessed penalties against your firm for violation of public works prevailing wage requirements, three or more times?

NOTE: **If there is a pending administrative or court action appealing a withholding or penalty assessment, you need not include that withholding or penalty assessment in responding to this question.**

☐ Yes ☑ No

14. Has your firm been assessed penalties for violation of public works prevailing wage requirements in California, in an aggregate amount for the past three years of $50,000 or more?

NOTE: **If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.**

☐ Yes ☑ No

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

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 Sacramento CA, on 2-5-2014.
(Location) (Date)

Signature: _____

Print name: Pantelis Kallergis

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*

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

In Partnership with the City of Sacramento and the Sacramento Metropolitan AQMD

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.
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c) Electronic version is 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

#	Equipment Serial Number	Equipment Information				Engine Information				Annual Usage (hours)
		Make	Model	Type	Year	Make	Model	Year	HP	
(ex)	*48W34456*	*Caterpillar*	*631G*	*Scraper*	*2003*	*Caterpillar*	*3408E*	*2003*	*485*	*1,600*

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: Olympic Land Construction

BY: _____ OWNER **Date:** 12-12-14
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.

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: Olympic Land Construction Base Bid Amount: $1,735,905 1,256,755 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
Midstate Eng	601330		Drainage / sewer	$82,000
Marks Seeding	537905		Hydroseed	$18,900
Recreation Science	985338	LBE	Playground Install	$65,000
Studebaker Brown	957296		Electrical	$40,000
R.E. Maher	514236		Concrete	$229,000

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

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: Olympic Land Constructi Base Bid Amount: 1,735,905 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
David Smith Masonry	441580		Masonry	$17,000
Sierra Asphalt	457414	LBE: Rancho Cordova CSLB	Asphalt	$27,250

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

B14190021011

FOLLOWING FORMS TO BE FILLED OUT

AND SIGNED

ONLY

IF AWARDED CONTRACT

AGREEMENT
(Construction Contract Over $25,000)

THIS AGREEMENT, dated for identification MARCH 25 , 2014, is made and entered into between the CITY OF SACRAMENTO, a municipal corporation ("City"), and Olympic Land Construction, 2442 North Avenue, Sacramento, CA 95838 ("Contractor"), in the amount of One Million Eight Hundred Sixty Eight Thousand, Three Hundred Forty Dollars and no cents ($1,868,340.00).

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 Local Business Enterprise (LBE) 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:

VALLEY OAK PARK DEVELOPMENT (L19184001)

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

ADDITIVE ALTERNATES 1-3

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 NINETY (90) 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.

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
_____	_____
_____	_____

CONTRACTOR'S ACKNOWLEDGMENT:_____

☐ 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:_____

(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 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.

(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 3-3-14

BY _____

PANTELIS KALLERGIS
Print Name

OWNER
Title

BY _____

Print Name

Title

94-2913782
Federal ID#

307-2470-2
State ID#

93316
City of Sacramento Business Operation Tax Certificate No. (City will not award contract until Certificate Number is obtained)

Type of Business Entity *(check one)*:

✓ 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

CITY OF SACRAMENTO
PERFORMANCE BOND

Bond No.: CA-2541896
Premium: $19,105.00
Page 1 of 1 Based on Total Contract Amount.

WHEREAS, the City of Sacramento, State of California, hereinafter called City, has conditionally awarded to (*here insert full name and address of Contractor*):

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

VALLEY OAK PARK DEVELOPMENT (L19184001)

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*):
Great American Insurance Company, 301 East Fourth Street, Cincinnati, OH 45202,
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:
One Million Eight Hundred Sixty Eight Thousand Three Hundred Forty **DOLLARS**
($ 1868,340.00), 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 March 25, 2014.

Olympic-Land Construction
(Contractor) (Seal)
By
Title OWNER

Great American Insurance Conpany
(Surety) (Seal)
By
Title John J. Daley, Attorney-in-Fact

ORIGINAL APPROVED AS TO FORM:

City Attorney

Agent name & Address Poms & Associates Insurance Brokers, Inc. 1255 Treat Blvd., 10th Fl., Walnut Creek, CA 94597
Agent Phone # 925/338-8400
Surety Phone # 925/988-2247
California License # 0814733

Form approved by CAO 5-9-12

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California [ ]

County of Contra Costa

On February 27, 2014 (Date) before me, L. Byas-Barnett, Notary Public (Here Insert Name end Title of the Officer)

personally appeared John J. Daley (Name(s) or 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.

L. BYAS BARNETT
Commission # 2001280
Notary Public - California
Contra Costa County
My Comm. Expires Jan 13, 2017

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 L Byas-Barnett (signature of Notary Public)

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 Bond Number CA-2541896

Document Date: March 25, 2014 Number of Pages: One (01)

Signer(s) Other Than Named Above! N/A

Capacity(ies) Claimed by Signer(s)

Signer's Name: John J. Daley
__Individual
__Corporate Officer --Title(s):
Partner __Limited __General
X Attorney in Fact
Trustee
__Guardian or Conservator
Other:
Signer Is Representing: Great American 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

©2007 National Notary Association • 9350 be Soto Ave.., P.0.20x 2402 ˙Chatsworth, CA. 81313-2402 • www,NationalNotary,org Item# 5907 Reorder: Call Toll-Free 1-800-676-6627

GREAT AMERICAN INSURANCE COMPANY®

Administrative Office: 301 E 4TH STREET • CINCINNATI, OHIO 45202 • 513-369-5000 • FAX 513-723-2740

The number of persons authorized by
this power of attorney is not more than TWO

No. 0 14842

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the GREAT AMERICAN INSURANCE COMPANY, a corporation organized and existing under and by virtue of the laws of the State of Ohio, does hereby nominate, constitute and appoint the person or persons named below, each individually if more than one is named, its true and lawful attorney-in-fact, for it and in its name, place and stead to execute on behalf of the said Company, as surety, any and all bonds, undertakings and contracts of suretyship, or other written obligations in the nature thereof; provided that the liability of the said Company on any such bond, undertaking or contract of suretyship executed under this authority shall not exceed the limit stated below.

Name	Address	Limit of Power
JOHN J. DALEY	BOTH OF	BOTH
KENNETH J. GOODWIN	WALNUT CREEK,	$75,000,000.00
	CALIFORNIA	

This Power of Attorney revokes all previous powers issued on behalf of the attorney(s)-in-fact named above.

IN WITNESS WHEREOF the GREAT AMERICAN INSURANCE COMPANY has caused these presents to be signed and attested by its appropriate officers and its corporate seal hereunto affixed this 3RD day of MAY , 2013 .

Attest GREAT AMERICAN INSURANCE COMPANY

Assistant Secretary

Divisional Senior Vice President

DAVID C. KITCHIN (877-377-2405)

STATE OF OHIO, COUNTY OF HAMILTON - ss:

On this 3RD day of MAY , 2013 , before me personally appeared DAVID C. KITCHIN, to me known, being duly sworn, deposes and says that he resides in Cincinnati, Ohio, that he is a Divisional Senior Vice President of the Bond Division of Great American Insurance Company, the Company described in and which executed the above instrument; that he knows the seal of the said Company; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by authority of his office under the By-Laws of said Company, and that he signed his name thereto by like authority.

KAREN L. GROSHEIM
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 02-20-16

This Power of Attorney is granted by authority of the following resolutions adopted by the Board of Directors of Great American Insurance Company by unanimous written consent dated June 9, 2008.

RESOLVED: That the Divisional President, the several Divisional Senior Vice Presidents, Divisional Vice Presidents and Divisonal Assistant Vice Presidents, or any one of them, be and hereby is authorized, from time to time, to appoint one or more Attorneys-in-Fact to execute on behalf of the Company, as surety, any and all bonds, undertakings and contracts of suretyship, or other written obligations in the nature thereof; to prescribe their respective duties and the respective limits of their authority; and to revoke any such appointment at any time.

RESOLVED FURTHER: That the Company seal and the signature of any of the aforesaid officers and any Secretary or Assistant Secretary of the Company may be affixed by facsimile to any power of attorney or certificate of either given for the execution of any bond, undertaking, contract of suretyship, or other written obligation in the nature thereof, such signature and seal when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

CERTIFICATION

I, STEPHEN C. BERAHA, Assistant Secretary of Great American Insurance Company, do hereby certify that the foregoing Power of Attorney and the Resolutions of the Board of Directors of June 9, 2008 have not been revoked and are now in full force and effect.

Signed and sealed this 25th day of March , 2014 .

Assistant Secretary

S1029AC (4/11)

CITYOF SACRAMENTO
PAYMENT BOND

Bond No.: CA-2541896
Premium: Included in Performance Bond.

WHEREAS, the City of Sacramento, in the State of California, hereinafter called City, has conditionally awarded to:

hereinafter called Contractor, a contract for construction of:

VALLEY OAK PARK DEVELOPMENT (L19184001)

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*): Great American Insurance Company, 301 East Fourth Street, Cincinnati, OH 45202, 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 One Million Eight Hundred Sixty Eight Thousand Three Hundred Forty**DOLLARS ($1,868,340.00------),** 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 March 25, 20 14.

Olympic-Land Construction
(Contractor) (Seal)
By
Title OWNER

Great American Insurance Company
(Surety) (Seal)
By
Title John J. Daley, Attorney-in-Fact

ORIGINAL APPROVED AS TO FORM:

City Attorney

Agent name & Address Poms & Associates Insurance Brokers, Inc., 1255 Treat Blvd., 10th Fl, Walnut Creek, CA 94597
Agent Phone # 925/338-8400
Surety Phone # 925/988-2247
California License # 0814733

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California [ ]

County of Contra Costa

On February 27, 2014 (Date) before me, L. Byas-Barnett, Notary Public (Here Insert Name end Title of the Officer)

personally appeared John J. Daley (Name(s) or 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.

L. BYAS BARNETT
Commission # 2001280
Notary Public - California
Contra Costa County
My Comm. Expires Jan 13, 2017

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 _____ (signature of Notary Public)

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 Bond Number CA-2541896

Document Date: March 25, 2014 Number of Pages: One (01)

Signer(s) Other Than Named Above! N/A

Capacity(ies) Claimed by Signer(s)

Signer's Name: John J. Daley
__Individual
__Corporate Officer --Title(s): _____
Partner __Limited __General
X Attorney in Fact
Trustee
__Guardian or Conservator
Other: _____
Signer Is Representing: Great American 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

©2007 National Notary Association • 9350 be Soto Ave.., P.0.20x 2402 ˙Chatsworth, CA. 81313-2402 • www,NationalNotary,org Item# 5907 Reorder: Call Toll-Free 1-800-676-6627

GREAT AMERICAN INSURANCE COMPANY®

Administrative Office: 301 E 4TH STREET • CINCINNATI, OHIO 45202 • 513-369-5000 • FAX 513-723-2740

The number of persons authorized by
this power of attorney is not more than TWO

No. 0 14842

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the GREAT AMERICAN INSURANCE COMPANY, a corporation organized and existing under and by virtue of the laws of the State of Ohio, does hereby nominate, constitute and appoint the person or persons named below, each individually if more than one is named, its true and lawful attorney-in-fact, for it and in its name, place and stead to execute on behalf of the said Company, as surety, any and all bonds, undertakings and contracts of suretyship, or other written obligations in the nature thereof; provided that the liability of the said Company on any such bond, undertaking or contract of suretyship executed under this authority shall not exceed the limit stated below.

Name	Address	Limit of Power
JOHN J. DALEY	BOTH OF	BOTH
KENNETH J. GOODWIN	WALNUT CREEK, CALIFORNIA	$75,000,000.00

This Power of Attorney revokes all previous powers issued on behalf of the attorney(s)-in-fact named above.

IN WITNESS WHEREOF the GREAT AMERICAN INSURANCE COMPANY has caused these presents to be signed and attested by its appropriate officers and its corporate seal hereunto affixed this 3RD day of MAY , 2013 .

Attest

GREAT AMERICAN INSURANCE COMPANY

Assistant Secretary

Divisional Senior Vice President

DAVID C. KITCHIN (877-377-2405)

STATE OF OHIO, COUNTY OF HAMILTON - ss:

On this 3RD day of MAY , 2013 , before me personally appeared DAVID C. KITCHIN, to me known, being duly sworn, deposes and says that he resides in Cincinnati, Ohio, that he is a Divisional Senior Vice President of the Bond Division of Great American Insurance Company, the Company described in and which executed the above instrument; that he knows the seal of the said Company; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by authority of his office under the By-Laws of said Company, and that he signed his name thereto by like authority.

KAREN L. GROSHEIM
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 02-20-16

This Power of Attorney is granted by authority of the following resolutions adopted by the Board of Directors of Great American Insurance Company by unanimous written consent dated June 9, 2008.

RESOLVED: That the Divisional President, the several Divisional Senior Vice Presidents, Divisional Vice Presidents and Divisonal Assistant Vice Presidents, or any one of them, be and hereby is authorized, from time to time, to appoint one or more Attorneys-in-Fact to execute on behalf of the Company, as surety, any and all bonds, undertakings and contracts of suretyship, or other written obligations in the nature thereof; to prescribe their respective duties and the respective limits of their authority; and to revoke any such appointment at any time.

RESOLVED FURTHER: That the Company seal and the signature of any of the aforesaid officers and any Secretary or Assistant Secretary of the Company may be affixed by facsimile to any power of attorney or certificate of either given for the execution of any bond, undertaking, contract of suretyship, or other written obligation in the nature thereof, such signature and seal when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

CERTIFICATION

I, STEPHEN C. BERAHA, Assistant Secretary of Great American Insurance Company, do hereby certify that the foregoing Power of Attorney and the Resolutions of the Board of Directors of June 9, 2008 have not been revoked and are now in full force and effect.

Signed and sealed this 25th day of March , 2014 .

Assistant Secretary

S1029AC (4/11)

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 02/26/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
C. W. WRIGHT INSURANCE SERVICES, INC.
2400 22nd STREET, SUITE 200
SACRAMENTO CA 95818-

CONTACT NAME: GERALD WRIGHT
PHONE (A/C, No. Ext): (916) 457-0444 FAX (A/C, No): (916) 457-4538
E-MAIL ADDRESS: geraldbwright@hotmail.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: WESCO INSURANCE COMPANY	25011
INSURER B: TOPA INSURANCE COMPANY	
INSURER C:	
INSURER D:	
INSURER E:	
INSURER F:	

INSURED OLYMPIC LAND CONSTRUCTION
2442 NORTH AVE.
SACRAMENTO CA 95838-

COVERAGES **CERTIFICATE NUMBER:** 002 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY	Y	Y	WPA103255200	05/01/2013	05/01/2014	EACH OCCURRENCE	$ 1,000,000
	X COMMERCIAL GENERAL LIABILITY				/ /	/ /	DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
	CLAIMS-MADE X OCCUR				/ /	/ /	MED EXP (Any one person)	$ 5,000
					/ /	/ /	PERSONAL & ADV INJURY	$ 1,000,000
					/ /	/ /	GENERAL AGGREGATE	$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:				/ /	/ /	PRODUCTS - COMP/OP AGG	$ 2,000,000
	X POLICY PRO-JECT LOC				/ /	/ /		$
A	AUTOMOBILE LIABILITY	Y	Y	WPA103255200	05/01/2013	05/01/2014	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO				/ /	/ /	BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS				/ /	/ /	BODILY INJURY (Per accident)	$
	HIRED AUTOS / NON-OWNED AUTOS				/ /	/ /	PROPERTY DAMAGE (Per accident)	$
					/ /	/ /		$
	UMBRELLA LIAB / OCCUR				/ /	/ /	EACH OCCURRENCE	$
	EXCESS LIAB / CLAIMS-MADE				/ /	/ /	AGGREGATE	$
	DED / RETENTION $				/ /	/ /		$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				/ /	/ /	WC STATU-TORY LIMITS / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N	N / A			/ /	/ /	E.L. EACH ACCIDENT	$
	(Mandatory in NH)				/ /	/ /	E.L. DISEASE - EA EMPLOYEE	$
	If yes, describe under DESCRIPTION OF OPERATIONS below				/ /	/ /	E.L. DISEASE - POLICY LIMIT	$
B	EXCESS LIABILITY	Y	Y	XL6605456	/ / 08/06/2013	/ / 05/01/2014		2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
PROJECT: VALLEY OAK PARK DEVELOPMENT (L19184001)
CERTIFICATE HOLDER IS ADDITIONAL INSURED PER CG 20 10 (07-04) AND CG 20 37 (07-04) ATTACHED.

CERTIFICATE HOLDER

(916) 808-8173 (916) 808-5747
DEBRA PATTERSON

CITY OF SACRAMENTO
RISK MANAGEMENT
915 I STREET, 4TH FLOOR
SACRAMENTO CA 95814-

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Gerald Wright

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POLICY NUMBER: WPA1032552 00

COMMERCIAL GENERAL LIABILITY
CG 20 10 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location(s) Of Covered Operations
Blanket as required by written contract and effective during the policy period as stated in the policy declarations.	Blanket as required by written contract. Primary Insurance applies: it is agreed that such insurance as is afforded by this policy for the benefit of the Additional Insured shown shall be primary insurance, and any other insurance maintained by the Additional Insured(s) shall be excess and non-contributory as respects any claim, loss or liability allegedly arising out of the operations of the named insured, provided however that this insurance will not apply to any claim loss or liability which is determined to be solely the result of the Additional Insured's negligence or solely the Additional Insured's responsibility.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. **Section II – Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

© ISO Properties, Inc., 2004

POLICY NUMBER: WPA1032552 00

COMMERCIAL GENERAL LIABILITY
CG 20 37 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location And Description Of Completed Operations
Blanket as required by written contract and effective during the policy period as stated in the policy declarations.	Blanket as required by written contract. Primary Insurance applies. It is agreed that such insurance as is afforded by this policy for the benefit of the Additional Insured shown shall be primary insurance, and any other insurance maintained by the Additional Insured(s) shall be excess and noncontributory as respects any claim, loss or liability allegedly arising out of the operations of the named insured, provided however that this insurance will not apply to any claim loss or liability which is determined to be solely the result of the Additional Insured's negligence or solely the Additional Insured's responsibility. This insurance also does not apply to any structure with an intended occupancy of a private residence, not including apartments.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

© ISO Properties, Inc., 2004

OLYMLAN-01 DWARNOCK

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 2/26/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Leaders Choice Insurance Services Inc.
2520 Venture Oaks Way, Suite 310
Sacramento, CA 95833

CONTACT NAME:
PHONE (A/C, No, Ext): (866) 211-2123 FAX (A/C, No): (866) 913-7036
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Republic Underwriters Insurance Company	24538
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Olympic Landscaping
2442 North Ave
Sacramento, CA 95838

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY						EACH OCCURRENCE	$
	COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
	CLAIMS-MADE OCCUR						MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
							GENERAL AGGREGATE	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$
	POLICY PRO-JECT LOC							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS / NON-OWNED AUTOS						PROPERTY DAMAGE (PER ACCIDENT)	$
								$
	UMBRELLA LIAB / OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB / CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: Y If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	X	ATW00296000	08/01/2013	05/01/2014	X WC STATU-TORY LIMITS / OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
RE: VALLEY OAK PARK DEVELOPMENT (L19184001)
A waiver of subrogation applies in favor of The City of Sacramento for the workers' compensation policy per the attached form WC 04 03 06 (ed. 4-84)

CERTIFICATE HOLDER

City of Sacramento
Attn: Tim Hopper
Department of General Services, Contracts
5730 24th Street, Bldg. 1
Sacramento, CA 95822

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT-CALIFORNIA

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

You must maintain payroll records accurately segregating the remuneration of your employees while engaged in the work described in the Schedule.

The additional premium for this endorsement shall be 2.5% of the California workers' compensation premium otherwise due on such remuneration.

Schedule

Person or Organization	Job Description
Blanket Waiver of Subrogation	As respects to all CA jobs performed by the named insured during the policy period where by written contract a waiver of subrogation is required prior to the commencement of work.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated
(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective 08-01-2013
Insured
Olympic Land - Construction

Policy No. ATW 002960-00
Insurance Company
Republic Underwriters Insurance Company

Endorsement No. 1

Countersigned By

©1998 by the Workers' Compensation Insurance Rating Bureau of California. All rights reserved.

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: 3-3-14 Contractor OLYMPIC LAND CONSTRUCTION

By _____ OWNER.
Signature

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: _____ Contractor _____

By _____
Signature

PAY REQUEST APPLICATION

PROJECT NAME AND NUMBER: VALLEY OAK PARK DEVELOPMENT (L19184001)

CONTRACTOR: _____

PURCHASE ORDER NO. (Required): _____ **COST CENTER:** (L19184001)

INVOICE NO.: _____ **PERIOD ENDING DATE:** _____

SUBMITTAL OF A PROGRESS SCHEDULE IS REQUIRED TO BE SUBMITTED WITH THIS PAY REQUEST IN ACCORDANCE WITH CITY'S STANDARD SPECS; NO PROGRESS PAYMENTS WILL BE MADE FOR ANY WORK UNTIL SATISFACTORY SCHEDULE HAS BEEN SUBMITTED TO THE ENGINEER.

ORIG. CONTRACT AMT.		$_____
CHANGE ORDER NO. 1	$_____	
CHANGE ORDER NO. 2	$_____	
CHANGE ORDER NO. 3	$_____	
CHANGE ORDER NO. 4	$_____	
NET CHANGE BY CHANGE ORDERS:	$_____	
TOT ADJUSTED CONTRACT AMT TO DATE:		$_____
BALANCE OF CONTRACT TO FINISH:	$_____	
TOTAL COMPLETE AND STORED TO DATE:		$_____
LESS 5% RETENTION	$_____	
LESS PREVIOUS BILLINGS:	$_____	
AMOUNT DUE THIS INVOICE:		$_____

******Labor Compliance (payrolls etc.) is current and submitted for this Pay Request******

Submitted By _____ **Date:** _____

Submit To: **Department of Parks & Recreation**
915 I Street, 3rd Floor
Sacramento, CA 95814
Attn.: Dennis Day, Project Manager/ Kirsten Wise, Labor Compliance Officer

Approved By (Const. Insp.) _____ **Date:** _____

Approved By (Project Manager) _____ **Date:** _____

Approved By (Labor Compliance) _____ **Date:** _____

In accordance with Public Contract Code §20104.50 the City shall pay Contractor interest on any progress payment which is made by City more than 30 days after City receives an undisputed and properly submitted written payment request. Said interest shall be equal to the rate set forth in CCP§685.010(a), and shall begin to accrue upon the expiration of said 30 day period. Any written request for a progress payment which City determines to be disputed, improper or not suitable for payment for any reason shall be returned to Contractor within 7 days after receipt by City, along with a written statement of the reason or reasons why such request is disputed, improper or not suitable for payment.
(Rev. 9/17/04)

Remit To:

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

SCHEDULE OF VALUES

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

PROJECT NAME: VALLEY OAK PARK DEVELOPMENT

CITY PROJ. NO: L19184001

FUNDING:

CONTRACTOR: OLYMPIC LAND CONSTRUCTION

ADDRESS: 2442 NORTH AVENUE
SACRAMENTO, CA 95838

PHONE NO: (916) 972-7148

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	
	ITEMS OF THE BASE BID:									
1	Site Clearing and Grubbing	1	LS	$4,980.00	$4,980.00					
2	Site Staking	1	LS	$11,055.00	$11,055.00					
3	Temporary Construction Fence to Install	1	LS	$8,985.00	$8,985.00					
4	Demolition	1	LS	$1,700.00	$1,700.00					
5	Erosion and Sediment Control	1	LS	$21,900.00	$21,900.00					
6	Site Grading	1	LS	$74,500.00	$74,500.00					
7	Standard Manhole No. 3A to Construct	1	LS	$12,300.00	$12,300.00					
8	Standard Sewer Manhole	3	EA	$3,815.00	$11,445.00					
9	4" Sanitary Sewer to Construct	1	LS	$13,415.00	$13,415.00					
10	6" Sanitary Sewer to Construct	1	LS	$11,088.00	$11,088.00					
11	Catch Basin to Construct	1	LS	$7,260.00	$7,260.00					
12	Play Area Catch Drain to Construct	1	LS	$3,520.00	$3,520.00					
13	8" PVC Drain Pipe to Place	1	LS	$7,810.00	$7,810.00					
14	10" PVC Drain Pipe to Place	1	LS	$12,415.00	$12,415.00					
15	12" PVC Drain Pipe to Place	1	LS	$5,115.00	$5,115.00					
16	Flared End Section Drain Outlet to Install	1	LS	$5,720.00	$5,720.00					
17	Electrical System to Install	1	LS	$43,745.00	$43,745.00					
18	Domestic Water Supply Line to Install	1	LS	$9,200.00	$9,200.00					

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						Quantity	$ Amount	Quantity	$ Amount	
19	Aggregate Base to Place	1	LS	$85,000.00	$85,000.00					
20	Concrete Pavement to Construct	1	LS	$121,550.00	$121,550.00					
21	Concrete Pavement, Special Finish to Construc	1	LS	$26,730.00	$26,730.00					
22	Basketball Court Pavement to Place	1	LS	$23,832.00	$23,832.00					
23	Mister Area Pavement to Construct	1	LS	$14,960.00	$14,960.00					
24	Bank Shot Court Surfacing to Construct	1	LS	$6,200.00	$6,200.00					
25	Raised Concrete Curb to Construct	1	LS	$2,200.00	$2,200.00					
26	Seatwall to Construct	1	LS	$32,830.00	$32,830.00					
27	Play Area Curb to Construct	1	LS	$10,500.00	$10,500.00					
28	Basketball Court Curb to Construct	1	LS	$7,370.00	$7,370.00					
29	Concrete Mowband to Construct	1	LS	$40,700.00	$40,700.00					
30	Play Area Ramps to Construct	1	LS	$2,090.00	$2,090.00					
31	Basketball Court Striping to Install	1	LS	$3,900.00	$3,900.00					
32	Split Rail Fence to Install	1	LS	$6,850.00	$6,850.00					
33	Drinking Fountain to Install	1	LS	$12,900.00	$12,900.00					
34	Picnic Table to Install	1	LS	$23,650.00	$23,650.00					
35	ADA Picnic Table to Install	1	LS	$14,135.00	$14,135.00					
36	Serving Table to Install	1	LS	$1,320.00	$1,320.00					

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						Quantity	$ Amount	Quantity	$ Amount	
37	Group Grill to Install	1	LS	$2,660.00	$2,660.00					
38	6' Bench to Install	1	LS	$5,690.00	$5,690.00					
39	8' Bench to Install	1	LS	$19,400.00	$19,400.00					
40	8' Backless Bench to Install	1	LS	$3,075.00	$3,075.00					
41	Bike Racks to Install	1	LS	$1,570.00	$1,570.00					
42	Trash Receptacle to Install	1	LS	$3,150.00	$3,150.00					
43	Concrete Park Sign to Install	1	LS	$3,135.00	$3,135.00					
44	Picnic Structure to Install	1	LS	$93,015.00	$93,015.00					
45	Play Area Wood Fiber to Install	1	LS	$19,125.00	$19,125.00					
46	Play Equipment to Install	1	LS	$226,515.00	$226,515.00					
47	Swings to Install	1	LS	$11,500.00	$11,500.00					
48	Precast Independent Play Items to Install	1	LS	$18,005.00	$18,005.00					
49	Rubber Mat Under Swings to Install	1	LS	$4,385.00	$4,385.00					
50	Mister Area to Construct	1	LS	$54,815.00	$54,815.00					
51	Basketball Goals to Install	1	LS	$5,520.00	$5,520.00					
52	Bank Shot Goals to Install	1	LS	$25,200.00	$25,200.00					
53	Volleyball Nets & Posts to Install	1	LS	$2,760.00	$2,760.00					
54	Bantam Soccer Goals to Install	1	LS	$5,000.00	$5,000.00					

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						Quantity	$ Amount	Quantity	$ Amount	
55	Signage to Install	1	LS	$1,900.00	$1,900.00					
56	Automatic Irrigation System to Install	1	LS	$225,000.00	$225,000.00					
57	Booster Pump to Install	1	LS	$24,000.00	$24,000.00					
58	Central Irrigation Controller to Install	1	LS	$33,500.00	$33,500.00					
59	15 Gallon Trees to Install	1	LS	$13,400.00	$13,400.00					
60	24" Box Trees to Install	1	LS	$32,120.00	$32,120.00					
61	48" Box Trees to Install	1	LS	$1,150.00	$1,150.00					
62	Shrub & Groundcover Areas to Install	1	LS	$43,518.00	$43,518.00					
63	Landscape Weed Fabric to Place	1	LS	$15,225.00	$15,225.00					
64	Bark Mulch to Install	1	LS	$41,800.00	$41,800.00					
65	Headerboard to Install	1	LS	$2,250.00	$2,250.00					
66	Root Barrier to Install	1	LS	$940.00	$940.00					
67	Landscape Boulders to Provide	1	LS	$6,950.00	$6,950.00					
68	Turf from Hydroseed to Install	1	LS	$77,800.00	$77,800.00					
69	Erosion Control Hydroseed to Install	1	LS	$850.00	$850.00					
70	Landscape Maintenance (90 Days)	1	LS	$8,112.00	$8,112.00					
	BASE BID TOTALS				**$1,735,905.00**					

Remit To:

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

SCHEDULE OF VALUES

Department of Parks and Recreation
Park Planning & Development Services
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Sacramento, CA 95814

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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	Tot Area Shade Canopy to Install	1	LS	$34,950.00	$34,950.00					
A2	Adventure Area Shade Canopy to Install	1	LS	$43,500.00	$43,500.00					
A3	Ball Wall and Half Tennis Court to Construct	1	LS	$53,985.00	$53,985.00					
	ADDITIVE ALTERNATE TOTALS				**$132,435.00**					
	TOAL CONTRACT AMOUNT				**$1,868,340.00**					
	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				**$1,868,340.00**					

GUARANTEE

We hereby guarantee the: **VALLEY OAK PARK DEVELOPMENT (L19184001)**

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: 3-3-14

Signed: _____

PANTELIS KALLERGIS
Printed Name

OLYMPIC LANDCONSTRUCTION.
Company

2442 NORTH AV.
Address

SACRAMENTO CA 95838

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B14190021011

SPECIAL PROVISIONS

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SPECIAL PROVISIONS FOR:

VALLEY OAK PARK DEVELOPMENT
(L19184001)

1-8-14

I. GENERAL REQUIREMENTS

A. SCOPE AND LOCATION OF WORK

The work to be performed under these Special Provisions consists of developing the Valley Oak Park in Sacramento at 2780 Mabry Drive. The improvements will consist of the development of 9.2 acres, and includes grading, drainage, irrigation, landscaping, concrete walkways, children's playgrounds, two bantam soccer fields, one half basketball court, two lawn volleyball courts, a group picnic area with shade shelter, drinking fountains, playground shade canopies, site furnishings and water spray area.

B. COMPLETION TIME

The time for the completion of all work is 90 (ninety 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.

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, add the following after the sub paragraph 2 of the first paragraph in the Standard Specifications.

If a prime Contractor fails to specify 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.

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, inspectors, and with other Contractors in every way possible. The Inspectors 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.

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 **Dennis Day**, Department of Parks and Recreation, Park Planning & Development Services, 915 I Street, 3rd Floor, Sacramento, CA 95814, (916) 808-7633, FAX (916) 808-8266.

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) calendar days before the bid opening date.

H. PRE-JOB CONFERENCE AND CONSTRUCTION SCHEDULE

The Contractor, after delivery of the contract and at least three (3) calendar days before beginning work, shall notify the Park Construction Inspector and arrange a pre-job conference. The Contractor shall submit to the Park Construction Inspector 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 **thirty (30) calendar days** after the **Bid Summary and Notification of Award**

Recommendation, 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) calendar days** after the **Bid Summary and Notification of Award Recommendation** 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 Inspector.

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 Inspector 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
PVC Drain Pipe	X		
Drainage Structures	X	X	
Play Area Catch Basin	X	X	
Aggregate Base	X		
Concrete Pavement	X		X
Colored Concrete & Curing Compounds	X		X
Expansion Joint Materials	X		X
Decomposed Granite Paving	X		X
Trex Header Board	X		
Chain Link Fencing and Gates	X	X	
Natural Stone Cap			X
Fascia Stone			X
All Playground Equipment and Materials	X	X	
Rubber Mats under Swings	X	X	
Play Area Wood Fiber	X		X
Picnic Shade Structure	X	X	
Drinking Fountain	X		
Regular and Accessible Picnic Tables	X		
Serving Table	X		
Bike Rack	X		
Entry Monument Sign	X		
Electrical System	X		
Gate Valves	X		
Remote Control Valve	X		
Valve Boxes and Lids	X		
Quick Coupler Valve	X		
Spray Head	X		
Rotor	X		
Main and Domestic Water Line	X		
PVC Pipe Fittings	X		
Solvent Weld for PVC	X		
Swing Joint Assemblies	X		
Irrigation Piping	X		
Control Wire and Connectors	X		
Playground Wood Fiber	X		X
Soil Amendments	X		X
Pre-emergent	X		
Bark Mulch	X		X

Turf Hydroseed Mix	X		
Erosion Control Mix	X		
Ball Wall	X	X	
Play Area Shade Canopies	X	X	
Plant Materials	X		
Landscape Weed Fabric and Staples or Fasteners	X		X
Root Barrier	X		
Painted Pavement Striping and Markings	X		

Five (5) copies 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

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.

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 inspector 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 Inspector 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 for bid to be responsive.

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.

AA. BUILDING PERMITS

The Contractor shall be responsible for picking up the project building permit(s) when ready to issue; be 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 City shall pay for all building permit fees and special inspections.

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

II. ITEMS FROM BASE BID PROPOSAL

PARK IMPROVEMENTS:

Item No. 1 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, turf, 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. Debris all resulting debris shall become the property of the Contractor and legally disposed of off the project limits 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 Site Clearing and Grubbing as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 2 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 Inspector 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 Inspector.

Item No. 3 Temporary Construction Fence to Install

This item shall consist of furnishing, installing and maintaining a 6' temporary Chain Link Fence Construction Fencing and 4' Orange Vinyl Fencing around construction areas 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. Fence shall remain in place throughout the duration of the project until project acceptance, or as directed by the Inspector. 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 to Install as shown on the plans, as specified in these Special Provisions and as directed by the Inspector.

Item No. 4 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. Concrete Pavement shall be removed as shown on the plans. All resulting debris shall be removed and legally disposed of off-site by the Contractor.

B. Trash & Debris including Concrete shall be removed by the Contractor. Exact limits of concrete, trash and debris removal shall be determined by the Parks Construction Inspector. All items removed by the Contractor shall be legally disposed of off-site.

C. Sawcutting of Pavement shall be required as directed per plans and by the Parks Construction Inspector. Sawcuts shall be neat and clean and shall provide a smooth transition between new and existing features.

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. 5 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 as amended by 2010-00014-DWQ and these Special Provisions.

A. Storm Water Pollution Prevention Plan (SWPPP) – A SWPPP document has been prepared per the requirements of this project. Site is a Risk Level 2 determination. The SWPPP is designed to adhere to Risk Level 2 requirements as established in Attachment D of the General Permit. 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 Foreman 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 qualified rain 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. 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 the SWPPP prepared for this project and the Erosion and Sediment control plan.

C. Rain Event Action Plan (REAP) The Contractor's onsite QSD shall develop a Rain Event Action Plan 48 hours prior to any likely precipitation event. REAP shall be developed as described in Attachment D of the General Permit.

D. 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 covered it at the end of each work day or when its 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 Inspector 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 sawcutting 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 Inspector.

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 clean up 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.

E. 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.

F. 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.

G. 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.

H. 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.

I. 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.

J. Filter Rolls shall be installed per the plans immediately after the structure opening is constructed. All filter rolls shall be maintained and remain in place until construction is completed.

K. Drain Inlet Protection shall be installed per plans immediately after the structure opening is constructed.

L. Storm Drain Inlet Filter shall be installed per plan

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 Inspector.

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 and these Special Provisions.

A. The Contractor shall meet the lines and grades as shown on the grading plan. 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 of the 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 solely responsible for earthwork calculations.

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

C. Planter Areas adjacent to paved areas shall be graded so that after settlement the soil will be two inches below top of adjacent pavement or curb.

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

E. Excavation Grading shall include removal of soil as required to construction improvements as shown. All excavated soils shall be used in grading operations or disposed of off-site.

F. Subgrade Preparation Under Pavements and areas to Receive Fill Following clearing and grubbing, the native subgrade within structural areas (i.e. exterior pavement) and areas to receive fill should be scarified to a depth of 12 inches or the depth of disturbance caused by site clearing (whichever is greater). Subgrade should be moisture conditioned to at least two percent above optimum moisture content and compacted to at least 90 percent relative compaction. Original grade preparation and fill construction should extend at least two feet beyond exterior pavements. Loose, soft or saturated soils should be scarified and compacted or excavated to expose firm, undisturbed native materials.

Final pavement subgrade moisture conditioning and compaction should be completed no more than 48 hours before the start of installation of the aggregate base for flatwork or protected from significant moisture loss prior to installation of the aggregate base.

The upper twelve inches (12") of subgrade supporting pavements shall consist of select, non-expansive, granular engineered fill. Engineered fill shall be compactable, granular soil, fines of particles greater than three inches (3") in maximum dimension, with less than five percent (5%) greater than one inch (1") in size, with plasticity index less than 15

or expansion index less than 20. Material shall be approved by the City before being transported to the site.

On-site soils may be used as fill provided they are free of organic material, debris and other deleterious material and free of rock and other particles greater than three inches in largest dimension. Native expansive clays are NOT suitable for use within the upper 12 inches of exterior flatwork construction. The depth of aggregate base under pavements may be counted toward the 12 inches of non-expansive fill.

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 Standard Manhole No. 3A to Construct

This item shall consist of furnishing and constructing Standard Manhole No. 3A (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 No. 3 shall be precast in accordance with Standard Drawing S-80.

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. 3A as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 8 Standard Sewer Manhole to Construct

This item shall consist of furnishing and constructing Standard Sewer Manhole (SSMH) as shown on the plans in conformance with Sections 25 and 38 of the Standard Specifications and these Special Provisions, and removal of existing sanitary sewer stub as shown on plans.

A. SS Manhole shall be precast in accordance with Sacramento County Standard Drawing 7-4C-30.

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 SS Manhole as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 9 4" Sanitary Sewer to Construct

This item shall consist of furnishing and installing the 4" Sewer Line as shown on the plans and in conformance with Section 10-21 and 26 of the Standard Specifications and these Special Provisions.

A. Contractor shall make connections to existing on site sanitary sewer stub necessary to connect the new 4" 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 W-104 of the Standard Specifications.

E. Clean out shall be installed as shown on the Plans and per Drawing C.E. 71 of the Standard Specifications.

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 4" Sewer Line as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 10 6" Sanitary Sewer to Construct

This item shall consist of furnishing and installing the 6" Sewer Line as shown on the plans and in conformance with Section 10-21 and 26 of the Standard Specifications and these Special Provisions.

A. Contractor shall make connections to 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 W-104 of the Standard Specifications.

E. Clean out shall be installed as shown on the Plans and per Drawing C.E. 71 of the Standard Specifications.

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" Sewer Line as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 11 Catch Basin to Construct

This item shall consist of furnishing and constructing a Catch Basin complete with concrete collar at the location and elevation as shown on the plans in conformance with these Special Provisions.

A. Catch Basin may be poured in place or may be precast, Christy model no. U21 or U21S or approved equal.

B. Concrete shall be Portland Cement Concrete Type II Class "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.

C. Grate shall be Christy welded steel grate with cross bars, 24" x 24" with lockdown bolts or approved equal.

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

Item No. 12 Play Area Drain to Construct

This item shall consist of furnishing and constructing a Play Area Drain complete with steel cover and gravel sump at the location and elevation as shown on the plans in conformance with the Standard Specifications and these Special Provisions.

A. Play Area Drain 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. Steel Cover shall be 3/16" diamond plate hot-dipped galvanized after fabrication.

D. Base Rock shall be 3/4" minimum to 1-1/2" maximum washed rock with no fines.

E. Pea Gravel shall be 1/4" minimum to 2" maximum washed rock with no fines.

F. Geotextile 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.

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 Drain to Construct as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 13 8" PVC Drain Line to Place

This item shall consist of furnishing and placing 8" PVC Drain Line complete with cleanouts as shown on the plans in conformity with Sections 10 and 26 of the Standard Specifications and with these Special Provisions.

A. PVC Gravity Drain Line and fittings shall conform to section 10-19 of the Standard Specifications.

B. Trench Backfill shall conform to Drawing T-80 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 providing and completing the 8" PVC Drain Line as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 14 10" PVC Drain Line to Place

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

A. PVC Gravity Drain Line and fittings shall conform to section 10-19 of the Standard Specifications.

B. Trench Backfill shall conform to Drawing T-80 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 providing and completing the 10" PVC Drain Line as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 15 12" PVC Drain Line to Place

This item shall consist of furnishing and placing 12" PVC Gravity Drain Line complete with cleanouts as shown on the plans in conformity with Sections 10 and 26 of the Standard Specifications and with these Special Provisions.

A. PVC Gravity Drain Line and fittings shall conform to section 10-19 of the Standard Specifications.

B. Trench Backfill shall conform to Drawing T-80 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 providing and completing the 12" PVC Drain Line to Place as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 16 Flared End Section Drain Outlet to Install

This item shall consist of furnishing and installing a new Flared End Section Drain Outlet and Cobble Surfacing Outfall as shown on the plans, in conformance with the Standard Specifications, as specified in these Special Provisions and per manufacturer's specifications.

A. Flared End Section shall be per plans or approved equal.
B. Cobble shall be smooth round rive cobble stones 4-8" diameter installed to the depth and limits shown on the plans. Cobble should cover top and sides of drain line and flared end section.

C. Geotextile 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.

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 Flared End Section Drain Outlet to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 17 Electrical System to Install

This item shall consist of furnishing and installing all labor and materials for complete installation of solar powered path lights and picnic shelter, SMUD powered path lights, pole foundations, conductors, conduits, pull boxes, ground rods, circuit breakers, demolition and removals, splicing and connecting of conductors, and miscellaneous related work as shown on the plans in conformance with Sections 34 and these Special Provisions.

A. Contractor shall visit the site prior to submission of his bid, verify all conditions that will affect the performance of his work, make all necessary measurements, and notify the Engineer of any discrepancies between the plans and the actual field conditions, prior to bidding.

B. Contractor shall secure all necessary permits. There shall be no charge for permits that are issued by the City.

C. Contractor shall coordinate his work with the other trades, reviewing areas of possible conflicts with space.
D. Contractor to furnish and install all necessary temporary lighting and job site construction power as required by the 2011 edition of the National Electrical Code, OSHA, and the California State Safety Orders.

E. Prior to ordering any materials, Contractor shall furnish the Landscape Architect with manufacturer's literature and catalog sheets, per General Requirements section, and/or manufacturers' data sheets for the following items:

1. Lighting fixtures
2. Service meter pedestal
3. Pull boxes
4. Wire

5. Conduit and conduit fittings
6. Ground rods
7. Conduit sealing materials
8. Wire connection sealing materials
9. Vandal inserts
10. Receptacle post

F. Unless otherwise indicated or specified, all materials and methods shall conform to the appropriate current sections of:

1. The City of Sacramento Standards for Public Improvements.
2. The State of California, latest edition of the Department of Transportation Standard Specifications - CALTrans (DTSS), except for measurement and payment requirements.
3. Applicable ASTM specifications as they reasonably apply to this work, except for measurement and payment requirements.
4. CEC – California Electrical Code
5. Where conflicts occur, most stringent requirements apply.

G. All materials shall be new with the Underwriter's acceptance label attached.

H. All work shall conform to the requirements of the current edition of the National Electrical Code, OSHA, California State Safety Orders and the City regulations.

I. The complete electrical installation shall be permanently grounded per the current edition of the National Electrical Code and local regulations.

J. Contractor to keep accurate and scaled reproducible record plans of the entire electrical installation. Deviations and changes from the Contract Drawings shall be noted on this drawing. All work that is installed under this Contract shall be included on these drawings.

K. The Electrical Contractor shall guarantee, in writing, for a period of one year from date of acceptance, that all work installed shall be free from defects in workmanship and materials. If during this period of one year any such defects appear, the Contractor shall, without cost to the City, remedy such defects. If the Contractor defaults on this guarantee, the City may have such work done and charged to the Contractor.

L. <u>Products</u>

1. Conductors: Shall be copper, crosslink polyethylene insulated, 600V, type "USE" underground service cable, Triangle, Rome, Phelps Dodge or equal.

2. Conduits: Shall be PVC schedule 40, Carlon, PW Pipe, or approved equal. All conduits entering pull boxes shall have end bells. Conduit used on picnic shelter shall be EMT for exposed wiring.

3. Pull Boxes: Shall be Carson plastic with bronze, tamper-proof hold-down bolts, mounted flush with the finished grade of paving, or planting area, mounted on 12" base of crushed drain rock. Boxes in areas subject to vehicle wheel loading shall be traffic-rated with checker plate steel covers. Size of boxes shall be as shown on drawings. Provide boxes with vandal deterrent locking inserts as

manufactured by McCain, complete with Master Lock heavy duty padlock, keyed as per City standards.

4. Lighting Fixtures: As shown on drawings.

5. Ground rods: Shall be copper-clad steel, ¾ "diameter by 10' long unless otherwise noted on drawings, with suitable phosphor bronze clamps, Eritech, or approved equal.

6. Service Meter Pedestal: Outdoor NEMA 3 meter pedestal, suitable metering and underground termination facilities for SMUD, vandal resistant construction, custom paint color as selected by City; as manufactured TESCO type 3-AF, or approved equal. All circuit breakers, metering components and control devices shall have short circuit ratings equal to that of the available short circuit current, in accordance with NEMA standards, and shall have arc-flash label in accordance with NEC.

M. Installation

1. Contractor shall furnish and install the lighting fixtures per the requirements of the City of Sacramento.

2. All service equipment grounding shall be installed in accordance with NEC, and contractor shall test the service ground with a Biddle ground megger and submit test results to the City Engineer.

3. Contractor shall set pull boxes in locations as indicated on drawings, for future tennis lights tennis and pathway pole lights.

4. Contractor is responsible for the removal of all debris from job site caused by this work. Protect and cover all equipment during construction to keep material free from scratches and blemishes.

5. Contractor shall connect all lighting fixtures to their respective panel or control devices as indicated on drawings.

6. All conductor splices shall be completely watertight, utilizing CALTrans Method "B" splice, or 3M Scotch-cast #85 series electrical splicing kits with molds, resin and tapes. Splices shall be prepared as recommended by the manufacturer.

7. All conduits entering underground pull boxes shall have wide flange end bells. Upon completion of the installation of the wire in the conduits, all conduit ends shall be sealed watertight with non-hardening, non-oxidizing and non-corrosive sealing compounds; Permagum, or approved equal.

8. All conductors in conduits shall be installed free from injuries, abrasions, cuts or crimping. Where necessary to provide cable lubrication for smooth conductor installation, Contractor may use jet line products "SWP" series, or approved equal.

9. Install pull lines or ropes in all empty conduits into pull boxes. Seal ends of conduits with duct seal around pull lines to prevent debris from entering conduits.

N. Testing

1. The Contractor shall test the complete installation in the presence of the City Engineer or his representative, upon completion of the project, including tests for grounds, lighting control, panelboard circuits, etc.

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

Item No. 18 Domestic Water Supply Line to Install

This item shall consist of furnishing and installing a domestic water supply line, gate valves, back flow preventers, pressure relief valves and throttle valves 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. Pipe 2-1/2" and under shall be Schedule 40 and pipe 3" and larger 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. Gate Valves shall include gate valve boxes and are to be installed at the locations indicated on the plans in conformance with the applicable requirements of Sections 10, 27 and 38 of the Standard Specifications and these Special Provisions.

D. Pressure Relief and Throttle Valves shall include valve boxes and are to be installed at the locations indicated on the plans in conformance with the applicable requirements of Sections 10, 27, and 38 of the Standard Specifications and these Special Provisions. When used in conjunction, the valves must maintain a pressure between thirty (30) and fifty (50) pounds per square inch (psi) and supply eighteen (18) gallons per minute to the proposed water feature.

E. 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.

F. New Backflow Preventer shall be per plans and 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.

G. Meter shall be as specified in Section 27 of the Standard Specifications and to be installed by the City Water Division. 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. A Water Development Impact fee will not be required on City park projects. Contractor is responsible for paying meter fees, and should allow 60 days for installation of water tap by the City after payment.

H. Concrete Pad shall be installed as shown on the plans and per Standard Drawing W-505 in conformance with Sections 10, 19, and 24 of the Standard Specifications and with these Special Provisions.

Payment shall be 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 Domestic Water Supply Line and valves as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 19 Aggregate Base to Place

This item shall consist of furnishing and installing aggregate base (AB) under Concrete Pavement, Concrete Pavement, Basketball Court Pavement, Mister Area Pavement and Play Area Special Finish as shown on the plans in conformance with Section 10, and 17 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 providing and completing the Aggregate Base to Place as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 20 Concrete Pavement to Construct

This item shall consist of furnishing and constructing 4" thick Concrete Pavement as shown on the plans in conformance with Sections 10, 18, and 24 of the Standard Specifications 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. 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

C. 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.

D. Test Panel shall be **required** and shall be poured prior to placement of concrete flatwork. The contractor shall construct a test panel of 3' X 3' X 4" thick minimum dimensions. The Contractor shall notify the Landscape Architect and Inspector 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.

E. 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, and incidentals and for doing all work involved in completing the Concrete Pavement to Construct as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 21 Concrete Pavement, Special Finish to Construct

This item shall consist of furnishing all materials and equipment necessary for installing 4" reinforced Concrete Pavement, Special Finish Types I, II & III as shown on the plans in conformity with Sections 10, 18, and 24 of the Standard Specifications 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. Colored Concrete Admixture (for Concrete Pavement Special Finish Types I, II & III) shall be L.M. Scofield Chromix admixture. Color "Sombrero Buff" (C-25) or other as approved by Landscape Architect. As Available from L.M. Scofield Co. (800) 800-9900 or approved equal.

C. Color Concrete Stain (for Concrete Pavement, Special Finish Type II) apply L.M. Schofield Tintura Stain. Color shall be "Autumn Honey" (2047) or other as approved by Landscape Architect. As available from L.M. Scofield Co. (800) 800-9900 or approved equal. Apply in accordance with manufacturer's instructions. Submit sample chip of specified color, indicate color name and number of coats necessary to achieve color. Contractor shall apply as many coats as necessary to match sample in L.M. Scofield Tintura Stain Color Chart.

D. Color Concrete Hardener (for Concrete Pavement, Special Finish Type III) apply L.M. Scofield Lithochrome Color Hardener. Color shall be "Adobe Clay" (1136) or other as approved by Landscape Architects. As available from L.M. Scofield (800) 800-9900 or approved equal. Apply in accordance with manufacturer's instructions. Submit sample chip of specified color, indicating color name.

E. 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.

F. Curing Compound for Colored Concrete provide W-1000 Clear Cure & Seal manufactured by Avis Colors or approved equal. Apply curing compound for colored concrete in accordance with manufacturer's instructions.

G. Water-based Sealant shall be Schofield Select Seal – W as available from L.M. Scofield (800) 800-9900 or approved equal, and applied to all Stained Concrete surfaces in accordance with the manufacturer's specifications.

H. 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.

I. 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.

J. Test Panel shall be **required** and shall be poured prior to placement of concrete flatwork. The Contractor shall construct a test panel of 36" x 36" x 3 ½" thick minimum dimensions, **one test panel for each of the different finishes shown on the plans**. The Contractor shall notify the Landscape Architect and Inspector 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 the concrete.

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 Pavement, Special Finish as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 22 Basketball Court Pavement to Place

This item shall consist of furnishing and installing three inches (3") of Basketball Court Pavement as shown on plans in conformance with Section 10 and 22 of the Standard Specifications and these Special Provisions and Section 39 of the State Standard Specifications.

A. Basketball Court Pavement shall be Type B (medium) and shall conform to Section 22 of the Standard Specifications and Section 39 of the State 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 Asphalt Pavement shall be flooded to verify proper surface drainage, identify low spots and high areas greater than 1/8" tolerance. Areas identified as being out of tolerance shall be repaired, filled to tolerant grade or removed and reinstalled.

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 the work involved in providing and completing the Basketball Court Pavement as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 23 Mister Area Pavement to Construct

This item shall consist of furnishing materials and constructing 4" thick Mister Area Pavement Finish Types I & II as shown on the plans in conformity with Sections 10, 18, and 24 of the Standard Specifications 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. Colored Concrete Admixture (for Mister Area, Pavement Finish Types I & II) shall be L.M. Scofield Chromix admixture. Color "Sombrero Buff" (C-25) or other as approved by Landscape Architect. As Available from L.M. Scofield Co. (800) 800-9900 or approved equal.

C. Color Concrete Hardener (for Mister Area, Pavement Type II) apply L.M. Scofield Lithochrome Color Hardener. Color shall be "Adobe Clay" (1136) or other as approved by Landscape Architects. As available from L.M. Scofield (800) 800-9900 or approved equal. Apply in accordance with manufacturer's instructions. Submit sample chip of specified color, indicating color name.

D. Color: Provide color selected by Landscape Architect from manufacturer's premium color line. Color shall be as shown on the plans or approved equal. Submit sample chip of specified color indicating pigment number and required number of coats. Apply in accordance with manufacturer's instructions.

E. Reinforcement shall be intermediate grade and deformed in conformance with "deformed billet-steel bards for concrete reinforcement" (ASTM Designation A615) and with Section 21 of the Standard Specifications. Rebar shall be as shown on the plans.

F. 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.

G. Water-based Sealant shall be Scofield Selectseal-W, or approved equal, and applied to all Mister Area Pavement surfaces in accordance with the manufacturer's specifications.

H. 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.

I. Elastomeric Sealant shall be Lithoseal Traffic Caulk – 36 as available through Scofield Systems, contact Bob Torres (916) 71502717. Install per manufacturer specification.

J. Backer Rod shall be a closed cell backer rod composed or extended closer cell polyethylene foam with tensile strength of 25 psi.

K. Finish shall conform to Section 24-7 of the Standard Specifications with the following exception: the concrete shall have a sweated swirl finish complying with stain manufacturer's recommendations.

L. Test Panel shall be **required** and shall be poured prior to placement of concrete flatwork. The contractor shall construct a test panel of 3' X 3' X 4" thick minimum dimensions, **one test panel for each of the different finishes shown on the plans**. The Contractor shall notify the Landscape Architect and Inspector 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.

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 Mister Area Pavement to Construct as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 24 Bank Shot Court Surfacing to Construct

This item shall consist of furnishing and installing Bank Shot Court Surfacing as shown on plans in conformance with these Special Provisions.

A. Bank Shot Court Surfacing: Acrylic athletic surfacing system, highly pigmented, comprised of a combination of texture coats and finish coats providing a long-wearing color surface of uniform texture by California Products Corporation "Fortified Plexipave", Flintkote Co.; "Decoralt", Chevron Asphalt Company; "Chevron's Surfacing System"; or approved equal.

B. Colors for Bank Shot Court shall be per plans.

C. Playing Lines: Shall be Plexicolor Line Paint by California Products Corporation, or equivalent by Flintkoke Co., Chevron Asphalt Co., or equal. Color shall be white. No oil-based paint shall be allowed.

D. Submittals: Contractor shall submit three complete sets of specialty pavement data within ten days after award of contract. Data shall include color samples, manufacturer's specifications and recommendations, and list of at least three similar applications completed by the Contractor within the past three years.

E. Installation: The surfacing shall be applied to court surface by pouring from a can or a wheeled container to continuous parallel lines and spreading immediately with a rubber-faced squeegee. There shall be surface two applications of the product. The total amount of surface shall not be less than 60 gallons per 1,000 square feet per coat.

1. A surface course of a nominal thickness shall be constructed on the completed pavement using the double straight edge course method.
2. The finished surface course shall be flooded and areas that hold water more than 1/8" shall be filled to grade with a mixture of Carpet Coat Surface.

3. Acrylic Resurface (no asphaltic materials will be permitted):

Acrylic Resurface	55 gals
Water	20-40 gals
Sand (40-60 Mesh)	600-900 lbs.

4. Filled Acrylic Finish Color: After the surfacing application has been completed and allowed to cure, the filled acrylic finish and Plexichrome shall be applied in three (3) applications.

   - Two squeegee applications of filled acrylic finish. Minimum amount of undiluted filled acrylic material to be applied is 12 gallons per 1,000 square feet.

- One brush or roller application of unfilled acrylic finish. Minimum amount of undiluted unfilled acrylic to be applied is 7 gallons per 1,000 square feet.

5. Playing Lines: Playing lines shall be accurately located and marked by snapping chalked line on the court surface. Standard dimensions shall be used. The lines shall be solidly opaque. No oil base paint will be permitted.

F. Protection: The area shall be protected from traffic during all operations and shall not be opened for use for at least 24 hours after the finished surface has dried completely.

G. Inspection: Contractor shall notify the City at the completion of each stage of the operation and shall allow reasonable time for inspection prior to proceeding with each following stage until authorization to proceed has been received from the City.

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 constructing Bank Shot Court Surfacing to Construct as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 25 Raised Concrete Curb to Construct

This item shall consist of furnishing all materials and equipment necessary for installing Raised Concrete Curb as shown on the plans in conformity with Sections 10, 18, and 24 of the Standard Specifications 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. Expansion and 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.

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. 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 placed at 20' O.C., and score lines at 10' O.C.

E. Finish shall conform to Section 24-7 of the Standard Specifications.

Payment shall be 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 Raised Concrete Curb to Construct as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 26 Seatwall to Construct

This item shall consist of furnishing and installing Seatwall as shown on the plans in conformance with Sections 10, 20, and 21 of the Standard Specifications, and these Special Provisions.

A. Cast in Place Concrete Seatwall shall be as shown on the plans. The Contractor shall be responsible for reciving and storing the concrete seatwall.

B. Concrete shall be Class "B" Portland Cement Concrete, conforming to Paragraph 10-5 of the Standard Specifications.

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. Expansion Joints shall conform to Section 24-3 of the Standard Specifications with the exception of the following: Expansion joints shall be three eighth inch (3/8") asphaltic felt installed in conformance with Section 24 of the Standard Specifications. Expansion joints shlal be placed every fifteen feet on center.

E. Waterproofing shall be two coats of "Thoro-Seal" or approved equal in locations shown on the plans.

F. Curing Compound shall be Scofield Systems Lithochrome color wax. Apply in accordance with manufacturer's recommendations.

G. Fascia Stone and Natural Stone Cap

1. Installation: All materials and installation shall be in conformance with manufacturer's specifications.

2. Submittals
   a. Submit Fascia Stone sample from production lot to be installed on site.
   b. Submit Natural Stone Cap sample from source to be installed on site.
   c. Samples should represent full range of color and surface variation.

3. Materials
   a. Fascia Stone shall be per plans, or approved equal.
   b. Natural Stone Cap shall be per plans, or approved equal.

4. Inspect Surfaces
   a. Examine surface to receive setting bed before stone installation begins for sufficient texture of surface for purposes of adhesion. Bush hammer or sandblast as necessary to provide coarse surface where existing surface is inadequate. Examine surface for any defects of conditions adversely affecting quality and execution of tile installation.
   b. Condition of Surfaces to Receive Facing Stone: Surface to be firm, dry, clean, and free of oily or waxy films. Site furnishings, conduits, and other elements occurring within areas to be installed prior to proceeding with the work.

5. Mortar shall be ASTM C-270, Type S, in the following proportions:

Cement (Type I Portland, ASTM C150):	One part
Lime (ASTM C207):	One part
Masonry Sand (ASTM C144):	Four in a half parts

6. Stone Fascia Installation
   a. Stone Fascia: Prepare surface, fit, set, bond, grout, cure and clean in accordance with applicable requirements of manufacturers recommendations.
   b. Natural Stone Cap: Provide scratch coat or mortar and install cap so surface is even and suitable for seating.

7. Grout shall be Laticrete Tri Poly sanded grout 1500 Series in Caramel, Color 31, or approved equal. Mix and use per manufacturer recommendations.

8. Planting Mix shall be per plans.

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 Seatwall to Construct as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 27 Play Area Curb at Concrete Pavement to Construct

This item shall consist of constructing Play Area Curb at Concrete Pavement 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. 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.

C. Curb shall be poured monolithically with adjacent concrete flatwork with no score joint.

D. 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 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 Play Area Curb at Concrete Pavement to Construct as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 28 Basketball Court Curb to Construct

This item shall consist of constructing the 9" and 15" wide Basketball Court 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. Expansion & Score Joints 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 joints shall be placed at 10' O.C.

C. Subgrade shall conform to Section 19 of the Standard Specifications, with the following exception: relative compaction shall be 95%.

D. Reinforcement shall be intermediate grade and deformed in conformance with "deformed billet-steel bards 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 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 Basketball Court Curb to Construct as shown on the plans, as specified in these Special Provisions and as directed by the Inspector.

Item No. 29 Concrete Mowband to Construct

This item shall consist of constructing a Concrete Mowband 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 Section 19 of the Standard Specifications, with the following exception: relative compaction shall be 95%.

D. Finish shall be broomed parallel to the mowband 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 placed 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 Mowband to Construct as shown on the plans, as specified in these Special Provisions and as directed by the Inspector.

Item No. 30 Play Area Ramps to Construct

This item shall consist of constructing Play Area Ramps as shown on the plans, in conformance with Sections 10, 19, 24, and 38 of the Standard Specifications 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. Grooves shall be as shown in Section 38, detail T-60 of the Standard Specifications.

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. 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 & 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

Payment shall be at the unit 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 Ramps to Construct as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 31 Basketball Court Striping to Install

This item shall consist of accurately locating and painting two inch (2") wide stripes and pavement markings on the basketball courts as shown on the Plans, in conformance Sections 32-2 and 32-3 of the Standard Specifications and these Special Provisions.

A. Playing Lines: Shall be Plexicolor Line Paint by California Products Corporation, or equivalent by Flintkoke Co., Chevron Asphalt Co., or equal. Color shall be white. No oil-based paint shall be allowed.

B. 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 the Basketball Court Striping to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 32 Split Rail Fence to Install

This item shall consist of furnishing and installing a Split Rail Fence to Install at the locations shown on the plans, in conformance with the Standard Specifications and these Special Provisions.

A. Split Rail Fence shall be as shown on the plans.

B. Concrete Footing shall be Portland Cement Concrete Class "C", conforming to Section 10-1/5 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 Split Rail Fence to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 33 Drinking Fountain to Install

This item consists of furnishing and installing an accessible Drinking Fountain with Jug Filler, and associated Drain, Cleanout, Drain Pipe and Supply Line as shown on the plans and in conformance with these Special Provisions.

A. Drinking Fountain Assembly shall be per plans, or approved equal. Color shall be as indicated on the plans. Nibco T-113-LF valve required. Freeze-proof valves are not required.

B. 1" 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. Drinking Fountain Drain 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. Drinking Fountain 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.

I. **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.

J. Concrete Pad shall be paid for under "Concrete Pavement to Install", 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 Drinking Fountain to install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 34 Picnic Table to Install

This item shall consist of furnishing and installing picnic table as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Picnic Table shall be per plans, or approved equal, and installed per manufacturer's instructions

B. Distributed by: *David O'Keefe Company, (800) 368-1366, Contact Jeff Whitman.*

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

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 Picnic Table to Install as shown on plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 35 ADA Picnic Table to Install

This item shall consist of furnishing and installing ADA Picnic Table as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. ADA Picnic Table shall be per plans, or approved equal, and installed per manufacturer's instructions

B. Distributed by: *David O'Keefe Company, (800) 368-1366, Contact Jeff Whitman.*

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

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 ADA Picnic Table to Install as shown on plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 36 Serving Table to Install

This item shall consist of furnishing and installing Serving Table as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Serving Table shall be per plans, or approved equal, and installed per manufacturer's instructions

B. Distributed by: *David O'Keefe Company, (800) 368-1366, Contact Jeff Whitman.*

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

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 Serving Table to Install as shown on plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 37 Group Grill to Install

This item shall consist of furnishing and installing a precast group grill as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Group Grill shall be per plans, or approved equal, and installed per manufacturer's instructions.

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 Group Grill to Install as shown on the plans, as specified in these Special Provisions and directed by the Landscape Architect.

Item No. 38 6' Bench to Install

This item shall consist of furnishing and installing a 6' Bench as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Bench shall be per plans, or approved equal and installed per manufacturer's instructions.

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 6' Bench to Install as shown on plans, as specified in these Special Provisions and as directed the Landscape Architect.

Item No. 39 8' Bench to Install

This item shall consist of furnishing and installing a 8' Bench as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Bench shall be per plans, or approved equal and installed per manufacturer's instructions.

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 8' Bench to Install as shown on plans, as specified in these Special Provisions and as directed the Landscape Architect.

Item No. 40 8' Backless Bench to Install

This item shall consist of furnishing and installing a 8' Backless Bench as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Backless Bench shall be per plans, or approved equal and installed per manufacturer's instructions.

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 8' Backless Bench to Install as shown on plans, as specified in these Special Provisions and as directed the Landscape Architect.

Item No. 41 Bike Racks to Install

This item shall consist of furnishing and installing individual Bike Racks as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Bike Rack shall be per plans, or approved equal, and installed per manufacturer's instructions.

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.

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.

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 Bike Racks to Install as shown on the plans, as specified in these Special Provisions and directed by the Landscape Architect.

Item No. 42 Trash Receptacle to Install

This item shall consist of furnishing and installing a Trash Receptacle as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Trash Receptacle shall be per plans, or approved equal, and installed per manufacturer's instructions.

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 to Install as shown on plans, as specified in these Special Provisions and as directed the Landscape Architect.

Item No. 43 Concrete Park Sign to Install

This item shall consist of furnishing and installing a Concrete Park Sign with Concrete Base and aggregate foundation 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.

E. 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.

F. Concrete signs must be made of one solid piece of concrete. The concrete base must also be one solid piece of concrete.

G. 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.

H. The sign lettering size will very 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.

I. 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.

J. 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.

K. 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%.

L. 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.

M. 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 to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 44 Picnic Structure to Install

This item shall consist of furnishing and installing a metal shade structure as shown on the plans and in conformance with these Special Provisions and the manufacturer's specifications. The Contractor shall be required to obtain a City Building Permit prior to installation.

A. Shade Structure shall be per Plans or approved equal, and installed per the manufacturer's instruction. Manufacturer, model number and colors as indicated on plans.

B. City Building Permit The City's, Department of Parks and Recreation obtained a Building Permit from Development Services for the Polygon structure. All engineered drawing and calculations and permit fees have been paid for on this structure by the City. The Contractor will be responsible for coordinating all building inspections with the City Building Department and providing a final signoff by the City Building Inspector to the project manager before final acceptance.

C. Footings and Columns

1. Footings shall be structurally engineered by the structure manufacturer to meet local codes and site conditions. (Sample footing drawings shall be made available to the Contractor or Owner from the manufacturer). Anchor bolts for surface mounted structures shall be supplied by the Owner/Contractor.

2. Columns shall be ASTM 500 grade B. Concrete footing rebar shall be ASTM A-615 grade 40 #4 bars and smaller, grade 60 #5 bars and larger. Concrete shall be 5 sack mix "Portland" cement, water/cement ratio = 0.85, fine aggregate and course aggregate, %" size. Maximum slump shall not exceed 4". Compressive strength: 2500 psi © 28 days.

D. Fascia Stone and Natural Stone Cap

1. Installation: All materials and installation shall be in conformance with manufacturer's specifications.

2. Submittals
   a. Submit Fascia Stone sample from production lot to be installed on site.
   b. Submit Natural Stone Cap sample from source to be installed on site.
   c. Samples should represent full range of color and surface variation.

3. Materials
   a. Fascia Stone shall be per plans, or approved equal.
   b. Natural Stone Cap shall be per plans, or approved equal.

4. Inspect Surfaces
   a. Examine surface to receive setting bed before stone installation begins for sufficient texture of surface for purposes of adhesion. Bush hammer or sandblast as necessary to provide coarse surface where existing surface is inadequate. Examine surface for any defects of conditions adversely affecting quality and execution of tile installation.
   b. Condition of Surfaces to Receive Facing Stone: Surface to be firm, dry, clean, and free of oily or waxy films. Site furnishings, conduits, and other elements occurring within areas to be installed prior to proceeding with the work.

5. Mortar shall be ASTM C-270, Type S, in the following proportions:

Cement (Type I Portland, ASTM C150):	One part
Lime (ASTM C207):	One part
Masonry Sand (ASTM C144):	Four in a half parts

6. Stone Fascia Installation
   a. Stone Fascia: Prepare surface, fit, set, bond, grout, cure and clean in accordance with applicable requirements of manufacturers recommendations.
   b. Natural Stone Cap: Provide scratch coat or mortar and install cap so surface is even and suitable for seating.

7. Grout shall be Laticrete Tri Poly sanded grout 1500 Series in Caramel, Color 31, or approved equal. Mix and use per manufacturer recommendations.

8. CMU Block shall be light weight unit, ASTM C-90 modular size as shown on the drawings.
   a. Mortar: ASTM C-270, Type S, using ASTM C-150, Type I Portland Cement.
   b. Reinforcement shall be intermediate grade.

E. All Beams shall be structural steel tube sized according to engineer. Color shall be as indicated on plans.

F. Steel Columns shall be structural steel tube sized according to engineering. Color shall be as indicated on plans.

G. All Bolts shall be supplied as specified by the manufacturer and hidden at all connections.

H. Roof shall be 24 gauge multi-ribbed metal panels. Roof color shall be as indicated on plans.

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 Picnic Structure to install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 45 Play Area Wood Fiber to Install

This item shall consist of furnishing and installing Play Area 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 softwoods, primarily Douglas fir, White Fir and Cedar. Wood fiber shall have blunt ends, and shall be void of 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 shall meet the sieve requirements of ASTM C-136 which call for the following:

Sieve Size	Percentage Passing by Weight
3/4"	100%
3/8"	60-90%
No. 4 Sieve	30-50%
No. 10 Sieve	10-20%
No. 60 Sieve	0-5%
No. 200 Sieve	0-1%

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 and level when compacted. Contractor shall thoroughly sprinkle wood fiber after installation and rolled with a partially filled lawn roller in all directions for compaction. 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 to Place as shown on the plans as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 46 Play Equipment to Install

This item shall consist of furnishing and installing new Tot Area and Adventure Area Play Equipment as shown on the plans, except swings and precast independent play items, in conformance with Section 10 of the Standard Specifications, these Special Provisions and the manufacturer's specifications.

A. Play Structures shall be per plans, or approved equal. The play equipment components shall be installed as shown on the plans and shall be composed of such material and constructed as specified by the manufacturer. All posts shall be steel. The Contractor will be responsible for receiving and storing the play equipment until it is installed. Colors shall be as shown on the plans.

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. 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.

D. 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.

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 Play Structures to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 47 Swings to Install

This item shall consist of furnishing and installing a single Bay Arch Swing with full bucket seats as shown on the plans in conformance with these Special Provisions.

A. Swing shall be as shown on the plans, or approved equal, and installed per manufacturer's instructions.

B. Concrete Footing shall be Portland Cement Concrete Class "C" or "D" as specified in Section 10-5 and installed in conformance with Section 20 of the Standard Specifications and the manufacturer's specifications.

C. 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.

D. Compliance: Contractor shall assemble and install playground equipment in compliance with the written instructions of the manufacturer. The playground equipment shall either be:

3. 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

4. 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.

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 to install a Swings to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 48 Precast Independent Play Items to Install

This item shall consist of installing new Precast Independent Play Items as shown on the plans in conformance with Section 10 of the Standard Specifications, these Special Provisions and the manufacturer's specifications.

A. Precast Independent Play Items are by *Universal Precast (UPC).* The Precast Items shall be as shown on the plans and shall be composed of such material, constructed

and installed as specified by the manufacturer. The Contractor will be responsible for receiving and storing the Precast Items until it is installed.

1. Manufacturer to provide repair kit with paint, details, specifications and all necessary tools. (UPC Representative: Kristen Petty of All About Play (916) 207-1555, Kristin@playgroundpros.com).

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. Manufacturer's Representative shall inspect the Precast Items after the installation and provide the City with a letter that states the equipment is installed in compliance with the manufacturer's specifications and details.

D. Compliance: Contractor shall install equipment in compliance with the written instructions of the manufacturer. The 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.

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 Precast Independent Play Items to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 49 Rubber Mat Under Swings to Install

This item shall consist of furnishing and installing a Rubber Mat under the belt swings as shown on the plans and as specified by the manufacturer.

A. Rubber Mat shall be a *Woodcarpet PVC Mat* by *Zeager Bros. Inc.* or approved equal , 42" x 78".
Supplier may be contacted at:

All About Play,	*or*	*Zeager Bros. Inc.*
(916) 923-2180		*1(717) 944-7481*

B. Anchoring shall be per manufacturer's specifications.

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 Rubber Mat to install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 50 Mister Area to Construct

This item shall consist of furnishing and installing the Mister Area s shown on the plans in conformance with the Standard Specifications, these Special Provisions and the plans.

A. General

1. Equipment not listed within these Specifications or on Drawings as furnished by the equipment supplier, but required for the complete installation of the water feature mechanical or electrical systems, shall be furnished by the Contractor.

2. Products shown on the Drawings, but not listed in this Section, shall be provided in accordance with information shown on the Drawings and the General Provisions of this part of the Specification.

B. Mister Area Equipment Manufacturer

1. Mister equipment manufacturer shall be: Water Odyssey™ by Fountain People, Inc., or approved equal, P.O. Box 807, 4600 Highway 123, San Marcos, TX 78667. Local representative, All About Play, telephone (916)923-2180.

C. Mister Area Equipment Manufacturer's Responsibility

1. Aquatic playground materials and component parts shall be guaranteed to be free from defects of materials and workmanship, for a period two years from date of shipment. Additional warranties shall include;

   a. Coating system shall be warranted for a period of two years against peeling or fading under normal environmental conditions.

   b. Stainless steel pipe and anchor bases shall be guaranteed against structural failure for a period of twenty-five years under normal usage.

D. Mister Play Equipment shall be as shown on the plans, or approved equal and installed per manufacturer's instructions.

E. Mister Area Activation/Drain shall be as shown on the plans, or approved equal and installed per manufacturer's instructions.

F. Mister Area Drain shall be per plans, or approved equal and installed per manufacturer's instructions, and shall be formed polyethylene with a 4" slip connection outlet, strainer of molded polyurethane, and a grate of heavy-duty FRP with a skid resistant surface urethane coating secured with tamper-resistant 18/8 stainless steel fasteners.

G. Mister Area Pavement shall be paid for under "Mister Area Pavement to Install" of these Special Provisions.

H. 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.

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 Mister Area to Construct as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 51 Basketball Goals to Install

This item shall consist of furnishing and installing three (3) sets of Basketball Posts, Backboards, Goals and Nets as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Basketball Posts shall be per plans, or approved equal.

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 Goals to Install as shown on plans, as specified in these Special Provisions and as directed the Landscape Architect.

Item No. 52 Bank Shot Goals to Install

This item shall consist of furnishing and installing Bank Shot Goals as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Bank Shot Goals shall be per plans, or approved equal, and installed per the manufacturer's instructions.

B. Bankshot Goal Posts shall be per plans.

C. Concrete Footings shall be installed as specified by the manufacturer and shall be Class "A" or "B" Portland Cement Concrete, conforming to Paragraph 10-5 of the Standard Specifications.

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

Item No. 53 Volleyball Net and Posts to Install

This item shall consist of furnishing and installing Volleyball Court Net and Posts as specified and in conformance with these Special Provisions.

A. Volleyball Court Post shall be per plans, or approved equal and shall consist of two (2) new sets of post 3" square, heavy gauge steel, coated with baked on Vinyl finish on exterior and interior of post. The Vinyl finish color shall be *black*. The post feature

internal all brass net tightening gears, a pulley, and external handle. The Volleyball Court Post, Model #2201-20 shall be by Patterson Williams Athletics or approved equal.

B. Concrete Footing shall be Portland Cement Concrete Type II Class "D", conforming to Section 10 of the Standard Specifications. Footing Diameters shall be consistent with exist concrete footings for Tennis Court Post and Center Tie-Down Ground Sleeve shall be installed according to manufactures 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 installing Volleyball Court Net and Posts to Install, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 54 Bantam Soccer Goals to Install

This item shall consist of furnishing and installing Bantam Soccer Goals and soccer nets as shown on the plans in conformance with the Special Provisions and the manufacturers specifications.

A. Soccer Goals shall be per plans, or approved equal.

B. Soccer Nets shall be per plans, or approved equal.

C. Stabilizing Ground Anchors shall be coil type stabilizing per manufacturer.

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 Bantam Soccer Goals to Install, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 55 Signage to Install

This item shall consist of proving materials and installing Play Area Rules Signs, Mister Area Rules Sign, and Half Basketball Court Sign as shown on the Plans in conformance with these Special Provisions and the City Standard Specifications and Standard Drawing No. T-270.

A. Signs 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.

B. Posts shall be standard weight galvanized steel, Schedule 40, 2" diameter size pipe with pipe cap.

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 Signage to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 56 Automatic Irrigation System to Install

This item shall consist of furnishing and installing, adjusting and modifying 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. Electric Control Valves shall conform to Section 36-13 of the Standard Specifications. Electric control valves shall be 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.

B. 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, Model number F-619-RW-SON or approved equal and as shown on the plans and shall be installed at the locations as shown on the plans. Plastic control valves are not acceptable. Valves shall be installed at finished grade in a concrete valve box with locking cover.

C. 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 and per Standard Drawing No. "L-20" of Section 38 of the Standard Specifications. Instlal per details and manufacturer's specifications. Pull four additional wires in different colors from controller to master valve.

D. Flow Sensor and Output Transmitter install the flow sensor per the details and manufacturer's specifications. Pulse output transmitter shall be installed per the manufacturer's specifications.

E. Valve Boxes shall be installed in conformance with Section 10-52 of the Standard Specifications and as shown on the plans.

F. Electrical shall conform to Section 34 of the Standard Specifications.

G. 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.

1. 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

H. Quick Coupling Valves shall be by Hunter Model HQ-5RC 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 on inch (1") treaded pipe connection and one (1") key connection..." Valve box shall be installed with the top at finished grade. **Four (4) quick coupler keys model HK-55 shall be provided to the City of Sacramento at the completion of the project**.

I. 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.

J. 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 inspector 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 Inspector or Landscape Architect present.

K. 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.

L. 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.

M. 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.

N. 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.

O. 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 control valves are not acceptable. Valves shall be installed at finished grade in a concrete valve box with locking cover.

P. 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.

Q. Record Drawings The Contractor shall provide three (3) copies of record drawings.

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 to Install 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. 57 Booster Pump to Install

This item shall consist of furnishing and installing the 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 per plans, or approved equal. Booster pump assembly has been designed for Valley Oak Park, Sacramento, California. Assembly, testing, startup, and service by manufacturer. Electrical supply to power the booster pump assembly shall be provided by the Contractor. 230-volt, 75-amp, and 2-pole 100-amp breaker)

B. A Booster Package 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 (200 GPM and 65-PSI increase), 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, Peerless C Series or approved equal. pump with 15-hp, 3450 rpm, 3-Phase, 208-230 volt, ODP motor. Cast iron bronze fitted construction and mechanical shaft seal, size 3" discharge, 2-1/2" suction. Motor and pump rated for 200-GPM at 65-PSI increase.

E. Panel shall be a UL listed Custom Pump & Power Rapidpak Model No. FRN025F1S-2UX VFD (FUJI), PID Loop, 230-volt, 2-pole 100-amp circuit breaker, control transformer, through door operator, and cooling fan. 110 volt control transformer for controls, Efector PA3224 transducer 4-20MA output, SS with shielded cable. Contractor to connect pump start terminal in irrigation controller (as specified).

F. Controls for 24 volt PLW start relay, relay reset and red pump button light for high temperature safety, terminal strip, and wiring documentation.

G. Temperature Switch shall be a INOV8 mounted on the pump volute to turn off for no flow safety shut down.

H. Butterfly Valve shall be two (2) Nibco GD4765 – 3" size, with grooved connection for above ground pump isolation.

I. Butterfly Valve shall be (1) Nibco GD4765-3-6" size with grooved connection for above ground bypass.

J. Galvanized system piping with grooved couplings and fittings 1-1/2" and larger.

K. Gauges shall be two (2) American Granby Liquid Filled Gauges, 160 psi, size 2-1/2", stainless steel case, for intake and outlet manifold.

L. Custom Steel Enclosure shall be model no.: 72"X54"X42" with (4) removable panel doors for service access , slanted roof, dark green color, all steel brackets and hardware, with louver vents inlet outlet located on opposite ends. The metal shall be 14-gauge equipped with stainless steel T- handle lock with number 506 key. Exhaust fan rated for 117CFM, 115-volt, with finger guard for safety, external single muffin fan hood to shield from exposure. The standard finish is two coat powder coat with dark green color.

M. Concrete Pad shall be a 78"X60"X4" thick pad. Conduits need to be plumbed inside prior to making pad. The pad needs to be level for proper closure. Allow 36" clearance in front and behind for future access. Contractor to verify power, and supply control wires from irrigation controller.

N. Testing The pump system shall be tested by the manufacturer for conformance to the flow and pressure requirements specified.

O. Maintenance. A ninety (90) day maintenance period to cover system adjustments for optimum performance shall be performed.

P. Warranty and Owner's Manual The entire pump station shall have a conditional three-year warranty from the date of delivery. The Contractor shall provide two (2) copies of owner's operating manuals with complete operational instructions and special tools for equipment to the Inspector.

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. 58 Central Irrigation Controller to Install

This item shall consist of furnishing and installing a 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 Inspector prior to the installation of the central control system.

John Deere Green Tech representative is David Fulton, phone number is 296-9495.

3. All materials except interconnect conductors shall have a five year limited warranty. The contractor shall submit proof of warranty to the City inspector 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 inspector 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 inspector 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 # ETS-SPLICE).

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. Contact John Deere Landscapes (949) 455-7465, for **Quote #1797887** for Valley Oak Park. No optional Evolution Weather Station will be required.

   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, shall be as indicated in the plans and shall include a radio communication circuit board for communicating with the central computer by means of the radio system and a flat antenna.

   e. All outdoor controller requires a fan.

   f. The satellite assembly, shall include a hard wire communication circuit board for communicating with a submaster satellite assembly, interconnected by means of hard wire.

   g. The satellite assembly (where applicable) shall include a dual flow sensing assembly with a normally open master valve as indicated in the plans.

h. The satellite assembly shall include a built-in receiver only with controller access code

i. The satellite assembly shall be covered by a five year limited warranty.

C. 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 Inspector 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 Inspector. 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.

D. 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.

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 Central Irrigation Controller as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 59 15-Gallon Trees to Install

This item shall consist of furnishing, preparing and planting 15-gallon Trees 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.

B. Weed Control shall conform to Section 35-6 of the Standard Specifications.

C. 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 Stakes: 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 15-gallon Trees to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 60 24" Box Trees to Install

This item shall consist of furnishing, preparing and planting 24" Box Trees 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.

B. Weed Control shall conform to Section 35-6 of the Standard Specifications.

C. 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 Stakes: 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 Trees to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 61 48" Box Trees to Install

This item shall consist of furnishing, preparing and planting 48" Box Trees 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.

D. Weed Control shall conform to Section 35-6 of the Standard Specifications.

E. 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 Stakes: 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 48" Box Trees to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 62 Shrub and Groundcover Areas to Install

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.

1. Mulch: shall conform to the applicable paragraphs of Section 35-6. Mulch shall be evenly spread in all shrub and groundcover areas to a three-inch (3") finished depth at the time of acceptance by the City. Mulch shall be shredded fibrous in nature, one-inch (1") minimum to four-inch (4") Maximum in length or Douglas Fir Walk on bark. Contractor shall submit a mulch sample to the Landscape Architect for approval at least forty-eight (48) hours prior to installation.

2. Landscape Fabric: shall be Fabriscape Professional Landscape Fabric, 3 ounce Spunbond or an approved equal. Tensile Strength shall be 130 lbs and shall conform to ASTM D-4632. Elongation at break shall be less than 70% and conform to ASTM D-4632 and Puncture Strength shall be a minimum of 35 lbs and conform to ASTM D-4751. The Coefficient of Permeability shall be 4x10-2 cm / second and conform to ASTM D-4491. The landscape fabric shall be secured to the prepared subgrade with 4" mulch. Installation of the landscape fabric shall be installed to cover all of the shrub and ground cover areas. The landscape fabric shall be installed as one piece and installation of landscape fabric shall not have pieces smaller than 3' x 3' square unless approved by the construction inspector. The landscape fabric shall only have holes no greater than the root ball diameter of the plant material. No landscape fabric shall be exposed upon final acceptance by the City of Sacramento.

3. Staples or Fasteners: Landscape 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.

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. 63 Landscape Weed Fabric to Place

This item shall consist of furnishing and installing landscape week 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 (800) 88809669, or dewittcompany.com.

B. Metal Anchor Pins shall be by Dewitt or approved equal. Contact DeWitt company (800) 88809669, or dewittcompany.com.

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 Fabric to Place as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 64 Bark Mulch to Install

This item shall consist of furnishing and installing a 3" layer of bark mulch in all planted areas and tree wells in conformance with Section 10 and 35 of the Standard Specifications nad 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, three inch (3") minimum to four inch (4") maximum 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.

B. Mulch shall be at a three inch (3") finished depth at time of final 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 to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 65 Headerboard to Install

This item shall consist of furnishing and installing Headerboard as shown on the plans and as specified the Special Provisions.

C. Headerboard shall be 2" x 4" x 16' length manufactured by Trex Company, Inc. or approved equal. Trex is made from a unique combination of reclaimed wood and plastic. Color shall be as indicated on the plans.

D. Stakes shall also be made of boards manufactured by Trex Company, Inc. or approved equal. Color to match headerboard.

E. Local Supplier Berco Redwood, 4560 Auburn Boulevard, Sacramento, CA 95841 (916) 483-2001

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

Item No. 66 Root Barriers to Install

This items shall consist of furnishing and installing a Root Barriers to line the perimeter of all tree wells in the picnic shelter plaza, the seat wall planter and mister area planters in conformance with the Standard Specifications and as amended by these Special Provisions.

A. Root Barrier shall be 24" high by 24" long EP panel, part number EP-2450, by NDS, Inc., or approved equal. Top edge of root barrier shall be 2" below finish grade. Bottom edge shall be 26" below finish grade. Install per manufacturer's specifications and per plans.

Manufacturer: NDS, Inc., 851 North Harvard Avenue, PO Box 339, Linsay, CA 93247, (800) 726-1994, nds@ndspro.com.

B. Submittals submit manufacturer's 6" by 6" sample of root barrier panels, with manufacturer's standard warranty, product data and installation instructions.

C. Reference
1. ASTM D 256 – Standard Test Methods of Determining the Izod Pendulum Impact Resistance of Plastics.
2. ASTM D 638 – Standard Test Method for Tensile Properties of Plastics.
3. ASTM D 785 – Standard Test Method for Rockwell Hardness of Plastics and Electrical Insulating Materials.

4. ASTM D 790 – Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.

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 Root barriers to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 67 Landscape Boulders to Place

This item shall consist of furnishing and installing Landscape Boulders at the locations shown on the plans, as specified and in conformance with these Special Provisions.

A. Landscape Boulders shall be per plans, or approved equal.

B. Placement of Boulders shall be per plans.

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 Boulders to Place, as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 68 Turf from Hydroseed to Install

This item shall consist of furnishing materials, preparing and Turf Hydroseed 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 Hydroseed shall conform to Section 10-42, and applicable paragraphs of Section 35-10 of the Standard Specifications and these Special Provisions.

1. Seed Mix: shall be per plans, applied at the rate of not less than twelve (12) lbs. of viable seed per 1,000 square feet. Seed mix shall be submitted to the Park Construction Inspector for approval. All seed shall be labeled in accordance with the California Food and Agricultural code and shall be delivered to the site in original, unopened containers and shall bear a dated guaranteed analysis.

2. Wood Fiber Mulch: shall be applied at the rate of 60 lbs. per 1,000 square feet. Wood Mulch shall be a fibrous cellulose mulch containing no growth or germination inhibiting substances, and shall be manufactured in such a manner that when thoroughly mixed with seed, fertilizer, and water, in the proportions specified, it will form a homogenous slurry, which is capable of being sprayed to form a porous mat. The fibrous mulch in its air-dry state shall contain not more than 10 percent by weight of water.

3. Fungicide: shall be applied at the rate of one-third (1/3) lbs. per 1,000 square feet.

4. Binder: shall be Am-Tac tackifier or approved equal applied at the rate as recommended by the manufacturer. Binder shall bind the fiber mulch to prevent erosion.

H. Turf Starter Fertilizer shall be applied at the rate of ten (10) lbs. per 1,000 square. Starter fertilizer shall conform to the requirements of the California Food and Agricultural Code.

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 Hydroseed as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 69 Erosion Control Hydroseed to Install

This item shall consist of furnishing materials, preparing and hydroseeding erosion control hydroseed areas as shown on the plans and in conformance with Section 10 and 35 of the Standard Specifications and as amended by 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 Erosion Control Hydroseed to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Item No. 70 Landscape Maintenance (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 Inspector and the Landscape Architect shall conduct a pre-final inspection. At the pre-final inspection or at anytime thereafter, should the Inspector 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 Inspector.

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 Landscape Maintenance (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

Add Alternate No. 1 – Tot Area Shade Canopy to Install

This item shall consist of furnishing and installing a Shade Canopy as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Shade Canopy shall be a steel frame structure with a polyester fabric canopy, hip roof, 27' x 27' as shown on the plans, manufactured by Polygon and distributed by All About Play, (916) 207-1551, or approved equal.

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. Roof Dimensions: Height of canopy shall be 24'- 9 $^3/_4$" 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 per plan.

E. Steel Columns shall be structural steel tube sized according to the manufacturer's structural engineering plans. Color shall be per plan.

F. Fabric shall be a durable synthetic fabric designed for use in tension shade products. Fabric shall provide a minimum of 95% UV protection. Color shall be per plan.

I. All Fasteners shall be as supplied and specified by the manufacturer and hidden at all connections.

J. All structural members shall be powdercoated.

K. 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 inspector 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 Landscape Architect and Inspector. Upon completion of the installation, the NPSI inspector shall provide documentation stating that the shade canopy does not interfere with the play equipment fall zones.

L. In the event that the concrete curbing or flatwork is damaged during the installation of the canopy, the contractor shall replace the concrete to its original condition at no additional expense to the City.

M. Shade Canopy Inspection the Contractor shall provide documentation from a representative of the manufacturer that the shade canopy has been installed per manufacturer's specifications. The contractor is responsible for any modifications to comply with manufacture's specifications. Upon completion of the installation, manufacturer's representative shall provide documentation that the shade canopy is installed per manufacturer's specifications. Documentation shall be provide to the project manager prior to 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 Tot Area Shade Canopy to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Add Alternate No. 2 – Adventure Area Shade Canopy to Install

This item shall consist of furnishing and installing a Shade Canopy as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Shade Canopy shall be a steel frame structure with a polyester fabric canopy, hip roof, 30' x 38' as shown on the plans, manufactured by Polygon and distributed by All About Play, (916) 207-1551, or approved equal.

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. Roof Dimensions: Height of canopy shall be 24'- 9 $^3/_4$" 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 per plan.

E. Steel Columns shall be structural steel tube sized according to the manufacturer's structural engineering plans. Color shall be per plan.

F. Fabric shall be a durable synthetic fabric designed for use in tension shade products. Fabric shall provide a minimum of 95% UV protection. Color shall be per plan.

G. All Fasteners shall be as supplied and specified by the manufacturer and hidden at all connections.

H. All structural members shall be powdercoated.

I. 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 inspector 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 Landscape Architect and Inspector. Upon completion of the installation, the NPSI inspector shall provide documentation stating that the shade canopy does not interfere with the play equipment fall zones.

J. In the event that the concrete curbing or flatwork is damaged during the installation of the canopy, the contractor shall replace the concrete to its original condition at no additional expense to the City.

K. Shade Canopy Inspection the Contractor shall provide documentation from a representative of the manufacturer that the shade canopy has been installed per manufacturer's specifications. The Contractor is responsible for any modifications to

comply with manufacturer's specifications. Upon completion of the installation, manufacturer's representative shall provide documentation that the shade canopy is installed per manufacturer's specifications. Documentation shall be provided to the project manager prior to 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 Adventure Area Shade Canopy to Install as shown on the plans, as specified in these Special Provisions and as directed by the Landscape Architect.

Add Alternate No. 3 – Ball Wall and Half Tennis Court to Construct

This item shall consist of furnishing and installing the Ball Wall and Half Tennis Court as shown on the plans in conformance with these Special Provisions and the manufacturer's specifications.

A. Wall shall be Proto-II Masonry Wall units as manufactured by Basalite 605 Industrial Way, Dixon, CA 95620, or approved equal. Color and finish per plans. Contractor shall submit engineered drawings of wall from manufacturers for review. Manufacturer's Representative is Ramona Koehler, Basalite Engineered Products, 4290 Roseville Road, North Highlands, CA 95660, (916) 971-2322 office, (916) 919-0033 cell.

B. Attachment D Valley Oak Park Ball Wall, prepared by Caruso Turley Scott Consulting Structural Engineers.

C. Attachment E Proto II Certified Installer List. The Ball Wall shall be installed by a Proto II Certified Installer from the list in Attachment E of the Specifications.

D. Portland Cement Concrete Footing shall be Class "C", conforming to Section 10-5 of the Standard Specifications.

E. Portland Cement Concrete Basketball Court Curbs shall be Type II, Class "C", conforming to Section 10-5 of the Standard Specifications.

F. Reinforcement for Basketball Court Curbs 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. Expansion Joints at Basketball Court Curb 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 joints shall be placed at 10' O.C.

H. Basketball Court Pavement shall be Type B (medium) and shall conform to Section 22 of the Standard Specifications and Section 39 of the State Standard Specifications.

I. Tack Coat shall be applied and shall be conform to Section 22-7 of the Standard Specifications.

J. Asphalt Binder shall be PG64-10 or PR64-16 and shall conform to Section 39 of the State Standard Specifications.

K. Flood Test Asphalt Pavement shall be flooded to verify proper surface drainage, identify low spots and high areas greater than 1/8" tolerance. Areas identified as being out of tolerance shall be repaired, filled to tolerant grade or removed and reinstalled.

L. Concrete Paint the Ball Wall shall be painted with two coats of concrete paint on both sides of wall. Color dark green. Contractor shall submit concrete paint submittal and color chart for approval.

M. Line Painting Contractor shall install a 2" wide white line on both sides of the Ball Wall to a 3'-0" height above grade and stripe a half tennis court on the basketball court pavement. The areas to be marked shall be taped to insure a crisp line. Lines shall be Plexicolor Line Paint by California Products Corporation, or equivalent by Flintkoke Co., Chevron Asphalt Co., or equal. Color shall be white. No oil-based paint shall be allowed. Application shall be made by brush or roller at the rate of 15-200 sf./gal.

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 Ball Wall to Construct 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:

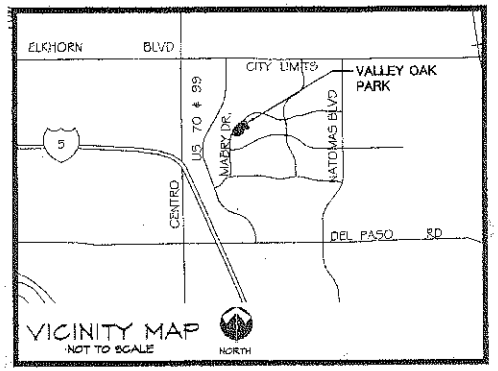
VALLEY OAK PARK

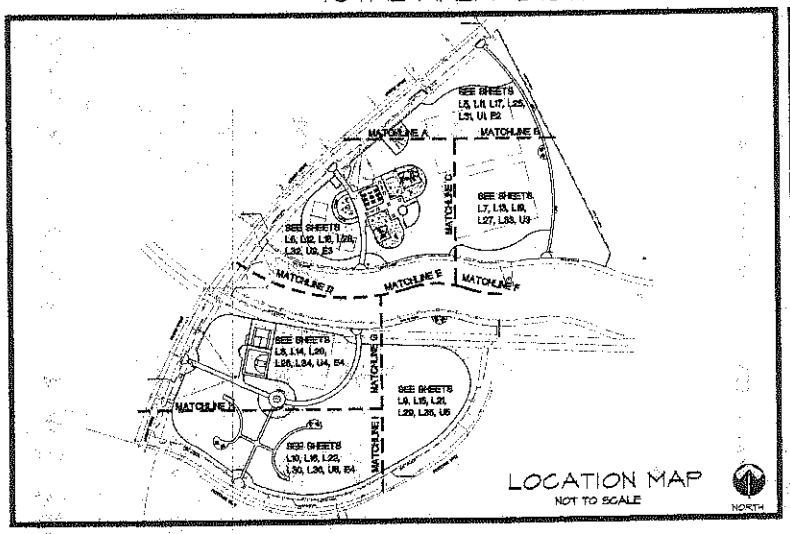
2780 MABRY DRIVE

P.N.: L19182100 WDID:

APNS: 201-1170-0110-0000, 201-0440-014-0000, 201-140-063-0000

TOTAL AREA DISTURBED: 9.24 ACRES





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 6-11 MAIN AND TRUNKLINE UTILITIES OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
5. PERMANENT SURVEY MONUMENTS:
   REFER TO SECTION 6-9 TRENCH SAFETY PLANS OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
6. HUMAN BURIAL ENCOUNTER:
   IF HUMAN BURIALS ARE ENCOUNTERED, ALL WORK IN THE AREA SHALL STOP IMMEDIATELY AND THE SACRAMENTO COUNTY CORONER'S 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 7-1 PROTECTION OF WORK, PERSONS AND PROPERTY AGAINST DAMAGE OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
9. RECORD DRAWINGS:
   REFER TO SECTION 5-6 RECORD DRAWINGS OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
10. LAWS, REGULATIONS:
    REFER TO SECTION 6-1 LAWS TO BE OBSERVED AND SECTION 6-2 LAWS TO BE 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 811 TWO WORKING DAYS PRIOR TO WORK COMMENCEMENT.

SHEET INDEX

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EROSION CONTROL PLAN	L3-L4
EXISTING CONDITIONS AND DEMOLITION PLAN	L5-L10
GRADING & DRAINAGE PLAN	L11-L16
SITE CONSTRUCTION PLAN	L17-L24
IRRIGATION PLAN	L25-L30
PLANTING PLAN	L31-L36
CONSTRUCTION DETAILS	L37-L42
SHADE SHELTER DETAILS	L43-L46
ADVENTURE AREA SHADE CANOPY DETAILS	L47-L44
TOT AREA SHADE CANOPY DETAILS	L50-L52
BALL WALL DETAILS	L53
UTILITIES PLAN	U1-U7
ELECTRICAL PLAN	E1-E5

CITY REPRESENTATIVE:

PROJECT MANAGER:
DENNIS DAY, LANDSCAPE ARCHITECT
CITY OF SACRAMENTO, PARKS PLANNING AND DEVELOPMENT,
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, THIRD FLOOR
SACRAMENTO, CA 95814
TELEPHONE: (916) 808-7633 FAX (916) 808 8266

APPROVED BY: (DATE)

JAMES L. COKER, DIRECTOR 11/21/13
DEPARTMENT OF PARKS AND RECREATION

(DATE)

C. Gary Hyden 11/22/13
C. GARY HYDEN, SUPERVISING LANDSCAPE ARCHITECT
DEPARTMENT OF PARKS AND RECREATION

(DATE)

Shannon Brown 11/4/13
SHANNON D. BROWN, PARKS MANAGER
DEPARTMENT OF PARKS AND RECREATION

PREPARED BY:

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FAX: (916) 635-9153

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WEST SACRAMENTO, CA 95691
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FAX: (916) 372-2565

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FAX: (916) 381-9180

ELECTRICAL ENGINEER
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OAKLAND, CA 94607-4102
PHONE: (510) 452-9391
FAX: (510) 452-0661

STRUCTURAL ENGINEER
BARRISH PELHAM & ASSOCIATES, INC.
3001 E STREET
SACRAMENTO, CA 95816
PHONE: (916) 418-9100
FAX: (916) 418-9101

ADD ALTERNATES:

1. TOT AREA SHADE CANOPY
2. ADVENTURE AREA SHADE CANOPY
3. BALL WALL AND HALF TENNIS COURT

811 Know what's below. Call before you dig.

CA PROJECT NO. 13,012

BID SET

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING DESIGN & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET 5TH FLOOR,
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

VALLEY OAK PARK
COVER SHEET

LANDSCAPE ARCHITECT
DY
DESIGN BY/DRAWN BY
DY/BC/JB
CAD FILE
13.012
DATE 10/28/13
SCALE AS SHOWN
CAD SCALE 1:1
P.N. L19182100
REVISIONS

SHEET NO.
L1 OF 65

GENERAL NOTES

1. DESIGN INTENT. THESE DRAWINGS REPRESENT THE GENERAL DESIGN INTENT TO BE IMPLEMENTED ON THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING CITY REPRESENTATIVE FOR ANY ADDITIONAL CLARIFICATION OR DETAILS NECESSARY TO ACCOMMODATE SITE CONDITIONS OR ARCHITECTURAL DETAILS.

2. CONTRACTORS' JOB SITE CONDITIONS. CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR SITE CONDITIONS DURING CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY AND THE LANDSCAPE ARCHITECT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OR THE LANDSCAPE ARCHITECT.

3. COMPOSITE BASE SHEET. THE PROPOSED IMPROVEMENTS SHOWN ON THESE DRAWINGS ARE SUPERIMPOSED ON A BASE SHEET. THIS BASE SHEET IS COMPILED FROM THE TOPOGRAPHIC SURVEY, OTHER ARCHITECTURAL AND/OR ENGINEERING DOCUMENTS, AND OTHER DATA AS MADE AVAILABLE TO THE LANDSCAPE ARCHITECT. THIS BASE SHEET INFORMATION IS SHOWN IN HALF TONE ON THE PLANS. THE LANDSCAPE ARCHITECT SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS, OR OTHER ERRORS ON THESE DOCUMENTS. THE COMPOSITE BASE SHEET IS PROVIDED AS AN AID ONLY AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS AND INCORPORATING/INTEGRATING ALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE SAME.

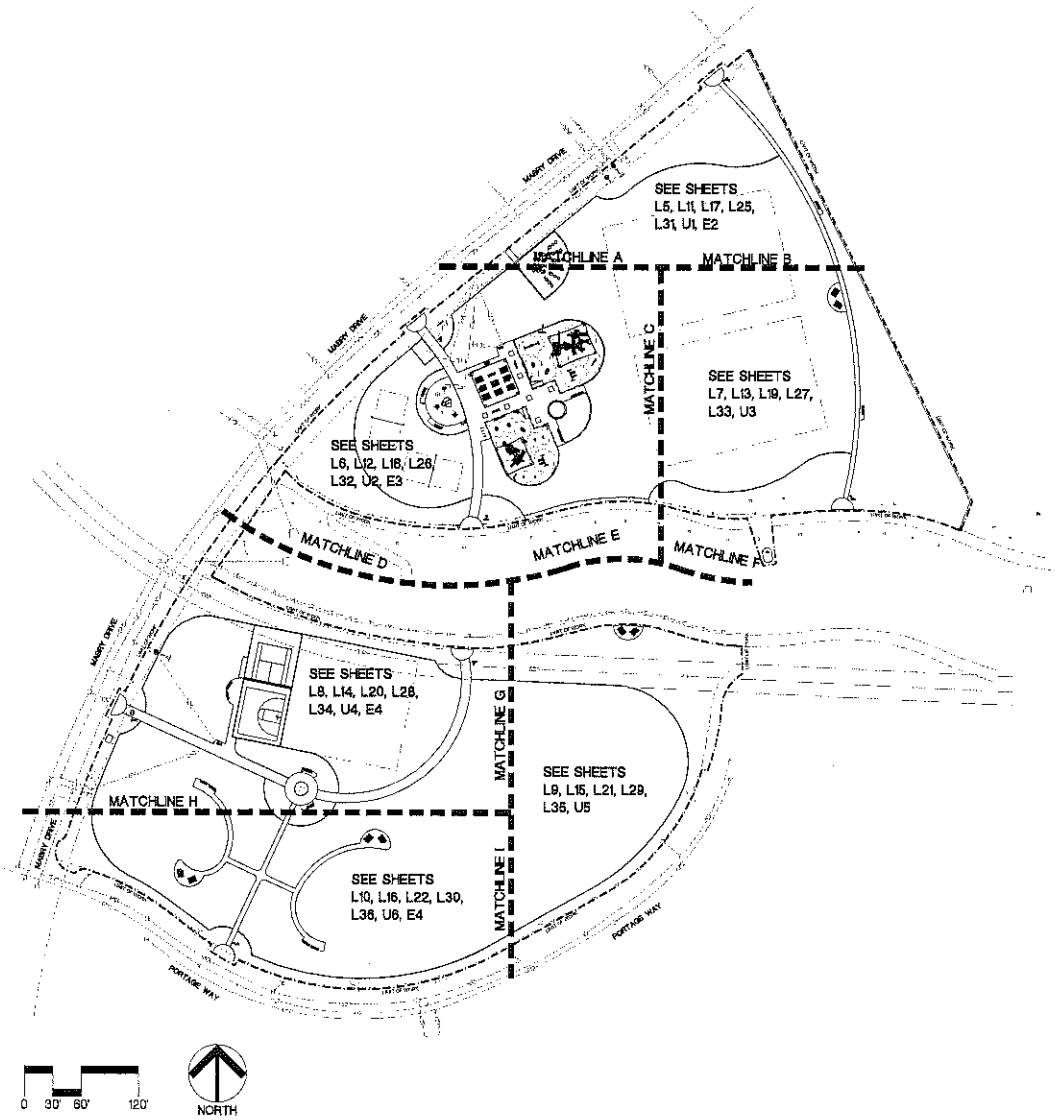
4. UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED AND REQUESTING A VISUAL VERIFICATION OF THE LOCATIONS OF THEIR UNDERGROUND FACILITIES. THE UTILITY COMPANIES ARE MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ON-CALL PROGRAM. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF THE U.S.A. 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING 811. EXCAVATION IS DEFINED AS BEING 18 OR MORE INCHES IN DEPTH BELOW THE EXISTING SURFACE.

THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATION, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. HOWEVER, THE CONSULTANT CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH ARE NOT SHOWN ON THESE DRAWINGS.

5. TREE PROTECTION AND MAINTENANCE REQUIREMENTS. ALL TRENCHING WITHIN THE DRIPLINE OF EXISTING TREES TO REMAIN SHALL BE BY HAND, WITH CARE TAKEN NOT TO CUT OR DAMAGE ROOTS OVER 1-INCH DIAMETER. TREES TO REMAIN SHALL BE FENCED WITH TEMPORARY FENCING, SUCH AS STEEL STAKES (MAX. 5 FEET O.C.) WITH WIRE MESH FABRIC (6X6 OPEN), CHAINLINK, OR SIMILAR, HEIGHT TO BE 5 FEET MINIMUM. FENCE SHALL BE PLACED AT THE DRIP LINE OF ALL EXISTING TREES.

EXISTING CONDITIONS LEGEND

BOC	BACK OF CURB
CROWN	CROWN OF ROAD
	FLOWLINE
FOC	FACE OF CURB
GB	GRADE BREAK
	LIP OF GUTTER
123.45	SPOT ELEVATION
TRE 12"	TREE CALIPER SIZE
	MANHOLE
	STORM DRAIN LINE
	SANITARY SEWER LINE
	WATER LINE
	FIRE HYDRANT
	STREET LIGHT BOX/PULL BOX
	LIGHT POLE
	LIGHT POLE PAD
	WATER VALVE
DI	DRAIN INLET
	BOLLARD
	SIGN
	POST AND CABLE FENCE
	EXISTING TREE
	PROPERTY LINE
	PUBLIC UTILITY EASEMENT



BID SET

Know what's below. Call before you dig. 811

CA PROJECT NO. 13.012

CALLANDER ASSOCIATES Landscape Architecture
3120 Fair Oaks Blvd., Suite 104
Sacramento, CA 95864
T 916.483.1711
F 916.483.2132

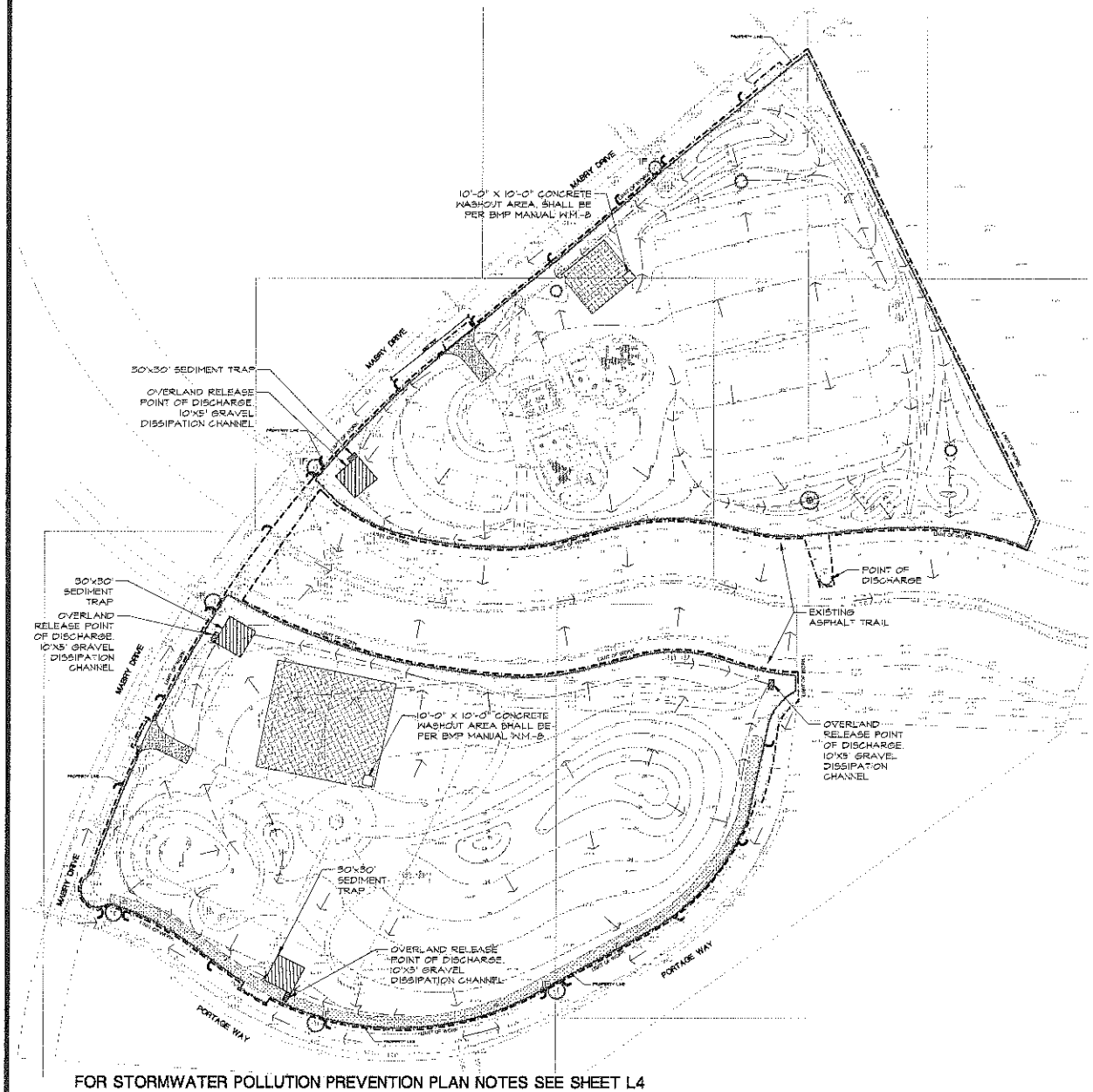
CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES

VALLEY OAK PARK
GENERAL NOTES AND KEY MAP

LANDSCAPE ARCHITECT: BK
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

SHEET NO. L2 OF 65



FOR STORMWATER POLLUTION PREVENTION PLAN NOTES SEE SHEET L4

EROSION CONTROL PLAN LEGEND

- STORM DRAIN INLET FILTER WITH GRAVEL BAGS (1/L4)
- DRAIN INLET PROTECTION, TYPE 2 (4/L4)
- LOCATION FOR STABILIZED CONSTRUCTION ENTRANCE (3/L4)
- FILTER ROLL BARRIER (2/L4)
- CONSTRUCTION STAGING AREA
- DIRECTION OF SHEET DRAINAGE
- TEMPORARY DIVERSION SWALE, GRADE TO DRAIN TO NEAREST RELEASE JOINT
- 10' WIDE EROSION CONTROL BUFFER CONSISTING OF STRAW MULCH AND TACKIFIER, PER BMP MANUAL SC-6
- SEDIMENT TRAP, SHALL BE PER BMP MANUAL SE-3, SIZE PER PLAN

0' 25' 50' 100' NORTH

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Callander Associates Landscape Architecture

CA PROJECT NO. 13.012

BID SET

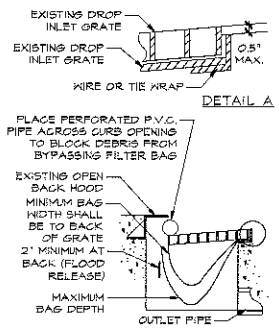
CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK
EROSION CONTROL PLAN

LANDSCAPE ARCHITECT: DW
DESIGN BY/DRAWN BY: DM/BC/LB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

SHEET NO. L3 OF 65

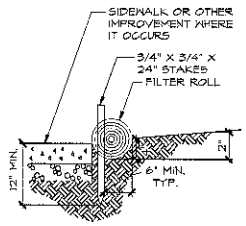


NOTES:

1. THE FILTER BAG SHALL BE MANUFACTURED FROM UV RESISTANT POLYPROPYLENE NYLON, POLYESTER, OR ETHYLENE FABRIC WITH A MINIMUM TENSILE STRENGTH OF 50 LBS PER LINEAL FOOT. AN EQUIVALENT OPENING SIZE NOT GREATER THAN A 20 SIEVE AND WITH A MINIMUM FLOW RATE OF 40GAL/SQ. FT.
2. THE FILTER BAG MAY BE SUSPENDED FROM OR HELD IN PLACE BY EXISTING INLET GRATE (OR OTHER APPROVED METHOD). PROVIDING NO MODIFICATION OR DRAINAGE SHALL BE DONE TO THE INLET GRATE OR FRAME. THE INLET GRATE SHALL NOT BE CAUSED TO REST MORE THAN 0.5" ABOVE THE INLET FRAME (SEE DETAIL A).
3. THE FILTER BAG MAY EXTEND TO THE BOTTOM OF THE INLET BOX PROVIDED THE OUTLET PIPE IS UNOBSTRUCTED
4. FLOWS SHALL NOT BE ALLOWED TO BYPASS THE BAG. THE BAG OR ITS FRAME SHALL CATCH FLOWS AT ALL SIDES OF THE INLET EXCEPT AS SHOWN FOR FLOOD RELEASE.
5. INLET FILTER BAGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL DURING THE WET SEASON AND MONTHLY DURING THE DRY SEASON. SEDIMENT AND DEBRIS SHALL BE REMOVED BEFORE ACCUMULATIONS HAVE REACHED ONE THIRD THE DEPTH OF THE BAG. BAGS SHALL BE REPAIRED OR REPLACED AS SOON AS DAMAGE OCCURS.

1 / L4 STORM DRAIN INLET FILTER
SECTION

N.T.S.
13012_DRAIN INLET FILTER.dwg

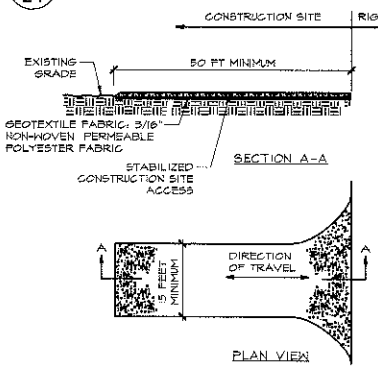


NOTES:

1. FILTER ROLL BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE CITY REPRESENTATIVE.
2. FILTER ROLL (8" TO 12" DIAMETER) SHALL BE PLACED INTO THE KEY TRENCH AND STAKES ON BOTH SIDES OF THE ROLL WITHIN 6 FEET OF EACH END AND THEN EVERY 3' TO 4'. STAKES SHALL BE DRIVEN IN ON ALTERNATING SIDES OF THE ROLL. ADJACENT ROLLS SHALL TIGHTLY ABUT.
3. CLEAR SUBGRADE TO REMOVE ALL LOCAL DEVIATIONS AND LARGE STONES OR DEBRIS THAT WILL INHIBIT CONTACT OF THE FILTER ROLL WITH THE SUBGRADE.
4. PRIOR TO ROLL INSTALLATION, CONSTRUCT A CONCAVE TRENCH 2 INCHES DEEP ALONG THE PROPOSED INSTALLATION ROUTE. FILTER ROLL SHALL BE INSTALLED WHERE INDICATED ON PLANS. THE BOTTOM EDGE OF THE FIBER ROLL SHALL EXTEND TO AND ACROSS THE BOTTOM OF THE TRENCH. THE TRENCH SHALL BE BACKFILLED TO 4 INCHES ABOVE GROUND AND COMPACTED TO BURY AND SECURE THE BOTTOM OF THE FILTER ROLL.
5. CONTRACTOR SHALL MAKE INSPECTIONS WEEKLY DURING THE WET SEASON, MONTHLY DURING THE DRY SEASON AND IMMEDIATELY AFTER EACH RAINFALL TO DETERMINE IF REPAIRS AND SEDIMENT REMOVAL IS REQUIRED. SEDIMENT SHALL BE REMOVED BEFORE IT HAS REACHED ONE THIRD THE HEIGHT OF THE FILTER ROLL BARRIER.

2 / L4 FILTER ROLL BARRIER
SECTION

N.T.S.
13012_FILTER ROLL BARRIER.dwg

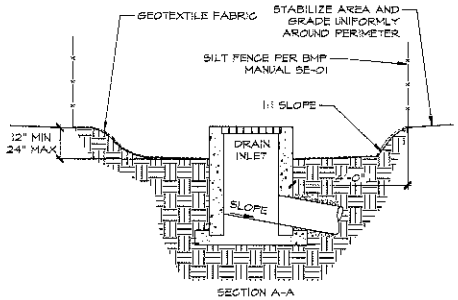


NOTE:

1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 5" TO 6" WASHED, WELL-GRADED GRAVEL OR CRUSHED 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.

3 / L4 STABILIZED CONSTRUCTION ENTRANCE
SECTION/ PLAN

N.T.S.
13012_STABILIZED ENTRANCE.dwg



NOTE:

1. STORM DRAIN INLET PROTECTION SEE BMP MANUAL SE-10
2. REMOVE SEDIMENT BEFORE REACHING ONE THIRD FULL

NOTES:

1. FOR USE IN CLEARED AND GRUBBED AND IN GRADED AREAS.
2. SHAPE BASIN SO THAT LONGEST IN FLOW AREA FACES LONGEST LENGTH OF TRAP.
3. FOR CONCENTRATED FLOWS, SHAPE BASIN IN 2:1 RATIO WITH LENGTH ORIENTED TOWARDS DIRECTION OF FLOW.

4 / L4 DRAIN INLET PROTECTION, TYPE 2
PLAN

0 1 2' 4'
13012_CATCH BASIN FILTER.dwg

0 1 2' 4'
13012_CATCH BASIN FILTER.dwg

STORMWATER POLLUTION PREVENTION PLAN NOTES

1. CONSTRUCTION ACTIVITIES ON SITE SHALL COMPLY WITH THE STATE OF CALIFORNIA, STATE WATER RESOURCE CONTROL BOARD GENERAL CONSTRUCTION ACTIVITY STORM WATER PERMIT (ORDER NO. 2010-0014-DWQ), HERE AFTER REFERRED TO AS GENERAL PERMIT, AND COMPLY WITH THE SPECIFIC CONDITIONS DEPICTED ON THE PLAN AND SPECIFICATIONS. FOR THIS PROJECT, A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN PREPARED PER THE REQUIREMENTS OF THE GENERAL PERMIT. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THESE DOCUMENTS AT THE DIRECTION OF THE CITY QUALIFIED STORM WATER DEVELOPER (QSD) AND QUALIFIED STORM WATER PRACTITIONER (QSP).
2. THE CITY HAS OBTAINED COVERAGE UNDER THE GENERAL PERMIT AND A NOTICE OF INTENT (NOI) IS ASSIGNED TO THIS PROJECT. THE SITE IS A RISK LEVEL 2 DETERMINATION.
3. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL INSTALL PERIMETER CONTROLS, CONSTRUCTION ENTRANCE AND DRAIN INLET PROTECTION. THESE CONTROLS SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. IN ADDITION, THE CONTRACTOR SHALL INSTALL THE BEST MANAGEMENT PRACTICES (BMP'S) AS OUTLINED IN THE SWPPP. IF THE CONTRACTOR CHOOSES TO DEVIATE FROM THE BMP'S, THE APPROVAL SHALL BE OBTAINED BY THE QSP PRIOR TO INSTALLATION. IF THE CONTRACTOR DOES NOT GET APPROVAL TO DEVIATE FROM THE BMP'S THEN THE CONTRACTOR SHALL ADJUST THE BMP'S AT THE QSP DISCRETION AND SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
4. SANITATION FACILITIES SHALL HAVE A SECONDARY CONTAINMENT TO KEEP POLLUTANTS OUT OF STORM WATER DRAINAGE SYSTEM OR RECEIVING WATERS. THE SECOND CONTAINMENT AREA SHALL BE KEPT CLEAN AND INSPECTED ON A MINIMUM OF A WEEKLY BASIS AND BEFORE A PRECIPITATION EVENT.
5. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO ANTICIPATED FIELD CONDITIONS. MINOR VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD BY THE QSP AND MAJOR CHANGES SHALL BE MADE TO THE PLAN BY THE QSD. ALL CHANGES SHALL BE RECORDED IN THE SWPPP AND ON THE SEDIMENT AND EROSION CONTROL PLANS.
6. STOCK PILES SHALL BE COVERED AND DISCONTINUE THE APPLICATION OF ANY ERODIBLE LANDSCAPE MATERIAL, TWO DAYS PRIOR TO PERIODS OF PRECIPITATION.
7. CONTRACTOR SHALL INSURE ALL STAFF AND ALL SUBCONTRACTOR STAFF HAS TRAINING ON STORM WATER POLLUTION PREVENTION. ALL STAFF / SUBCONTRACTORS SHALL BE FAMILIAR WITH BMP'S WHICH PERTAIN TO THIS PROJECT. ANY PERSONS NOT FAMILIAR WITH THE BMP'S SHALL BE TRAINED BY THE QSP PRIOR TO ENTERING THE SITE.
8. RUN-ON SHALL BE DIRECTED AWAY FROM ALL DISTURBED AREAS. IF THE RUN-ON IS NOT ABLE TO BE DIRECTED AWAY FROM THE DISTURBED AREA THEN IT SHALL BE TESTED BY THE QSP, TO MAKE SURE THAT IT IS WITHIN COMPLIANCE WITH THE EFFLUENT LIMITATIONS IN THE GENERAL PERMIT.
9. DISTURBED AREAS THAT HAVE NOT HAD ANY CONSTRUCTION ACTIVITY WITHIN 14 CALENDAR DAYS SHALL BE STABILIZED. IF A RAIN EVENT IS PREDICTED THEN THE CONTRACTOR SHALL STABILIZE THESE "NON-ACTIVE" AREAS SOONER AND THEY WILL BE STABILIZED 48 HOURS PRIOR TO THE RAIN EVENT. THIS INCLUDES STOCK PILES.

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11140 Sun Center Drive, Suite 194
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(916)851-1113
(916)851-9118

CA PROJECT NO. 13.012

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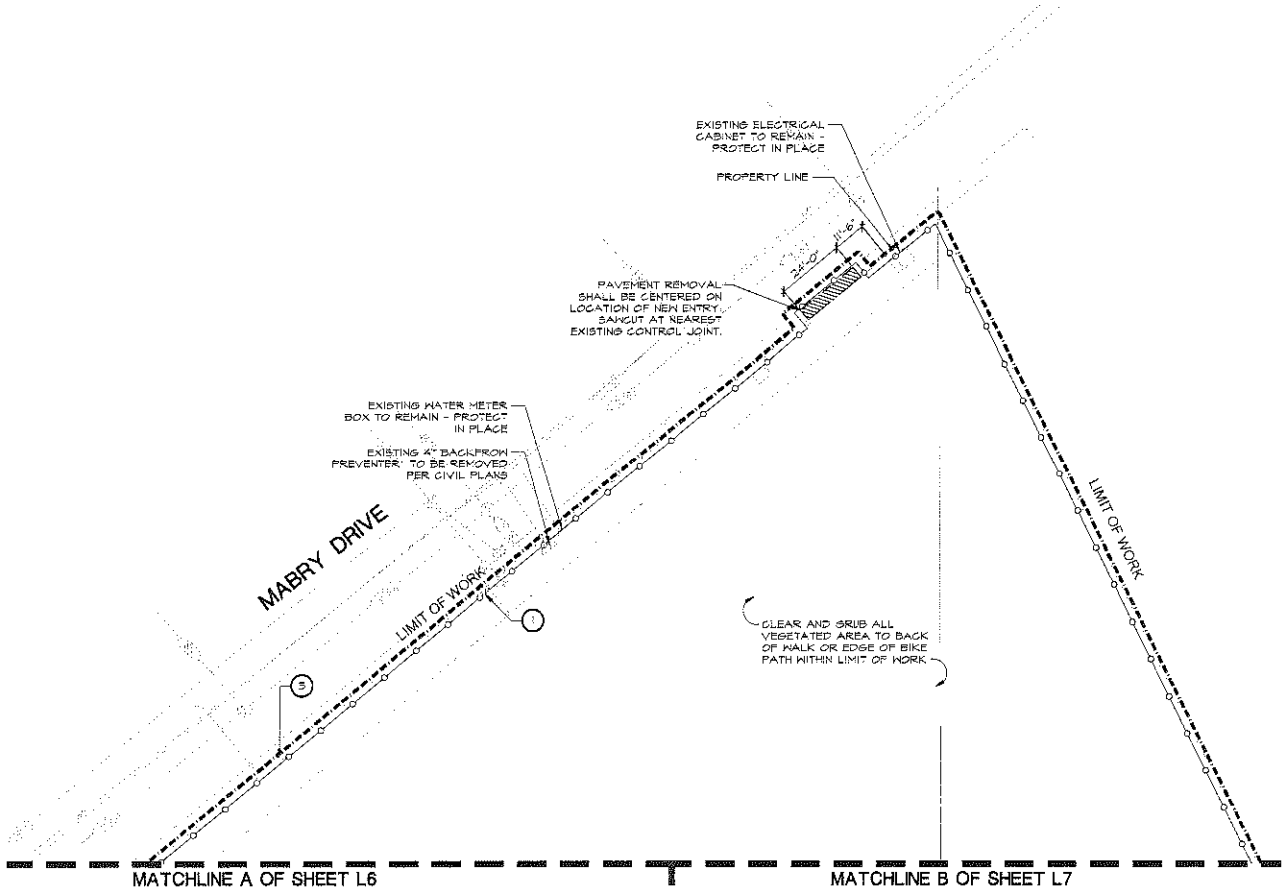
CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

VALLEY OAK PARK
EROSION CONTROL PLAN

LANDSCAPE ARCHITECT: BK
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/11/12
SCALE: AS SHOWN
CAD SCALE: 1:1
F.N.: L191B2100
REVISIONS

SHEET NO. L4 OF 65



DEMOLITION LEGEND

- REMOVE AND DISPOSE OF EXISTING CONRETE PAVEMENT. ASSUME 4 INCH DEPTH TOTAL.
- REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT
- CONSTRUCTION FENCING, PER SPECS.
- REMOVE AND DISPOSE OF EXISTING POST AND CABLE FENCE.
- SAWCUT
- T.R. TO REMAIN
- T.B.R. TO BE REMOVED

DEMOLITION KEY

1. EXISTING SIGN TO REMAIN - PROTECT IN PLACE
2. EXISTING LIGHT POLE TO REMAIN - PROTECT IN PLACE
3. EXISTING LIGHT POLE CONCRETE PAD TO REMAIN - PROTECT IN PLACE
4. EXISTING BIKEWAY TO REMAIN - PROTECT IN PLACE
5. EXISTING TREE TO REMAIN - PROTECT IN PLACE
6. CONTRACTOR TO REMOVE EXISTING POSTS, WITHIN 20' TO THE EAST AND WEST FROM THE CENTER OF PROPOSED ENTRY SHOWN IN SITE CONSTRUCTION PLAN. CABLE TO REMAIN. REFER TO SITE CONSTRUCTION PLAN FOR INSTALLATION OF NEW TERMINAL POSTS AND MODIFICATIONS TO EXISTING CABLE.
7. REMOVE ASPHALT PAVEMENT AS REQUIRED TO TRENCH FOR IRRIGATION MAINLINE AND ELECTRICAL CONDUIT CROSSING OR DRAIN LINE CROSSING.

DEMOLITION NOTES

1. CLEAR AND GRUB: CONTRACTOR SHALL CLEAR AND GRUB EXISTING VEGETATION, UNLESS OTHERWISE INDICATED, AS REQUIRED FOR THE SITE CONSTRUCTION, IRRIGATION, AND PLANTING OPERATIONS. LIMITS OF CLEARING SHALL BE REVIEWED WITH CITY REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK. STRIP ALL ORGANIC MATTER TO A SUFFICIENT DEPTH TO COMPLETELY REMOVE SUCH MATERIAL.
2. SAWCUTTING: ALL PAVEMENT AND CURB REMOVAL AS SHOWN ON THE PLAN SHALL BE ACCOMPLISHED BY SAWCUTTING. SAWCUTS SHALL BE NEAT AND CLEAN AND SHALL PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING FEATURES.
3. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT 811 TWO (2) WORKING DAYS BEFORE WORK IS TO BEGIN. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND IS RESPONSIBLE FOR THEIR PROTECTION. RESTORATION OF DAMAGED UTILITIES SHALL BE MADE AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT DRAWINGS FOR ALL UNDERGROUND WORK THROUGHOUT THE COURSE OF CONSTRUCTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND FURNISH AND MAINTAIN TEMPORARY SIGNS, BARRICADES AND OTHER FACILITIES TO ADEQUATELY SAFEGUARD THE GENERAL PUBLIC AND WORK, AND TO PROVIDE FOR THE PROPER ROUTING OF PEDESTRIAN TRAFFIC. CONSTRUCTION OPERATIONS SHALL COMPLY WITH THE WORK AREA AND TRAFFIC CONTROL HANDBOOK (W.A.T.C.H.).
6. ALL EXISTING TREES, NOT DESIGNATED TO BE REMOVED, SHALL BE PRESERVED, AND SHALL BE FULLY PROTECTED FROM INJURY OR DAMAGE BY THE CONTRACTOR AT HIS EXPENSE. THE CONTRACTOR SHALL NOT ALLOW STAGING OF CONSTRUCTION MATERIALS OR PARKING OF EQUIPMENT AND VEHICLES WITHIN A TREE DRIP LINE.
7. THE CONTRACTOR SHALL COORDINATE A MEETING WITH THE CONSTRUCTION INSPECTOR TO REVIEW EXISTING CONDITIONS. THE INSPECTOR AND CONTRACTOR SHALL MARK EXISTING CRACKED AND DAMAGED HARDSCAPE WORK AND TAKE EXISTING CONDITIONS PHOTOS PRIOR TO THE START OF CONSTRUCTION.
8. ALL EXISITING ITEMS ON THE SITE ARE TO BE PROTECTED AND REMAIN IN PLACE UNLESS NOTED OTHERWISE. ALL DAMAGE CAUSED BY THE CONTRACTOR DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE CITY.
9. CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS RELATING TO THE PROJECT PRIOR TO BUILDING THE PROJECT. REPORT ALL DISCREPANCIES OR INACCURACIES TO THE CITY.

0 10' 20' 40'

NORTH

811 Know what's below. Call before you dig.

CA PROJECT NO. 13.012

KEY MAP

Callander Associates Landscape Architecture
11282 Pyrites Way, Suite 100
Rancho Cordova, CA 95670
916.852.8193
FAX 916.852.8195

BID SET

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814.

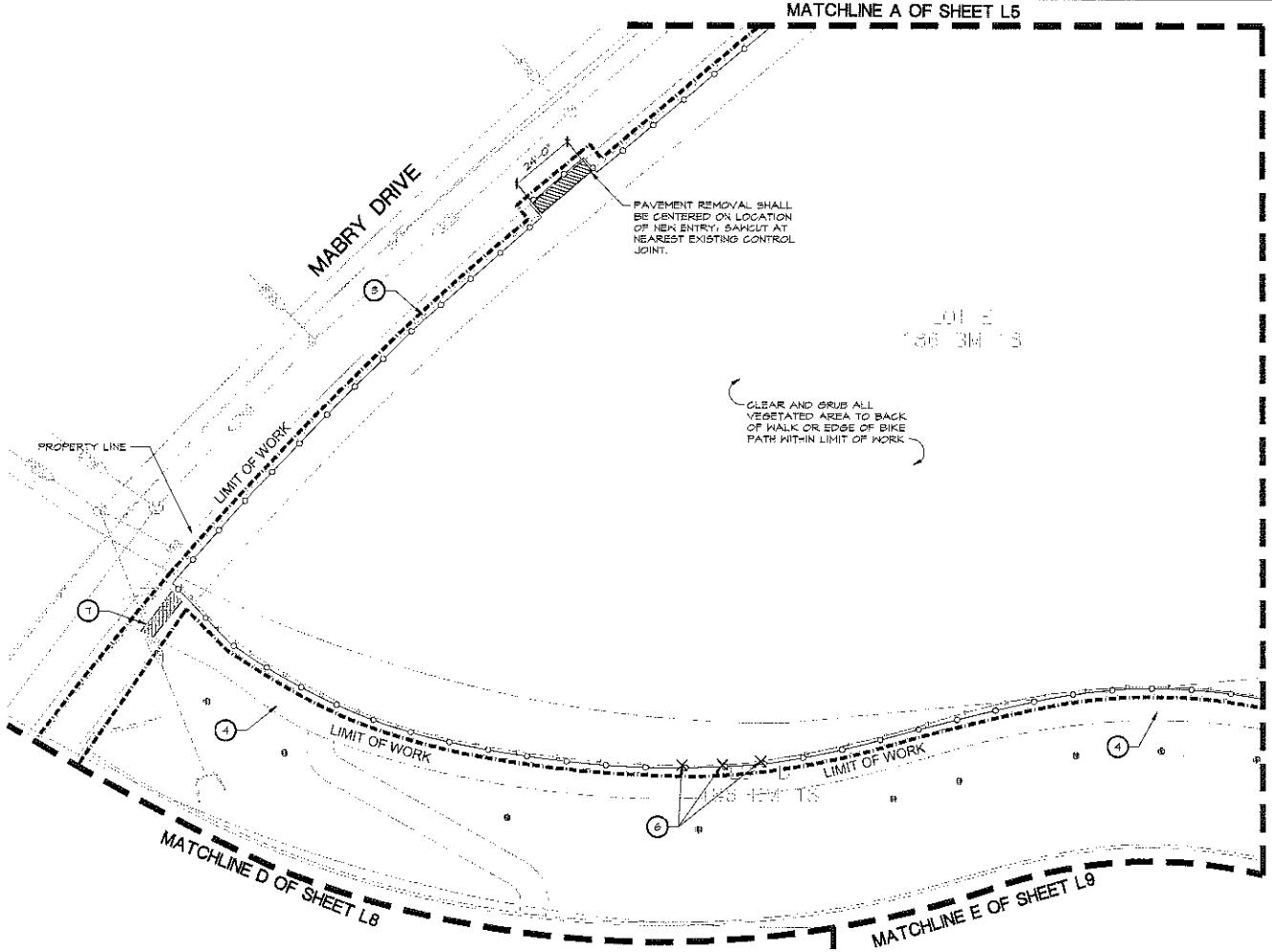
DEPARTMENT OF PARKS AND RECREATION

VALLEY OAK PARK - P.N.

VALLEY OAK PARK
EXISTING CONDITIONS AND DEMOLITION PLAN

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: BM/BC/LB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L18.82.00
REVISIONS:

SHEET NO. L5 OF 65



FOR EXISTING CONDITIONS LEGEND SEE SHEET L2
FOR DEMOLITION LEGEND AND NOTES SEE SHEET L5

0 10' 20' 40'

NORTH

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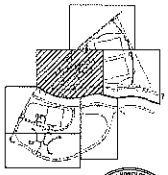

KEY MAP

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PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK
EXISTING CONDITIONS AND DEMOLITION PLAN

LANDSCAPE ARCHITECT: BN
DESIGN BY/DRAWN BY: DM/BC/JB
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REVISIONS

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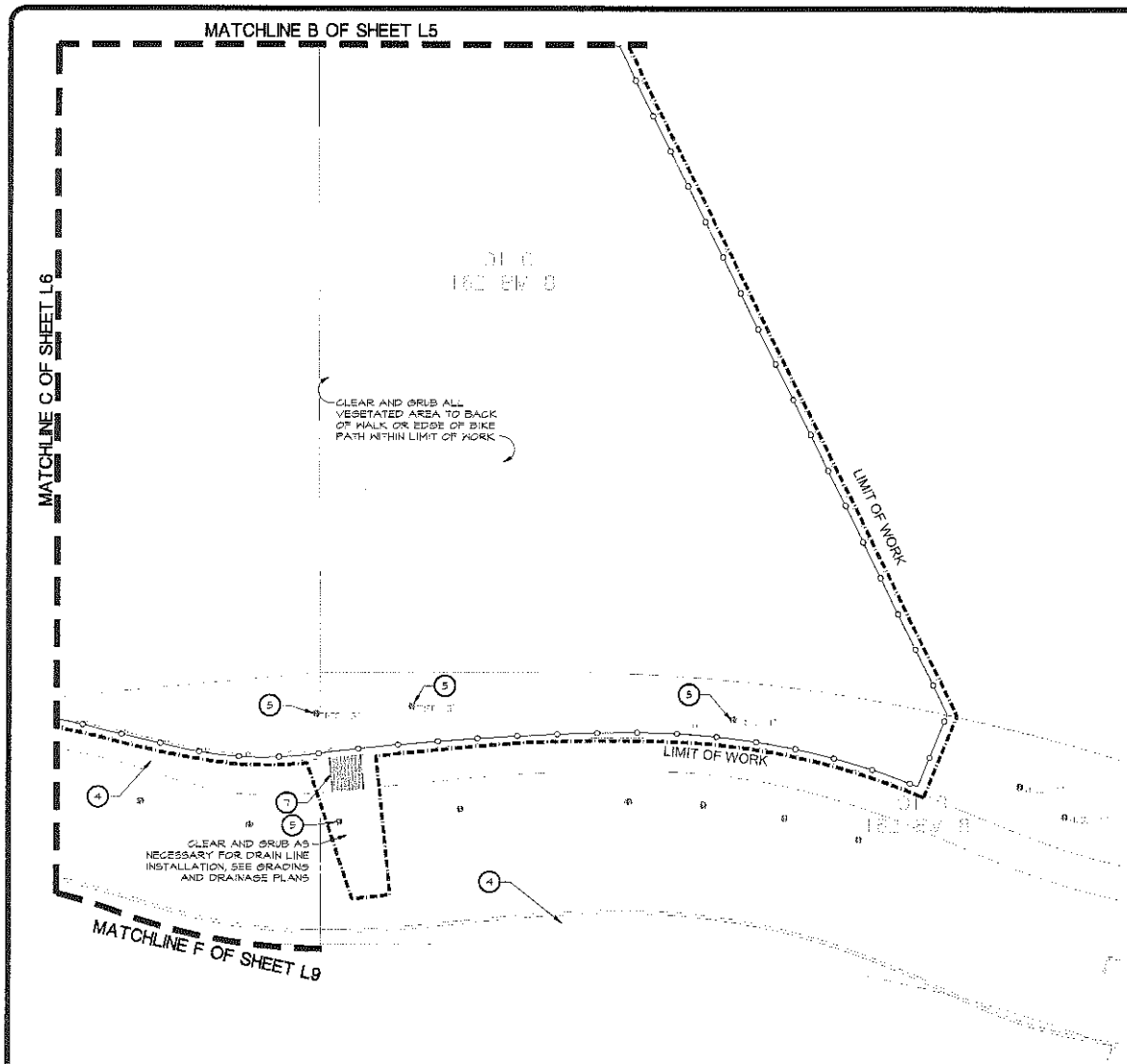
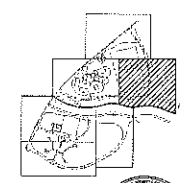


FOR EXISTING CONDITIONS LEGEND SEE SHEET L2
FOR DEMOLITION LEGEND AND NOTES SEE SHEET L5

BID SET



KEY MAP

0 10' 20' 40'

NORTH

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VALLEY OAK PARK - P.N.

VALLEY OAK PARK
EXISTING CONDITIONS AND DEMOLITION PLAN

LANDSCAPE ARCHITECT: BH
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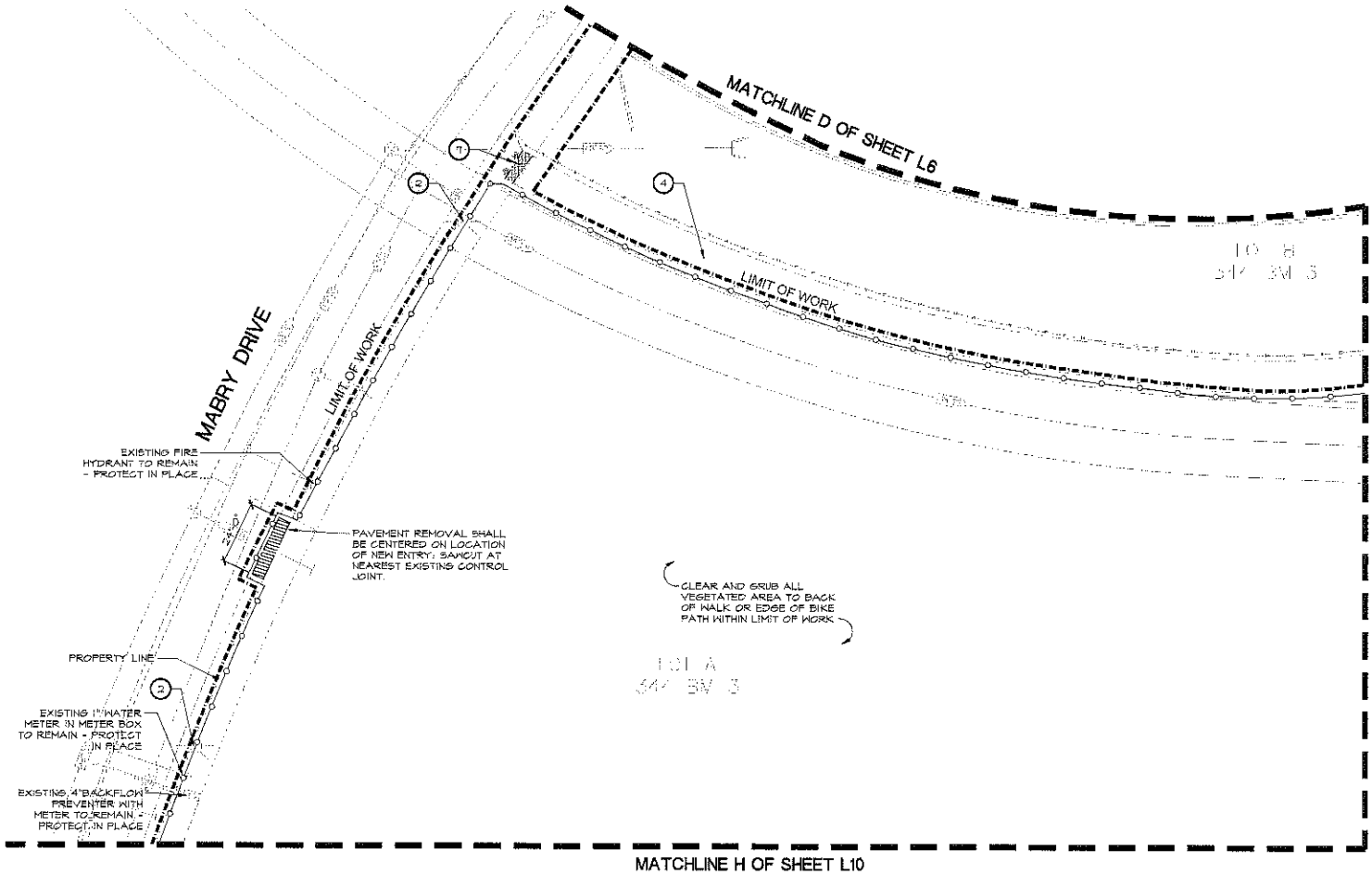
REVISIONS

SHEET NO. L7 OF 65



FOR EXISTING CONDITIONS LEGEND SEE SHEET L2
FOR DEMOLITION LEGEND AND NOTES SEE SHEET L5

0 10' 20' 40'

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VALLEY OAK PARK - P.N.

VALLEY OAK PARK
EXISTING CONDITIONS AND DEMOLITION PLAN

LANDSCAPE ARCHITECT: BH
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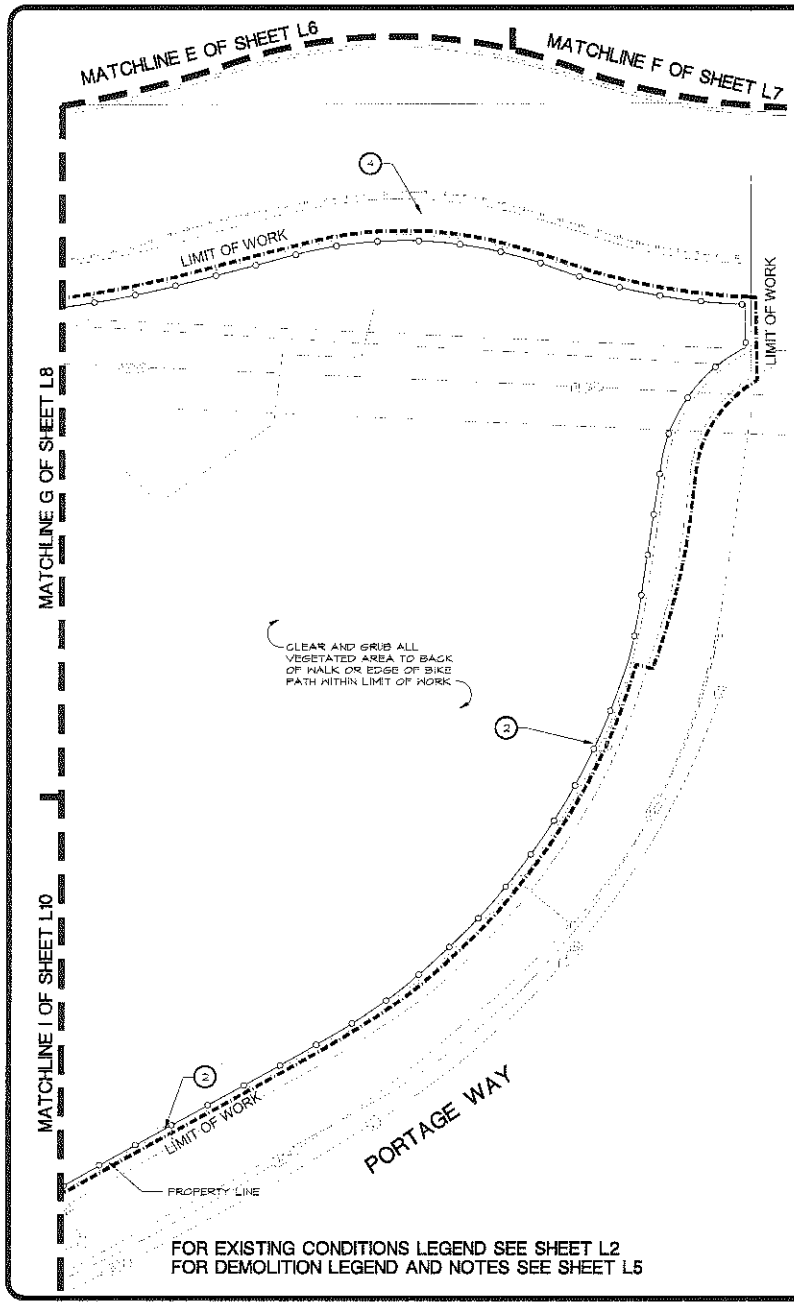
P.N.: L19182100
REVISIONS

SHEET NO. L8 OF 65



FOR EXISTING CONDITIONS LEGEND SEE SHEET L2
FOR DEMOLITION LEGEND AND NOTES SEE SHEET L5

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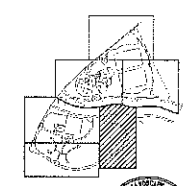

KEY MAP

0 10' 20' 40'

NORTH

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Calander Associates Landscape Architecture

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VALLEY OAK PARK - P.N.

VALLEY OAK PARK
EXISTING CONDITIONS AND DEMOLITION PLAN

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DY/BC/JB
CAD FILE: 13.012
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P.N.: LP182100
REVISIONS

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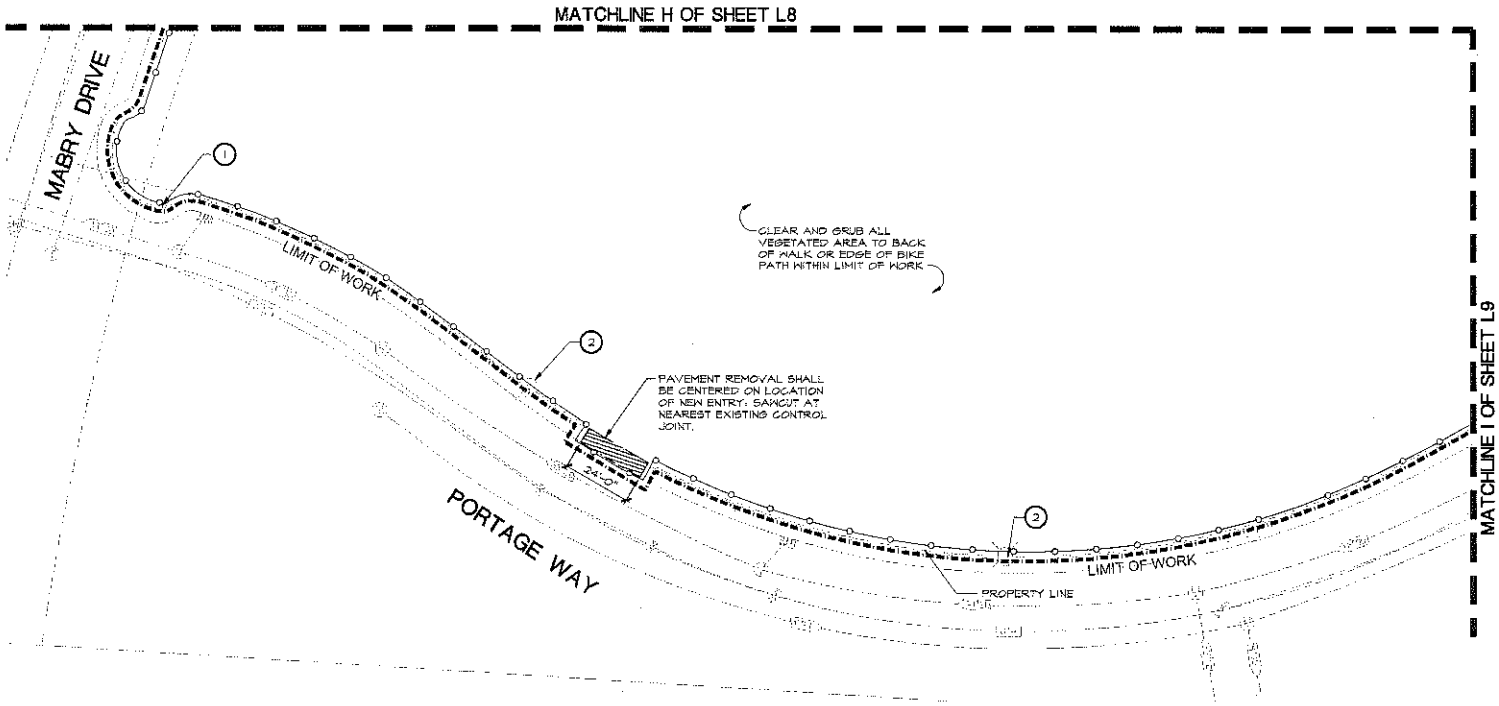

BID SET

FOR EXISTING CONDITIONS LEGEND SEE SHEET L2
FOR DEMOLITION LEGEND AND NOTES SEE SHEET L5

0 10' 20' 40'

NORTH

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KEY MAP

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VALLEY OAK PARK - P.N.

VALLEY OAK PARK
EXISTING CONDITIONS AND DEMOLITION PLAN

LANDSCAPE ARCHITECT: PH
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/1/15
SCALE: AS SHOWN
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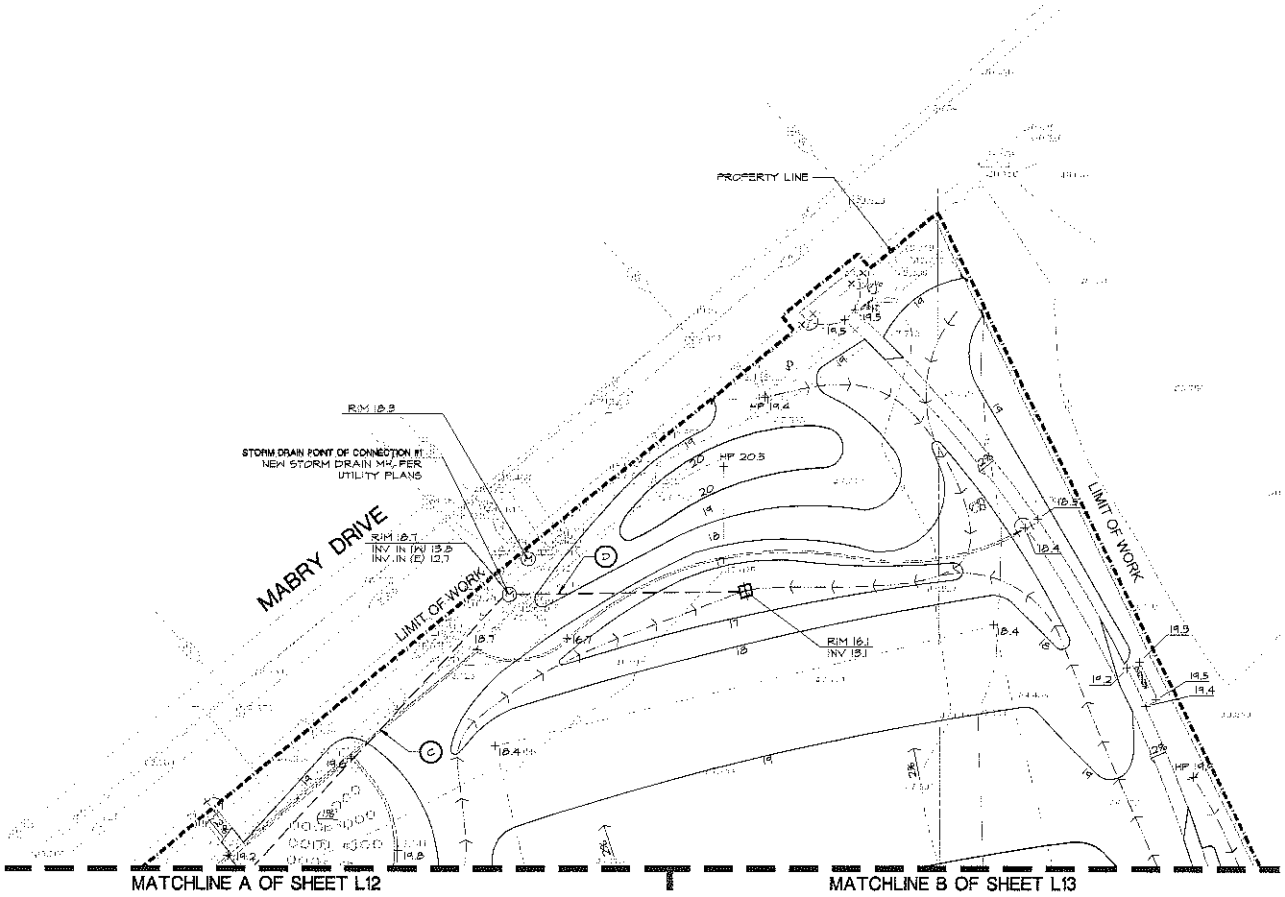
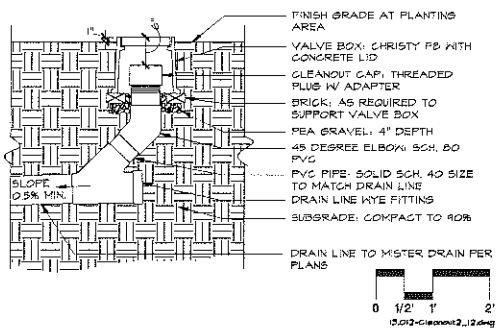
P.N.: L19182100
REVISIONS

SHEET NO. L10 OF 65





GRADING AND DRAINAGE LEGEND

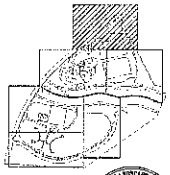
- 19 — PROPOSED CONTOUR: 1'-0" INTERVAL TYP. (EXISTING CONTOURS ARE SCREENED ON PLAN)
- +63.5 — PROPOSED SPOT ELEVATION (EXISTING SPOT ELEVATIONS ARE SCREENED ON PLAN)
- CATCH BASIN, SEE SPECS (1/L7)
- PLAY AREA DRAIN, SEE SPECS (2/L7)
- MISTER AREA PLAIN DRAIN, INCLUDED W/ MISTER EQUIPMENT PACKAGE (6/L7)
- MISTER AREA ACTIVATOR DRAIN, INCLUDED W/ MISTER EQUIPMENT PACKAGE (7/L7)
- MANHOLE , PER UTILITY PLANS
- CO — MISTER AREA CLEANOUT (11/L7)
- FLARED END SECTION (FES) (3/L7)
- DRAIN LINE: PVC, SIZE PER DRAINLINE SCHEDULE, SEE SPECS
- SS — SEWER DRAIN LINE, 4" SDR PIPE, SLOPE 1% MIN.
- 2% — DIRECTION AND SLOPE PERCENT OF SHEET DRAINAGE
- SWALE
- RIM 27.0 / INV 21.0 — RIM ELEVATION AT PROPOSED DRAINAGE STRUCTURE / INVERT ELEVATION AT PROPOSED DRAINAGE STRUCTURE
- FLUSH CONDITION
- HP — HIGH POINT
- TW — TOP OF WALL
- BW — BOTTOM OF WALL
- TC — TOP OF CURB
- BC — BOTTOM OF CURB
- D — DRAINLINE PIPE CALLOUT, SEE DRAINLINE SCHEDULE, THIS SHEET.

GRADING AND DRAINAGE NOTES

1. GRADING AND DRAINAGE: ALL PROPOSED PAVING, CURBS, WALLS, AND PLANTING AREAS SHALL SMOOTHLY CONFORM TO EXISTING ADJACENT FEATURES TO REMAIN. PROVIDE POSITIVE DRAINAGE ON ALL PAVING AND THROUGHOUT ALL PLANTING AREAS. CONTRACTOR SHALL FLOOD PAVED AREAS UPON COMPLETION AND RECONSTRUCT ANY LOW SPOTS AS DIRECTED. SLOPE PAVING 4.9% MAXIMUM WITH A CROSS SLOPE OF 1% MINIMUM TO 2% MAXIMUM.
2. BACKFILL: EXCAVATED MATERIAL NOT SUITABLE FOR BACKFILLING SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE.
3. GRADING: CONTRACTOR SHALL PERFORM ALL EARTHWORK AND GRADING PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
4. PLAY AREA SUBGRADE: CONTRACTOR SHALL GRADE PROPOSED PLAY AREA SUBGRADE TO SLOPE AT 1% MINIMUM TOWARD PLAY AREA CATCH BASIN.
5. BALANCE CUT/FILL: THE INTENT OF THE PLANS IS THAT THE SITE BALANCES WITH NO NET IMPORT OR EXPORT OF FILL. ANY DISCREPANCIES SHALL BE RESOLVED PER SPECS.
6. TOPOGRAPHIC INFORMATION FROM AUTOCAD DRAWING TITLED ACAD2004-VALLEY OAK PARK.DWG DATED JUNE 2007 AS PROVIDED BY THE CITY OF SACRAMENTO.

DRAINLINE SCHEDULE

PIPE	DIAM	SLOPE	LENGTH
A	8"	0.6%	96'
B	10"	0.6%	84'
C	10"	0.5%	148'
D	12"	0.5%	81'
E	8"	0.5%	148'
F	12"	0.3%	74'
G	8"	0.5%	54'
H	10"	0.5%	58'
I	10"	1.0%	120'



KEY MAP

0 10' 20' 40'

NORTH

811 Know what's below. Call before you dig.

Callander Associates Landscape Architecture
1330 Broadway Street, Suite 1011
Sacramento, CA 95818
T 916.448.1703
F 916.448.1704

CA PROJECT NO. 13.012

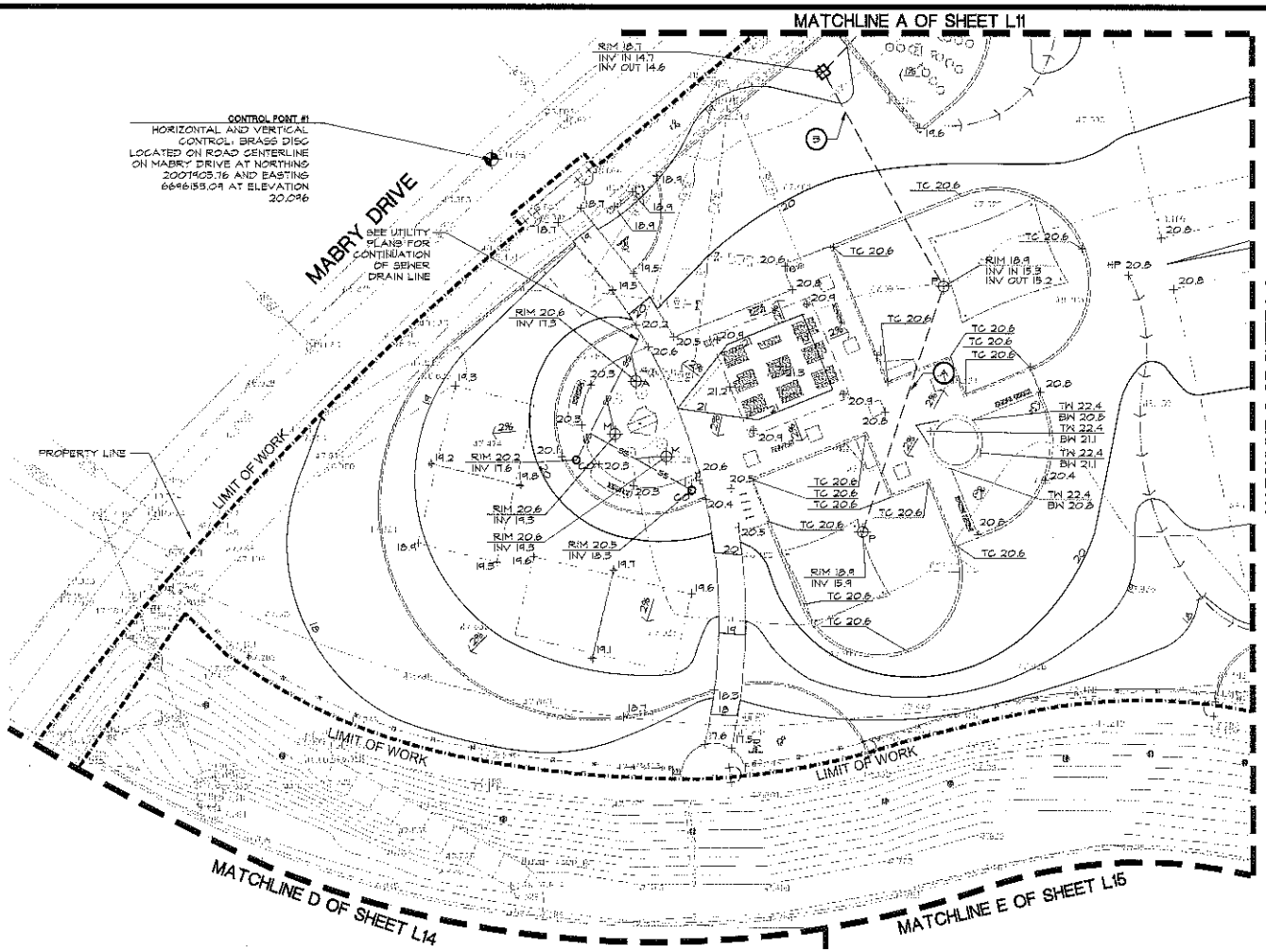
BID SET

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

VALLEY OAK PARK
GRADING AND DRAINAGE PLAN

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BG/JB
CAD FILE: 13.012
DATE: 12/1/12
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N. L19182'00
REVISIONS

SHEET NO. L11 OF 65



FOR GRADING AND DRAINAGE LEGEND AND NOTES SEE SHEET L11

0 10' 20' 40'

NORTH

Know what's below. Call before you dig. 811

Callander Associates Landscape Architecture
1110 Rio Dosa Drive, Suite 104
Roseville, CA 95661
916.660.1755
916.660.1761

CA PROJECT NO. 13.012

KEY MAP

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CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
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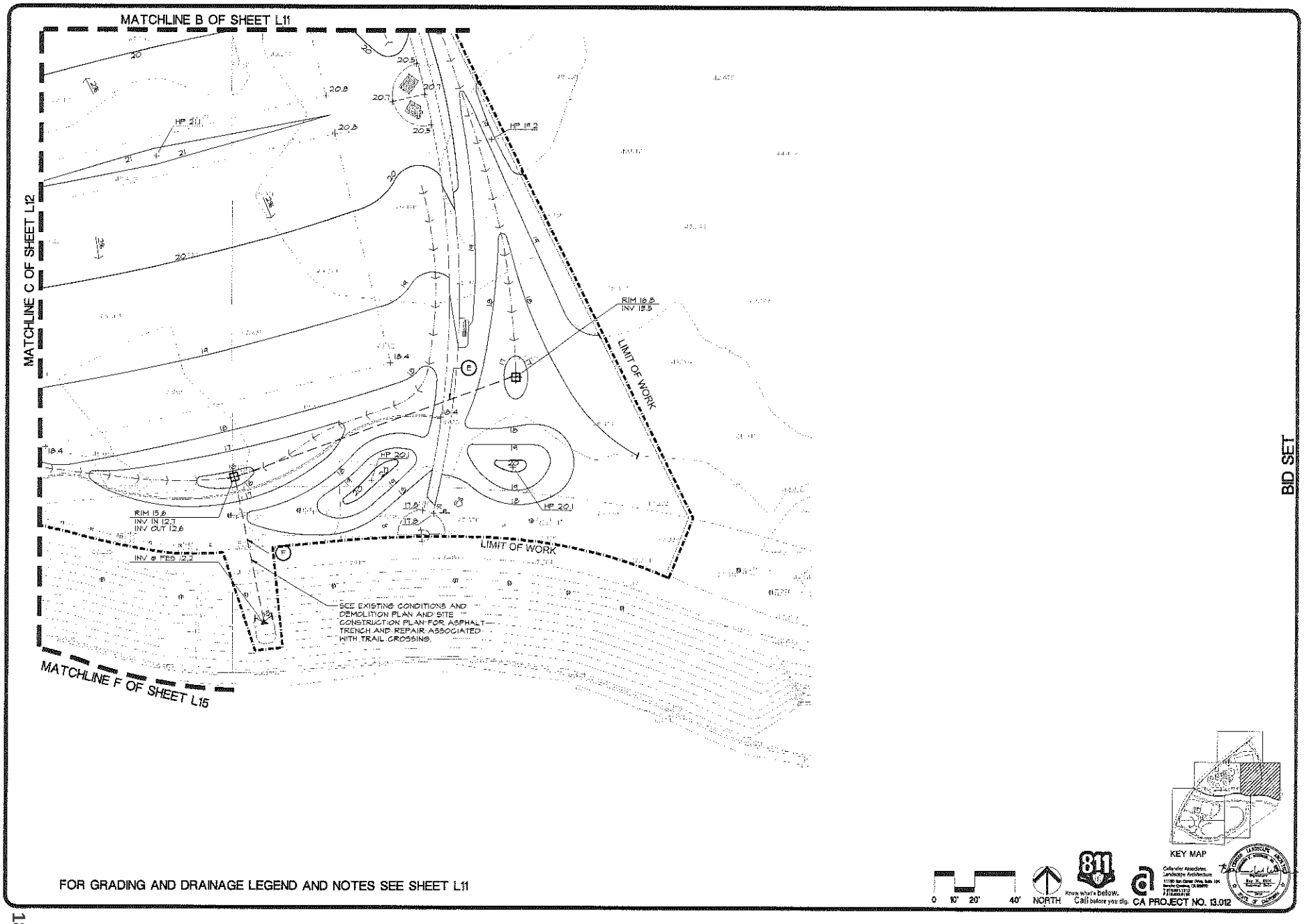
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK GRADING AND DRAINAGE PLAN

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/1/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19102100
REVISIONS

SHEET NO. L12 OF 65



FOR GRADING AND DRAINAGE LEGEND AND NOTES SEE SHEET L11

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PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N

VALLEY OAK PARK GRADING AND DRAINAGE PLAN

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
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SCALE: AS SHOWN
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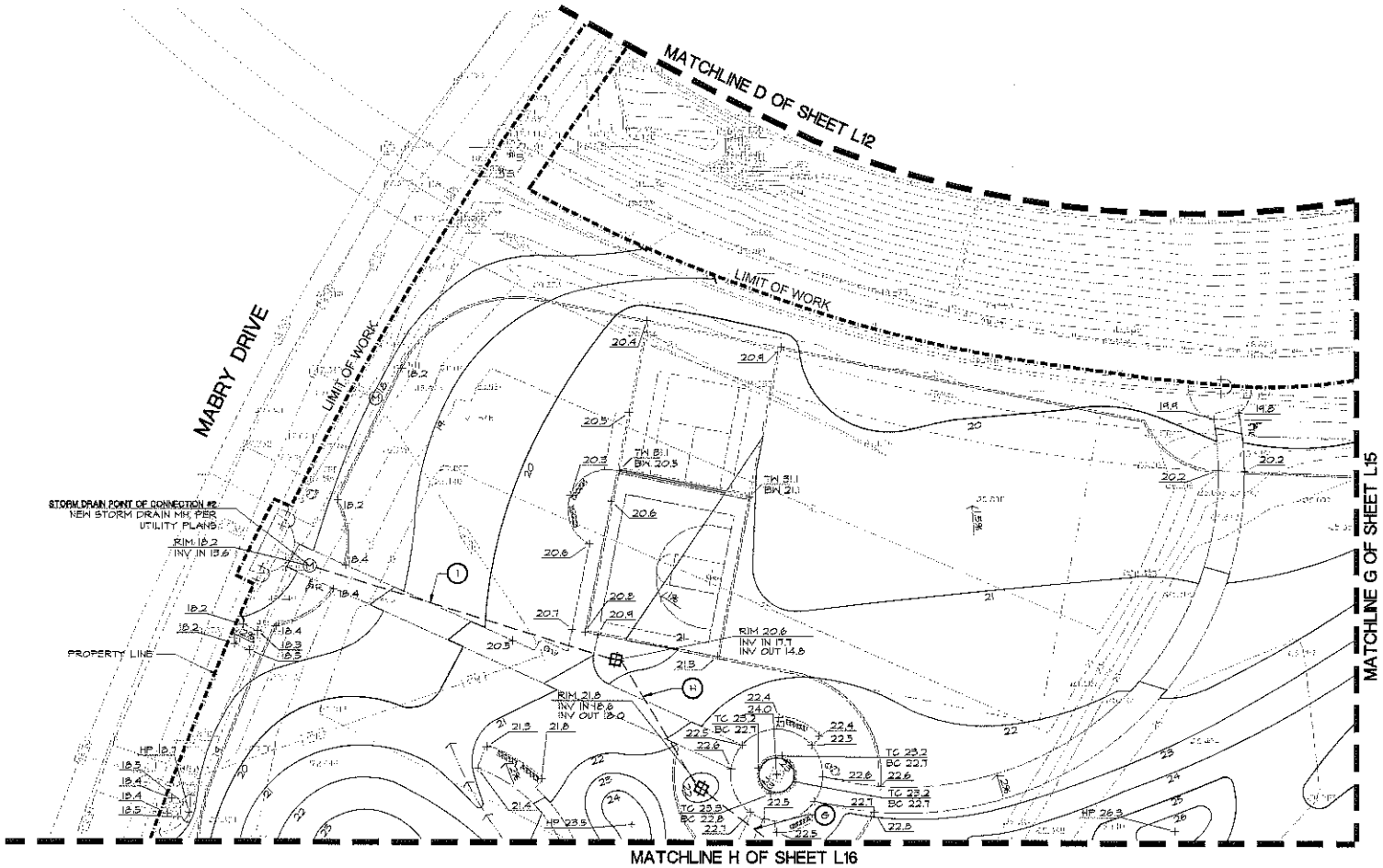
P.N.: L19182100
REVISIONS

SHEET NO. L13 OF 65



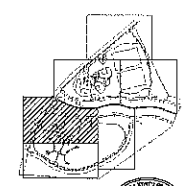
FOR GRADING AND DRAINAGE LEGEND AND NOTES SEE SHEET L11

0 10' 20' 40'

NORTH

811 Know what's below. Call before you dig.

CA PROJECT NO. 13.012



KEY MAP

Calendar Associates
Landscape Architecture

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LANDSCAPE ARCHITECTURE SECTION
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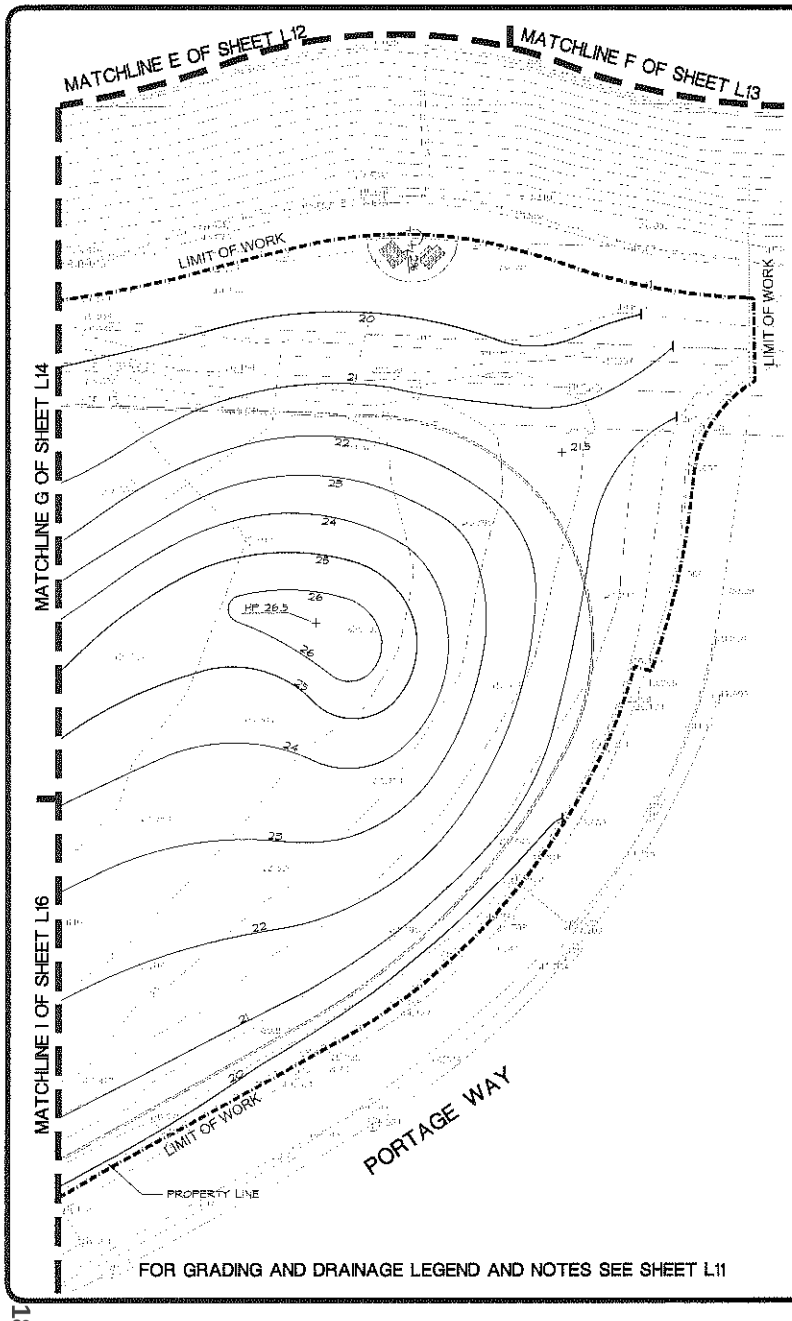
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

VALLEY OAK PARK
GRADING AND DRAINAGE PLAN

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

SHEET NO. L14 OF 65



FOR GRADING AND DRAINAGE LEGEND AND NOTES SEE SHEET L11

BID SET

KEY MAP

0 10' 20' 40'

NORTH

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915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK GRADING AND DRAINAGE PLAN

LANDSCAPE ARCHITECT: BN

DESIGN BY/DRAWN BY: DM/BC/JB

CAD FILE: 13.012

DATE: 12/11/13

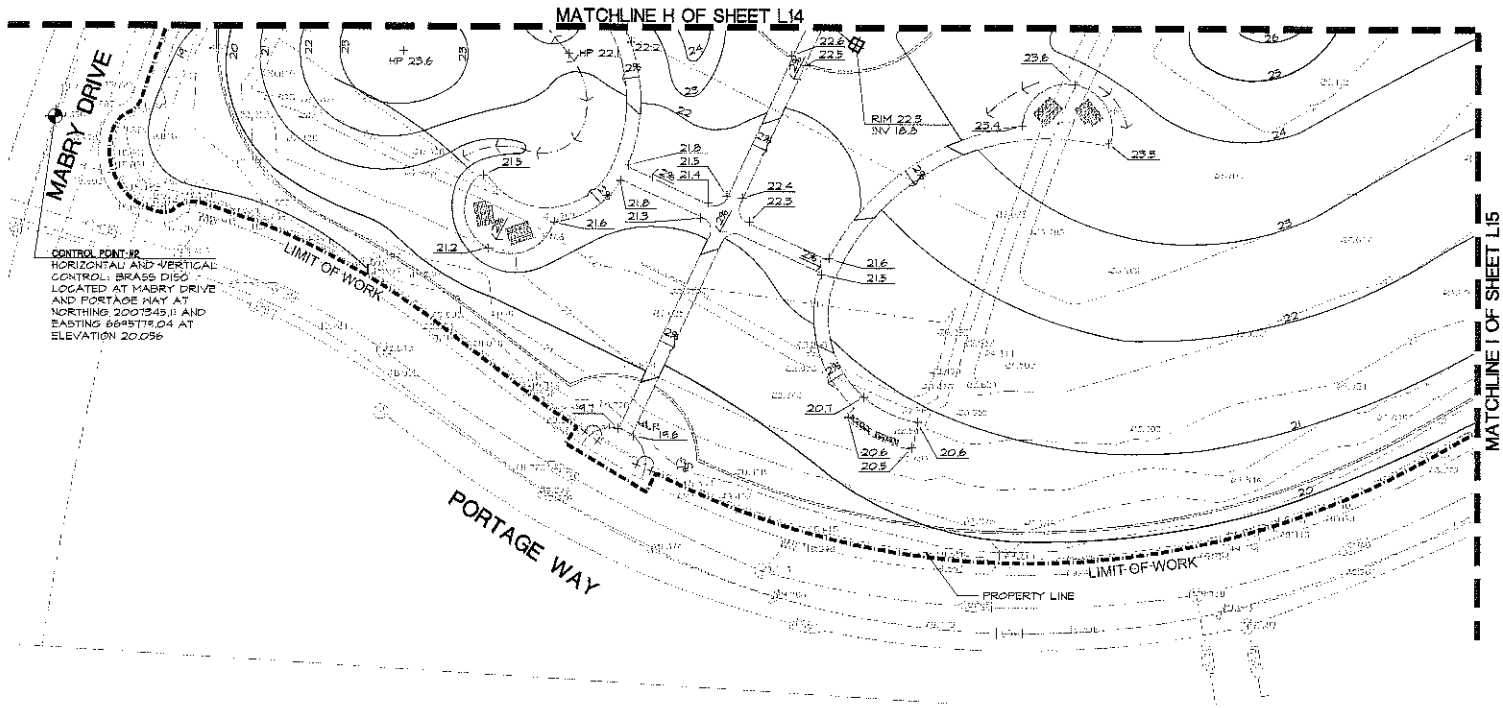
SCALE: AS SHOWN

CAD SCALE: 1:1

P.N.: L19182100

REVISIONS

SHEET NO. L15 OF 65



FOR GRADING AND DRAINAGE LEGEND AND NOTES SEE SHEET L11

0 10' 20' 40'

NORTH

Know what's below. Call before you dig. 811

CA PROJECT NO. 13.012

KEY MAP

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PARKS AND RECREATION DEPARTMENT
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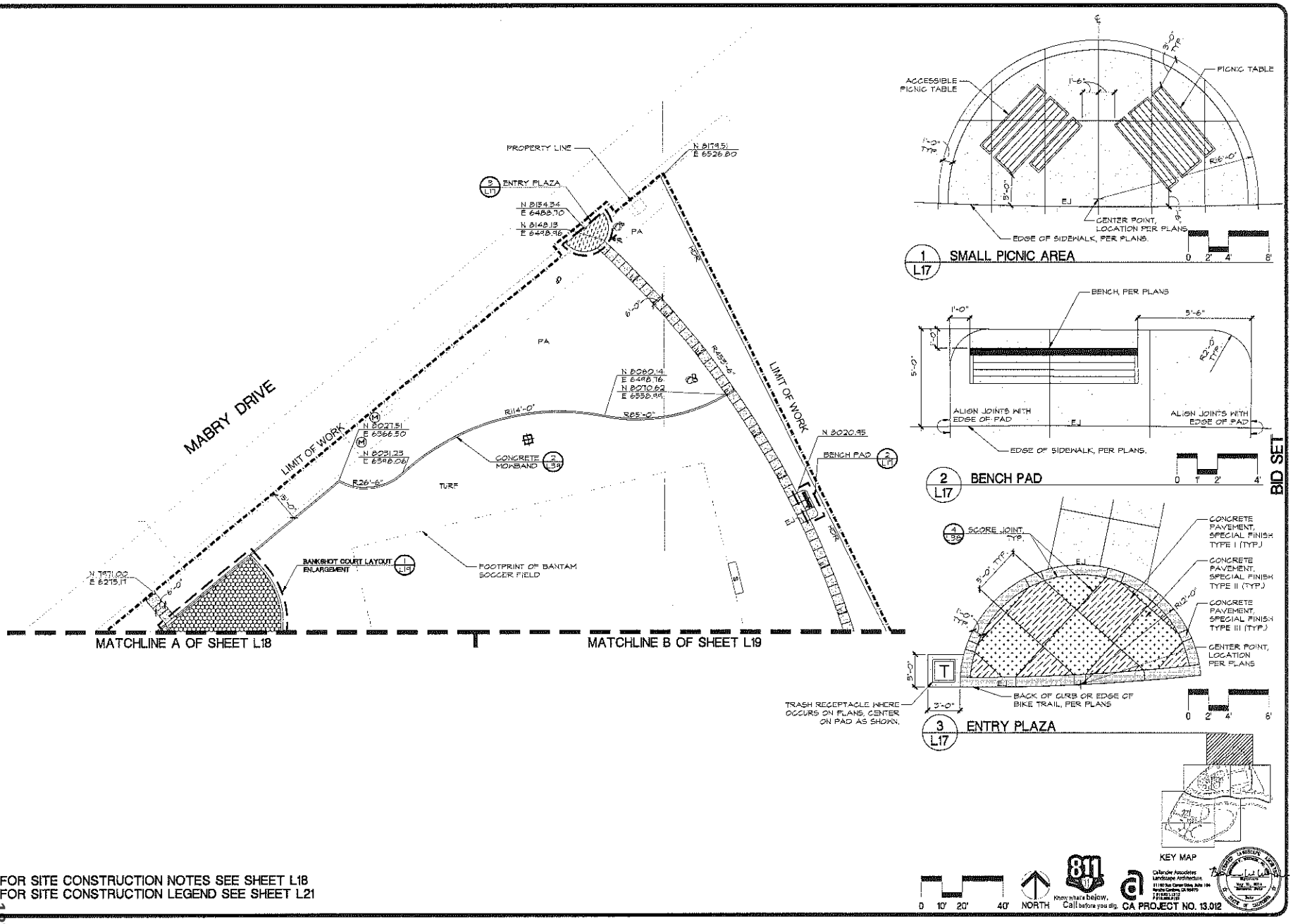
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK GRADING AND DRAINAGE PLAN

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BG/JB
CAD FILE: 13.012
DATE: 12/1/12
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

SHEET NO. L16 OF 65



FOR SITE CONSTRUCTION NOTES SEE SHEET L18
FOR SITE CONSTRUCTION LEGEND SEE SHEET L21

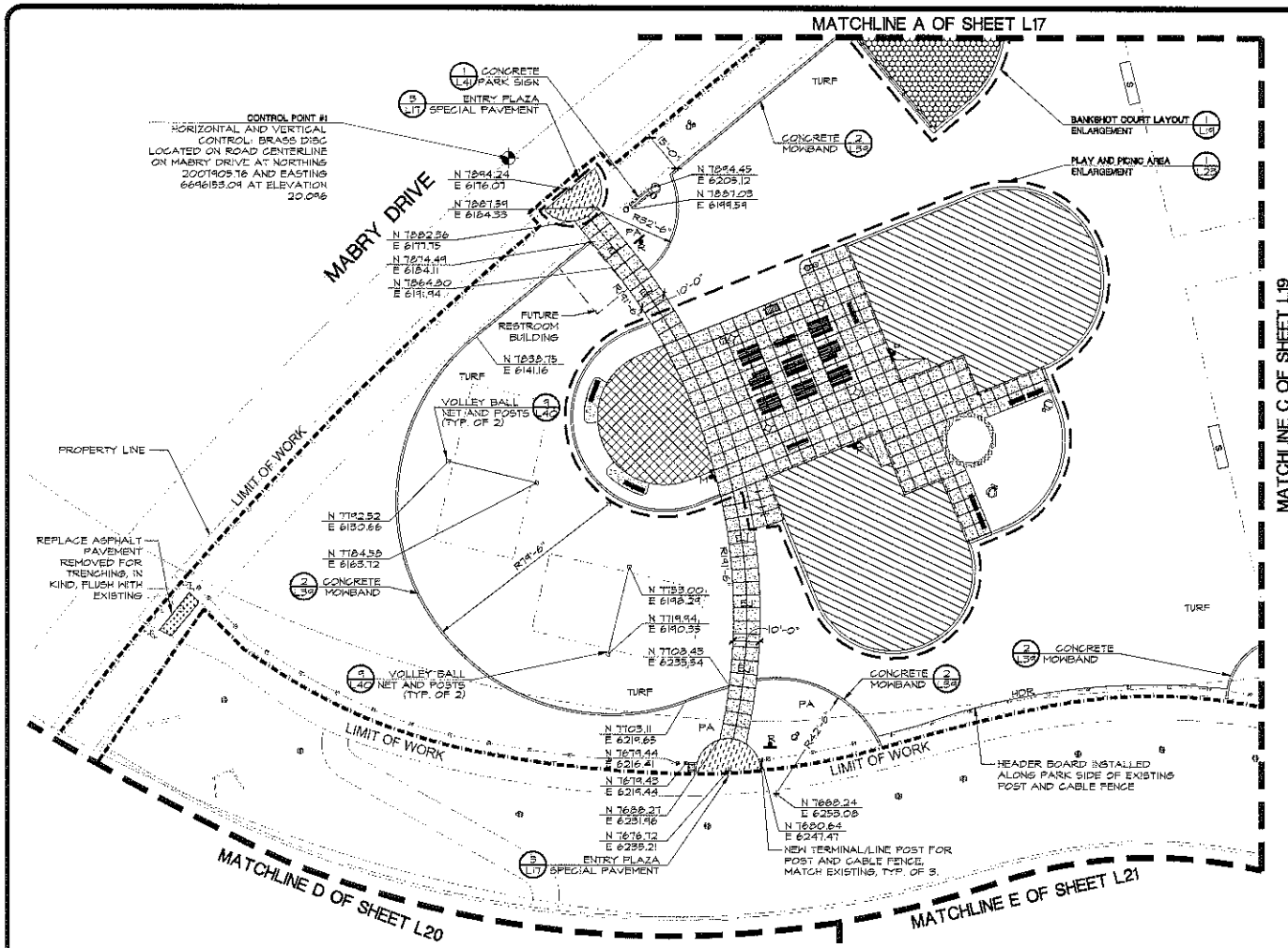
BID SET

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

VALLEY OAK PARK
SITE CONSTRUCTION PLAN

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BG/JB
CAD FILE: 13.012
DATE: 12/1/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L1182.00
REVISIONS

SHEET NO. L17 OF 65



SITE CONSTRUCTION STANDARD NOTES

1. ALL DIMENSIONS ARE TO EDGE OF CONCRETE FLATWORK, FACE OF CURB OR CENTER POINT OF RADIUS.
2. EXPANSION JOINTS AND 1" DEEP SCORE LINES SHALL BE PLACED AS SHOWN ON THE PLAN.
3. NEW CONCRETE FLATWORK SHALL MEET GRADE OF EXISTING CONCRETE FLATWORK.
4. CONCRETE PADS SHALL BE SLOPED PER GRADING PLAN

SITE CONSTRUCTION NOTES

1. DIMENSIONS. ALL WRITTEN DIMENSIONS SUPERSEDE SCALED DIMENSIONS.
2. EXPANSION JOINTS. INSTALL EXPANSION JOINTS AS SHOWN ON DRAWINGS, AS WELL AS BETWEEN CONCRETE FLATWORK AND WALLS, CURBS, AND EXISTING FLATWORK OR STRUCTURES.
3. SLEEVING. REFER TO IRRIGATION PLAN FOR REQUIREMENTS OF SLEEVING UNDER PAVEMENT.
4. PROJECT STAKING. ALL PROPOSED SITE FEATURES SHALL BE STAKED IN FIELD FOR REVIEW BY THE CITY INSPECTOR PRIOR TO CONSTRUCTION. ALL CURVES SHALL BE SMOOTH AND CONTINUOUS WITH CAREFULLY MATCHED TANGENTS.
5. HORIZONTAL AND VERTICAL CONTROL:
   CONTROL POINT #1 IS A BRASS DISC LOCATED ON ROAD CENTERLINE ON MABRY DRIVE AT NORTHING 2007905.76 AND EASTING 6696153.09 AT ELEVATION 20.096

   CONTROL POINT #2 IS A BRASS DISC LOCATED AT MABRY DRIVE AND PORTAGE WAY AT NORTHING 2007345.11 AND EASTING 6695774.04 AT ELEVATION 20.056

BID SET

FOR SITE CONSTRUCTION LEGEND SEE SHEET L21

0 10' 20' 40' NORTH

Know what's below. Call before you dig. 811

CA PROJECT NO. 13.012

KEY MAP

Callander Associates Landscape Architecture

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK PLANNING, DESIGN & DEVELOPMENT
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915 I STREET, 5TH FLOOR
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK
SITE CONSTRUCTION PLAN

LANDSCAPE ARCHITECT: BK
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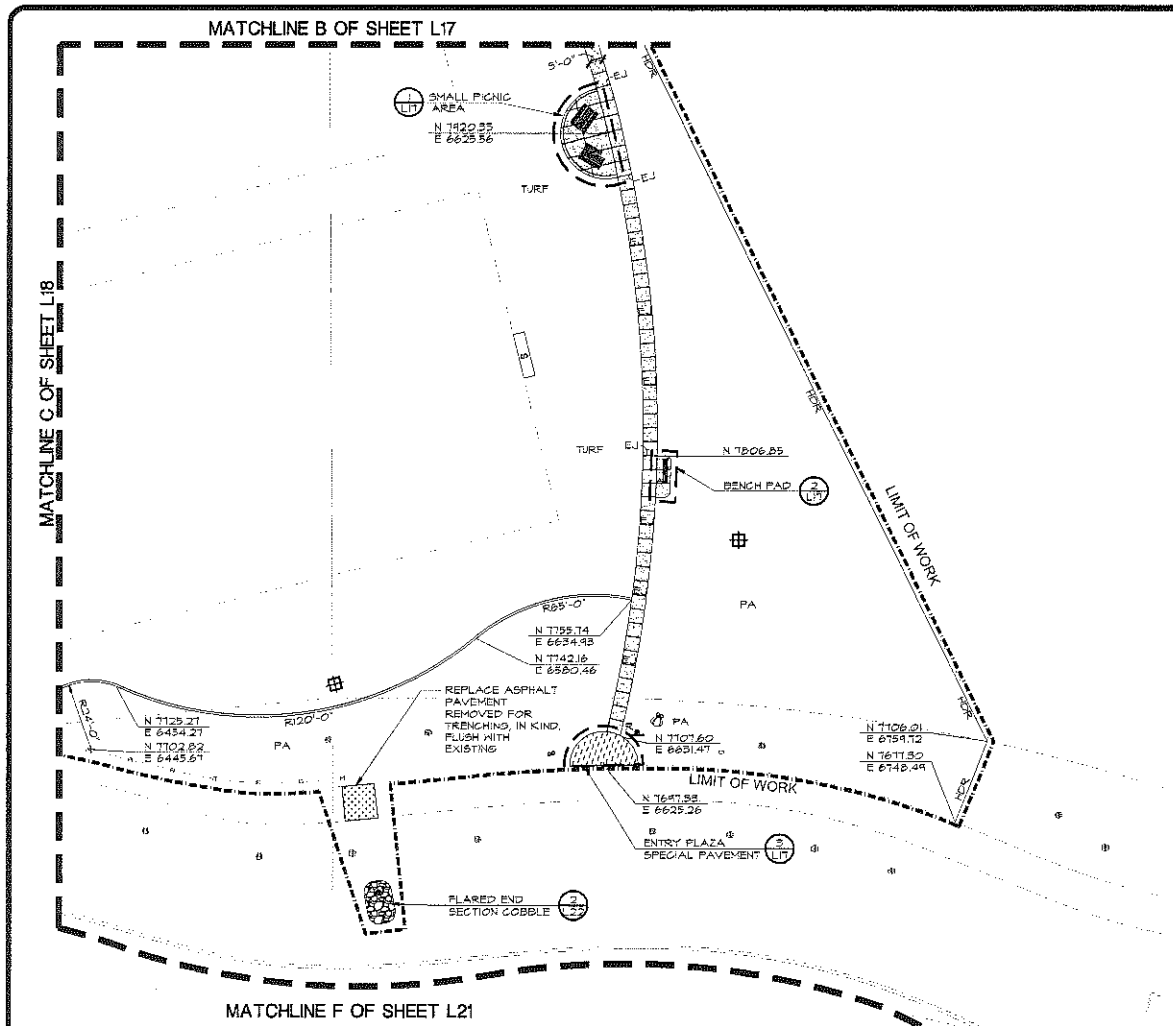
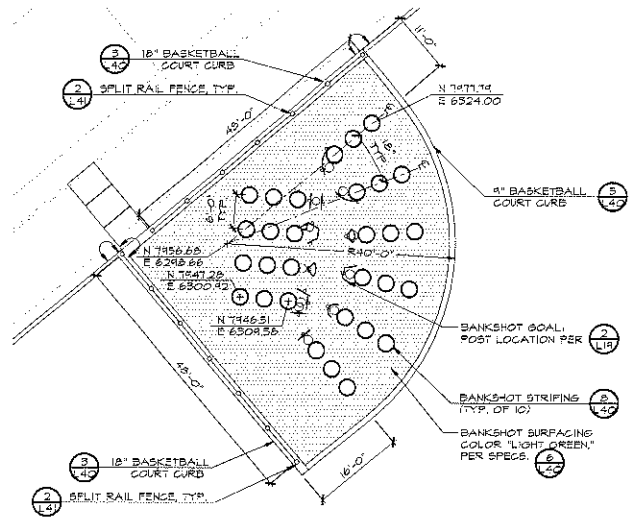
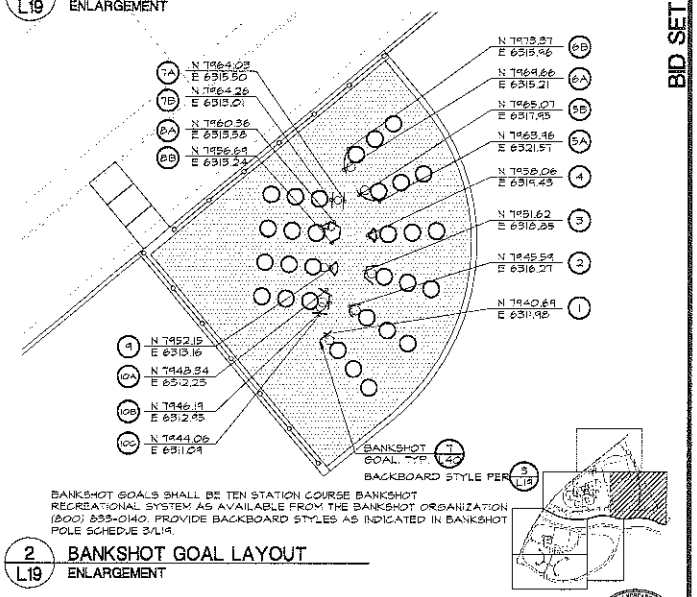
CAD FILE: 13.012
DATE: 12/1/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19:82100
REVISIONS

SHEET NO. L18 OF 65





1 / L19 BANKSHOT COURT LAYOUT
ENLARGEMENT



BANKSHOT GOALS SHALL BE TEN STATION COURSE BANKSHOT RECREATIONAL SYSTEM AS AVAILABLE FROM THE BANKSHOT ORGANIZATION (800) 833-0140. PROVIDE BACKBOARD STYLES AS INDICATED IN BANKSHOT POLE SCHEDUE 3/L19.

2 / L19 BANKSHOT GOAL LAYOUT
ENLARGEMENT

Bankshot Backboard Style	Pole Number	Pole Length	Pole Height	Pole Depth	Board Shape	Board Color
"Conventional"	1	12'-10"	10'-2"	32"	Kite	Orange
"Adv"	2	12'-10"	10'-2"	32"	Round	Green
"Slither"	3	12'-10"	10'-2"	32"	Triangle	Dark Blue
"Bark Down"	4	11'-6"	8'-10"	32"	Fan	Chocolate
"Wraparound Left"	5A	12'-10"	10'-2"	32"	Curve	Light Blue
	5B	12'-10"	10'-2"	32"		
"Wraparound Right"	6A	12'-10"	10'-2"	32"	Curve	Medium Blue
	6B	12'-10"	10'-2"	32"		
"Chute"	7A	12'-10"	10'-2"	32"	Rectangle	Wine
	7B	11'-0"	8'-4"	32"	Square	Light Grey
"Large Ricochet Left"	8A	12'-10"	10'-2"	32"	With Flap	Forest Green
	8B	12'-10"	10'-2"	32"		
"Roll Back"	9	11'-6"	8'-10"	32"	Fan	Orange
"Double Glance Shot"	10A	12'-10"	10'-2"	32"	Kite	Forest Green
	10B	12'-6"	8'-10"	32"	Rectangle	Red
	10C	7'-0"	5'-4"	20"	Square	Yellow

3 / L19 BANKSHOT POLE SCHEDULE

FOR SITE CONSTRUCTION NOTES SEE SHEET L18
FOR SITE CONSTRUCTION LEGEND SEE SHEET L21

KEY MAP

0 10' 20' 40'

NORTH

811 Know what's below. Call before you dig.

Calandar Associates Landscape Architecture
111 Sun Center Drive, Suite 159
Rancho Cordova, CA 95670
T 916.851.1112
F 916.851.1113
PROJECT NO. 13.012

CA PROJECT NO. 13.012

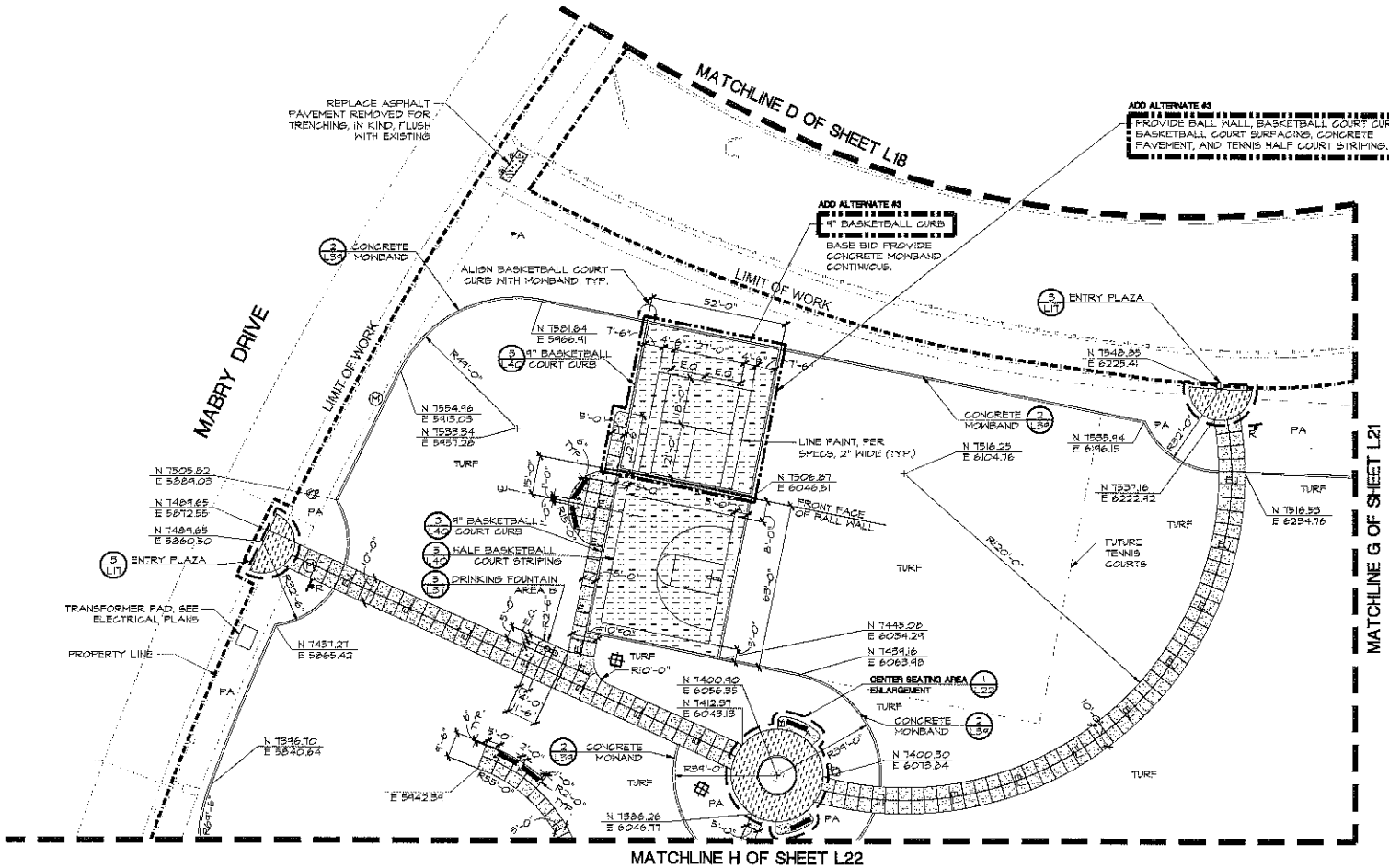
BID SET

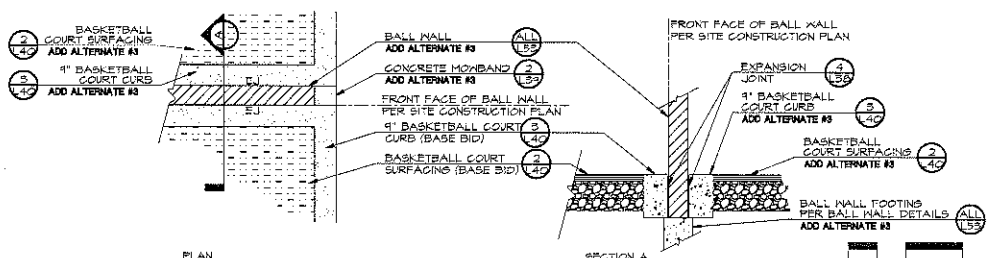
CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

VALLEY OAK PARK
SITE CONSTRUCTION PLAN

LANDSCAPE ARCHITECT
BY:
DESIGN BY/DRAWN BY
DM/BC/JB
CAD FILE
13.012
DATE 12/11/13
SCALE AS SHOWN
CAD SCALE 1:1
P.N. L18182100
REVISIONS

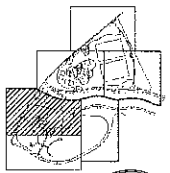
SHEET NO.
L19 OF 65





1 / L20 BALL WALL

FOR SITE CONSTRUCTION NOTES SEE SHEET L18
FOR SITE CONSTRUCTION LEGEND SEE SHEET L21



KEY MAP

0 10' 20' 40' NORTH

811 Know what's below. Call before you dig.

CA PROJECT NO. 13.012

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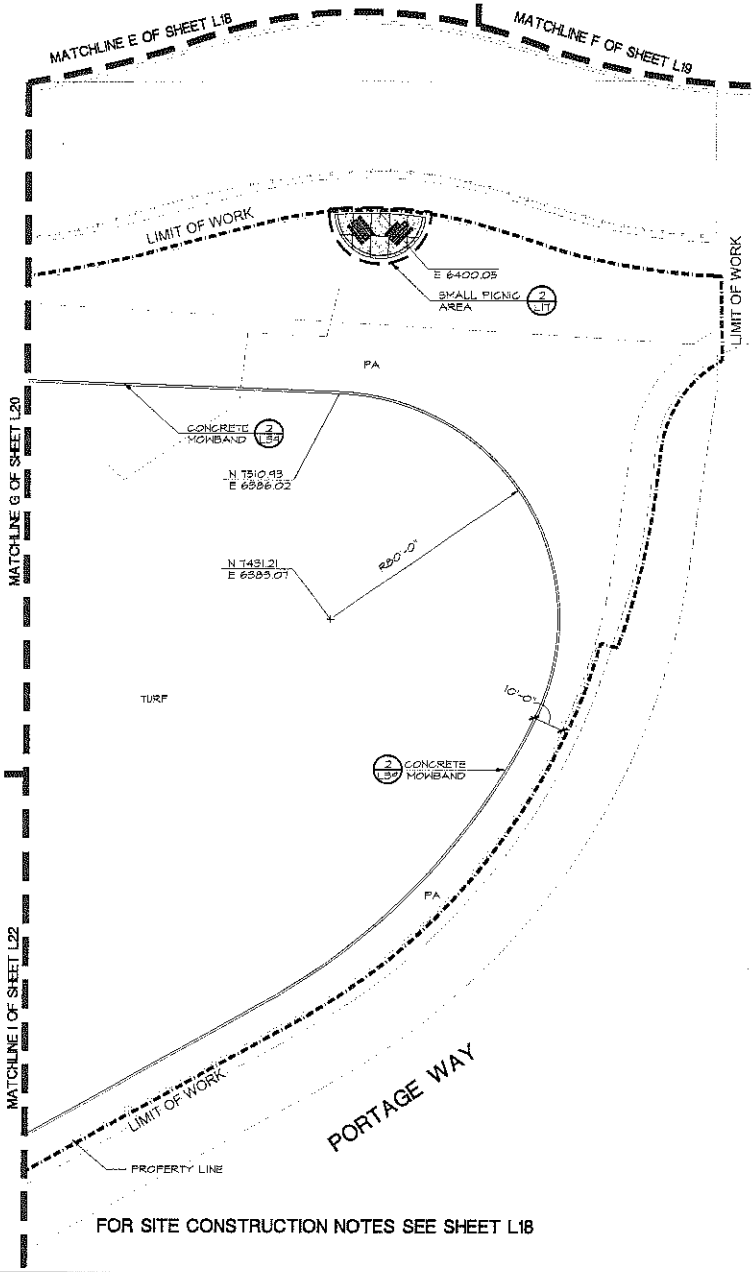
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

VALLEY OAK PARK
SITE CONSTRUCTION PLAN

LANDSCAPE ARCHITECT: PW
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

SHEET NO. L20 OF 65



FOR SITE CONSTRUCTION NOTES SEE SHEET L18

LAYOUT LEGEND

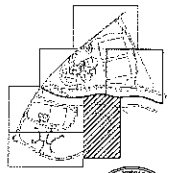
- CONCRETE PAVEMENT, EXPANSION JOINT TYP., SCORE JOINT TYP. — 3/L32
- CONCRETE PAVEMENT, SPECIAL FINISH — 2/L32
- MISTER AREA PAVEMENT — 3/L32
- BASKETBALL COURT SURFACING — 2/L40
- PLAY AREA WOOD FIBER, PER SPECS. — 7/L36
- ASPHALT PAVEMENT, MATCH EXISTING.
- BANKSHOT COURT SURFACING, PER SPECS. — 7/L40
- 8' PICNIC TABLE: BY PATTERSON WILLIAMS: MODEL#3120-08, SURFACE MOUNT, POWDER COAT COLOR TO BE CAST BRONZE. CONTACT JEFF WHITMAN WITH DAVID O'KEEFE CO, Ph (925) 984-2075. QUANTITY: 10 — 4/L41
- 8' ACCESSIBLE PICNIC TABLE: BY PATTERSON WILLIAMS: MODEL#3120-08-ADA, SURFACE MOUNT, POWDER COAT COLOR TO BE CAST BRONZE. CONTACT JEFF WHITMAN WITH DAVID O'KEEFE CO, Ph (925) 984-2075 QUANTITY: 6 — 4/L41
- 8' SERVING TABLE: BY PATTERSON WILLIAMS: MODEL#3120-08, NO BENCHES, SURFACE MOUNT, POWDER COAT COLOR TO BE CAST BRONZE. CONTACT JEFF WHITMAN WITH DAVID O'KEEFE CO, Ph (925) 984-2075. QUANTITY: 1 — 4/L41
- 8' BENCH: BY PATTERSON WILLIAMS: MODEL#3111-08-AR, SURFACE MOUNT WITH 3 ARM RESTS. POWDER COAT COLOR TO BE CAST BRONZE. CONTACT JEFF WHITMAN WITH DAVID O'KEEFE CO, Ph (925) 984-2075 QUANTITY: 12 — 4/L41
- 6' BENCH: BY PATTERSON WILLIAMS: MODEL#3111-06-AR, SURFACE MOUNT WITH 2 ARM RESTS. POWDER COAT COLOR TO BE CAST BRONZE. CONTACT JEFF WHITMAN WITH DAVID O'KEEFE CO, Ph (925) 984-2075. QUANTITY: 4 — 4/L41
- 8' BACKLESS BENCH: BY PATTERSON WILLIAMS: MODEL#3103-08-AR, SURFACE MOUNT WITH 3 ARM RESTS. POWDER COAT COLOR TO BE CAST BRONZE. CONTACT JEFF WHITMAN WITH DAVID O'KEEFE CO, Ph (925) 984-2075. QUANTITY: 2 — 4/L41
- TRASH RECEPTACLE: BY PATTERSON WILLIAMS: MODEL#3150-SD, POWDER COAT COLOR TO BE CAST BRONZE. CONTACT JEFF WHITMAN WITH DAVID O'KEEFE CO, Ph (925) 984-2075. QUANTITY: 3 — 4/L41
- BIKE RACK: BY PATTERSON WILLIAMS: MODEL#1700-00 ROUND UP BIKE RACK, IN GROUND MOUNT, POWDER COAT COLOR TO BE CAST BRONZE. CONTACT JEFF WHITMAN WITH DAVID O'KEEFE CO, Ph (925) 984-2075. QUANTITY: 4 — 3/L41
- DRINKING FOUNTAIN: BY MOST DEPENDABLE FOUNTAIN MODEL# 4405M-SS WITH OPTIONAL JUG FILLER. POWDER COATED COLOR TEXTURED PYRITE. AVAILABLE THROUGH HUSBAND & ASSOCIATES (925) 426-5001. QUANTITY: 2 — 4/L37
- GROUP GRILL: OUTDOOR CREATION GROUP GRILL SITE BBQ WITH GEAR DRIVEN ADJUSTMENT, MODEL 30DIAG, COLOR SHALL BE LIGHT GRAY. AVAILABLE THROUGH OUTDOOR CREATIONS, CHAD SMITH (530) 365-6106. QUANTITY: 1
- BASKETBALL GOAL: TRUE BOUNCE. POSTS: 5"x5"x3/8" SQUARE STEEL POLES WITH 4' EXTENSION MODEL #PA554, COLOR BLACK. BACKBOARD: 42"X72"x1/4" MODEL XL7042, W/ 72", COLOR CLEAR. BACKBOARD PAD MODEL #BP072, COLOR GREEN. GOALS: HEAVY DUTY BREAKAWAY MODEL RB1000. NETS: NYLON, MODEL BN 141. AVAILABLE THROUGH CALIFORNIA SPORTS AND RECREATION INC., HAL HIGGINS (916) 374-5346. QUANTITY: 1 — 4/L40
- PARK RULES SIGN: 18"X24" PROVIDED BY CITY. INSTALL IN LOCATION APPROVED BY CITY. QUANTITY: 1 — 6/L41
- MIST PLAY AREA RULES SIGN: 18"X24" PROVIDED BY CITY. INSTALL IN LOCATION APPROVED BY CITY. QUANTITY: 1 — 6/L41
- PLAY AREA RULES SIGN: 18"X24" PROVIDED BY CITY. INSTALL IN LOCATION APPROVED BY CITY. QUANTITY: 2 — 6/L41
- HDR — HEADER BOARD, TREX OR APPROVED EQUAL — 5/L36
- PA — PLANTING AREA, PER PLANTING PLAN
- TURF — TURF AREA, PER PLANTING PLAN
- SPLIT RAIL FENCE: BY QUICKCRETE: POSTS MODEL #QPSRF, END POSTS MODEL #QPSERF, RAILS MODEL GSBRF, COLOR TO BE SAND. AVAILABLE THROUGH QUICKCRETE PRODUCTS CORP. TRACY HARLOW, PH (951) 737-6240. — 2/L41
- LARGE, MEDIUM, AND SMALL BOULDER, SEE PLANTING PLAN. — 9/L41
- PARK SIGN: AVAILABLE THROUGH OUTDOOR CREATIONS, CHAD SMITH (530) 365-6106. QUANTITY: 1 — 1/L41
- VOLLEY BALL POSTS AND NET: BY PATTERSON WILLIAMS ATHLETIC: POST #2219-21, NET #3561-10 POST COLOR SHALL BE BLACK. AVAILABLE THROUGH DAVID O'KEEFE CO. JEFF WHITMAN PH (925) 984-2075. QUANTITY: 2 PAIRS — 1/L40
- BANTAM SOCCER GOAL: BISON SOCCER GOAL MODEL #SCO4453PA24C. QUANTITY: 2 PAIRS. SOCCER NETS #SCO50N. QUANTITY: 4. AVAILABLE THROUGH SPORTS FACILITIES GROUP, LORI CURREN (951) 351-1313 EXT 202. ASSEMBLE PER MANUFACTURER SPECIFICATIONS.
- SHADE SHELTER: POLIGON CAR 40X40 FRAME COLOR: ALMOND, ROOF COLOR: BRANDY WINE. AVAILABLE TROUGH ALL ABOUT PLAY, KRISTIN PETTY (916) 207-1555. QUANTITY: 1 — ALL/L45 ALL/L44 ALL/L45 ALL/L46
- SHADE STRUCTURE STONE FASCIA AND NATURAL STONE CAP SHALL BE PER 5/L32

BID SET

ADVENTURE AREA SHADE CANOPY (ADD ALTERNATE #2): POLIGON, IHIP 30X38-4DB-1REV, SQUARE COLUMNS, POWDER COAT. FRAME COLOR: ALMOND TOP COLOR: DEEP OCHRE. AVAILABLE TROUGH ALL ABOUT PLAY, KRISTIN PETTY (916) 207-1555. QUANTITY: 1 — ALL/L47 ALL/L48 ALL/L49

TOT AREA SHADE CANOPY (ADD ALTERNATE #1): POLIGON, IHIP 27X27-4DB-1REV, SQUARE COLUMNS, POWDER COAT. FRAME COLOR: ALMOND.TOP COLOR: DEEP OCHRE AVAILABLE TROUGH ALL ABOUT PLAY, KRISTIN PETTY (916) 207-1555. QUANTITY: 1 — ALL/S0 ALL/S1 ALL/S2

BALL WALL (ADD ALTERNATE #3): WALL TO BE 8' WIDE X 10' HIGH BY 50'-6' LONG. WALL SHALL BE PAINTED WITH CONCRETE PAINT (DARK GREEN) WITH WHITE 2" THICK LINE AT 3FT HEIGHT FOR FULL LENGTH OF THE WALL. BY PROTO-II WALL SYSTEMS, PROTO II FENCE WALL. JOB NO. 13-115-8478. AVAILABLE THROUGH BASALITE CONCRETE PRODUCTS, RAMONA KOEHLER (916) 971-2522. — ALL/S3



KEY MAP

0 10' 20' 40' NORTH

811 Know what's below. Call before you dig.

Callander Associates Landscape Architecture
1330 San Carlos Drive, Suite 104
Davis, California 95616
T 916.887.1213
F 916.666.6259

CA PROJECT NO. 13.012

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

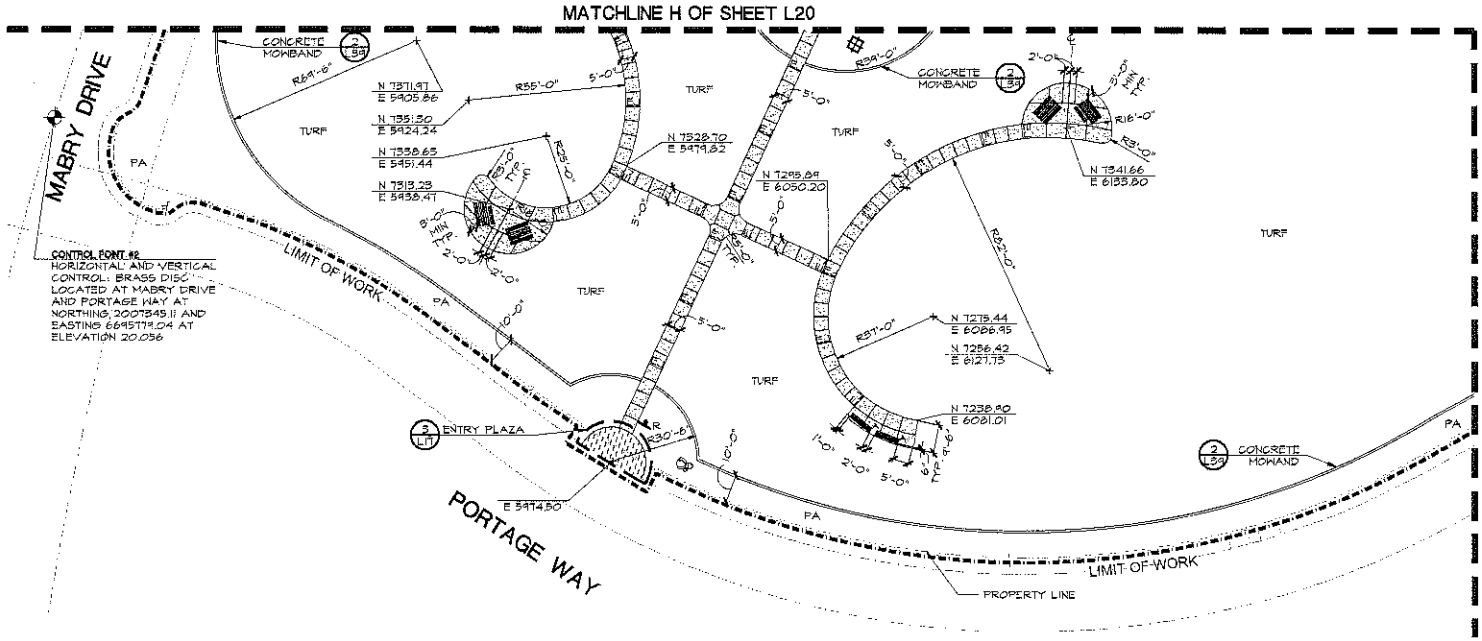
DEPARTMENT OF PARKS, RECREATION & DEVELOPMENT

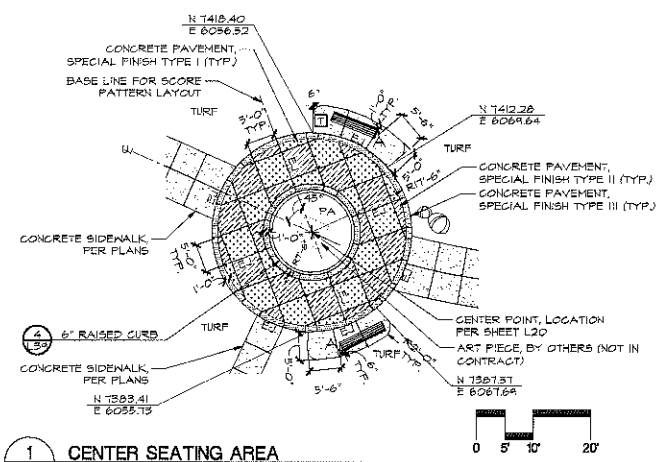
VALLEY OAK PARK - P.N.

VALLEY OAK PARK
SITE CONSTRUCTION PLAN

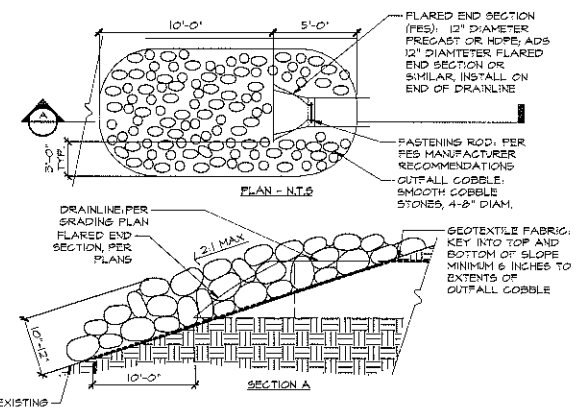
LANDSCAPE ARCHITECT: PH
DESIGN BY/DRAWN BY: DM/BG/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N. LIH.82100
REVISIONS

SHEET NO. L21 OF 65



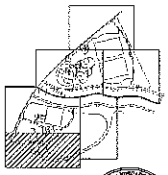


1 L22 CENTER SEATING AREA ENLARGEMENT



2 L22 FLARED END SECTION COBBLE

FOR SITE CONSTRUCTION NOTES SEE SHEET L18
FOR SITE CONSTRUCTION LEGEND SEE SHEET L21



KEY MAP

0 10' 20' 40'

NORTH

811 Know what's below. Call before you dig.

Callander Associates Landscape Architecture
11140 San Pedro Drive, Suite 104
Rancho Cordova, CA 95670
916.852.1153
FAX 916.852.1155

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PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK
SITE CONSTRUCTION PLAN

LANDSCAPE ARCHITECT: BH
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
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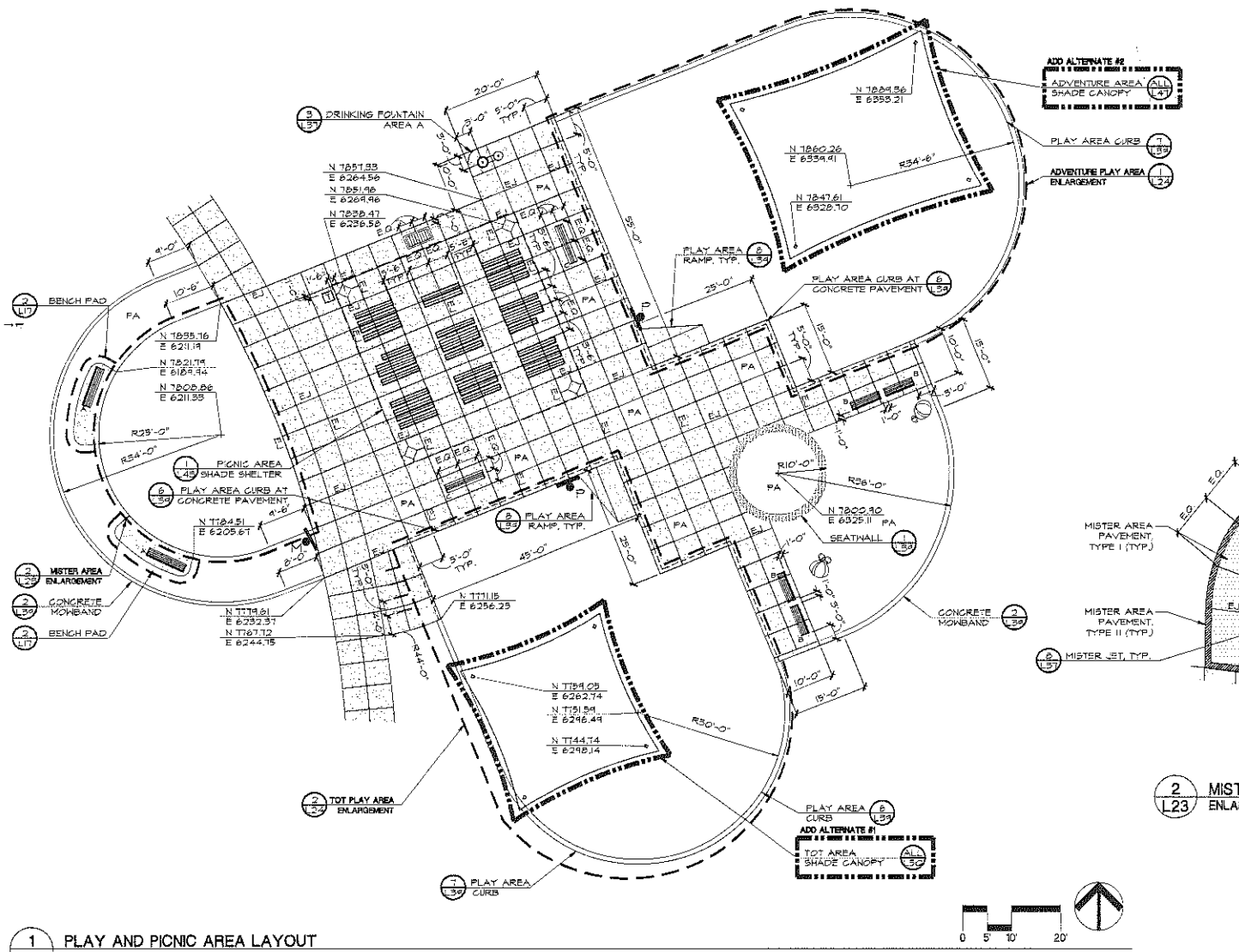
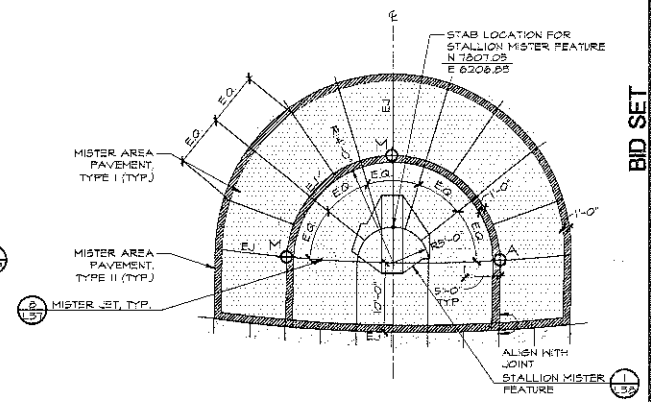
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

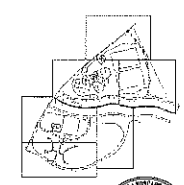
SHEET NO. L22 OF 65



1 L23 PLAY AND PICNIC AREA LAYOUT
ENLARGEMENT



2 L23 MISTER AREA LAYOUT
ENLARGEMENT



KEY MAP

FOR SITE CONSTRUCTION NOTES SEE SHEET L18
FOR SITE CONSTRUCTION LEGEND SEE SHEET L21

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CA PROJECT NO. 13,012

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LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

VALLEY OAK PARK
SITE CONSTRUCTION PLAN

LANDSCAPE ARCHITECT: BW
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CAD FILE: 13.012
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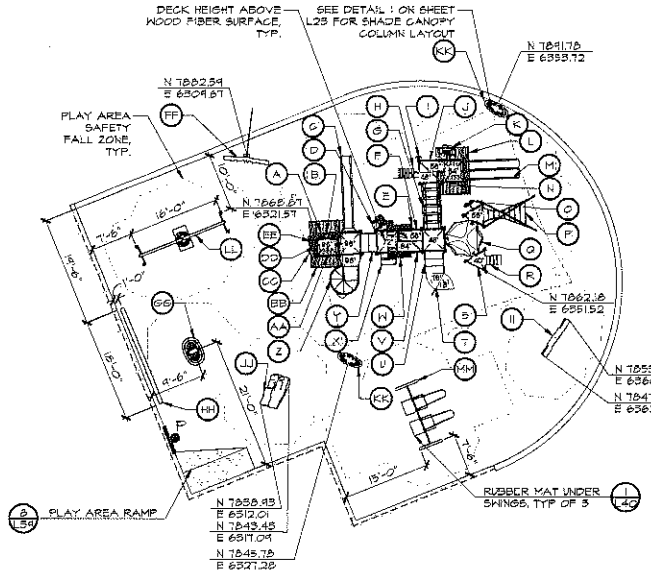
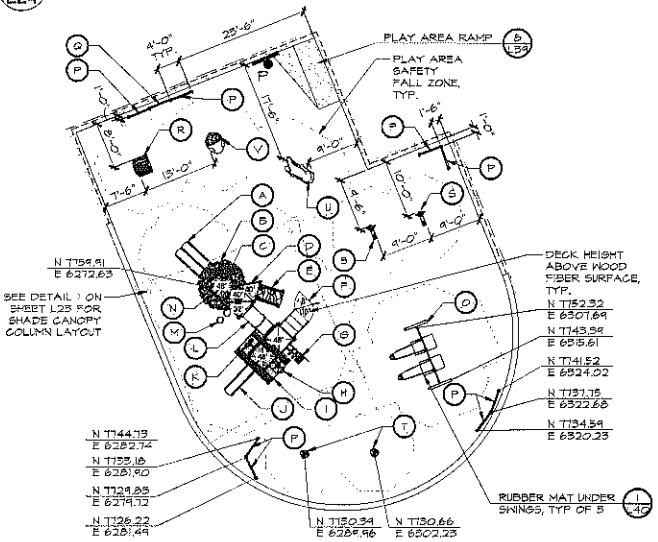


1 / L24 ADVENTURE PLAY EQUIPMENT



2 / L24 TOT PLAY EQUIPMENT

FOR SITE CONSTRUCTION NOTES SEE SHEET L18
FOR SITE CONSTRUCTION LEGEND SEE SHEET L21

PLAY EQUIPMENT LIST

ADVENTURE AREA STRUCTURE BY LITTLE TIKES, AVAILABLE THROUGH ALL ABOUT PLAY, KRISTIN PETTY (916) 207-1555.

- (A) HANG OUT SEAT BELOW DECK (1)
- (B) TREE HOUSE WINDOW PANEL (1)
- (C) HYPERSONIC SLIDE (1)
- (D) TREE CLIMB (1)
- (E) REACH VEHICLE PANEL (1)
- (F) TELESCOPE PANEL (1)
- (G) PLAN BRIDGE (1)
- (H) ARCH LOG (1)
- (I) POST WHEEL (1)
- (J) TREE HOUSE SAFETY PANEL (1)
- (K) LOG SLICE (5)
- (L) BEAM ROOF (1)
- (M) DOUBLE WIDE PLASTIC SLIDE (1)
- (N) STEEL MELODY-MAKER PANEL (1)
- (O) TREE HOUSE POD CLIMBER (1)
- (P) X-CLIMB (1)
- (Q) TRI-ROCK (1)
- (R) BUMPY CLIMBER (1)
- (S) TREE HOUSE SAFETY PANEL (1)
- (T) TRANSFER STATION WITH SAFETY RAILS (1)
- (U) REACH GEAR PANEL (1)
- (V) TREE HOUSE SAFETY PANEL (1)
- (W) BEAM ROOF (1)
- (X) NU-EDGE ROCK CHALLENGE WALL (1)
- (Y) DECK TO DECK STEPS (1)
- (Z) DURASLIDE SLIDE (1)
- (AA) TREE HOUSE WINDOW PANEL (1)
- (BB) BEAM ROOF (1)
- (CC) GENERAL STORE STEEL VALENCE (1)
- (DD) STEEL COUNTER (1)
- (EE) STEEL LEAN OUT MONKEY SEAT PANEL (1)

ADVENTURE AREA INDEPENDENT PLAY ITEMS BY LITTLE TIKES, AVAILABLE THROUGH ALL ABOUT PLAY, KRISTIN PETTY (916) 207-1555.

- (FF) WINDMILL (1)
- (GG) RAFT RIDER (1)
- (HH) ENTRY SIGN
- (II) STACKED TIMBER CLIMB (1)
- (JJ) SMALL FUN ROCK
- (KK) WAGON WHEEL (1)

ADVENTURE AREA SWINGS BY LITTLE TIKES, AVAILABLE THROUGH ALL ABOUT PLAY, KRISTIN PETTY (916) 207-1555.

- (LL) TIRE SWING
- (MM) SINGLE BAY ARCH SWING WITH TWO BELT SEATS

PLAY EQUIPMENT COLORS AND FINISHES

POST MATERIAL: GALVANIZED
POST COLOR: BROWN
ACCENT COLOR: FOREST GREEN
PANEL COLOR: TAN
SLIDE COLOR: TAN
ROOF COLOR: FOREST GREEN

PLAY EQUIPMENT LIST

ADVENTURE AREA STRUCTURE BY LITTLE TIKES, AVAILABLE THROUGH ALL ABOUT PLAY, KRISTIN PETTY (916) 207-1555.

- (A) DOUBLE WIDE PLASTIC SLIDE (1)
- (B) LEAF ROOF (1)
- (C) TREE HOUSE CURLY CLIMBER (1)
- (D) TREE HOUSE WINDOW PANEL (1)
- (E) ROCKY RAMBLER (1)
- (F) TRANSFER STATION (1)
- (G) ARCH LOG (1)
- (H) LOG SLICE (3)
- (I) BEAM ROOF (1)
- (J) SINGLE WIDE PLASTIC SLIDE (1)
- (K) TREE HOUSE POD CLIMBER (1)
- (L) INCLINED CRAWL (1)
- (M) STUMP CLIMBER (2)
- (N) SEVEN STATION PLAY FACTORY (1)

ADVENTURE AREA SWINGS BY LITTLE TIKES, AVAILABLE THROUGH ALL ABOUT PLAY, KRISTIN PETTY (916) 207-1555.

- (O) SINGLE BAY ARCH SWING WITH TWO BUCKET SEATS

ADVENTURE AREA PRECAST INDEPENDENT PLAY ITEMS BY LITTLE TIKES, AVAILABLE THROUGH ALL ABOUT PLAY, KRISTIN PETTY (916) 207-1555.

- (P) CORRAL PANEL (8)
- (Q) RUSTIC ENTRY PANEL (1)
- (R) CRAWL LOG (1)
- (S) KID RIDERS HORSE (2)
- (T) SOLO SPINNER (2)

ADVENTURE AREA PRECAST INDEPENDENT ITEMS BY UNIVERSAL PRECAST, AVAILABLE THROUGH ALL ABOUT PLAY, KRISTIN PETTY (916) 207-1555.

- (U) RESTING HORSE (1)
- (V) SMALL HOLLOW ACORN CLIMBER (1)

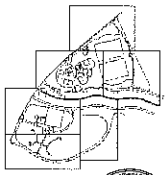
PLAY EQUIPMENT COLORS AND FINISHES

POST MATERIAL: GALVANIZED
POST COLOR: FOREST GREEN
ACCENT COLOR: SPECKLED GRAY
PANEL COLOR: TAN/FORT BROWN
SLIDE COLOR: FOREST GREEN
ROOF COLOR: FOREST GREEN

PLAY AREA STANDARD NOTES

1. ALL DECK HEIGHTS ARE MEASURED FROM TOP OF RESILIENT SURFACE FINISHED GRADE, AND ARE IDENTIFIED BY THE TEXT SHOWING THE DECK HEIGHT. I.E. 48 REPRESENTS A 48 INCH DECK HEIGHT.
2. THE PARTS LISTED IN THE PLAY EQUIPMENT LIST IS 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 SUBMIT WOOD FIBER SAMPLE AND PRODUCT TEST SPECIFICATIONS TO THE CITY LANDSCAPE ARCHITECT FOR APPROVAL BEFORE DELIVERY TO SITE.
4. WOOD FIBER SHALL HAVE A 12" MINIMUM DEPTH AT THE EDGES OF THE PLAY AREA, DEEPER IN THE CENTER OF THE PLAY AREA, AND SHALL BE LEVEL. WOOD FIBER SHALL BE INSTALLED WITHIN FORTY EIGHT HOURS AFTER NEW PLAY EQUIPMENT AND SWINGS ARE INSTALLED TO PREVENT INJURY TO CHILDREN USING THE PLAY EQUIPMENT.

BID SET



KEY MAP

0 5' 10' 20'

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Callander Associates Landscape Architecture

CA PROJECT NO. 13.012

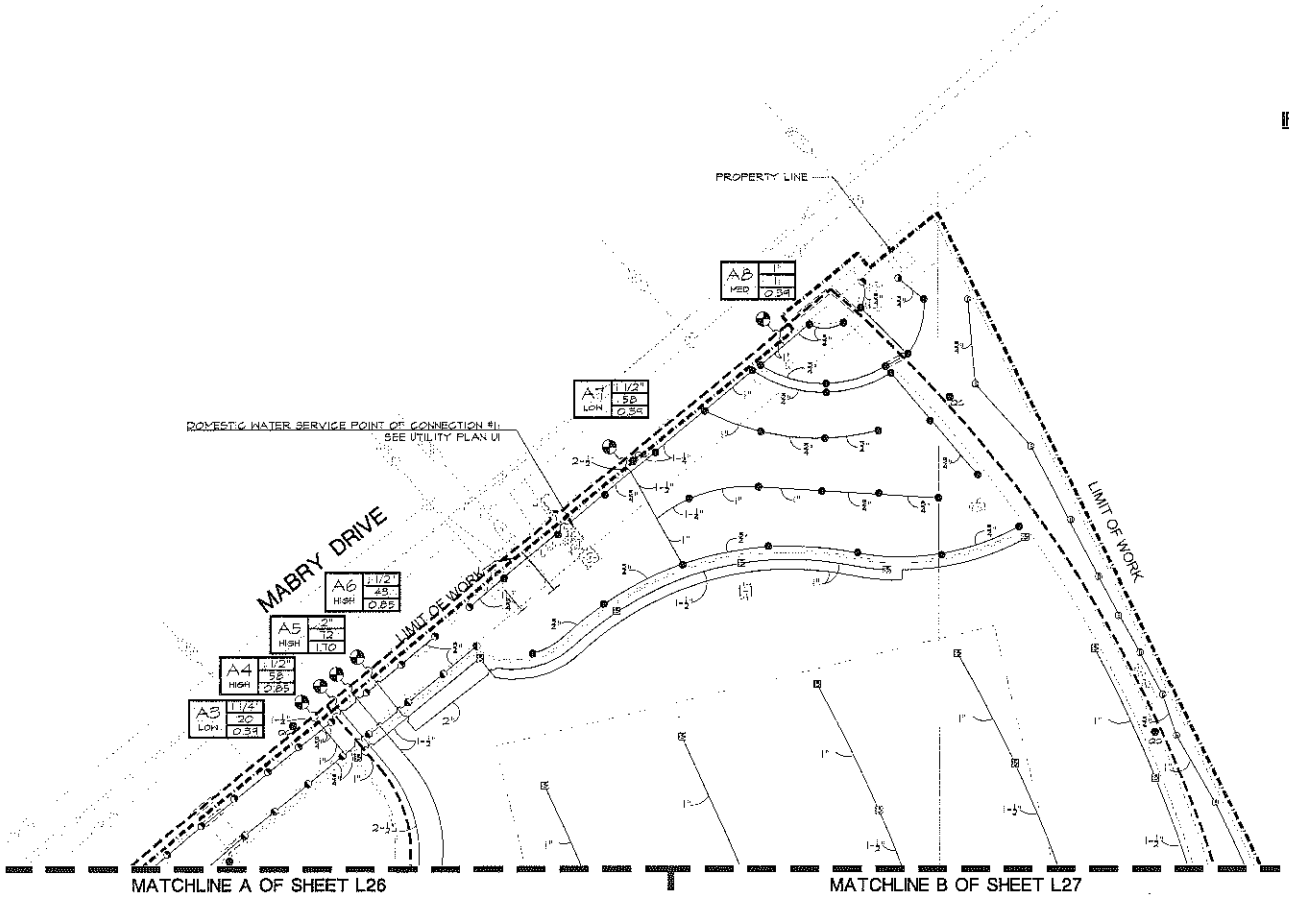
CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARKS, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK
SITE CONSTRUCTION PLAN

LANDSCAPE ARCHITECT: BM
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N. L191.82100
REVISIONS

SHEET NO. L24 OF 65



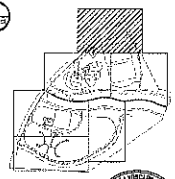
I HAVE COMPLIED WITH THE CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

SIGNATURE — BENJAMIN H. WOODSIDE

IRRIGATION LEGEND

- TURF ROTOR, HUNTER I-25-06 ROTOR, NOZZLE AS INDICATED, 60 PSI, SPACING AS SHOWN, ARC AS REQUIRED (1/L3.5)
- ROTARY SPRAY, HUNTER PROS-6/12-PRS40-CV-MP1000 ON HUNTER PRO-SPRAY BODY, 40 PSI, SPACING AS SHOWN, ARC AS REQUIRED, 6" POPUP IN TURF AREAS, 12" POPUP IN PLANTER AREAS.
- ROTARY SPRAY, HUNTER PROS-6/12-PRS40-CV-MP2000 ON HUNTER PRO-SPRAY BODY, 40 PSI, SPACING AS SHOWN, ARC AS REQUIRED, 6" POPUP IN TURF AREAS, 12" POPUP IN PLANTER AREAS.
- ROTARY SPRAY, HUNTER PROS-6/12-PRS40-CV-MP3000 ON HUNTER PRO-SPRAY BODY, 40 PSI, SPACING AS SHOWN, ARC AS REQUIRED, 6" POPUP IN TURF AREAS, 12" POPUP IN PLANTER AREAS.
- ROTARY CORNER STRIP, HUNTER PROS-6/12-PRS40-CV-MPL(OR"R")-0515, MP CORNER STRIP ON HUNTER PRO-SPRAY BODY, 40 PSI, SPACING AS SHOWN, ARC AS REQUIRED, 6" POPUP IN TURF AREAS, 12" POPUP IN PLANTER AREAS.
- ROTARY SIDE STRIP, HUNTER PROS-6/12-PRS40-CV-MPSS330, SIDE STRIP ON HUNTER PRO-SPRAY BODY, 40 PSI, SPACING AS SHOWN, ARC AS REQUIRED, 6" POPUP IN TURF AREAS, 12" POPUP IN PLANTER AREAS.
- MULTI-STREAM BUBBLER, HUNTER MSBN-25Q ON HUNTER PRO-SPRAY BODY, 40 PSI, SPACING AS SHOWN, ARC AS REQUIRED.
- TREE BUBBLER, HUNTER RZNS-18-50, 50 PSI, INSTALL 2 PER SYMBOL (3/L3.5)
- DOMESTIC WATER METER #1: SEE UTILITY PLANS
- DOMESTIC WATER METER #2 (EXISTING): SEE UTILITY PLANS
- DOMESTIC BACKFLOW PREVENTER #1: SEE UTILITY PLANS
- DOMESTIC BACKFLOW PREVENTER #2: SEE UTILITY PLANS
- IRRIGATION BACKFLOW PREVENTER (EXISTING)/METER #2 (EXISTING): SEE UTILITY PLANS
- P — BOOSTER PUMP ASSEMBLY: CUSTOM PUMP AND POWER, INC. CUSTOMFLOW QUALITY BOOSTER PACKAGE, 15 HP, MODEL: 2000CA1068282013-1/1000VFD (1/L3.7)
- FM — DUAL FLOW SENSOR/MASTER VALVE ASSEMBLY: RAINMASTER DFSAV-100B+SCOP AS AVAILABLE FROM JOHN DEERE LANDSCAPE, CONTACT JIM WELLER (925) 451-1610. (3/L3.7)
- C1 — CENTRAL IRRIGATION CONTROLLER #1: JOHN DEERE GREEN TECH RAINMASTER DX2 SERIES 42 STATION, MODEL#: SA6-RM4-42/PMR-CAC/RFL/DFSAV-100B+SCOP WITH EV-CAB-SEN SENSOR CABLE (2/L3.7)
- C2 — CENTRAL IRRIGATION CONTROLLER #2: JOHN DEERE GREEN TECH RAINMASTER DX2 SERIES 36 STATION, MODEL#: SA6-RM4-36/PMR-CAC/HNB WITH EV-CAB-COM COMMUNICATION CABLE. (2/L3.7)
- REMOTE CONTROL VALVE: SUPERIOR MODEL 950 PRS, SIZE PER PLAN (4/L3.5)
- GATE VALVE: NIBCO F-619 FLANGED. (3/L3.5)
- QCV — QUICK COUPLING VALVE: HUNTER, HQ-5RC. (5/L3.5)
- MAINLINE: 24" MIN. BURIAL PER SPECS. CONTRACTOR SHALL INSTALL THRUST BLOCKS PER CITY OF SACRAMENTO STANDARD SPECIFICATIONS AND PLANS. MAINLINE SIZE SHALL BE 6". (1/L3.5)
- LATERAL: CLASS 200 PVC, 18" MIN. BURIAL PER SPECS, SIZE PER PLAN. (1/L3.5)
- SLEEVE: SCH 40 PVC, SIZE AS REQUIRED

A3 LOW 1 1/2" 30 .51
- VALVE # AND HYDROZONE
- VALVE SIZE
- APPROXIMATE GPM THROUGH VALVE
- PRECIP RATE (IN/HR)



KEY MAP

0 10' 20' 40' NORTH

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11140 Sun Center Drive, Suite 100
Rancho Cordova, CA 95670
T 916.852.1213
F 916.852.1215

CA PROJECT NO. 13.012

FOR IRRIGATION NOTES SEE SHEET L26

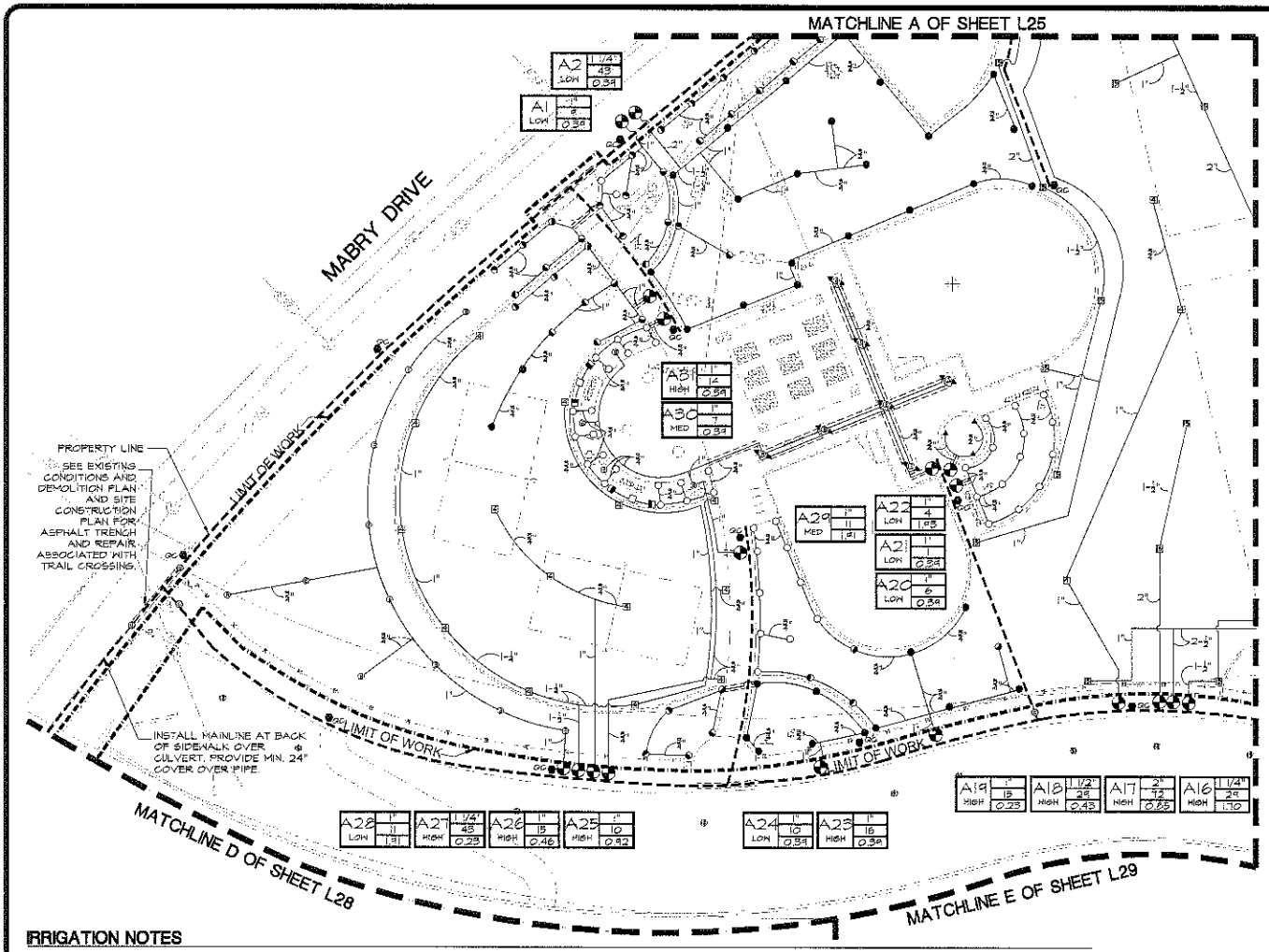
BID SET

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET 5TH FLOOR,
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

VALLEY OAK PARK IRRIGATION PLAN

LANDSCAPE ARCHITECT: BN
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

SHEET NO. L25 OF 65



I HAVE COMPLIED WITH THE CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

SIGNATURE — BENJAMIN W. WOODSIDE

IRRIGATION STANDARD NOTES

1. THE PROPOSED AND EXISTING IRRIGATION SYSTEM ON PLAN ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL VERIFY THE LOCATION OF IRRIGATION APPARATUS IN THE FIELD PRIOR TO TRENCHING.
2. CONTRACTOR SHALL ADJUST THE PLACEMENT AND RADIUS OF NEW SPRINKLER HEADS AS PER FIELD CONDITIONS TO ACHIEVE FULL COVERAGE OF ALL PLANTED AREAS, AND TO MINIMIZE OVER SPRAY ONTO ADJACENT PLAY AREAS.
3. REFER TO DETAILS AND SPECIFICATIONS FOR MATERIALS AND INSTALLATION PROCEDURES.
4. ALL PIPING AND CONTROL WIRES UNDER WALKWAYS SHALL BE IN SCH. 40 PVC SLEEVES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL SPRINKLER APPARATUS DAMAGED BY HIS CONSTRUCTION OPERATIONS.
6. IRRIGATION SYSTEM SHALL BE OPERATIONAL AND COVERAGE APPROVED PRIOR TO INSTALLATION OF PLANTING MATERIAL.
7. CONTRACTOR SHALL PAY WATER TAP AND METER FEE PRIOR TO INSTALLATION OF 1" WATER TAP AND METER. PAY FEE AT THE CITY OF SACRAMENTO, WATER DIVISION, 1391 35TH AVENUE, SACRAMENTO. FOR WATER TAP AND METER INSTALLATION COST AND INFORMATION CALL 264-5371.
8. ALL EXISTING TREES SHALL BE PROTECTED FROM DAMAGE OR INJURY DURING CONSTRUCTION. NO PARKING OR STACKING OF MATERIALS IS ALLOWED WITHIN THE DRIP LINE OF EXISTING TREES.

WATER CALCULATIONS

MAXIMUM APPLIED WATER ALLOWANCE (MAWA)

MAWA = (ETo) (0.62) [(0.7xLA)+(0.3xSLA)]
MAWA = (51.9) (0.62) [(0.7x298122)+(0.3x263010)]
MAWA = 9,254,020

ESTIMATED TOTAL WATER USE (ETWU)

ETWU = (ETo) (0.62) [(PFxHA)/IE + SLA]
ETWU = (51.9) (0.62) (12137 + 263010)
ETWU = 8,833,685

ETWU DOES NOT EXCEED MAWA

MAWA = (ETo) (.8) (LA) (.62)

WHERE,
MAWA = Maximum Allowed Water Allowance
ETo = Reference Evapotranspiration (inches per year)
0.8 = ET Adjustment Factor
LA = Landscaped Area (square feet, including SLA)
SLA = Special Landscape Area (square feet)
0.62 = Conversion factor (to gallons per square foot)

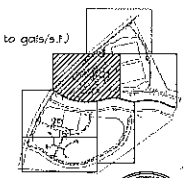
ETWU = $\frac{(ETo)(PF)(HA)(.62)}{IE}$ + (SLA)(ETo)(.62)

WHERE,
ETWU = Estimated Water Use (gals/yr)
ETo = Reference Evapotranspiration (inches per year)
PF = Plant Factor
HA = Hydrozone area (s.f.)
0.62 = Conversion factor (from inches to gals/s.f.)
IE = Irrigation efficiency
SLA = Special Landscape Area

IRRIGATION NOTES

1. VERIFICATION: SYSTEM DESIGN IS BASED ON 24 P.S.I. AND 200 G.P.M. AVAILABLE AT DOWNSTREAM END OF BACKFLOW PREVENTER. CONTRACTOR SHALL VERIFY SAME AND NOTIFY LANDSCAPE ARCHITECT IF SUCH DATA ADVERSELY AFFECTS THE OPERATION OF THE SYSTEM. SUCH NOTICE SHALL BE MADE IN WRITING AND PRIOR TO COMMENCING ANY IRRIGATION WORK.
2. UTILITIES: CONTRACTOR SHALL VERIFY LOCATION OF ALL ON-SITE UTILITIES. RESTORATION OF DAMAGED UTILITIES SHALL BE MADE AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY.
3. SCHEMATIC: SYSTEM FEATURES ARE SHOWN SCHEMATICALLY FOR GRAPHIC CLARITY. INSTALL ALL PIPING AND VALVES IN COMMON TRENCHES WHERE FEASIBLE AND INSIDE PLANTING AREAS WHENEVER POSSIBLE. ALL VALVES SHALL BE LOCATED IN GROUNDCOVER OR SHRUB AREAS WHENEVER POSSIBLE.
4. CODES: IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS. NOTIFY LANDSCAPE ARCHITECT BY TELEPHONE AND IN WRITING OF ANY CONFLICTS PRIOR TO INSTALLATION.
5. SLEEVING: CONTRACTOR SHALL ADEQUATELY SIZE ALL SLEEVES SHOWN ON PLAN. SLEEVES SHALL BE INSTALLED AT THE NECESSARY DEPTHS PRIOR TO PAVEMENT CONSTRUCTION. SLEEVING SHALL EXTEND 1'-0" FROM EDGE OF PAVEMENT INTO LAWN OR PLANTING AREA, AND SHALL HAVE ENDS CLEARLY MARKED ABOVE GRADE.
6. QUICK COUPLING VALVES: INSTALL ON TRIPLE SWING JOINT. LOCATE 12" AWAY FROM EDGE OF WALKS, WALLS, CURBS, AND HEADERBOARDS WITHIN PLANTING AREAS. PROVIDE OWNER WITH ONE OPERATING KEY, TWO SETS OF LOCKING COVER KEYS, AND ONE SWIVEL HOSE ELL.
7. HEAD ALLOWANCE: CONTRACTOR SHALL ALLOW IN BID PRICE AN AMOUNT SUFFICIENT TO PROVIDE AND INSTALL AN ADDITIONAL 3 SPRINKLER HEADS OF EACH TYPE SPECIFIED ON PLAN TO ACCOMMODATE FIELD CHANGES. THESE HEADS SHALL BE LOCATED AS DIRECTED BY THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL DELIVER TO THE CITY ANY UN-USED ADDITIONAL HEADS AT THE END OF THE MAINTENANCE PERIOD.
8. IRRIGATION INTERRUPTION: SHOULD THE EXISTING MAINLINE BREAK OR BE SHUT OFF FOR ANY REASON DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR SHALL HAND WATER ALL TREES, SHRUBS, TURF, AND GROUNDCOVER THAT THE EXISTING IRRIGATION SYSTEM WATERS. THE CONTRACTOR SHALL CONTINUE TO DO SO UNTIL THE IRRIGATION SYSTEM IS OPERABLE. ANY ITEMS (INCLUDING TREES, SHRUBS, TURF, AND IRRIGATION COMPONENTS) THAT DIE OR BECOME DAMAGED DUE TO CONSTRUCTION ACTIVITIES AND/OR LACK OF WATER WILL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE TO THE SATISFACTION OF THE CITY.

FOR IRRIGATION LEGEND SEE SHEET L25



0 10' 20' 40' NORTH

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1110 Iron Gate Place, Suite 101
Rancho Cordova, CA 95670
916.852.1212
916.852.1213 FAX

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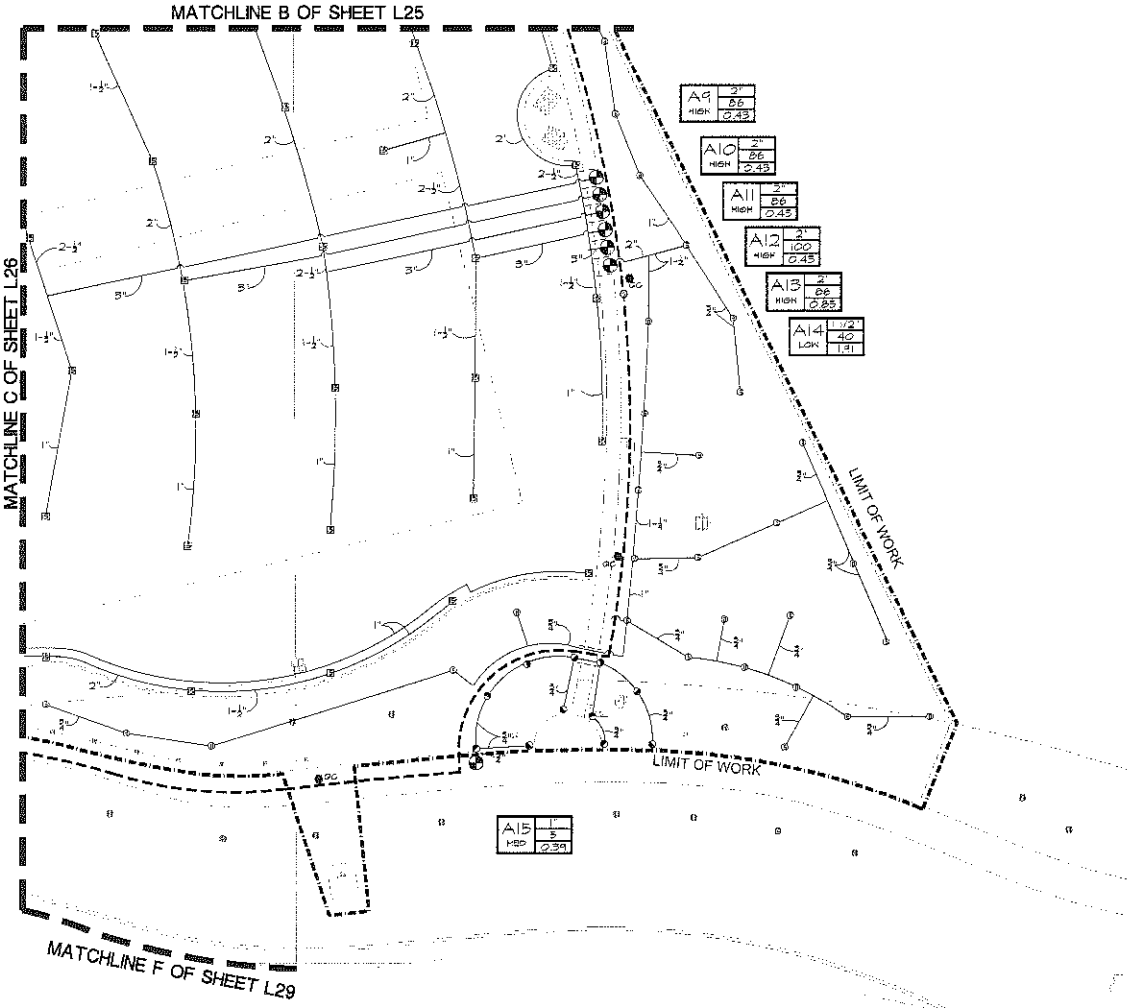
CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK IRRIGATION PLAN

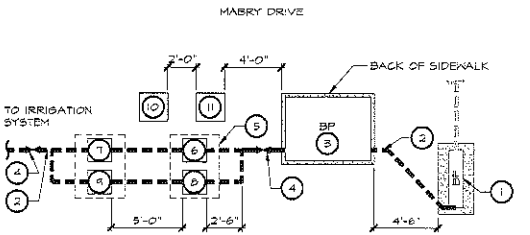
LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BG/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

SHEET NO. L26 OF 65



I HAVE COMPLIED WITH THE CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

SIGNATURE BENJAMIN W. HOODSIDE



1. EXISTING 4" BACKFLOW PREVENTER
2. IRRIGATION MAINLINE, PER IRRIGATION PLANS
3. BOOSTER PUMP, PER IRRIGATION PLANS (1/L42)
4. GATE VALVE
5. 4'-6" X 5'-6" VALVE BOX, PER (3/L42)
6. MASTER VALVE #1, 3" NORMALLY CLOSED (5/L42)
7. FLOW SENSOR #1, 3" PLASTIC (3/L42)
8. MASTER VALVE #2, 1" NORMALLY OPEN (3/L42)
9. FLOW SENSOR #2, 1" BRASS (3/L42)
10. CONTROLLER #1, PER IRRIGATION PLANS
11. CONTROLLER #2, PER IRRIGATION PLANS

1/L27 IRRIGATION POINT OF CONNECTION LAYOUT

0 2' 4' 8'

13.012-irrigation poc.dwg

FOR IRRIGATION LEGEND SEE SHEET L25
FOR IRRIGATION NOTES SEE SHEET L26

0 10' 20' 40'

NORTH

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CA PROJECT NO. 13.012

KEY MAP

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T 916.852.0123
F 916.852.0124

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PARK PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK IRRIGATION PLAN

LANDSCAPE ARCHITECT: BN
DESIGN BY/DRAWN BY: DMBC/JB
CAD FILE: 13.012
DATE: 12/1/13
SCALE: AS SHOWN
CAD SCALE: 1:1
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SHEET NO. L27 OF 65

I HAVE COMPLIED WITH THE CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

SIGNATURE — BENJAMIN A. WOODSIDE

INSTALL MAINLINE AT BACK OF SIDEWALK OVER CULVERT, PROVIDE MIN. 24" COVER OVER PIPE.

SEE EXISTING CONDITIONS AND DEMOLITION PLAN AND SITE CONSTRUCTION PLAN FOR ASPHALT TRENCH AND REPAIR ASSOCIATED WITH TRAIL CROSSING.

MATCHLINE D OF SHEET L26

ADD ALTERNATE #3
ADJUST IRRIGATION TO MAINTAIN HEAD TO HEAD COVERAGE AND AVOID OVERSPRAY ONTO COURT SURFACE.
UNDER BASE BID, INSTALL IRRIGATION AS SHOWN

LIMIT OF WORK

MABRY DRIVE

LIMIT OF WORK

MATCHLINE G OF SHEET L29

PROPERTY LINE

DOMESTIC WATER POINT OF CONNECTION #2: 1" WATER LINE, INSTALL METER AND BACKFLOW PREVENTER PER UTILITY PLANS.

IRRIGATION POINT OF CONNECTION #2: DOWNSTREAM END OF EXISTING 4" BACKFLOW PREVENTER, IN THIS APPROXIMATE LOCATION.

IRRIGATION POINT OF CONNECTION ENLARGEMENT

MATCHLINE H OF SHEET L30

Key	Size	GPM	Type
B1	1"	16	LOW
B2	1"	5	LOW
B20	1"	6	LOW
B21	1 1/2"	41	HIGH
B22	1 1/4"	22	HIGH
B23	1 1/4"	24	HIGH
B24	2"	72	HIGH
B25	2"	86	HIGH
B26	1"	15	HIGH
B27	2"	94	HIGH
B28	2"	94	HIGH
B29	1"	1	LOW
B30	1 1/4"	21	MED
B31	1"	12	HIGH
B32	1"	4	HIGH
B33	1 1/4"	38	HIGH
B34	1"	15	HIGH
B35	1 1/4"	22	HIGH
B36	1"	10	HIGH
B37	1 1/4"	24	HIGH

FOR IRRIGATION LEGEND SEE SHEET L25
FOR IRRIGATION NOTES SEE SHEET L26

0 10' 20' 40'

NORTH

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1110 Sun Center Drive, Suite 104
Rancho Cordova, CA 95670
916.852.8136
FAX 916.852.8139
www.callanderassociates.com

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KEY MAP

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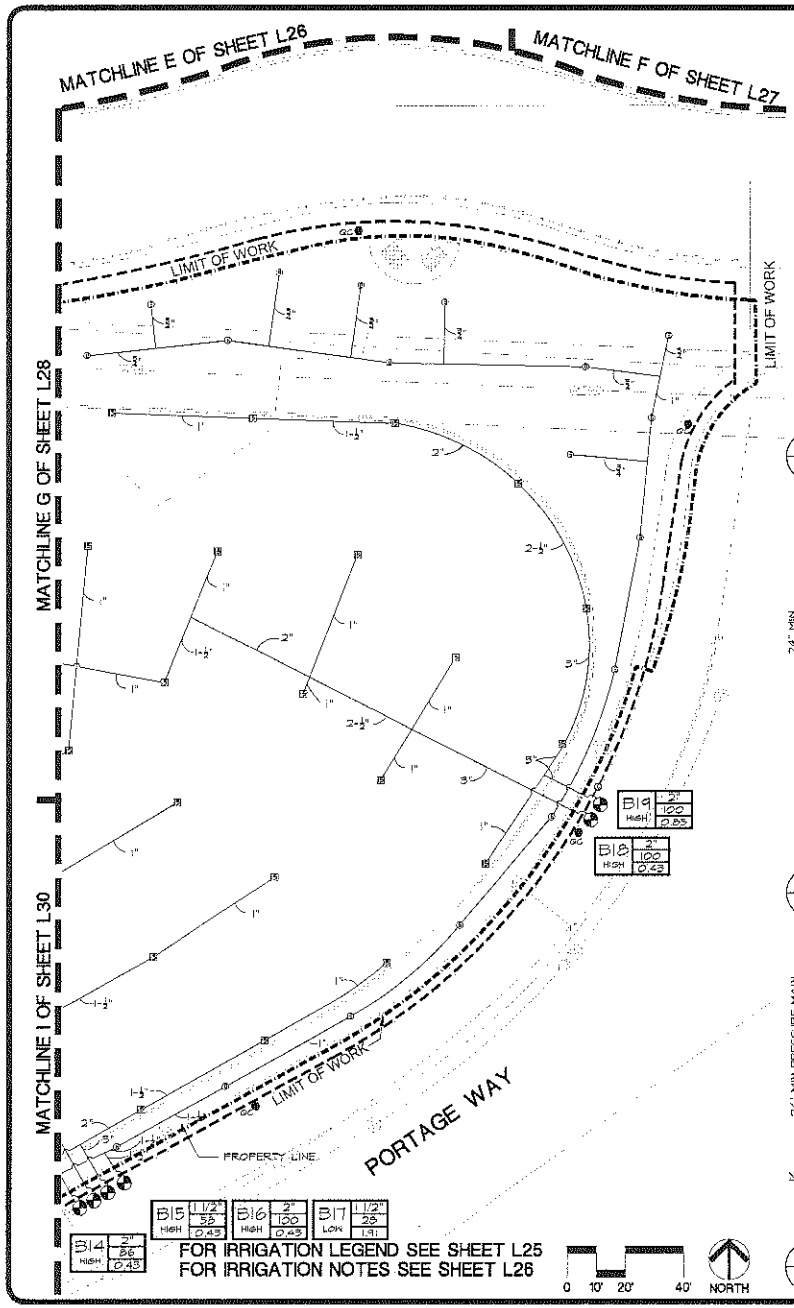
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

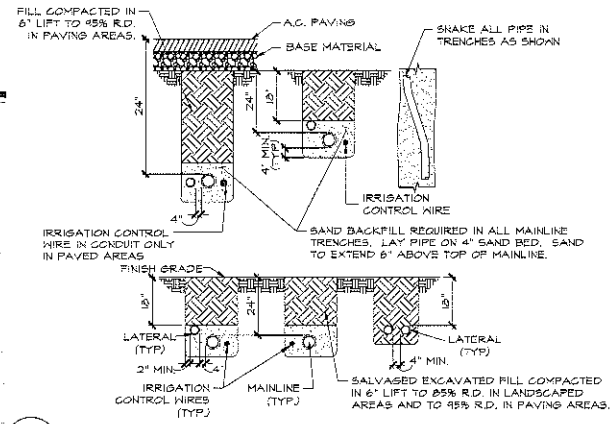
VALLEY OAK PARK IRRIGATION PLAN

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

SHEET NO. L28 OF 65



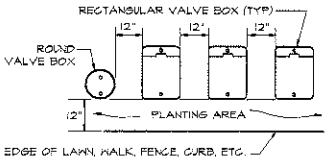
FOR IRRIGATION LEGEND SEE SHEET L25
FOR IRRIGATION NOTES SEE SHEET L26



1 / L29 TRENCHING N.T.S.

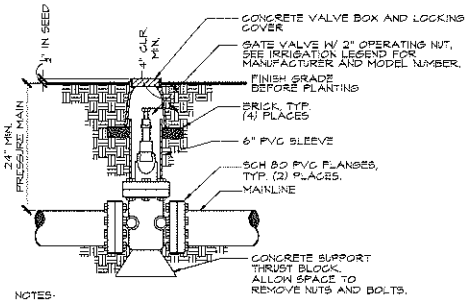
I HAVE COMPLIED WITH THE CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

SIGNATURE — BENJAMIN W. WOODSIDE



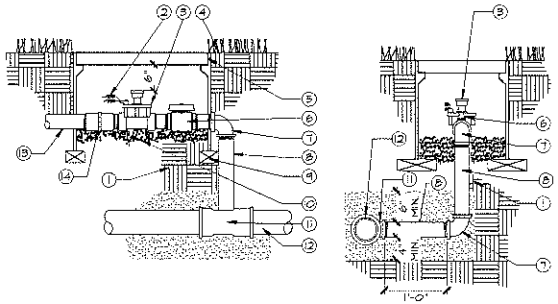
NOTES:
1. CENTER BOXES OVER VALVES.
2. SET BOXES IN GROUND COVER/SHRUB AREA WHERE POSSIBLE.
3. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
4. AVOID HEAVILY COMPACTING SOIL AROUND BOXES TO PREVENT DAMAGING VALVE BOXES.

2 / L29 VALVE BOX LAYOUT N.T.S.
13.012 city valve box.dwg



NOTES:
1. INSTALL GATE VALVES A MINIMUM OF 24" FROM STRUCTURES OR HARDSCAPING.
2. INSTALL GATE VALVES IN PLANTING BEDS WHEREVER POSSIBLE.
3. INSTALL VALVE BOX SO THAT TOP OF VALVE BOX IS FLUSH WITH ADJACENT HARDSCAPING.
4. SEE PLAN SHEETS FOR MORE INFORMATION.

3 / L29 GATE VALVE N.T.S.



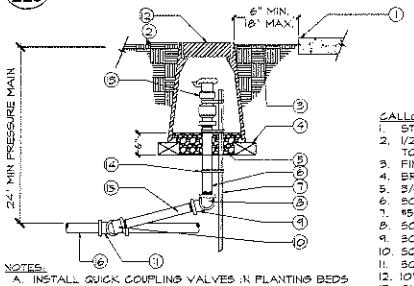
SECTION - FRONT VIEW

NOTES:
1. 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% R.D. IN PAVING AREAS.
2. VALVE CONTROL WIRE PROVIDE "5M DBY" SEAL PACKS AT ALL SPLICES & 36" OF EXCESS UP WIRE IN A 1" DIA. COIL.
3. REMOTE CONTROL VALVE.
4. FINISH GRADE.

SECTION - SIDE VIEW

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 NIPPLE.
9. BRICK - 1 @ EA. CORNER.
10. PEA GRAVEL.
11. SCH. 80 PVC TEE.
12. PVC MAIN LINE.
13. IRRIGATION LATERAL LINE.
14. SCH. 80 UNION.

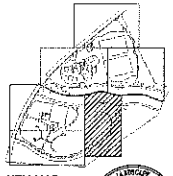
4 / L29 REMOTE CONTROL VLVE N.T.S.



NOTES:
A. INSTALL QUICK COUPLING VALVES IN PLANTING BEDS WHEREVER POSSIBLE.
B. SEE PLAN & SPECIFICATIONS FOR MORE INFORMATION.
C. SIZE OF ASSEMBLY TO BE EQUAL TO THE FIPT OF THE QUICK COUPLER.

CALLOUTS:
1. STRUCTURE OR PAVING
2. 1/2" ABOVE FINISH GRADE IN TURF AREAS AND FLUSH WITH THE TOP OF ADJACENT PAVING IN PLANTING BEDS..
3. FINISH GRADE BEFORE PLANTING.
4. BRICK SUPPORT, TYPICAL (2) PLACES.
5. 3/4" MINUS DRAIN ROCK.
6. SCHEDULE 80 PVC THREADED NIPPLE, 12" LONG.
7. #5 REBAR ANGLE IRON, 36" LONG.
8. SCHEDULE 80 PVC 90 DEGREES 127 ELL (FIPTxMIPT).
9. SCHEDULE 80 PVC 90 DEGREES 127 ELL (FIPTxMIPT).
10. SCHEDULE 80 PVC 90 DEGREES 127 ELL (FIPTxMIPT).
11. SCHEDULE 80 PVC TEE (SLIPxSLIPxFIPT).
12. 10" ROUND PLASTIC VALVE BOX WITH LOCKING COVER.
13. QUICK COUPLING VALVE. SEE PLANS OR SPECS FOR MANUFACTURER AND MODEL NUMBER.
14. STAINLESS STEEL HOSE CLAMPS, MINIMUM OF (3) PLACES.
15. SCHEDULE 80 PVC THREADED NIPPLE, 12" LONG.
16. MAINLINE

5 / L29 QUICK COUPLER VALVE N.T.S.



KEY MAP

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Calendar Associates
Landscape Architecture
11180 San Pierre Drive, Suite 191
Rancho Cordova, CA 95670
Phone: (916) 851-1212
Fax: (916) 851-1213
Contact: Bill Wood

Registration
Date: 12/11/13
"Expiration Date"
Seal
STATE OF CALIFORNIA

CA PROJECT NO. 13.012

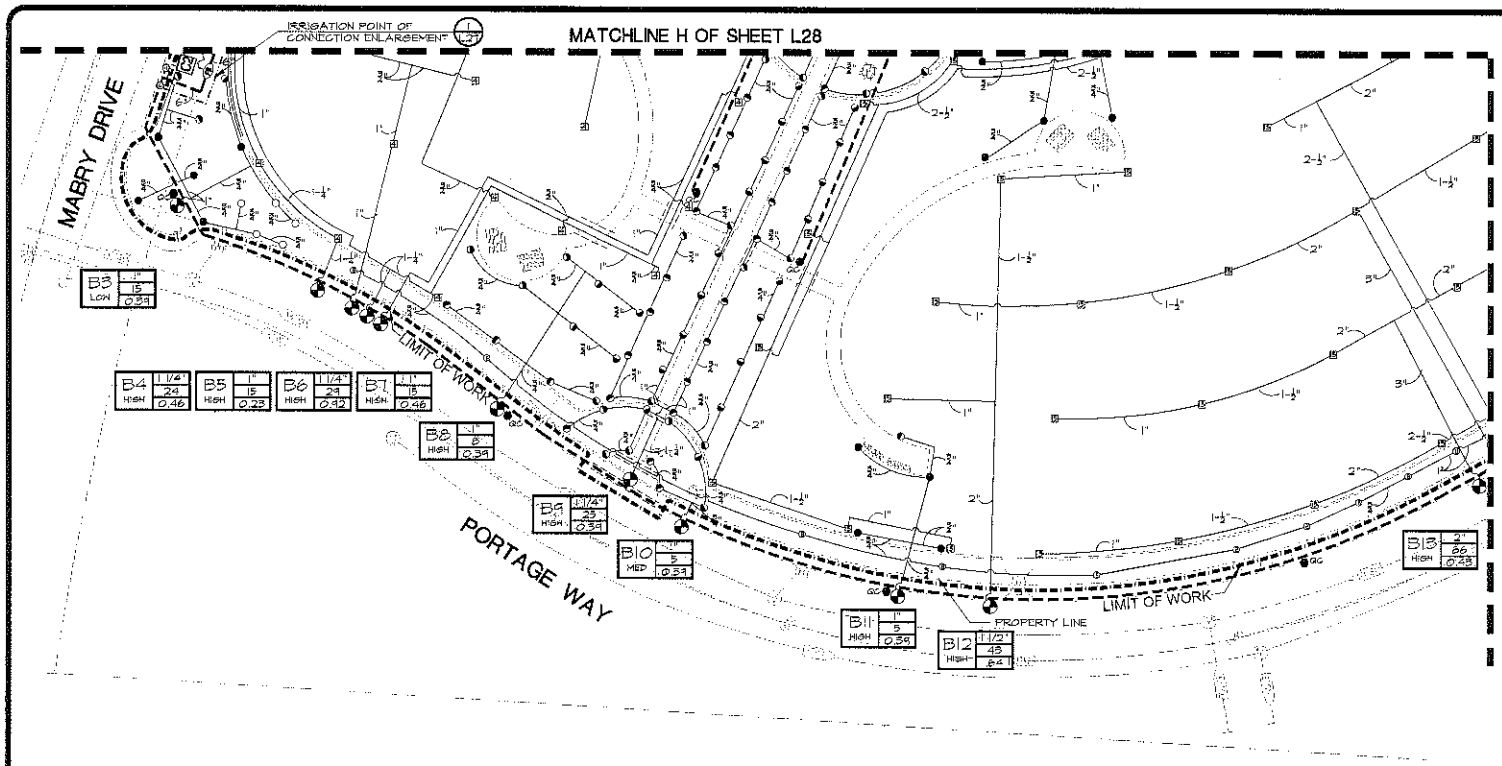
BID SET

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARKS, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

VALLEY OAK PARK IRRIGATION PLAN

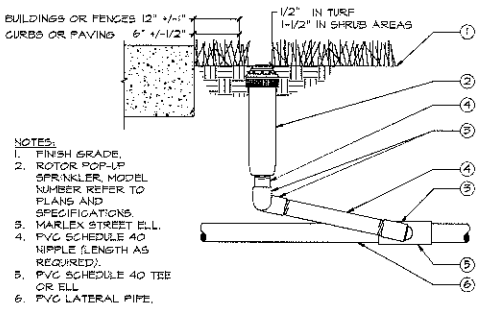
LANDSCAPE ARCHITECT: DM
DESIGN BY/DRAWN BY: DM/BG/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
T.I.N.: L18B2100
REVISIONS

SHEET NO. L29 OF 65



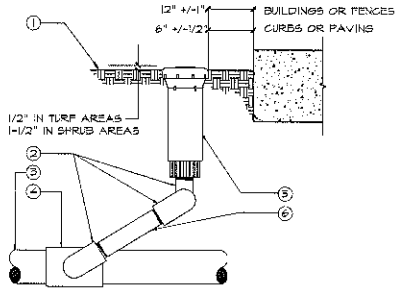
I HAVE COMPLIED WITH THE CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

SIGNATURE BENJAMIN K. WOODSIDE



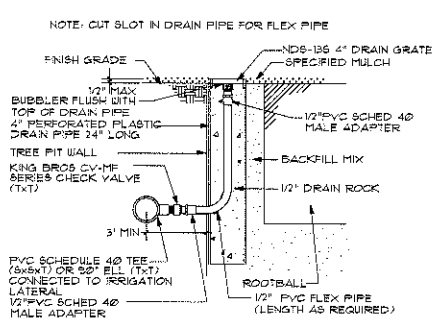
NOTES:
1. FINISH GRADE.
2. ROTOR POP-UP SPRINKLER, MODEL NUMBER REFER TO PLANS AND SPECIFICATIONS.
3. MARLEX STREET ELL.
4. PVC SCHEDULE 40 NIPPLE (LENGTH AS REQUIRED).
5. PVC SCHEDULE 40 TEE OR ELL
6. PVC LATERAL PIPE.

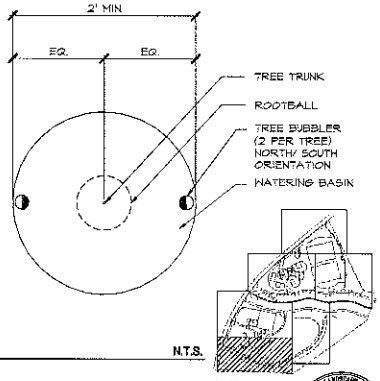
1 / L30 ROTOR HEAD N.T.S.



NOTES:
1. FINISH GRADE.
2. MARLEX STREET ELLS.
3. IRRIGATION LATERAL.
4. PVC SCHEDULE 40, 90 DEGREE ELL (5xT) OR TEE (5x5xT)
5. POP-UP SPRAY HEAD.
6. PVC SCHEDULE 40 NIPPLE. (LENGTH AS REQUIRED).

2 / L30 ROTARY SPRAY HEAD N.T.S.





3 / L30 TREE BUBBLER N.T.S.

KEY MAP

FOR IRRIGATION LEGEND SEE SHEET L25
FOR IRRIGATION NOTES SEE SHEET L26

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CaRender Associates Landscape Architecture

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LANDSCAPE ARCHITECTURE SECTION
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SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK IRRIGATION PLAN

LANDSCAPE ARCHITECT BK
DESIGN BY/DRAWN BY DM/BC/JB
CAD FILE 13.012
DATE 12/11/13
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CAD SCALE 1:1
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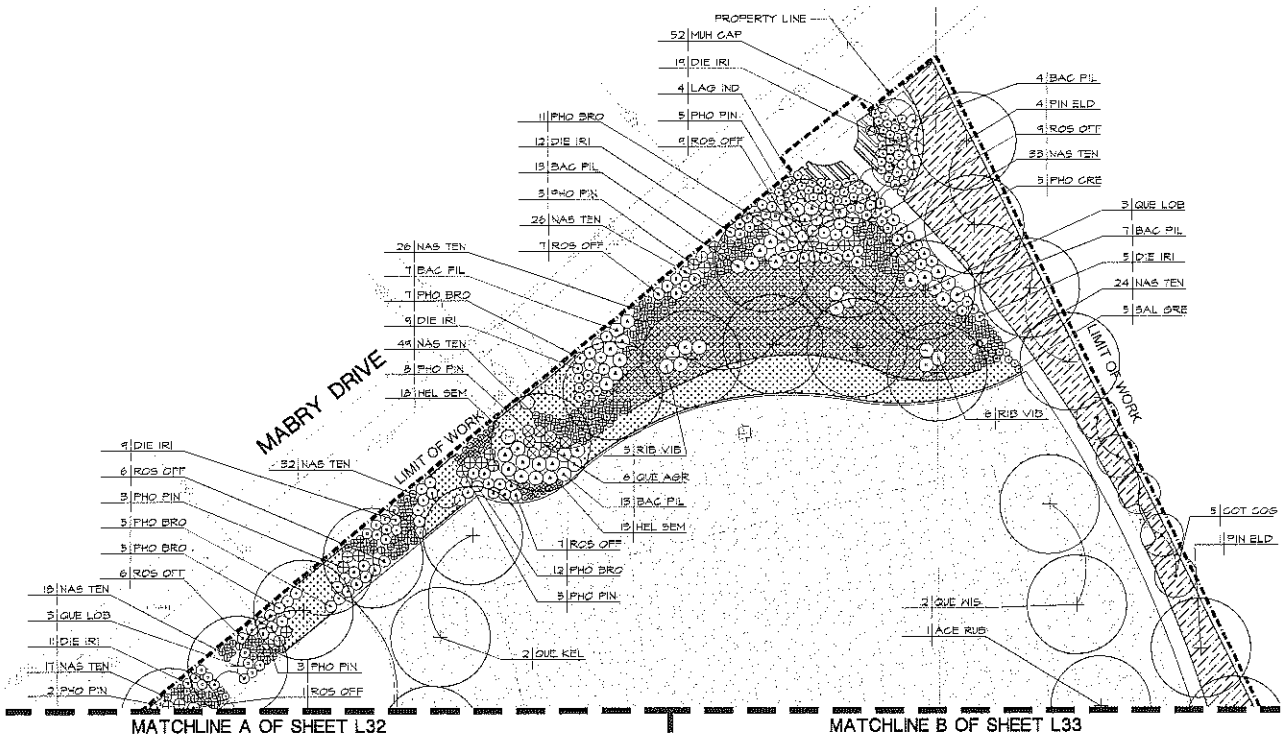
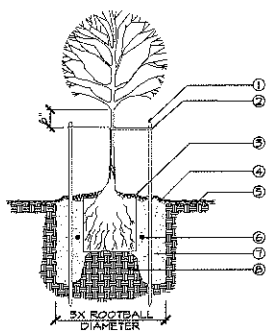


PLANTING STANDARD NOTES

1. IRRIGATION SYSTEM SHALL BE OPERATIONAL AND COVERAGE APPROVED PRIOR TO INSTALLATION OF PLANT MATERIALS.
2. ALL PLANT MATERIAL SHALL MATCH SPECIFICATIONS PER SPECIES, AND SHALL COMPLY WITH ANSI Z60.1 "STANDARD FOR NURSERY STOCK."
3. IMMEDIATELY UPON AWARD, CONTRACTOR SHALL SECURE PLANT MATERIALS AS SPECIFIED. CONTACT LANDSCAPE ARCHITECT FOR APPROVED SUBSTITUTIONS. NO SUBSTITUTIONS FOR PLANT MATERIAL WILL BE ALLOWED WITHOUT PRIOR WRITTEN CONSENT FROM THE LANDSCAPE ARCHITECT.
4. TREE LOCATIONS SHALL BE FIELD STAKED AND LOCATIONS APPROVED B THE LANDSCAPE ARCHITECT PRIOR TO PLANTING. TREE LOCATIONS MAY BE ADJUSTED IN THE FIELD TO SUIT SITE REQUIREMENTS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
5. ALL TREES SHALL BE PLANTED 10 FEET AWAY FROM NEW OR EXISTING WATER MAINS OR UTILITY LINES SHOWN ON THE PLANS.
6. REFER TO PLANTING DETAILS, PROJECT SPECIFICATIONS, AND CITY OF SACRAMENTO STANDARD SPECIFICATIONS FOR MATERIALS AND INSTALLATION PROCEDURES.
7. PLANT QUANTITIES SHOWN ARE FOR BIDDING REFERENCE ONLY. CONTRACTOR SHALL SUPPLY ALL PLANTS REQUIRED TO FULFILL DESIGN INTENT AS SHOWN ON PLANS.
8. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL PLANT MATERIAL FROM TIME OF DELIVERY TO TIME OF FINAL ACCEPTANCE. OWNER SHALL NOT BE RESPONSIBLE FOR LOSSES DUE TO VANDALISM, THEFT, OR SEVERE WEATHER.

PLANTING NOTES

1. MULCH: INSTALL A UNIFORM THREE INCH COVERING OF SMALL DECORATIVE BARK, 1/4 INCH TO 3/4 INCH PARTICLE SIZE, IN ALL NON-TURF PLANTING AREAS. MATERIAL AVAILABLE FROM SUN-UP FOREST PRODUCTS, INC. (916)737-0885.
2. EXISTING PLANT MATERIAL: PROTECT ALL EXISTING PLANT MATERIAL TO REMAIN. CONTRACTOR TO REPAIR ANY DAMAGES INCURRED AS A DIRECT RESULT OF THIS CONTRACT TO THE OWNER'S SATISFACTION AT NO ADDITIONAL COST.
3. GROUNDCOVER: PROVIDE GROUNDCOVER AT INDICATED ON-CENTER SPACING THROUGHOUT ALL PLANTING AREAS. GROUNDCOVER SHALL BE PROVIDED UP TO THE WATERING BASIN OF ALL TREES AND SHRUBS.
4. TOPSOIL: ALL PLANTING AREAS TO RECEIVE A SIX INCH LAYER OF NATIVE TOPSOIL PER SPECIFICATIONS.
5. SOILS TESTING: SEE SPECIFICATIONS FOR TESTING OF TOPSOIL AND AMENDMENTS. IN ADDITION, CONTRACTOR SHALL SUBMIT A FIVE GALLON SAMPLE OF NATIVE TOPSOIL FROM ANY AREAS PREVIOUSLY COVERED BY PAVING, TO SOIL AND PLANT LABORATORY, INC. OF SANTA CLARA, (408) 727-0330, FOR CONTAMINATION TESTING. TESTING REQUIRES FOUR TO FIVE WEEKS. CONTRACTOR SHALL ALLOW SUFFICIENT TIME FOR TESTING PRIOR TO CONSTRUCTION.

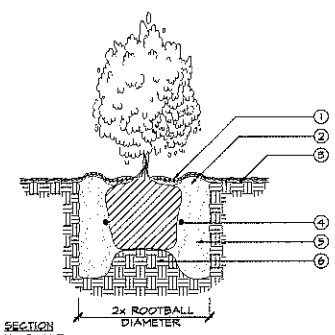


1. TREE STAKES: 2"ø x 8'-0" LODGEPOLE PINE, 2 PER TREE. EAST/ WEST ORIENTATION. CUT STAKES 2" ABOVE HIGHEST RUBBER TREE TIE.
2. RUBBER TREE TIES: 2 PER STAKE, WRAP NO WIRE AROUND TRUNK OR LIMB.
3. MULCH: 3" LAYER.
4. 3" HIGH EARTH WATERING BERM IN PLANTER AREA ONLY.
5. FINISH GRADE. KEEP ROOT CROWN 2" ABOVE FINISH GRADE.
6. PLANT TABS, SEE SPECIFICATIONS.
7. PREPARED BACKFILL, SEE SPECIFICATIONS.
8. EXISTING UNDISTURBED SOIL.

1 / L31 TREE PLANTING N.T.S.

15.012 city tree.DWG

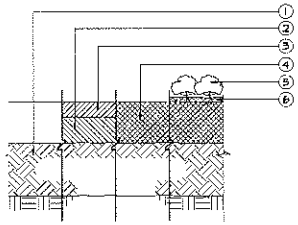
FOR PLANTING LEGEND SEE SHEET L35



SECTION
NO SCALE

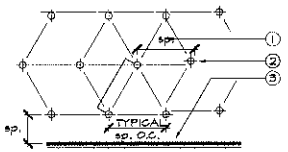
1. 3" LAYER OF APPROVED MULCH.
2. 2" HIGH EARTH MOUND.
3. FINISH GRADE. PLANT ROOT CROWN 1" ABOVE FINISH GRADE.
4. FERTILIZER TABLETS - SEE SPECIFICATIONS.
5. PREPARED BACKFILL, SEE SPECIFICATIONS.
6. PLACE ROOTBALL ON SMALL MOUND OF TAMPED/ FIRM TOPSOIL.

2 / L31 SHRUB PLANTING N.T.S.



SECTION
NO SCALE

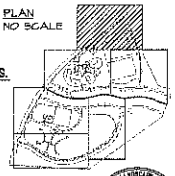
1. RIP OR SCARIFY TOP 12" OF SUBGRADE.
2. ADD 6" OF AMENDED TOPSOIL. TOPSOIL SHALL BE PHYSICALLY AND CHEMICALLY COMPATIBLE WITH SUBSOIL.
3. ADD AMENDMENTS AND FERTILIZER PER SOILS REPORT.
4. ROTOTILL AMENDMENTS INTO TOPSOIL.
5. PLANT GROUNDCOVER: TRIANGULAR SPACING (SEE PLAN).
6. ADD 3" OF APPROVED MULCH.



PLAN
NO SCALE

1. GROUNDCOVER SPACING: SEE PLANTING LEGEND.
2. GROUNDCOVER CENTERS.
3. WALL, WALK OR EDGE OF GROUNDCOVER PLANTING.

3 / L31 GROUNDCOVER SPACING N.T.S.



KEY MAP

0 10' 20' 40'

NORTH

811 Know what's below. Call before you dig.

Calander Associates Landscape Architecture
11180 Sun Center Drive, Suite 104
Rancho Cordova, CA 95670
P 916.851.1313
F 916.851.1314

CA PROJECT NO. 13.012

BID SET

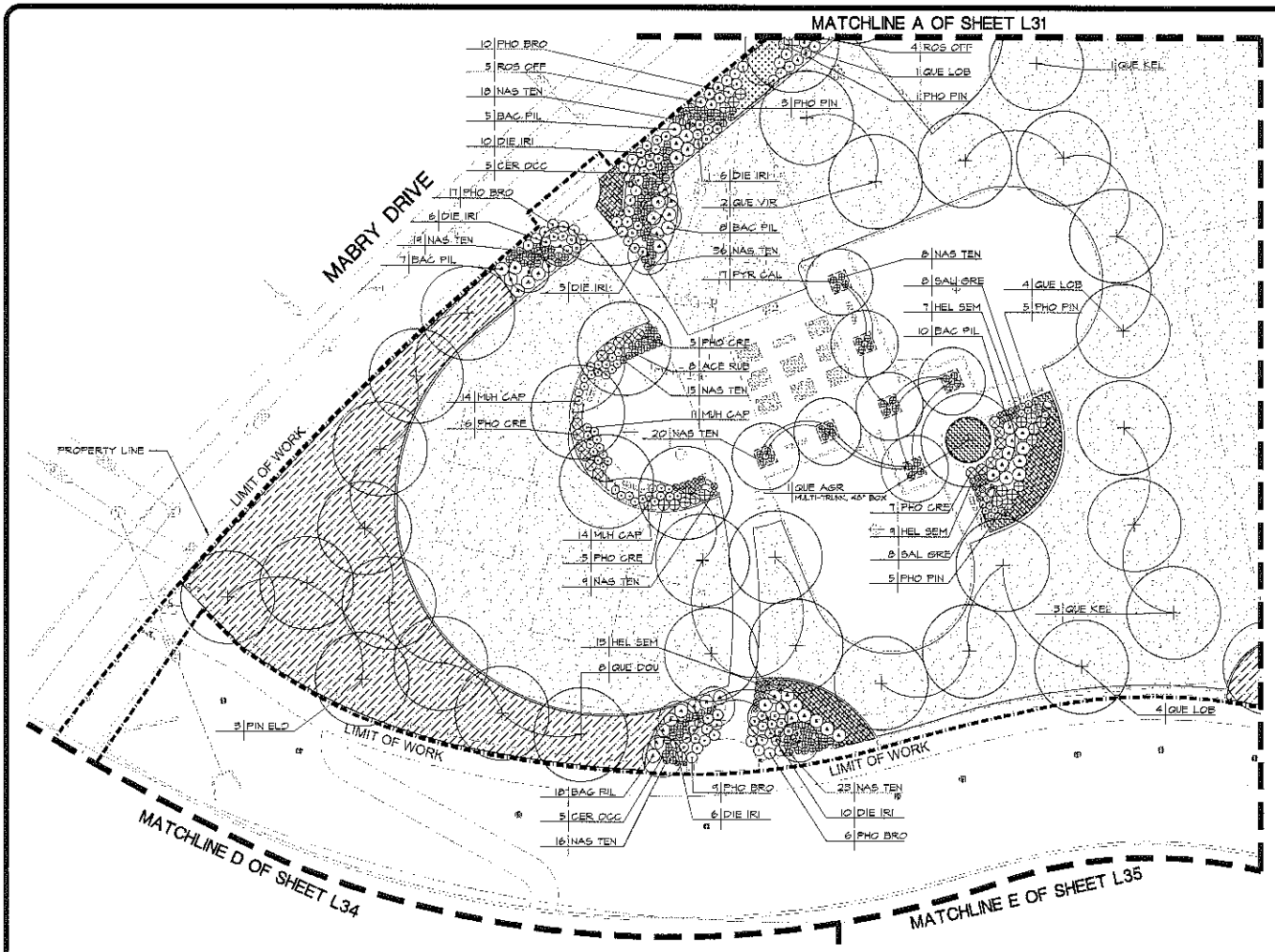
CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK
PLANTING PLAN

LANDSCAPE ARCHITECT: PK
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19192100
REVISIONS

SHEET NO. L31 OF 65



FOR PLANTING NOTES SEE SHEET L31
FOR PLANTING LEGEND SEE SHEET L35

0 10' 20' 40'

NORTH

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CA PROJECT NO. 13.012

KEY MAP

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LANDSCAPE ARCHITECTURE SECTION
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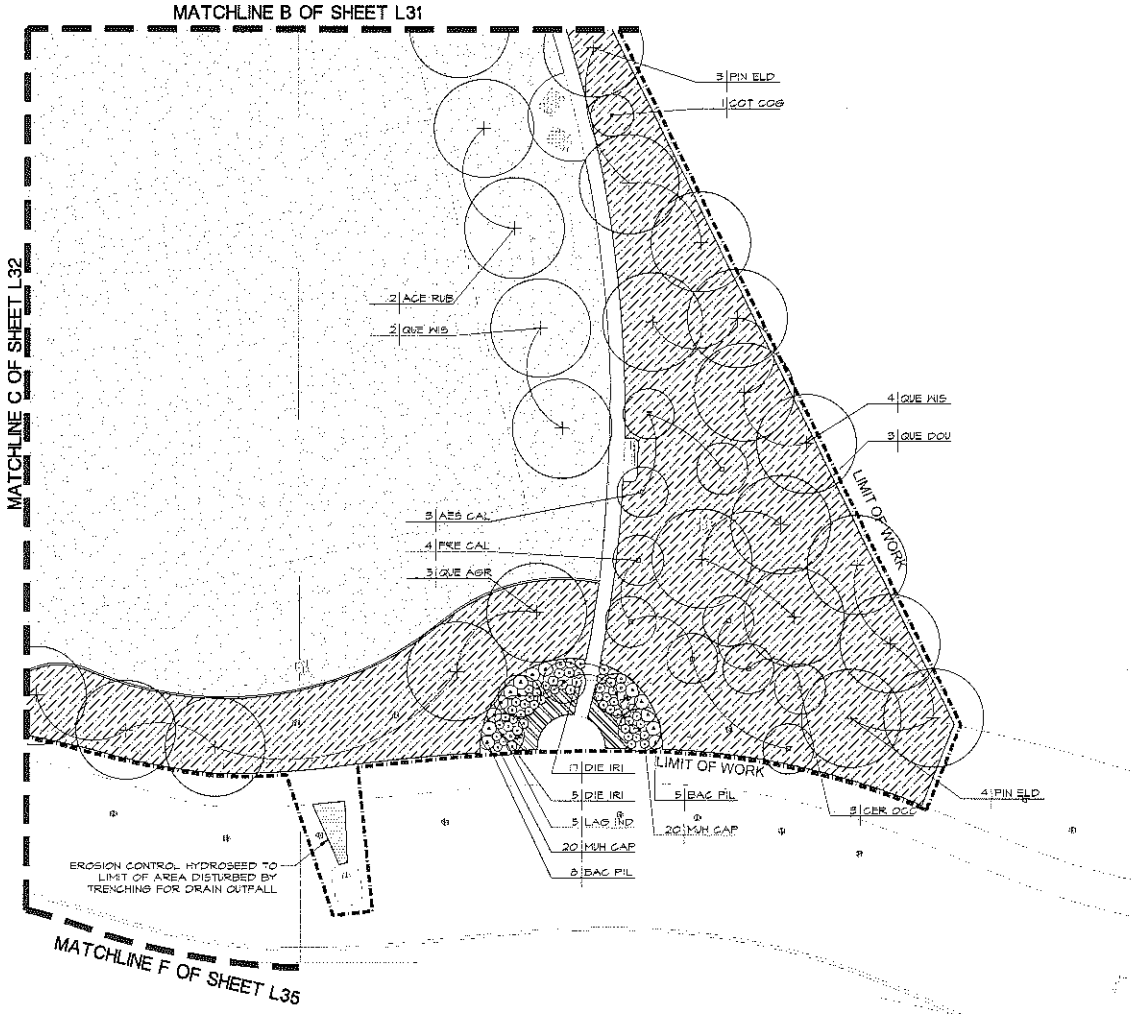
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK PLANTING PLAN

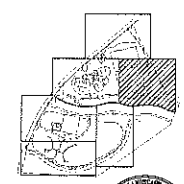
LANDSCAPE ARCHITECT: PM
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/1/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

SHEET NO. L32 of 65



FOR PLANTING NOTES SEE SHEET L31
FOR PLANTING LEGEND SEE SHEET L35

BID SET



KEY MAP

0 10' 20' 40'

NORTH

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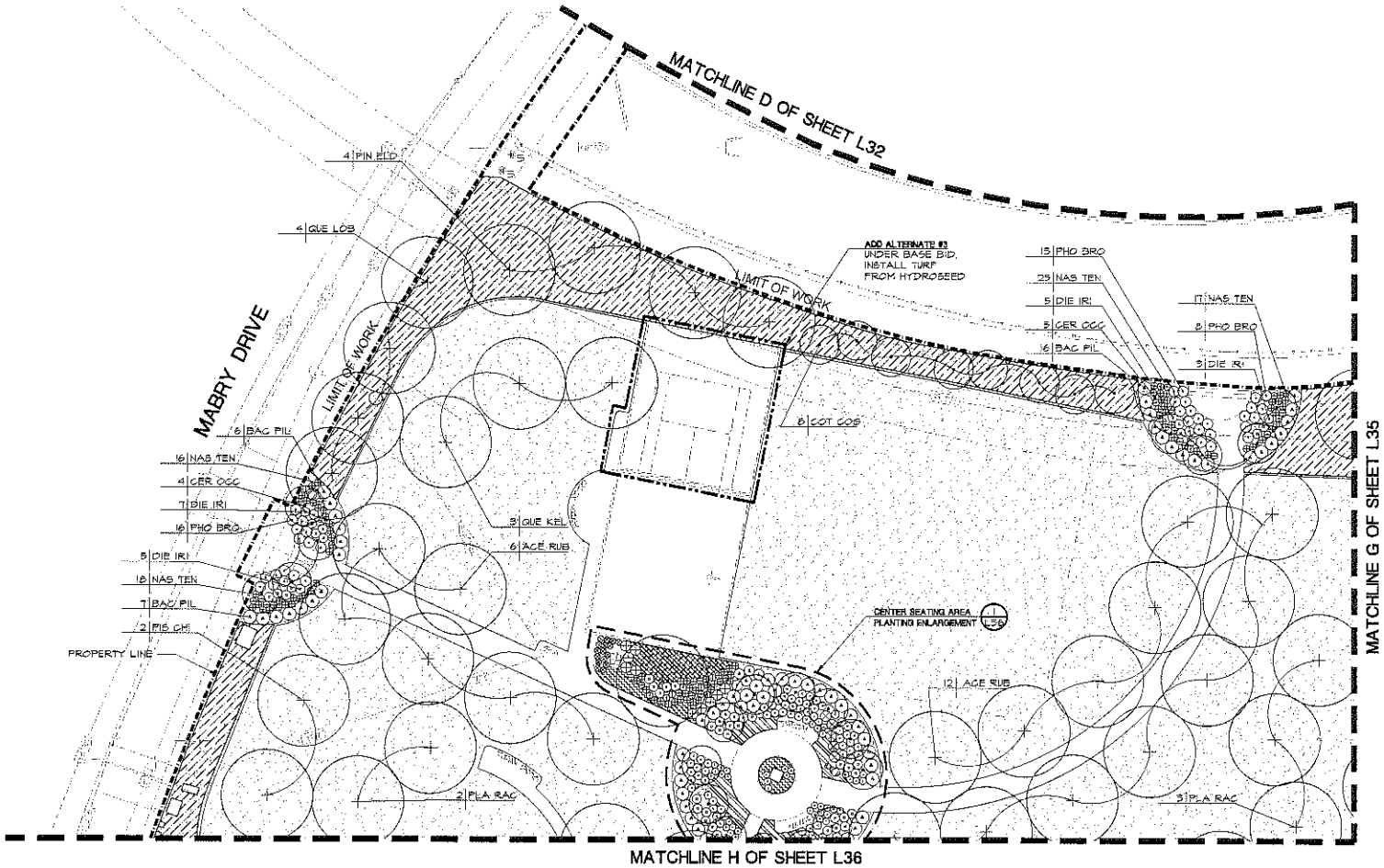
PARK, PLANNING, DESIGN & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK PLANTING PLAN

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19:82:00
REVISIONS

SHEET NO. L33 OF 65



FOR PLANTING NOTES SEE SHEET L31
FOR PLANTING LEGEND SEE SHEET L35

0 10' 20' 40'

NORTH

Know what's below. Call before you dig.

CA PROJECT NO. 13.012

KEY MAP

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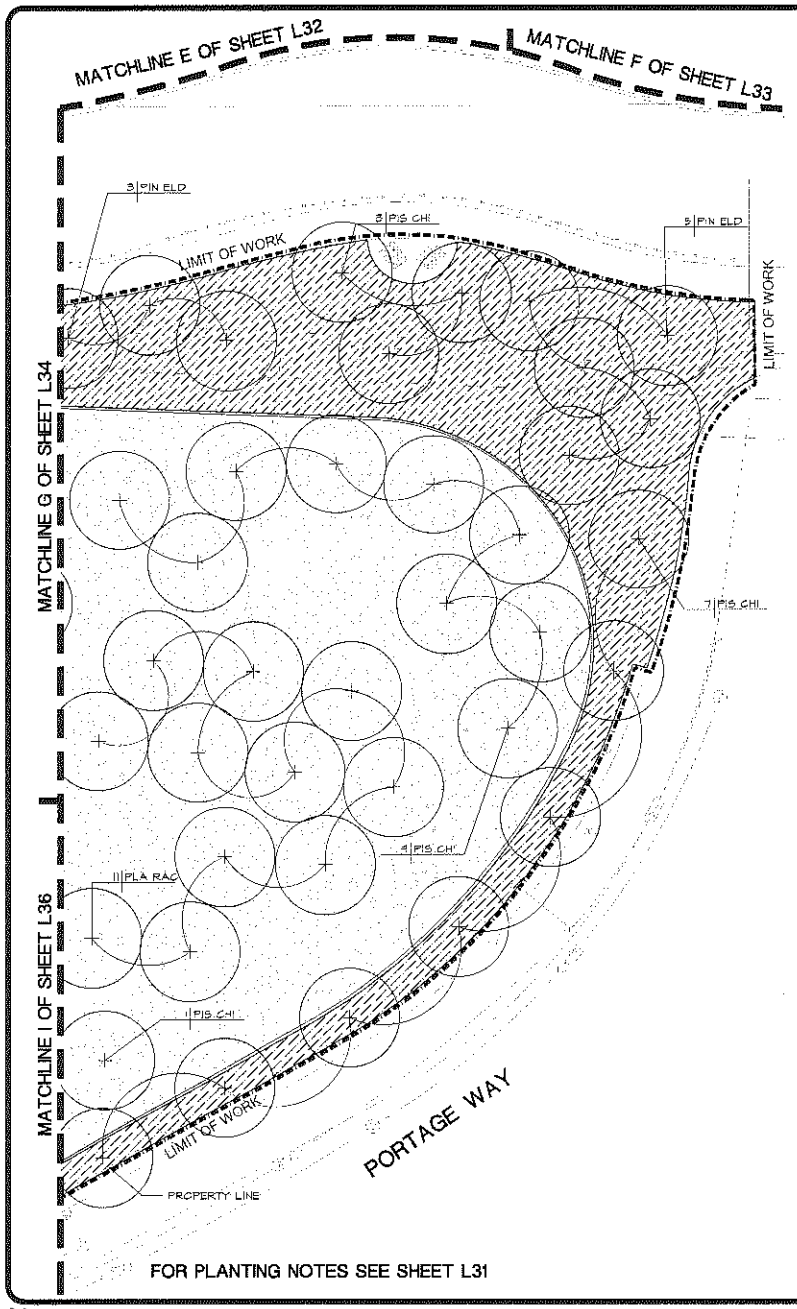
CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK PLANNING, DESIGN & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK PLANTING PLAN

LANDSCAPE ARCHITECT: BK
DESIGN BY/DRAWN BY: DK/BC/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

SHEET NO. L34 OF 65



FOR PLANTING NOTES SEE SHEET L31

PLANT LIST

ABBREV/SYMB.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING/REMARKS	WATER USE
TREES					
ACE RUB	ACER RUBRUM 'BRANDYWINE'	BRANDYWINE RED MAPLE	24" BOX	STANDARD	H
PIN ELD	PINUS ELDARICA	AFGHAN PINE	15 GAL	STANDARD	L
PIS CHI	PISTACIA CHINENSIS	CHINESE PISTACHE	24" BOX	STANDARD	L
PLA RAC	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	15 GAL	STANDARD	M
QUE AGR	QUERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL, UNLESS OTHERWISE INDICATED ON PLANS	STANDARD, UNLESS OTHERWISE INDICATED ON PLANS	VL
QUE DOU	QUERCUS DOUGLASII	BLUE OAK	15 GAL	STANDARD	VL
QUE KEL	QUERCUS KELLOGGII	BLACK OAK	15 GAL	STANDARD	M
QUE LOB	QUERCUS LOBATA	VALLEY OAK	15 GAL	STANDARD	L
QUE VIR	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	15 GAL	STANDARD	L
QUE WIS	QUERCUS WISLIZENII	INTERIOR LIVE OAK	15 GAL	STANDARD	VL
SMALL TREES					
AES CAL	AESCULUS CALIFORNICA	CALIFORNIA HORSE CHESTNUT	15 GAL	STANDARD	VL
CER OCC	CERCIS OCCIDENTALIS	WESTERN REDBUD	24" BOX	STANDARD	VL
COT COG	COTINUS COGGYGRIA 'ROYAL PURPLE'	ROYAL PURPLE SMOKE BUSH	15 GAL	STANDARD	L
FRE CAL	FREMONTODENDRON CALIFORNICA	CALIFORNIA GLORY FLANNEL BUSH	15 GAL	STANDARD	VL
LAG IND	LAGERSTROEMIA INDICA 'CATAWBA'	CATAWBA CRAPE MYRTLE	24" BOX	MULTI-TRUNK	L
SHRUBS/ GROUNDCOVER					
BAC PIL	BACCHARIS PILULARIS	DWARF COYOTE BRUSH	1 GAL	3'-0"	L
	BOUTELOUA GRACILIS	BLUE GRAMA GRASS	1 GAL	1'-6"	L
DIE IRI	DIETES IRIDOIDES	FORTNIGHT LILY	1 GAL	3'-6"	L
	HEMEROCALLIS 'STELLA DE ORO'	STELLA D'ORO DAYLILY	1 GAL	2'-0'	M
HEL SEM	HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	1 GAL	2'-0'	L
	JUNIPERUS SABINA 'BUFFALO'	BUFFALO JUNIPER	5 GAL	5'-0"	L
MUH CAP	MUHLENBERGIA CAPILLARIS	PINK MUHLY	1 GAL	3'-0'	M
	MYOPORUM PARVIFOLIUM 'PUTAH CREEK'	PUTAH CREEK MYOPORUM	1 GAL	5'-0"	L
NAS TEN	NASSELLA TENUISSIMA	MEXICAN FEATHER GRASS	1 GAL	3'-0'	L
PHO BRO	PHORMIUM 'BRONZE BABY'	BRONZE BABY NEW ZEALAND FLAX	1 GAL	4'-0'	L
PHO CRE	PHORMIUM 'CREAM DELIGHT'	CREAM DELIGHT NEW ZEALAND FLAX	1 GAL	4'-6'	L
PHO PIN	PHORMIUM 'PINK STRIPE'	PINK STRIPE NEW ZEALAND FLAX	1 GAL	4'-0"	L
RIB VIB	RIBES VIBURNIFOLIUM	EVERGREEN CURRANT	1 GAL	5'-0"	L
ROS OFF	ROSMARINUS OFFICINALIS 'PROSTRATUS'	CREEPING ROSEMARY	1 GAL	4'-0"	L
SAL GRE	SALVIA GREGGII 'FURMANS RED'	FURMAN'S RED AUTUMN SAGE	1 GAL	2'-6'	L
	SPOROBOLUS HETEROLEPIS	PRIAIRE DROPSEED	1 GAL	5'-0'	L

TURF

TURF FROM HYDROSEED - 80% DWARF FESCUE, 10% DWARF KENTUCKY BLUEGRASS

BARK MULCH ONLY, THREE INCH LAYER PER PLANTING NOTE 1.

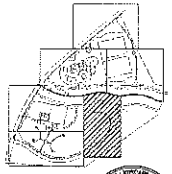
EROSION CONTROL HYDROSEED: SACRAMENTO VALLEY-CRITICAL EROSION CONTROL MIX AS AVAILABLE FROM PAC COAST SEED, OR EQUAL. BLEND MIX SHALL CONSIST OF :

BROMUS HORDEACEUS (BLANDO BROMEGRASS	15 LBS/ACRE
TRIFOLIUM HIRTUM (ROSE CLOVER)	10 LBS/ACRE
VULPIA MYUROS (ZORRO FESCUE)	5 LBS/ACRE
LOLIUM RISIDUM (NEMMERA 62 RYEGRASS)	40 LBS/ACRE

LARGE, MEDIUM, AND SMALL BOULDERS SHALL BE "SIERRA BOULDER" AS AVAILABLE FROM CASCADE ROCK (916) 383-1300. SIZE AND QUANTITIES SHALL BE:

SIZE	QUANTITY
LARGE (36"-42")	9
MEDIUM (24"-30")	9
SMALL (12"-18")	15

ROOT BARRIER, PER SPECS



KEY MAP

0 10' 20' 40'

NORTH

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Folsom, California 95630
916.983.9333
FAX 916.983.9110

CA PROJECT NO. 13.012

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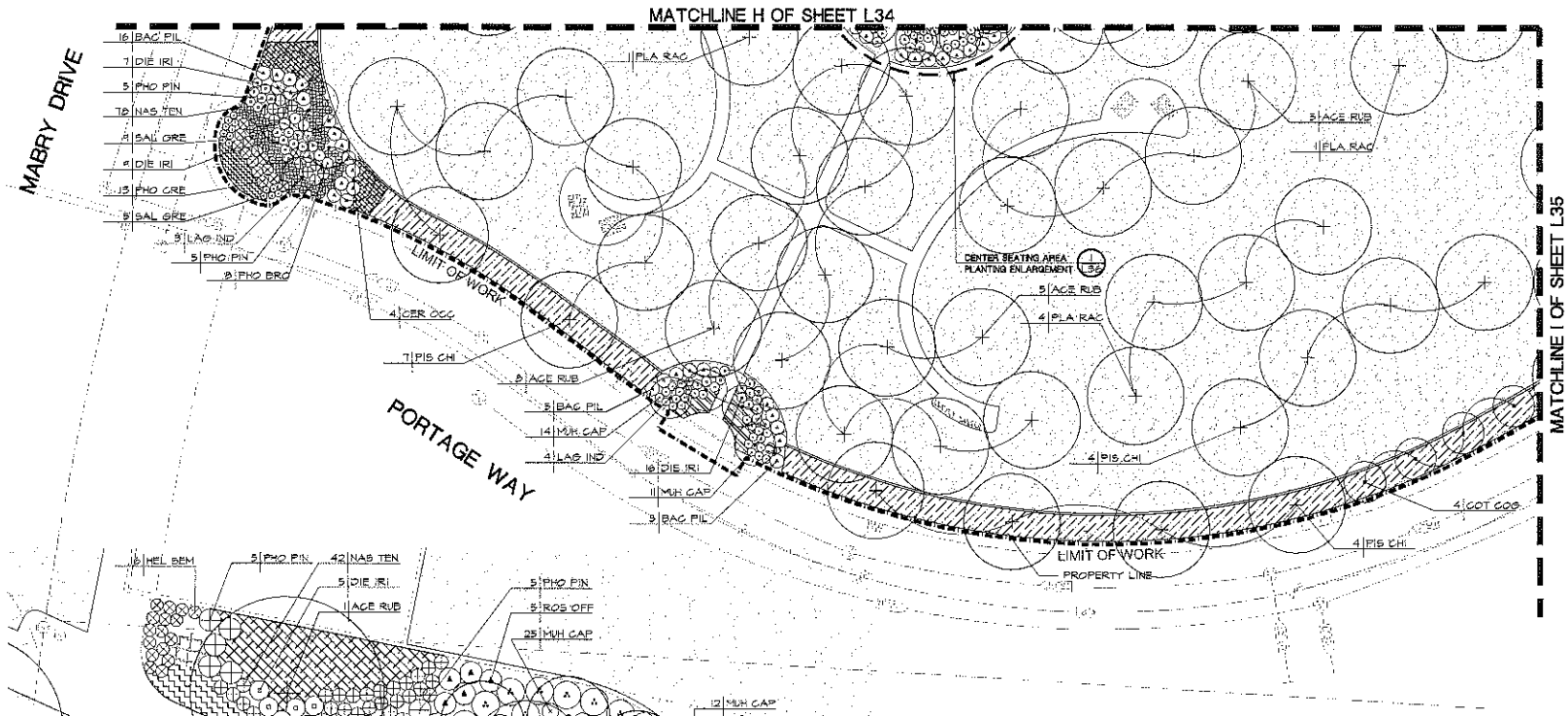
CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

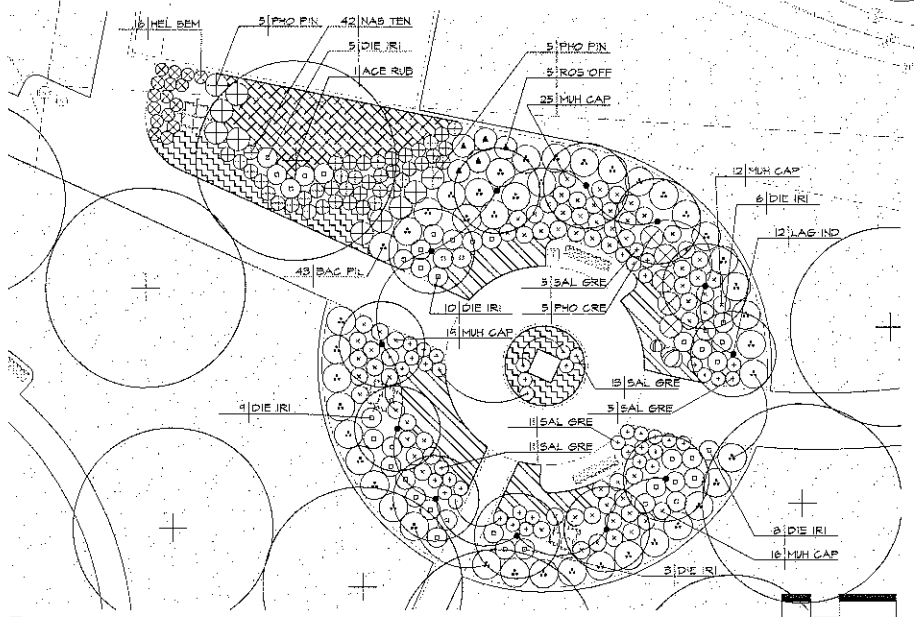
VALLEY OAK PARK - P.N.

VALLEY OAK PARK PLANTING PLAN

LANDSCAPE ARCHITECT: PN
DESIGN BY/DRAWN BY: DK/BS/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: 4918-2100
REVISIONS:

SHEET NO. L35 OF 65





1 L36 CENTER SEATING AREA PLANTING ENLARGEMENT

FOR PLANTING NOTES SEE SHEET L31
FOR PLANTING LEGEND SEE SHEET L35

0 10' 20' 40'

NORTH

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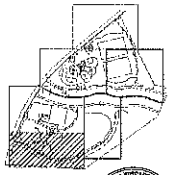
1110 Rio Linda Blvd., Suite 104
Sacramento, CA 95811
T 916.930.9700
F 916.930.9701

CA PROJECT NO. 13.012



KEY MAP

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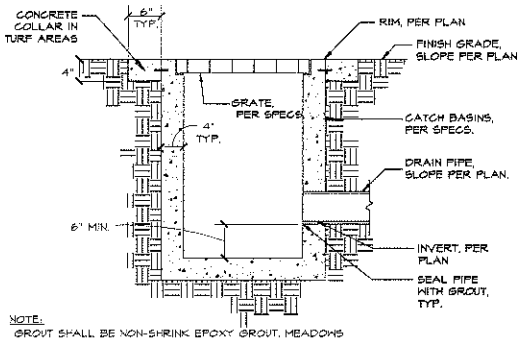
CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK PLANTING PLAN

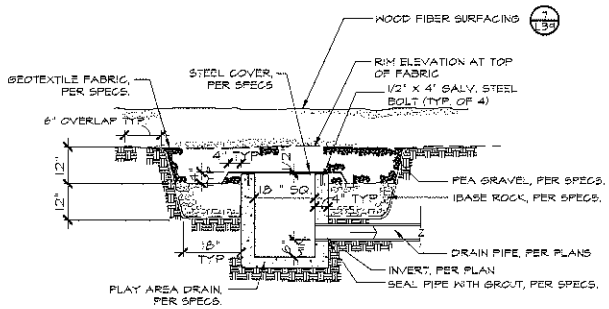
LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/1/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19152100
REVISIONS

SHEET NO. L36 OF 65

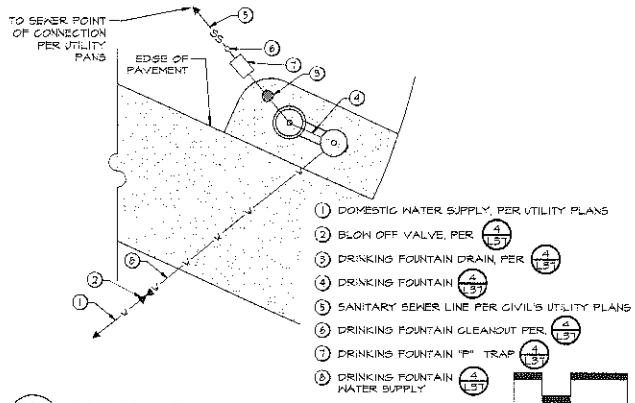


NOTE:
GROUT SHALL BE NON-SHRINK EPOXY GROUT, MEADOWS "SEAL-TIGHT", OR APPROVED EQUAL.

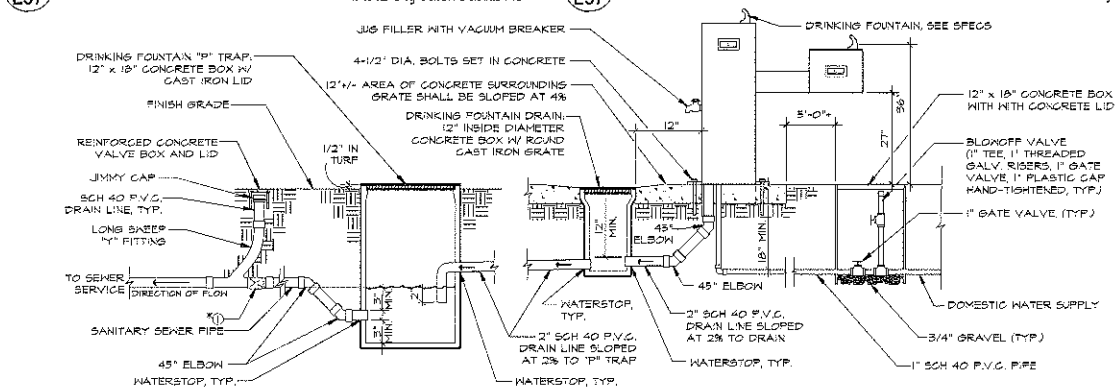
1 L37 CATCH BASIN N.T.S.
13.012 city catch basin.DWG



2 L37 PLAY AREA DRAIN N.T.S.
PlayCatchM1.dwg

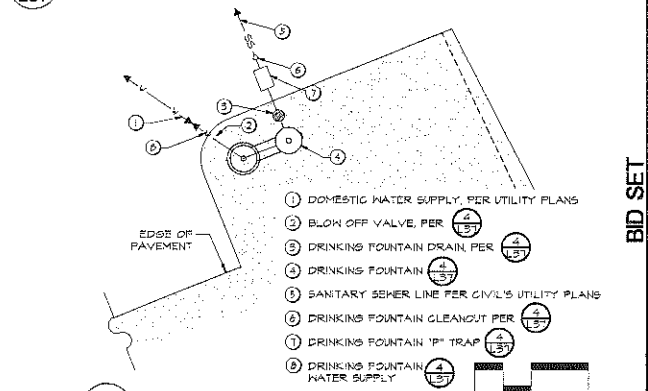


3 L37 DRINKING FOUNTAIN AREA A
PLAN VIEW
13.012_Drkg_Fth_A.dwg

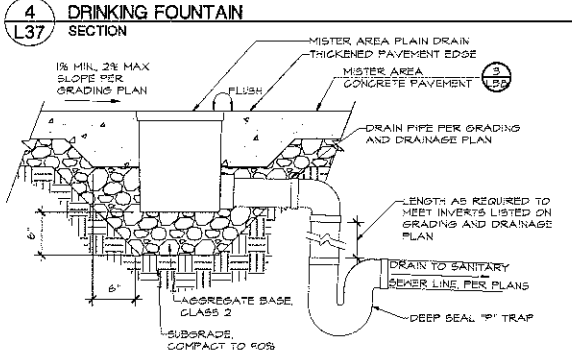


NOTE:
*(1) WHEN TOP OF GRATE IS LOWER THAN THE NEXT UPSTREAM MANHOLE COVER, A BACKWATER VALVE IS REQUIRED AT THIS LOCATION.

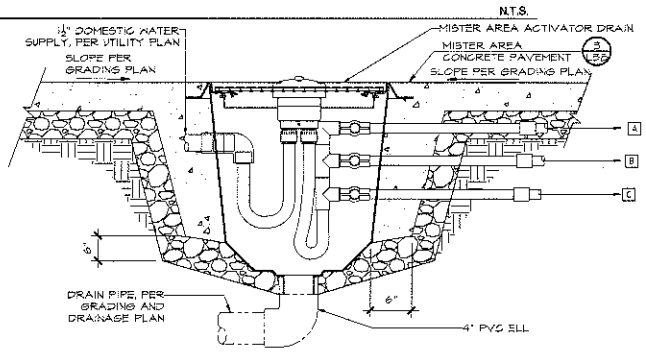
4 L37 DRINKING FOUNTAIN N.T.S.
SECTION



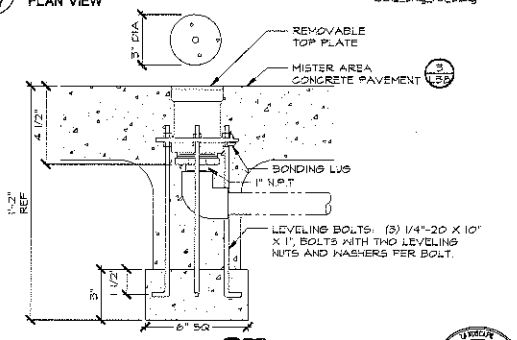
5 L37 DRINKING FOUNTAIN AREA B
PLAN VIEW
13.012_Drkg_Fth_B.dwg



6 L37 MISTER AREA PLAIN DRAIN N.T.S.



7 L37 MISTER AREA ACTIVATOR DRAIN N.T.S.



8 L37 MISTER JET N.T.S.

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Rancho Cordova, CA 95670
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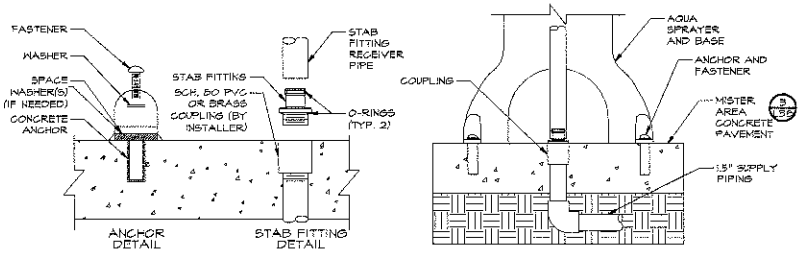
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

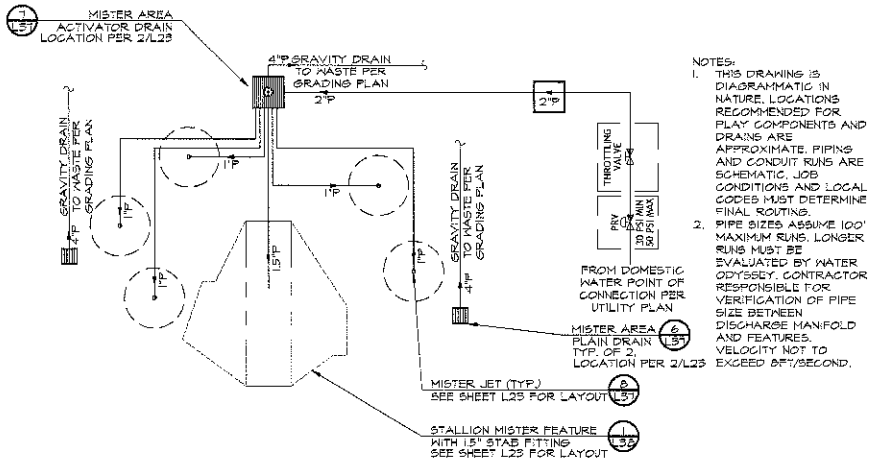
VALLEY OAK PARK CONSTRUCTION DETAILS

LANDSCAPE ARCHITECT: EW
DESIGN PT/DRAWN BY: DW/BG/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

SHEET NO. L37 OF 65

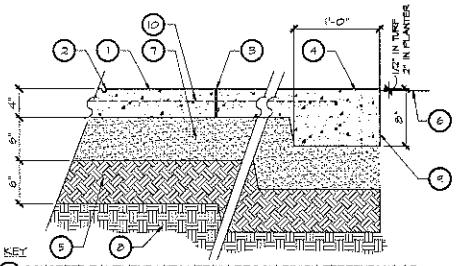


1 / L38 STALLION MISTER FEATURE BASE N.T.S.



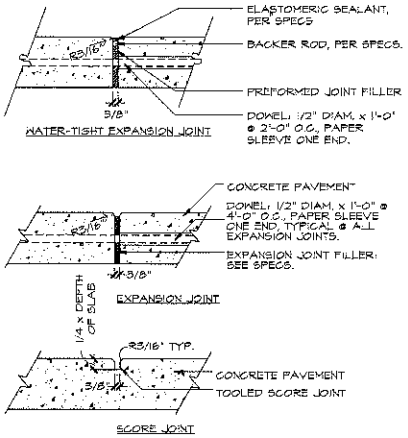
NOTES:
1. THIS DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS RECOMMENDED FOR PLAY COMPONENTS AND DRAINS ARE APPROXIMATE. PIPING AND CONDUIT RUNS ARE SCHEMATIC. JOB CONDITIONS AND LOCAL CODES MUST DETERMINE FINAL ROUTING.
2. PIPE SIZES ASSUME 100' MAXIMUM RUNS. LONGER RUNS MUST BE EVALUATED BY WATER ODYSSEY. CONTRACTOR RESPONSIBLE FOR VERIFICATION OF PIPE SIZE BETWEEN DISCHARGE MANIFOLD AND FEATURES. VELOCITY NOT TO EXCEED 8FT/SECOND.

2 / L38 MISTER PIPING DIAGRAM N.T.S.

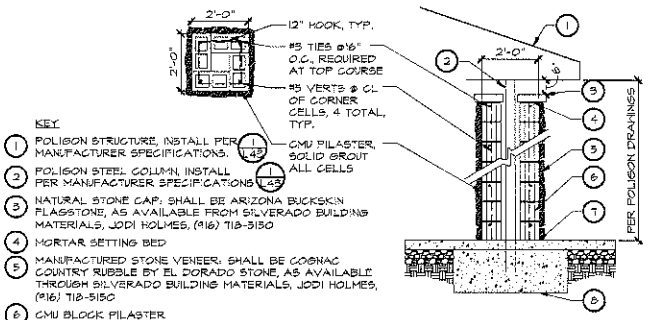


KEY
1. CONCRETE PAVEMENT WITH MEDIUM BROOM FINISH PERPENDICULAR TO WALKWAY EDGE.
2. SCORE JOINT
3. EXPANSION JOINT — 4/L38
FOR MISTER AREA CONCRETE PAVEMENT, PROVIDE WATER-TIGHT EXPANSION JOINT PER 4/L38
4. TOOLED EDGE, TYP.
5. ENGINEERED FILL COMPACTED TO 90%
6. FINISH GRADE
7. AGGREGATE BASE, COMPACTED TO 90%.
8. NATIVE SUBGRADE
9. THICKEN EXTERIOR EDGES WHEN ADJACENT TO PLAY AREA AND ALL CONCRETE AREAS 5'-0" AND WIDER, BOTH SIDES
10. #5 REBAR 18" O.C. BOTH WAYS

3 / L38 CONCRETE PAVEMENT/ MISTER AREA N.T.S.
15.012 city concrete.DWG



4 / L38 CONCRETE JOINTS
0 1/4' 1/2' 1'
15.012 city concrete joints.dwg



KEY
1. POLISON STRUCTURE, INSTALL PER MANUFACTURER SPECIFICATIONS. — 1/L43
2. POLISON STEEL COLUMN, INSTALL PER MANUFACTURER SPECIFICATIONS — 1/L43
3. NATURAL STONE CAP: SHALL BE ARIZONA BUCKSKIN FLAGSTONE, AS AVAILABLE FROM SILVERADO BUILDING MATERIALS, JODI HOLMES, (916) 718-5150
4. MORTAR SETTING BED
5. MANUFACTURED STONE VENEER: SHALL BE COGNAC COUNTRY RUBBLE BY EL DORADO STONE, AS AVAILABLE THROUGH SILVERADO BUILDING MATERIALS, JODI HOLMES, (916) 718-5150
6. CMU BLOCK PILASTER
7. CAULK AND SEAL BASE OF VENEER AT CONCRETE SLAB. COLOR TO BE BEIGE.
8. SHELTER COLUMN FOOTING, PER SHELTER PLANS. — 1/L43

NOTE: INSTALL EL DORADO STONE VENEER PER MANUFACTURER SPECIFICATIONS.

5 / L38 SHADE STRUCTURE STONE FASCIA AND NATURAL STONE CAP
0 1' 2' 4'
15.012-masonry column wrap.dwg

BID SET

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F 916.851.0118

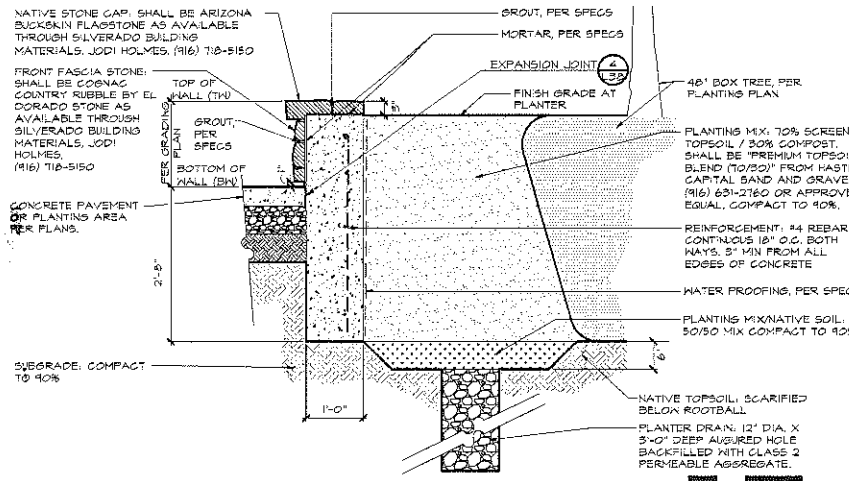
CA PROJECT NO. 13.012

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

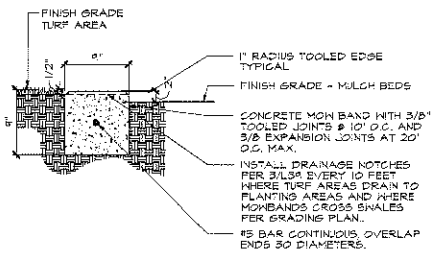
VALLEY OAK PARK CONSTRUCTION DETAILS

LANDSCAPE ARCHITECT: PN
DESIGN BY/DRAWN BY: DM/BC/LB
CAD FILE: 15.012
DATE: 12/11/12
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

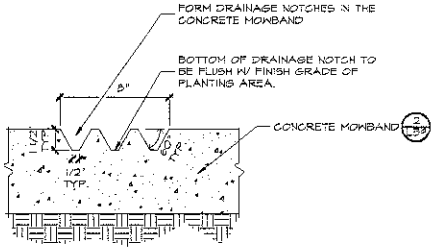
SHEET NO. L38 OF 65



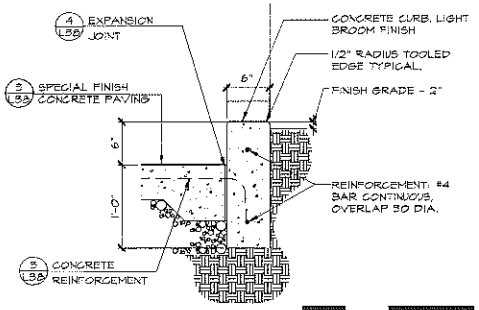
1 L39 SEATWALL



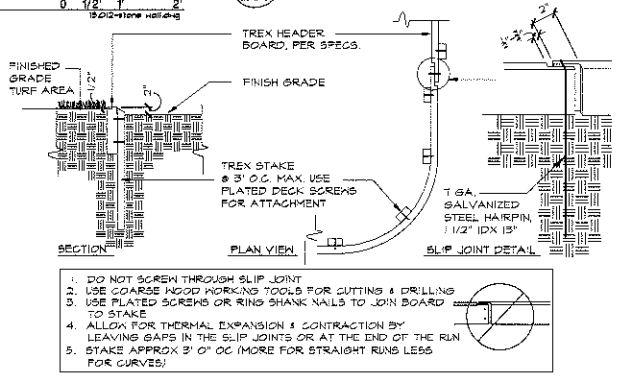
2 L39 CONCRETE MOWBAND



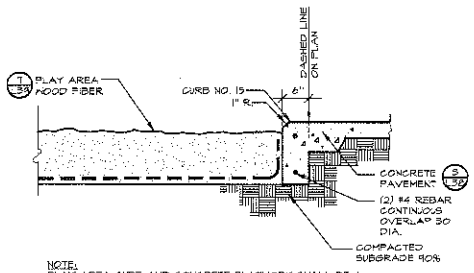
3 L39 DRAINAGE NOTCHES AT MOWBAND



4 L39 6" CURB

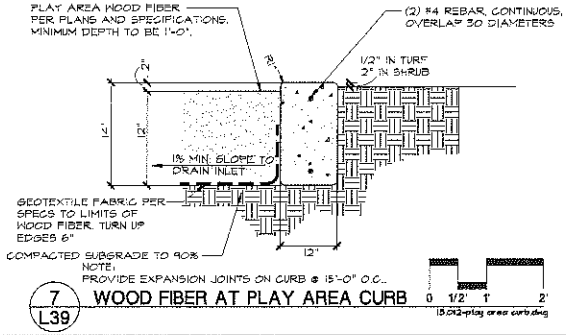


5 L39 HEADERBOARD N.T.S.



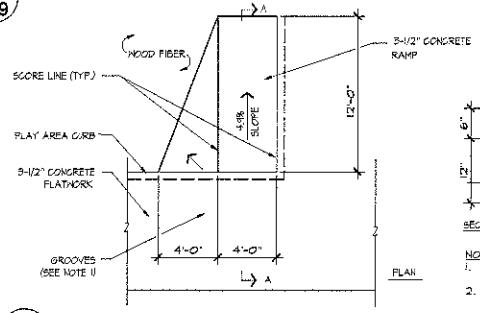
NOTE:
PLAY AREA CURB AND CONCRETE FLATWORK SHALL BE A MONOLITHIC POUR. DO NOT SCORE 6" PLAY AREA CURB.

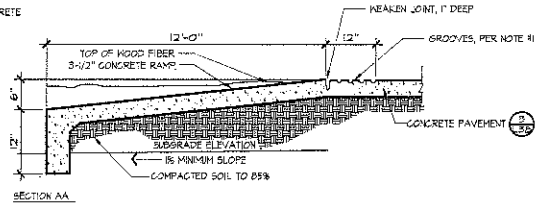
6 L39 PLAY AREA CURB AT CONCRETE PAVEMENT N.T.S.



NOTE:
PROVIDE EXPANSION JOINTS ON CURB @ 15'-0" O.C.

7 L39 WOOD FIBER AT PLAY AREA CURB





NOTES:
1. RAMP SHALL HAVE A 12" WIDE BORDER WITH GROOVES APPROX. 3/4" O.C., AND 1/4" WIDE BY 1/4" DEEP.
2. SURFACE OF RAMP SHALL BE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN SURROUNDING SIDEWALK.

8 L39 PLAY AREA RAMP N.T.S.

Know what's below. Call before you dig. 811

Callander Associates Landscape Architecture
11190 Sun Center Drive, Suite 109
Rancho Cordova, CA 95670
Tel (916) 851-3133
Fax (916) 851-3139

CA PROJECT NO. 13.012

BID SET

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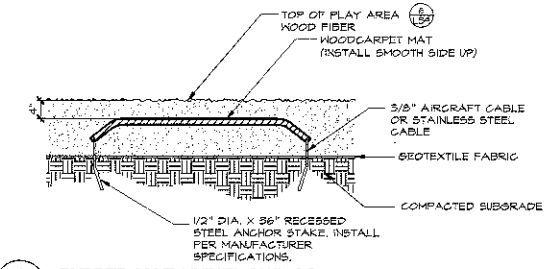
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

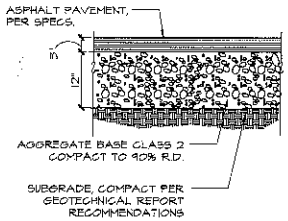
VALLEY OAK PARK
CONSTRUCTION DETAILS

LANDSCAPE ARCHITECT: PM
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/1/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19102100
REVISIONS

SHEET NO.
L39 OF 65

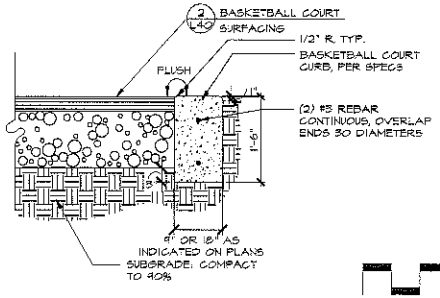


1 / L40 RUBBER MAT UNDER SWINGS N.T.S.

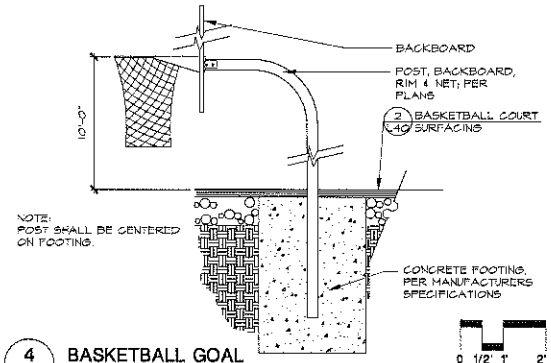


2 / L40 BASKETBALL COURT SURFACING 0 1/2' 1' 2'

13.012_ac pave.dwg

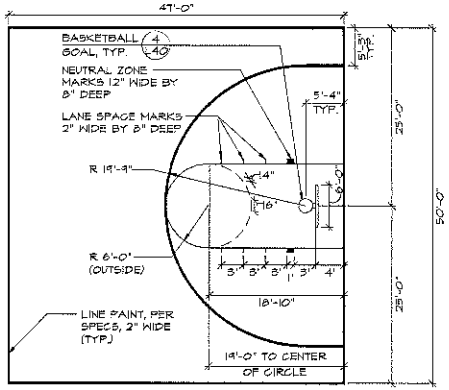


3 / L40 BASKETBALL COURT CURB 0 1/2' 1' 2'

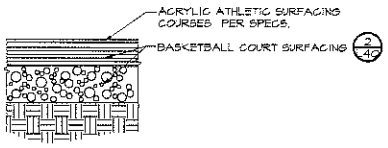


4 / L40 BASKETBALL GOAL 0 1/2' 1' 2'

13.012-basketball goal.dwg

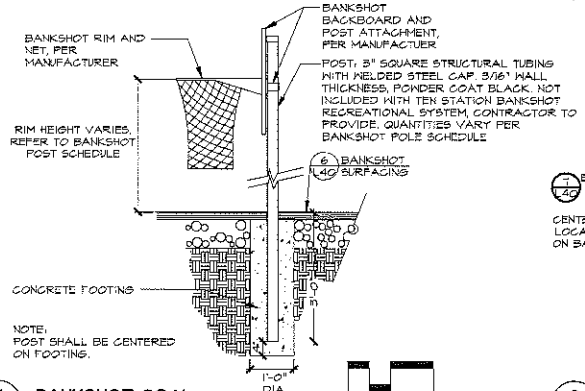


5 / L40 HALF COURT BASKETBALL STRIPING N.T.S.



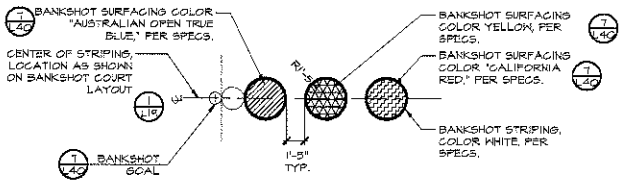
6 / L40 BANKSHOT COURT SURFACING 0 1/2' 1' 2'

13.012-sportscourtpav.dwg

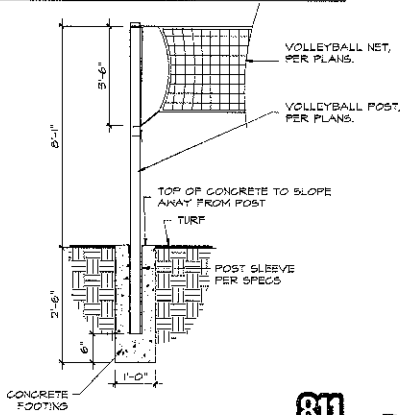


7 / L40 BANKSHOT GOAL 0 1/2' 1' 2'

13.012-bankshot goal.dwg



8 / L40 BANKSHOT STRIPING 0 2' 4' 8'



9 / L40 VOLLEYBALL COURT NET N.T.S.

Know what's below. Call before you dig. 811

Calfornia Associates Landscape Architecture
11180 Sun Center Drive, Suite 104
Rancho Cordova, CA 95670
T 916.852.1112
F 916.852.1113
www.calfornia.com

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BID SET

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PARK PLANNING, DESIGN, & DEVELOPMENT
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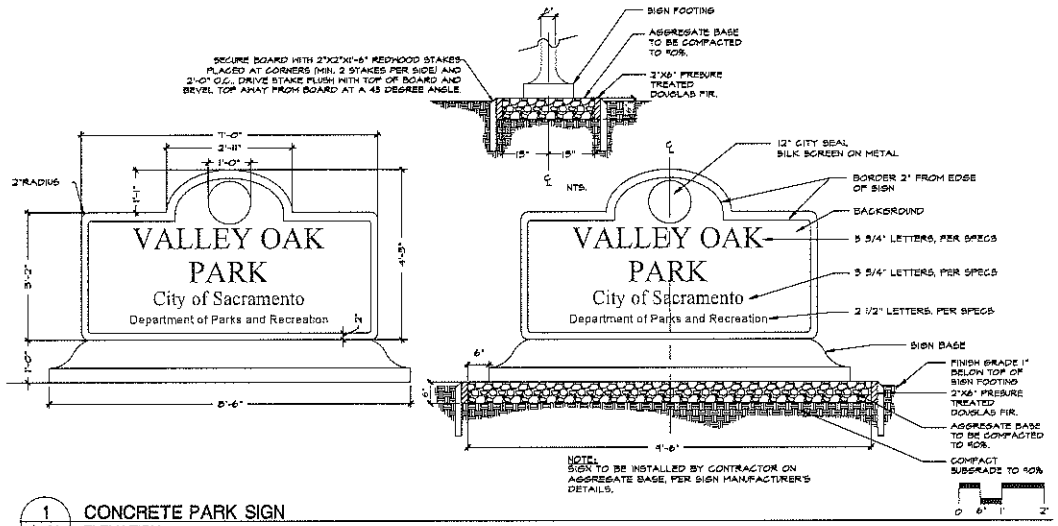
915 I STREET, 5TH FLOOR
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

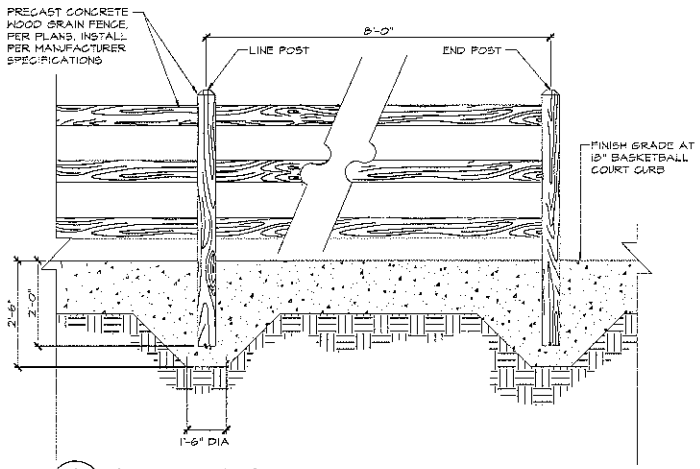
VALLEY OAK PARK CONSTRUCTION DETAILS

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BG/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

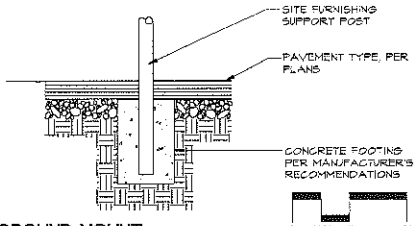
SHEET NO. L40 OF 65



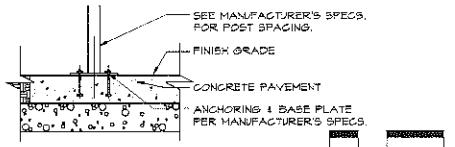
1 L41 CONCRETE PARK SIGN
ELEVATION



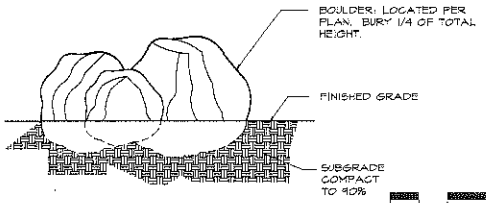
2 L41 SPLIT RAIL FENCE N.T.S.



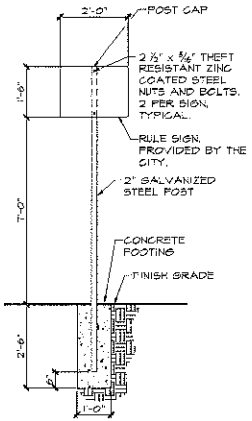
3 L41 IN-GROUND MOUNT



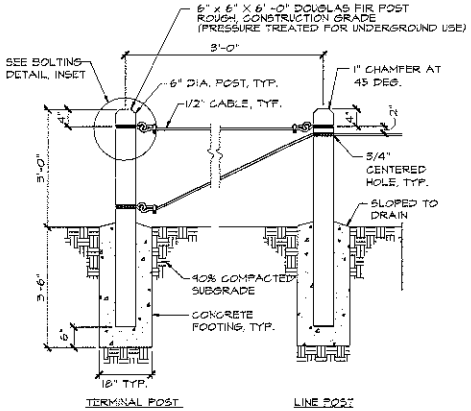
4 L41 SURFACE MOUNT

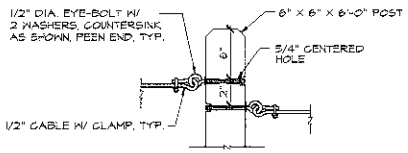


5 L41 BOULDER PLACEMENT



6 L41 RULES SIGN N.T.S.





BOLTING DETAIL

NOTES:
1. PROVIDE CONCRETE FOOTING AT ALL END POSTS, AT ALL BENDS AND AS SPECIFIED ON APPROVED PLANS.
2. USE 3/8"X2" GALVANIZED WIRE ROPE CLIPS FOR CONNECTION AND SPLICES. ALL CLIPS SHALL BE PLACED WITH NUTS FACING DOWNWARD.

7 L41 POST AND CABLE FENCE N.T.S.

Know what's below. Call before you dig.

Callander Associates Landscape Architecture

CA PROJECT NO. 13.012

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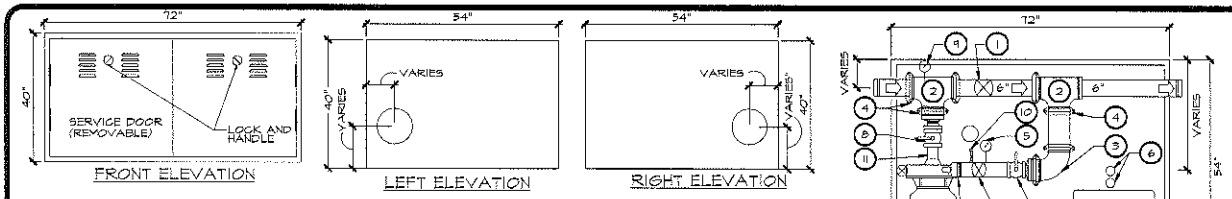
PARKS AND RECREATION DEPARTMENT
PARK PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814
VALLEY OAK PARK P.N.

VALLEY OAK PARK
CONSTRUCTION DETAILS

LANDSCAPE ARCHITECT: BM
DESIGN BY/DRAWN BY: DM/BC/LB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N. L19152100
REVISIONS:

SHEET NO. L41 of 65



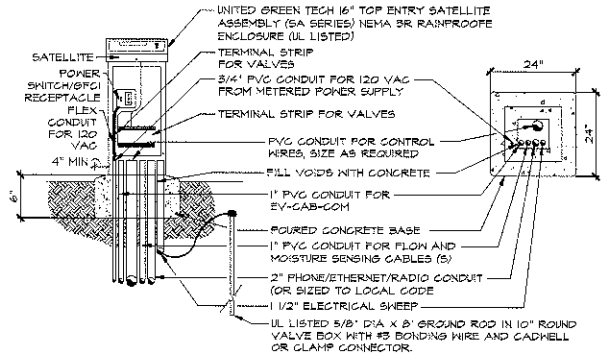
NOTE: THE CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING:
1. SEE BOOSTER PUMP SECTION VIEW DETAIL
2. PROVIDE LEVEL CONCRETE PAD SIZE 78"X60"X4" THICK, 1" ABOVE GRADE
3. PROVIDE SINGLE PHASE ELECTRIC 230 VOLT SERVICE WITH 2-POLE, 100 AMP BREAKER WITH GROUND AND CONTROL WIRES
4. CUSTOMFLOW PUMP PACKAGE AS MFG. BY CUSTOM PUMP & POWER OF SACRAMENTO, 916 429-9729, OR APPROVED EQUAL.
5. PROVIDE CRANE TO OFF LOAD AND SET PUMP ASSEMBLY.

LEGEND: CUSTOMFLOW PUMP 200 GAL 08282013-1/ 100 VFD

1. 6" BY-PASS BUTTERFLY VALVE
2. 6" TEE
3. 3" ELBOW
4. 6"X3" COUPLING
5. GAUGE
6. (2) 1" FLEX CONDUITS AND WIRES FOR POWER AND CONTROL
7. PUMP 15 HP/208-230/480 VOLT
8. 3" ISOLATION BUTTERFLY VALVE
9. 2 1/2" DISCHARGE
10. TRANSDUCER
11. CUSTOM TEMPERATURE SWITCH
12. FUJI VFD 25HP/230V ENCLOSURE SIZE 72"X54"X40"X42", WITH
13. REMOVABLE PANELS FOR SERVICE ACCESS
14. 3" CHECK VALVE

SPECIFICATION:
COLOR: DARK GREEN
MATERIAL: MILD STEEL 12 GAGE
MIN. CLEARANCE: 36" ALL AROUND.

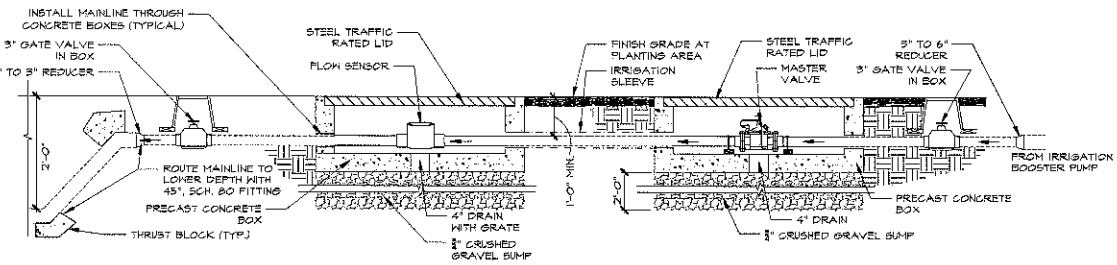
1 L42 BOOSTER PUMP N.T.S.

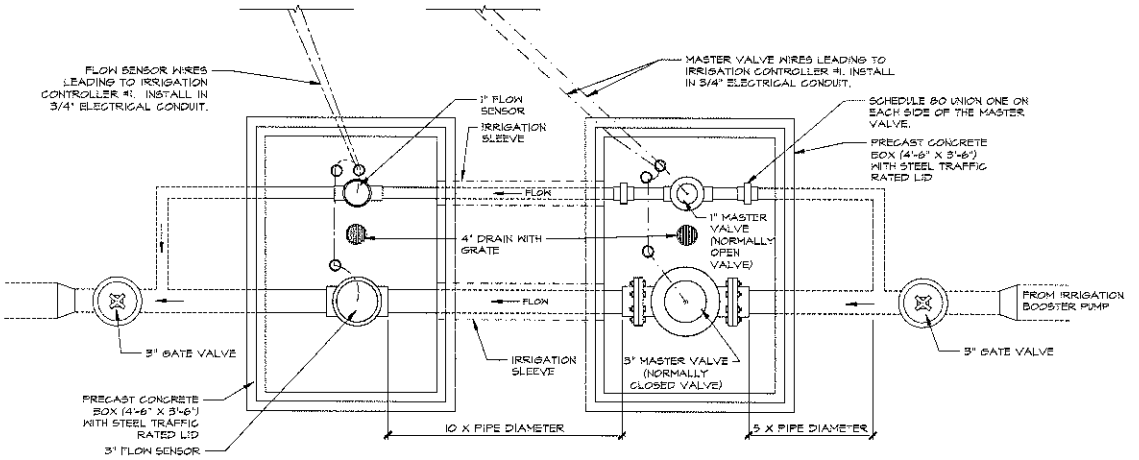


NOTES:
1. CONTROLLER MODEL AS SPECIFIED ENCLOSURE MODEL AS SPECIFIED OPTIONS AS SPECIFIED, TERMINAL STRIPS TEMPLATEAND BOLTS UL LISTED 8" COPPER GROUND ROD GROUND ROD CLAM OR CADWELD 10' OF #6 GROUNDING WIRE.
2. GROUND ROD SHALL BE LOCATED NO CLOSER THAN 8 FT. AND NO FURTHER THAN 12 FT. FROM THE CONTROLLER UNLESS OTHERWISE SPECIFIED.

   A 10" ROUND VALVE BOX SHALL BE INSTALLED OVER THE GROUND ROD FOR LOCATION AND MAINTENANCE PURPOSES.
3. ALL CABLES AND ELECTRICAL WIRES MUST BE RUN IN CONDUIT.

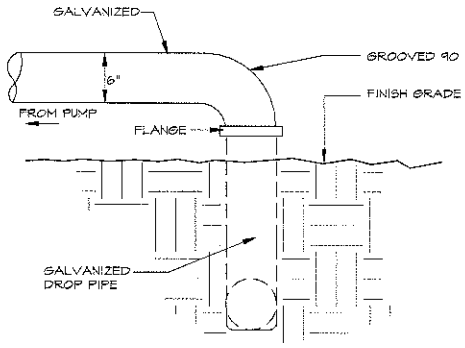
2 L42 IRRIGATION CONTROLLER N.T.S.





NOTE:
FLOW SENSOR CABLE TO BE EV-CAB-SEN INSTALL IN CONDUIT. SEPARATE CABLE MUST BE USED FOR EACH FLOW SENSOR. MASTER VALVE WIRES TO BE DIRECT BURIAL IRRIGATION WIRE.

3 L42 MASTER VALVE / FLOW SENSOR N.T.S.



4 L42 BOOSTER PUMP DROP PIPE N.T.S.

BID SET

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Calender Associates Landscape Architecture
11130 Sun Center Drive, Suite 104
Rancho Cordova, CA 95670
(916) 363-8383
FAX (916) 363-8318

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SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK CONSTRUCTION DETAILS

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DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
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CAD SCALE: 1:1
T.N.: L19182100
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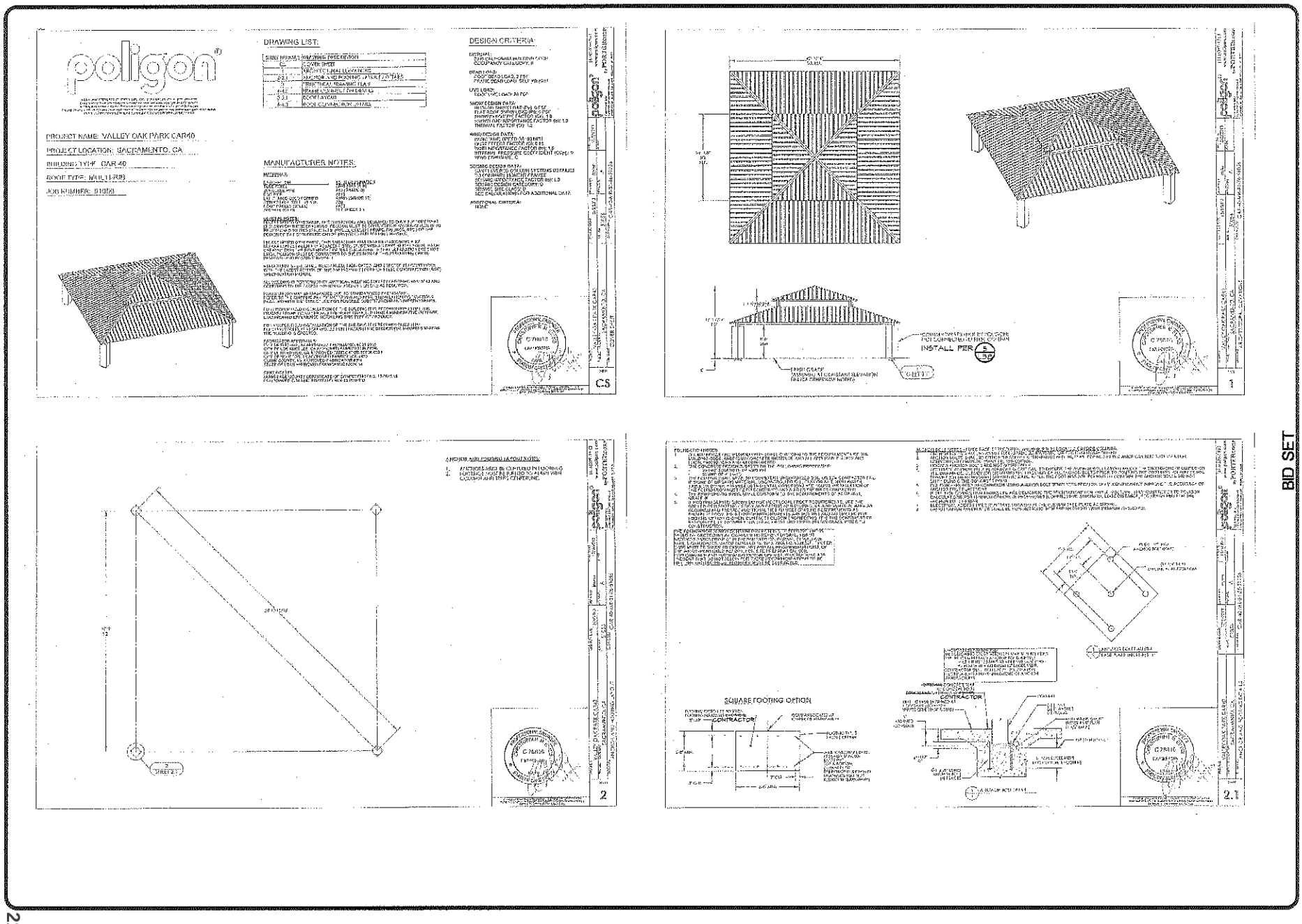

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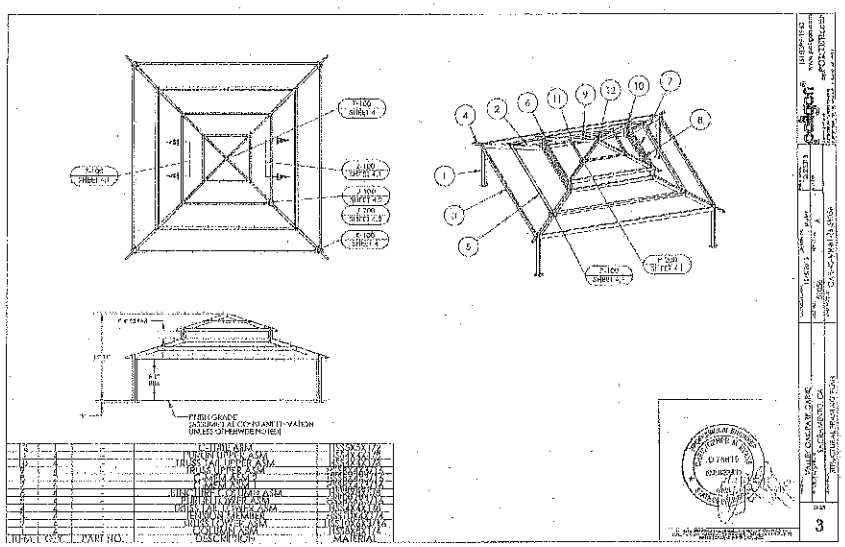
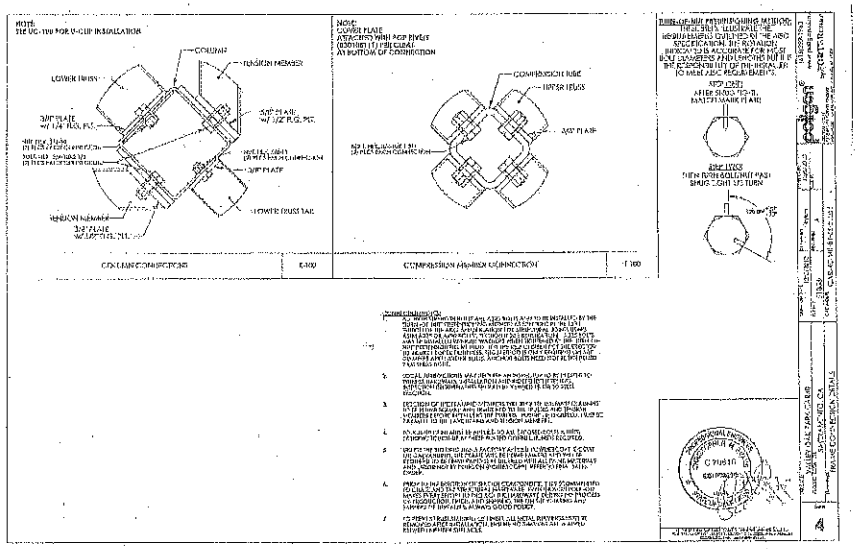
SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

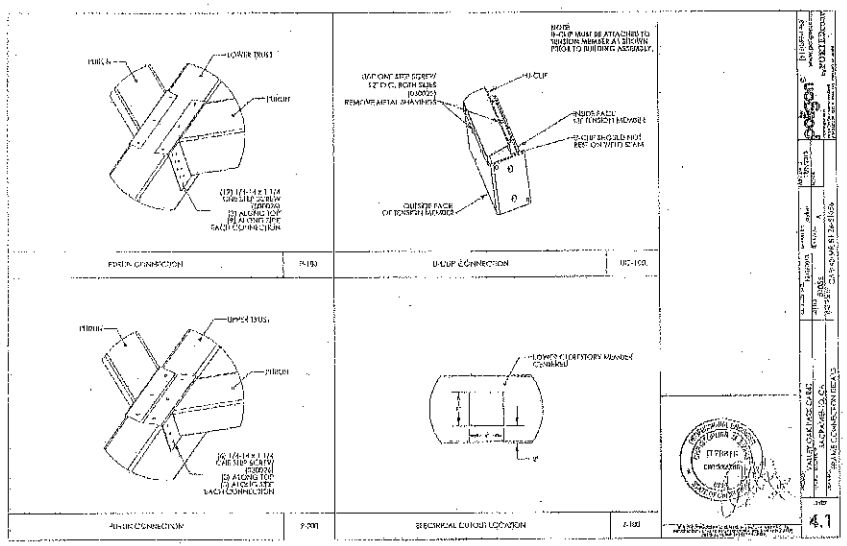
VALLEY OAK PARK
SHADE SHELTER DETAILS

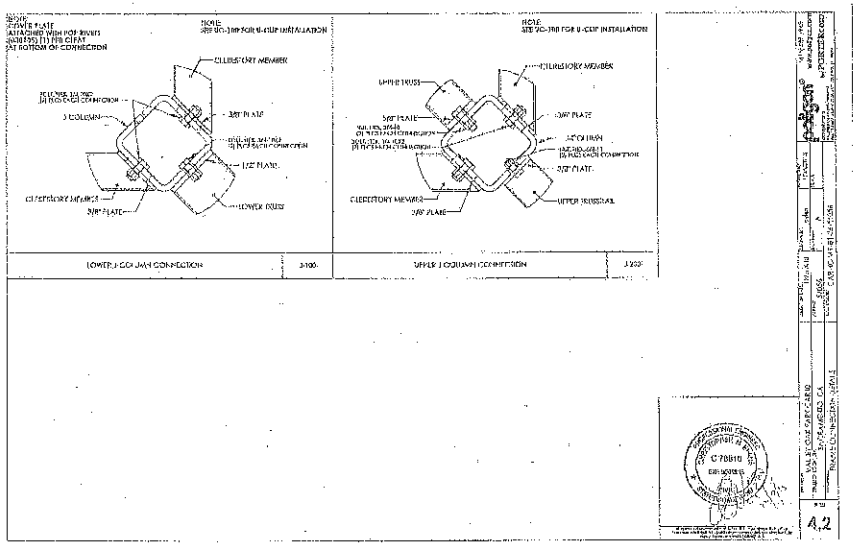
LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 15.012
DATE: 12/1/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS:

SHEET NO: L43 OF 65









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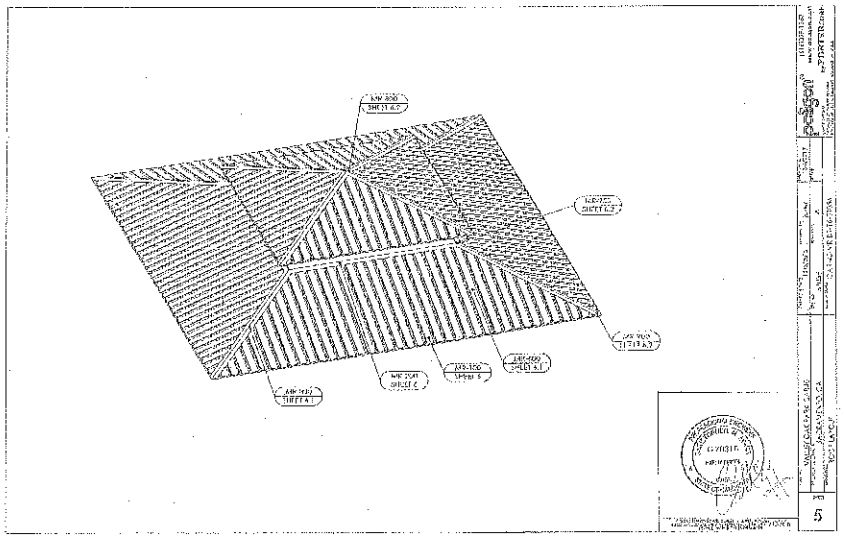
SACRAMENTO, CA 95814

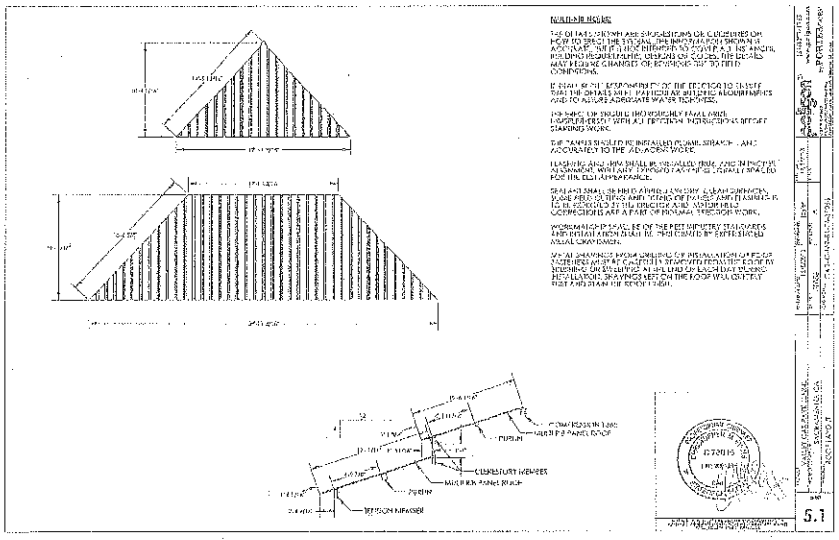
VALLEY OAK PARK - P.N.

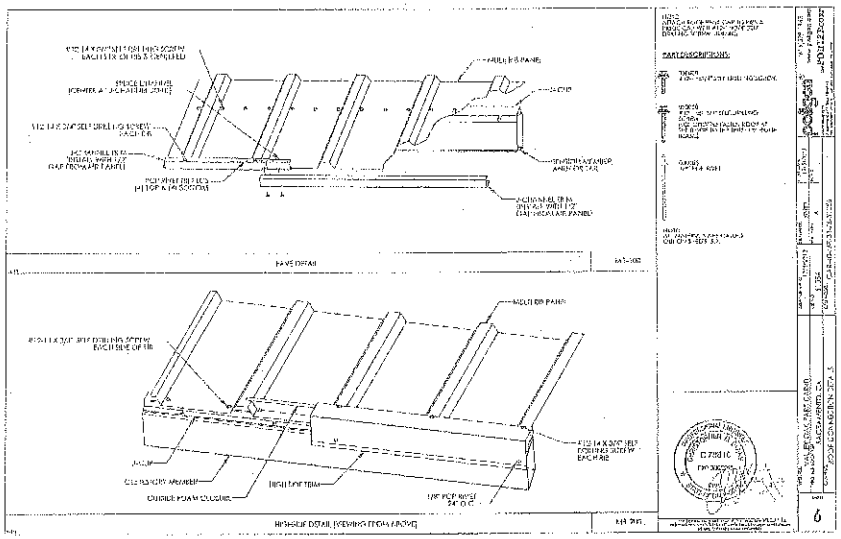
VALLEY OAK PARK
SHADE SHELTER DETAILS

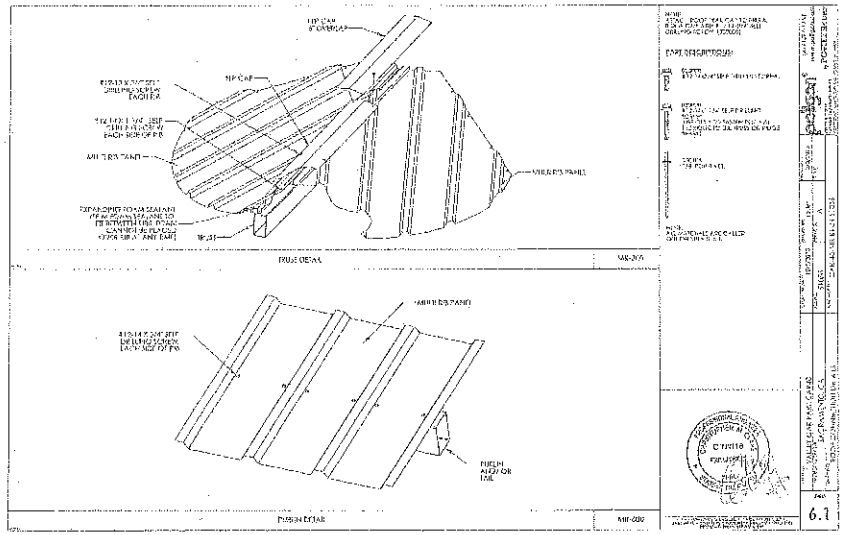
LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/1/15
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

SHEET NO. 44 OF 65









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915 I STREET, 5TH FLOOR,
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VALLEY OAK PARK - P.N.

VALLEY OAK PARK
SHADE SHELTER DETAILS

LANDSCAPE ARCHITECT
BH

DESIGN BY/DRAWN BY
DMS/BC/JB

CAD FILE
15-012

DATE 12/11/15

SCALE AS SHOWN

CAD SCALE 1:1

P.N. L19152100

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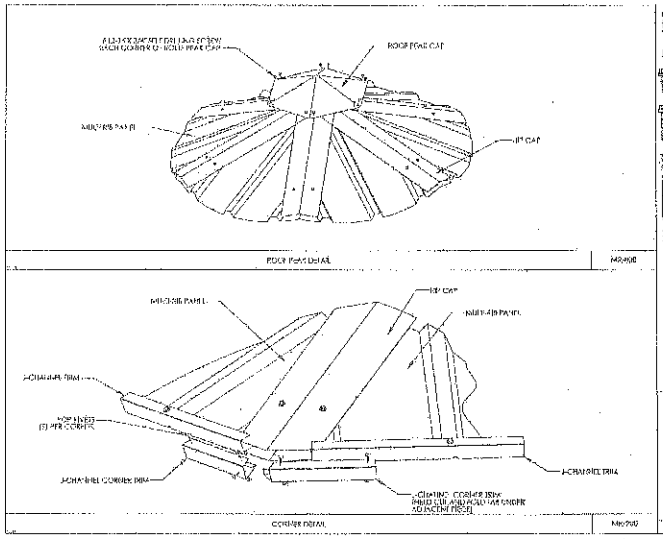
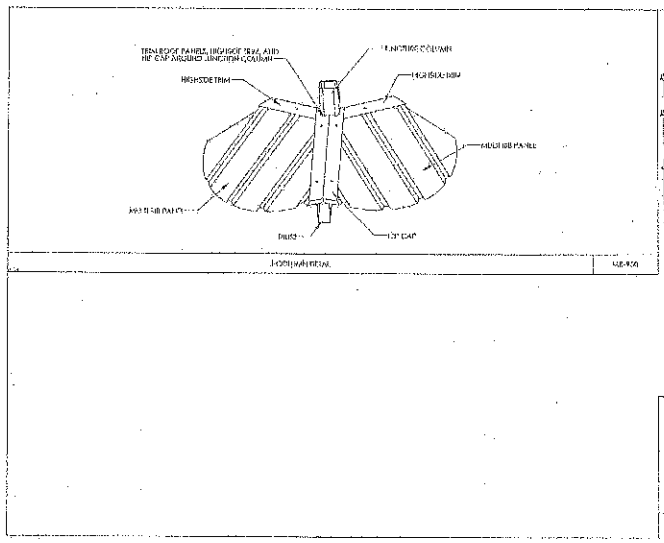
SHEET NO
L45 OF 65





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VALLEY OAK PARK - P.N.

VALLEY OAK PARK
SHADE SHELTER DETAILS

LANDSCAPE ARCHITECT: BM
DESIGN BY/DRAWN BY: DM/BG/JB
CAD FILE: 13.012
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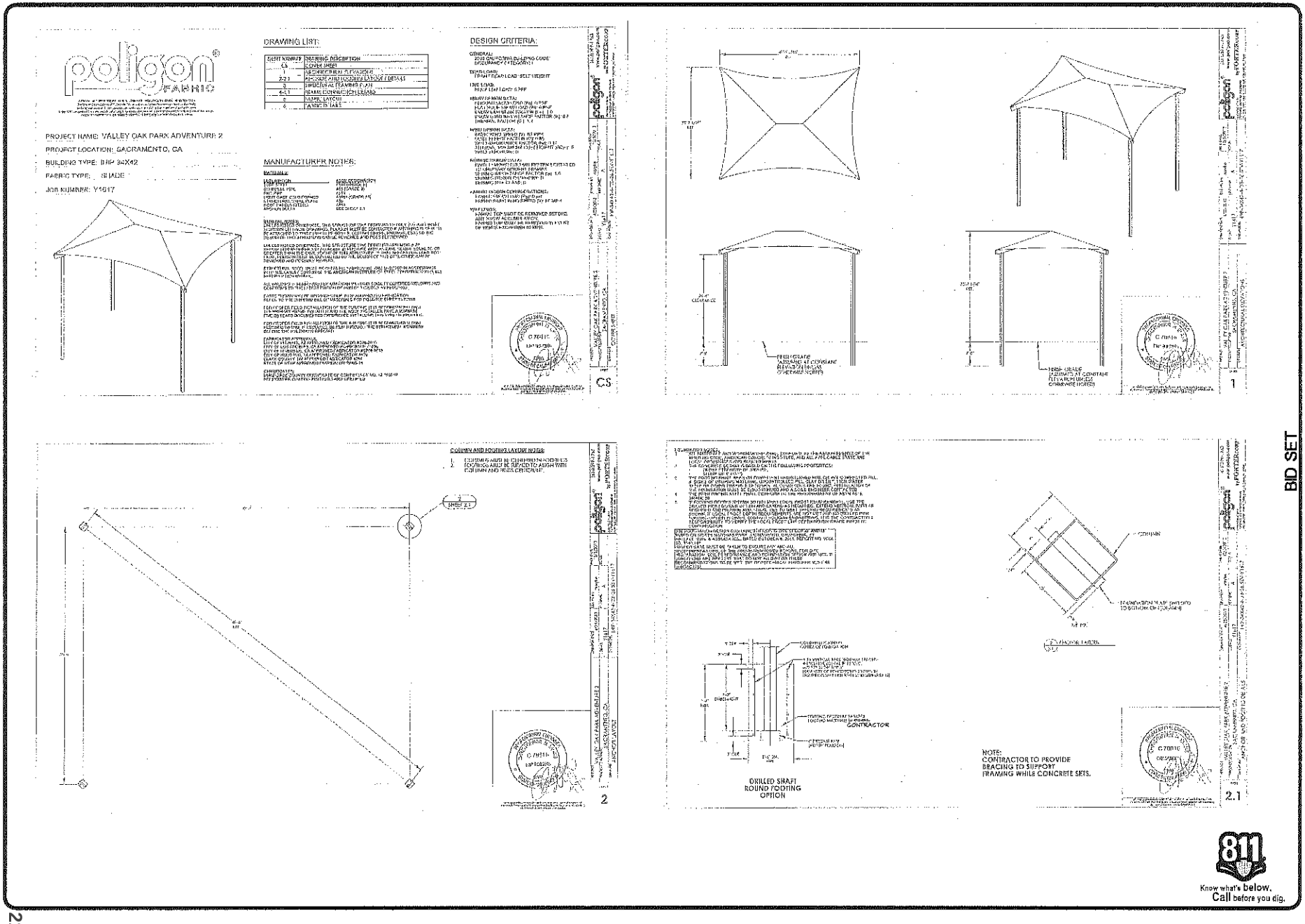
REVISIONS

SHEET NO: L46 OF 65



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VALLEY OAK PARK - P.N.

VALLEY OAK PARK
ADVENTURE AREA SHADE
CANOPY, ADD ALT. #2

LANDSCAPE ARCHITECT: Bh
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
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REVISIONS

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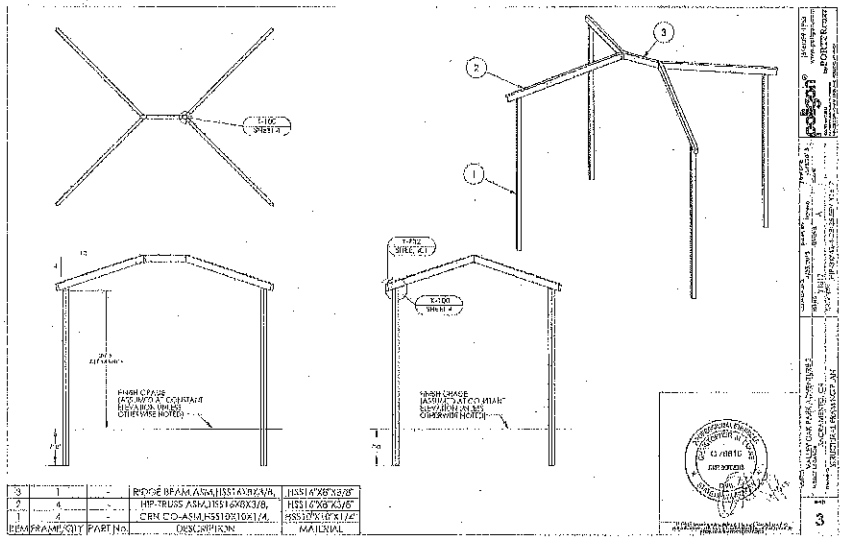

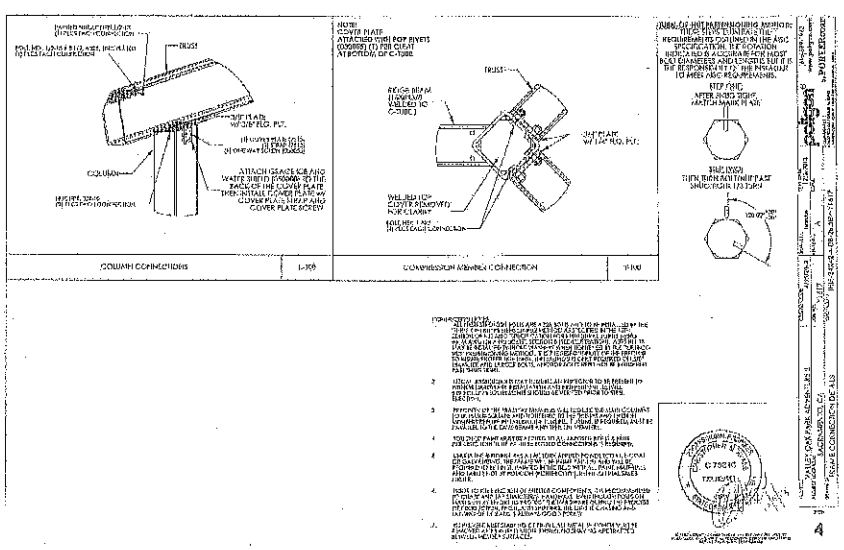

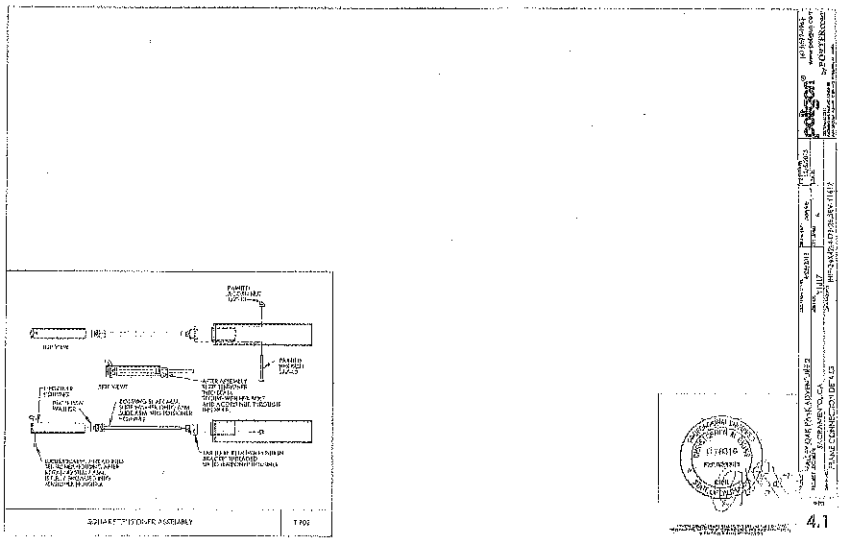

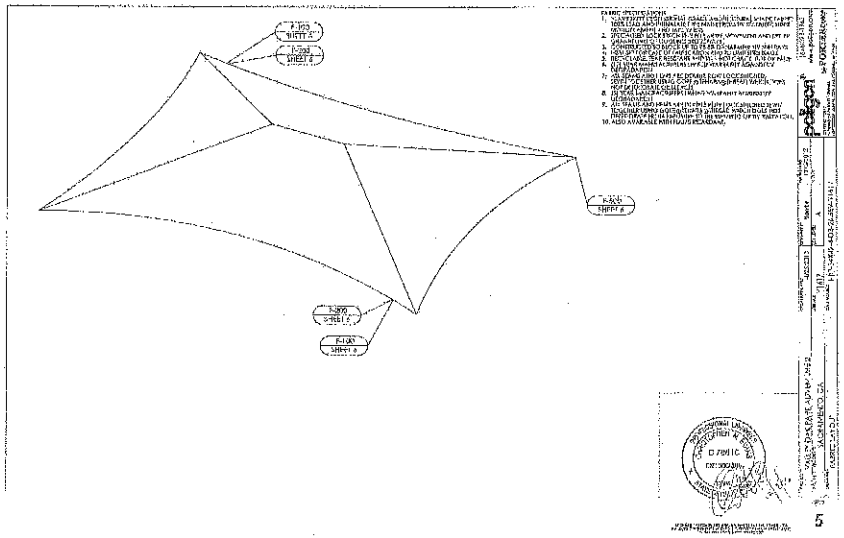

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VALLEY OAK PARK - P.N.

VALLEY OAK PARK
ADVENTURE AREA SHADE CANOPY, ADD ALT. #2

LANDSCAPE ARCHITECT: SN
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/11/13
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CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

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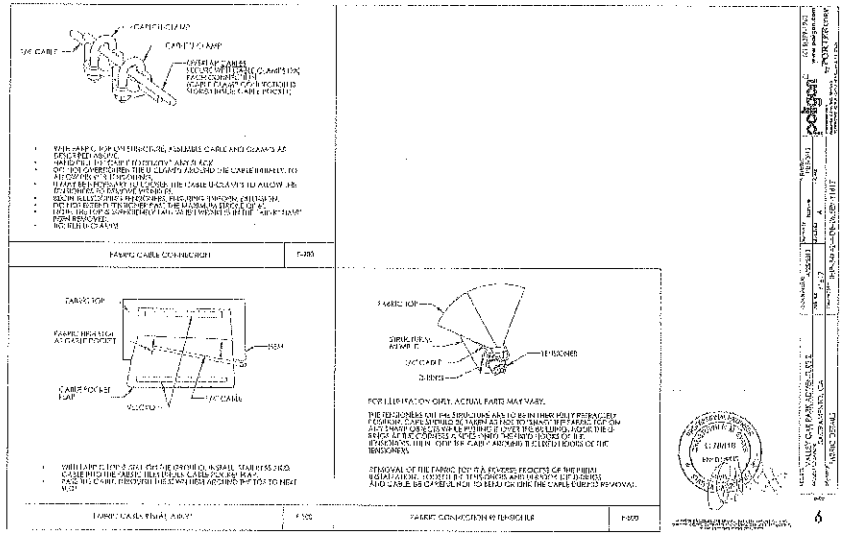

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VALLEY OAK PARK
ADVENTURE AREA SHADE
CANOPY, ADD ALT. #2

LANDSCAPE ARCHITECT
BH
DESIGN BY/DRAWN BY
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CAD FILE
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SCALE AS SHOWN
CAD SCALE 1:1
P.N. L19182100
REVISIONS

SHEET NO
L49 OF 65

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polygon FABRIC

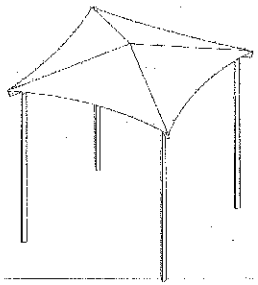
PROJECT NAME: VALLEY OAK PARK TOT LOT

PROJECT LOCATION: SACRAMENTO, CA

BUILDING TYPE: III/P 31X31

FABRIC TYPE: SHADE

JOB NUMBER: Y1816

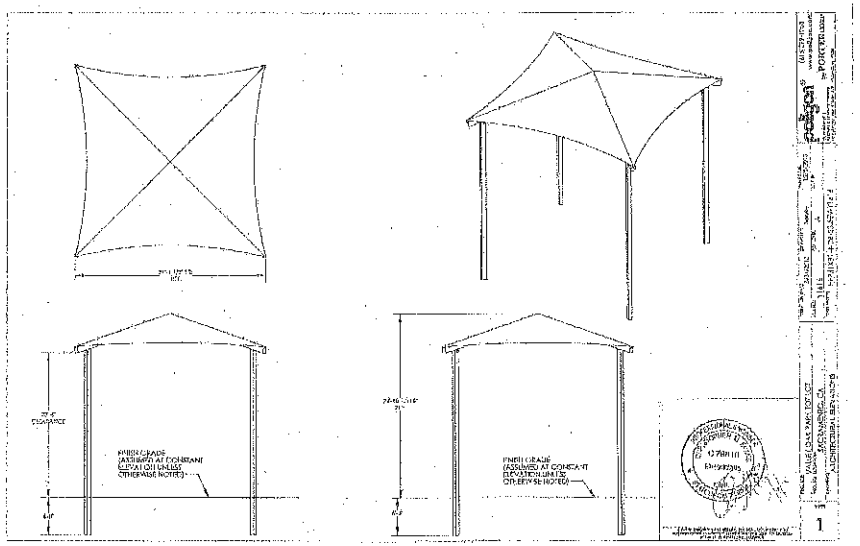


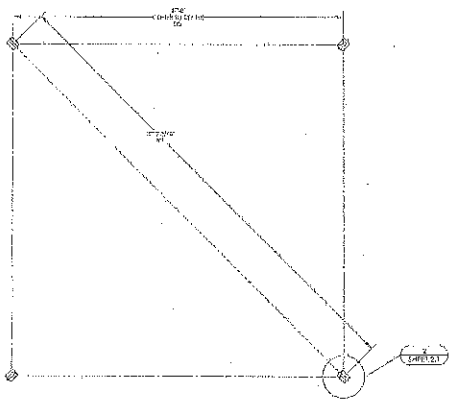
DRAWING LIST:

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	ARCHITECTURAL REFERENCE
2.2.1	ANCHOR AND FOOTING LAYOUT / DETAILS
3	SITE DRAWING/ORIENTATION
4-4.1	FRAME CONNECTION SYSTEM
5	FABRIC LAYOUT
6	FABRIC DETAILS

MANUFACTURER NOTES:

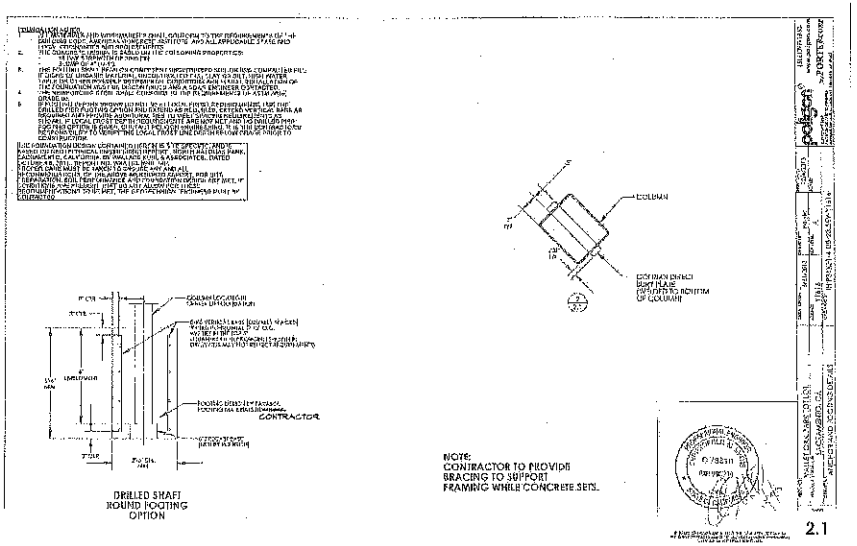
DESIGN CRITERIA:





ANCHOR AND FOOTING LAYOUT NOTES:

1. COLUMNS MUST BE CENTERED IN FOOTINGS
2. FOOTINGS MUST BE PLACED TO ALIGN WITH COLUMN AND TRUSS CENTERLINE.



DRILLED SHAFT ROUND FOOTING OPTION

NOTE:
CONTRACTOR TO PROVIDE BRACING TO SUPPORT FRAMING WHILE CONCRETE SETS.

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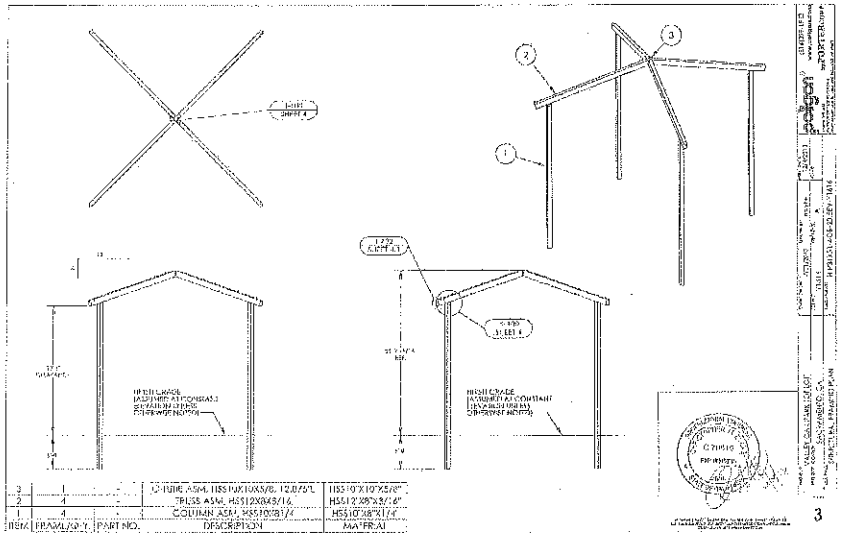
SACRAMENTO, CA 95814

VALLEY OAK PARK
TOT AREA SHADE
CANOPY, ADD ALT. #1

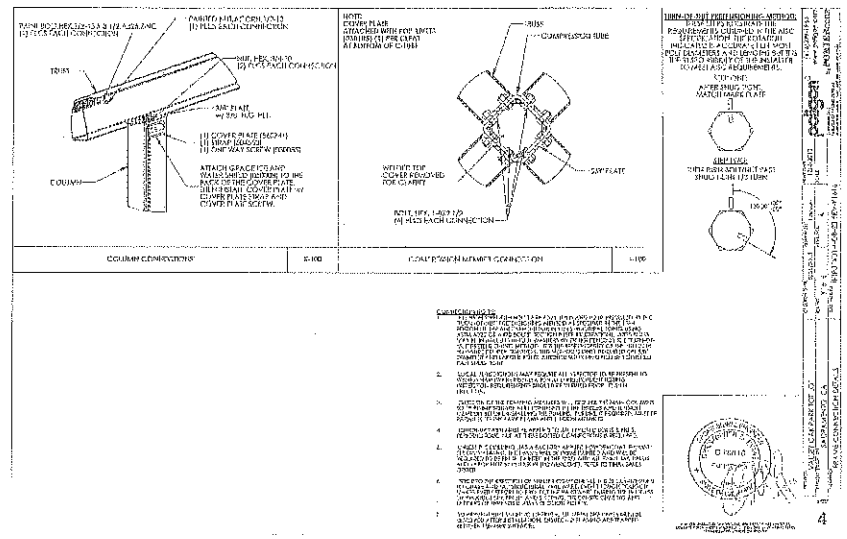
LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: DM/BC/JB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

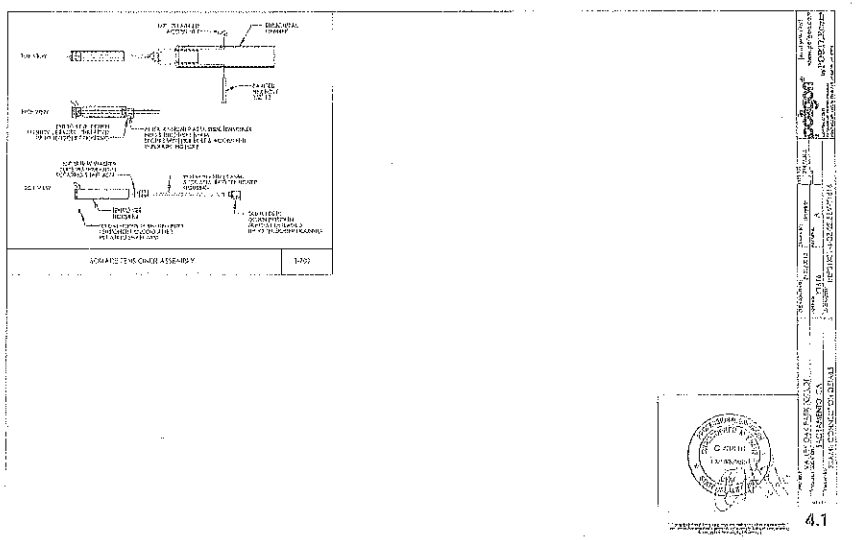
SHEET NO: L50 OF 65

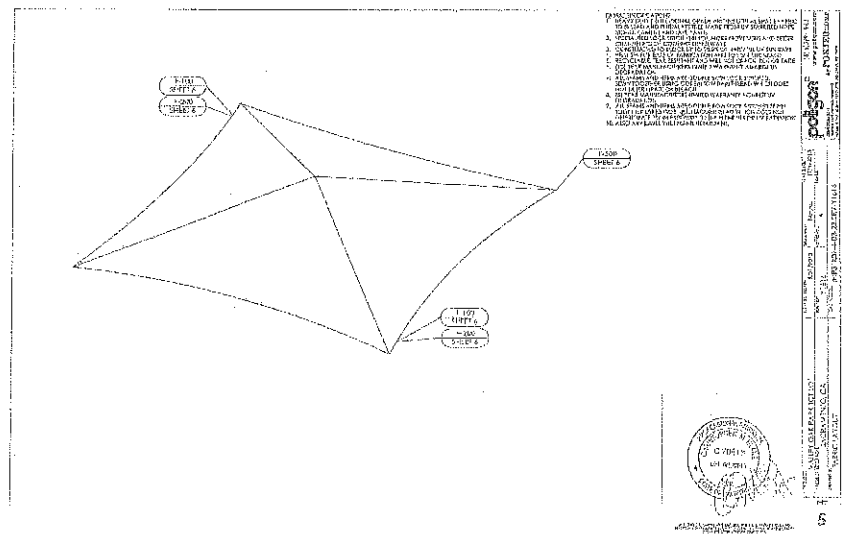
VALLEY OAK PARK - P.N.



ITEM	FRAME/QTY.	PART NO.	DESCRIPTION	MATERIAL
3	1		C-TUBE ASM. HSS10X10X5/8, 12.0/5"L	HSS10"X10"X5/8"
2	4		TRUSS ASM. HSS12X8X3/16	HSS12"X8"X3/16"
1	4		COLUMN ASM. HSS10X8X1/4	HSS10"X8"X1/4"







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VALLEY OAK PARK - P.N.

VALLEY OAK PARK
TOT AREA SHADE
CANOPY, ADD ALT. #1

LANDSCAPE ARCHITECT: BN
DESIGN BY/DRAWN BY: DM/BC/LB
CAD FILE: 13.012
DATE: 12/11/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.: L19182100
REVISIONS

SHEET NO.
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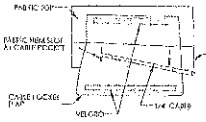
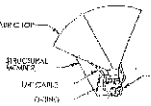


- INSTALL FABRIC TOP, STEEL PLATES, TENSIONED CABLE, SEAMLESS SHEET, CABLE INTO THE FABRIC FLAP, SHAPE CABLE CLAMP TO FIT FLAT.
- PASS THE CABLE THROUGH THE SEAM. USE A SOUND TILE GUN TO HEAT SEAL.

FABRIC CANOPY INSTALLATION | F-100

- VERIFY CABLE TOP ON STRUCTURE, ASSEMBLE CABLE AND CLAMPS AS DESCRIBED ABOVE.
- PASS THE CABLE TO CABLE TO REMOVE ANY SLACK.
- DO NOT OVERTIGHTEN THE CLAMPS AROUND THE CABLE BRAKE TO ALLOW THE CABLE TO SLIDE.
- LEAVE THE CABLE TAIL TO ALLOW THE CABLE TO CLAMPS TO ALLOW THE TENSIONING TO REMOVE WEAKNESS.
- BEGIN TENSIONING TENSIONER. ADJUSTING UNTIL DESIRED TENSION.
- DO NOT EXCEED THE TENSION. THE MAXIMUM STRESS OF
- INSTALL THE TOP PLATE. THE TENSIONER WRENCHES IN THE FABRIC HAVE BEEN REMOVED.
- TIGHTEN THE CLAMPS.

FABRIC CABLE CONNECTION | F-200



- THE DIMENSIONS FOR STRUCTURE ARE TO BE IN THE FIELD AT THE DIRECTION.
- CAN BE SEAMLESS TAKEN AS NOT TO SCALE FABRIC TOP.
- HOLES OR SPACE SHOULD BE TO BE DESIGNED.
- LEAVE THE CABLE AROUND HOLES OF THE TENSIONERS.
- DO NOT BITE OF CABLE CLAMP.
- REMOVAL OF THE FABRIC TOP IS A REVERSE PROCESS OF THE INSTALLATION.

FABRIC CONNECTIONS & TENSIONERS | F-300

6

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SACRAMENTO, CA 95814
VALLEY OAK PARK - P.N.

VALLEY OAK PARK
TOT AREA SHADE
CANOPY, ADD ALT. #1

LANDSCAPE ARCHITECT
BN
DESIGN BY/DRAWN BY
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CAD FILE
13.012
DATE 12/11/13
SCALE AS SHOWN
CAD SCALE 1:1
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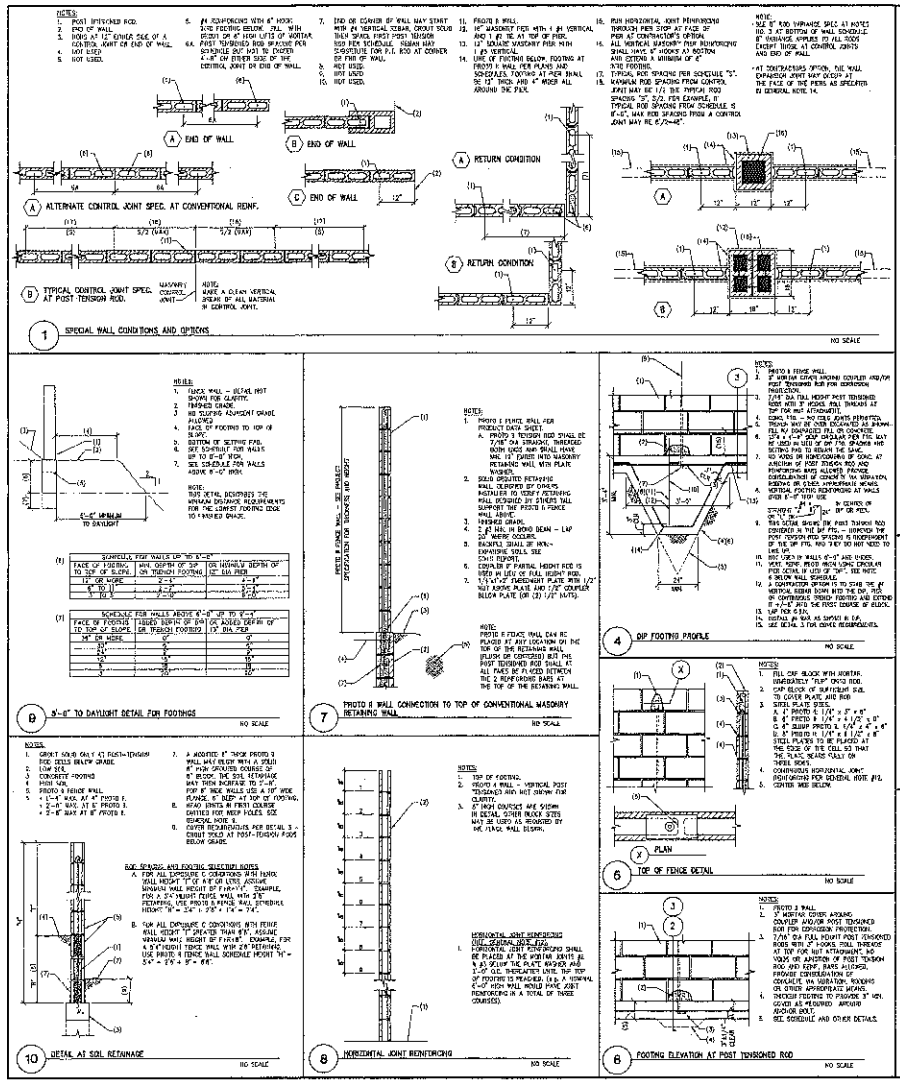


GENERAL NOTES

1. THE PROTO-II WALL IS DESIGNED FOR WIND AND MASONRY TIMBERS AS REQUIRED AND APPROVED BY THE LOCAL AUTHORITIES. SEE SCHEDULES FOR FOOTINGS AND FENCE POST TENSIONED ROD REQUIRED DIMENSIONS, ETC. CONTRACTOR IS RESPONSIBLE TO VERIFY REQUIREMENTS WITH LOCAL AUTHORITIES. THE PROTO-II WALL IS DESIGNED TO COMPLY WITH THE PROVISIONS WITH APPROVED NTC PLAN SHEET REPORT AND NO APPLICABLE CODE REQUIREMENTS.
2. THESE DESIGNS ARE NOT TO BE USED FOR RETAINING EARTH (SEND, BACKFILL) ABOVE 4'-0" FOR 4" PROTO-II, 2'-0" FOR 8" PROTO-II, AND 3'-0" FOR 8" PROTO-II AS MEASURED FROM LOW SOIL TO HIGH SOIL. PC SUBSTANTIATED BELOW 4'-0" OF WALL ARE ALLOWED. SEE DETAIL 10.
3. FOOTINGS TO BE LEVEL, IF GROUND ALONG THE FOOTING SHALL BE STEPPED, EACH STEP SHALL BE PROPER HEIGHT TO FIT BLOCK TIMS LENGTH. ALL EXCAVATIONS SHOULD BE CLEAN AND CONTAIN NO LOOSE EARTH OR FOREIGN MATTER.
4. SOIL BELOW THE FTNG AND COMPACTED PRIOR TO PLACEMENT OF CONCRETE. PRIOR TO FOUNDATION EXCAVATION, CONTRACTOR SHALL VERIFY WITH SOILS REPORT THAT SITE HAS SUFFICIENT SOIL TO SUPPORT THE ALLOWABLE FOOTING BEARING PRESSURE OF 1500 PSF/FT. SUPPORT AT THE TOP OF GRAVELS, NO TOP SOIL ARE ACCEPTED FOR PLACING AND A DEPTH ALLOWABLE BEARING PRESSURE OF 1500 PSF.
5. SOIL BELOW THE WALL FOOTINGS FOR FOOTINGS AND FOUNDATIONS, USE CONCRETE WITH A MIN. STRENGTH OF 3,000 PSI - TYPE II CEMENT TYPE V WHERE REQUIRED BY CHARGE. SOILS ENGINEER OR APPROPRIATE). CONCRETE SHALL BE 6 SACK OF PORTLAND AND PRIOR TO FINAL CONSTRUCTION
6. LAP REINFORCING STEEL: LAP = 24" FOR #4 BARS LAP FOR #5 BARS IN MASONRY. 30"/24" LAP IN CONCRETE FOR #4 OR #5 BAR RESPECTIVELY.
7. CONCRETE BASEMENT UNITS SHALL COMPLY WITH ASTM C-90 AND BE 2,000 PSI MIN. (7"/ DESIGN STRENGTH OR BASED ON 2000 PSI). BLOCK SHALL BE 6 MIN AT 7 DAYS OLD PRIOR TO FINAL TENSIONING. CONCRETE BASEMENT UNITS SHALL BE USED WITH MORTAR AND GROUT ON INTERLOCKING BLOCKS MUST BE USED.
8. MORTAR SHALL BE TYPE S, 2000 PSI MIN. MORTAR MUST BE USED AS SPECIFIED IN 7 HOURS LATER MORTAR MUST BE 6 MIN. OR 3 HOURS OLD PRIOR TO INITIAL TENSIONING AND 24 HOURS OLD PRIOR TO FINAL TENSIONING.
9. FIRST BASEMENT COURSE MUST BE SET ON FRESH CONCRETE FOOTING. HEAD JOINTS MAY BE PUTTED IN FIRST COURSE FOR MORE SCALE.
10. REINFORCING REBAR SHALL CONFORM TO ASTM A615, Fy = 40,000 PSI.
11. PROTO-II HARDWARE IS DEFINED AS TENSION ROD, BEARING PLATES, COUPLERS, NUTS, ALL THREADS, DIRECT TENSION INDICATORS (DTI) & DIRECT TENSION INDICATORS (DTI) II. A COMPRESSIBLE WASHER AND PLASTIC SPACERS. AS THE TENSIONING SHALL BE SUPPORTED BY THE AS APPROVED PROTO-II LOCKNUT TO THE CENTERED INSTALLED POST TENSION ROD SHALL BE 1/16" DIAMETER WITH 1/2" BOLT THROUGH CONFORMING TO ASTM A615 (FY = 40000 PSI) AND HAVE FIXED CONSTANT DIP SAFE BEARING AND THICKNESS CAN BE RECOMMENDED PROVIDED THE PROTO-II LOCKNUT, BEARING PLATE, AND DIP FOOTING. THE PROTO-II LOCKNUT, BEARING PLATES AND DIP FOOTING ARE NOT SUITABLE FOR WATER AND SOIL CONTACT. FOR ASTM A615 GRADE 4, AND THE COUPLER MUST FULLY ENGAGE THE UPPER AND LOWER ROD. FULLY ENGAGED DEFINED AS 1/2" MIN INTO COUPLER. 1/2" PLATE NUTS TO BE GRADE 8, FOR ASTM A615. 1/2" ALL THREADS FOR ASTM A615 GRADE 8S. DIRECT TENSION INDICATOR (DTI - COMPRESSIBLE WASHER) IS FOR ASTM PROD TENSION PROCEDURE. PLASTIC PARTS FOR BUDGET USE NON-STRUCTURAL.
12. DIMENSIONAL JOINT REINFORCING SHALL BE 8 GAGE DIAMETER WIRE AND PLACED PER DETAIL 8 AND CONFORM TO ASTM A82 LADDER TYPE, 8 GAGE DIAGONAL. LAP JOINT REINFORCING WIRE FULL GRADE MAXIMUM (8" MINIMUM LAP).
13. IN LIEU OF FULL HEIGHT RODS, CONTRACTOR MAY USE SHORTER RODS, 1/2" COUPLERS AND STRAIGHT DIRECT TENSIONED RODS WITH DIPS FOR MORTAR LIFTS. MIN. OF 2'-0" PROCE ON 7" HIGH AT END OF FENCE RODS.
14. VERTICAL CONTROL JOINTS TO BE PLACED AT MAX. 30' O.C. IN ALL NON-STRUCTURED WALLS AND SET AT CENTER OF BLOCK WITH CLEAR VERTICAL CLEAR OF ALL MATERIALS. SEE DETAIL 1 FOR CONTROL JOINT SPECS. AND FILL SEALANT.
15. NO CONTROL MAY BEGIN WITHOUT DELIVERY AND IN CONTRACT WITH THE BEARING PLATE.
16. TENSION RODS MUST BE STANDARD DUTY, NOT CONDUCTED OR TIED IN PLACE AT CONTRACTOR OPTIONS SEE DETAIL 6, NOTE NO. 3, AT CONTRACTOR OPTIONS, VERTICAL REBAR MAY BE STRAIGHT DOWN INTO THE DIP. SEE DETAILS 3 AND 4.
17. A PROTO-II DTI (DIRECT TENSION INDICATOR) SHALL BE INSTALLED AT EVERY TENSION ROD BETWEEN THE BEARING PLATE AND NUT W/ DTI II. "DIRT" FACING OF AGAINST THE BOTTOM OF THE NUT. THE SPECIAL DEPUTY INSPECTOR REQUIRED AT TIME OF FINAL TENSIONING OF A PROTO-II APPROVED INSPECTOR SHALL VERIFY FINAL TENSIONING TO BOND PLUGGED BY 1 OF 3 METHODS: METHOD 1: VISUAL INSPECTION OF ABOUT THREAD PROTRUSION (DTI). THIS FACING OF NUT AND COUPLERS MUST MOVE 3/8" AND LIGHT CLEARANCE BETWEEN THE PROTO-II DTI AND BOTTOM OF NUT. METHOD 2: USE OF A TORQUE WRENCH TO VERIFY THE TORQUE OF THE NUT. THE NUT MUST BE PLACED NOW BEYOND 3. NO VISUAL INSPECTION OF DTI REQUIRED. METHOD 3: USE OF A TORQUE WRENCH. THE SPECIAL INSPECTOR SHALL OBSERVE THE USE OF TORQUE WRENCHES, THE PROCEDURE OF PLACE ON SHIMS, AND INTEGRITY OF MORTAR JOINTS, AND PROVIDE A SIGNED REPORT TO ALL APPROPRIATE PARTIES. MASONRY REPORT IS BASED ON THIS SPECIAL INSPECTION.
18. MORTAR ILLUSTRATED ON THIS PROJECT DATA SHEET ARE FOR PROTO-II WALLS AND PROTO-I BETWEEN WALLS UP TO A STANDARD HEIGHT OF 10'-0". ADDITIONAL SCHEDULES ARE AVAILABLE FOR PROTO-II WALLS UP TO 12'-0" HIGH AND HIGHER "STEPPED" FENCE WALLS.
19. ALL ECONOMICALLY REINFORCED PRACTICE REQUIRE SPECIAL INSPECTION. "SPECIAL INSPECTION" INCLUDES CONTINUOUS SUPERVISION OF DRILLING HOLES WITH ADHESIVE THE NON-DESTRUCTIVE INSPECTION, DOCUMENTATION OF THE LOCATION OF STRUCTURAL ELEMENTS, CONFIRMATION OF THE ADHESIVE, THE ADHESIVE MANUFACTURER AND QUALITY OF MATERIALS BOND DATA, AND OTHER CONSTRUCTION DOCUMENTS.
20. END ZONES FOR WIND DESIGNS ARE EXCLUDED, EC. D = 1.3.

PROTO II FENCE WALL SCHEDULE - CALIFORNIA 2010/2007 CBC AND 2006/2006 IBC

EXPLANATION OF WIND LOAD DESIGN (WDL)

ABOVE 7-45

$q_z = 0.00256 \times K_z \times K_{zt} \times K_d \times V^2 \times I$ (EQ. 6-15)
$C_e = 0.57$ (EXP B), 0.85 EXP C (TABLE 6-3)
$C_q = 1.0$ (EXP B) & 1.0 -0" (SECTION 6.5.7.1 #5)
$G_f = 0.85$ (EXPOSURE TO SOLID SIGN, TABLE 6-4)
V = VELOCITY 3 SECOND GUST MPH

$I = 0.87$ (CATEGORY I TABLE 6-1)
$F = 0.4 \times K_z \times V \times A_e$ (EQ 6-1)
$A_e = 0.8$ (WIND STRUCTURE SEC 6.5.8)
$K_z = 1.3 \times I.I$ (FOR $V_z = 1$ AND 6.5 & 10)
A_e = AERIAL 1 SQUARE FOOT.

* 1.3 MULTIPLIER GIVES TO ADJUST FOR ONLYOUT ADJUSTMENT FACTOR FOR TIGHT 6-35 FOOTNOTE 3.

WIND TYPE	WALL HEIGHT	4" PROTO II (8" POST TENSION ROD SPACING ON CENTER)	8" PROTO II (8" POST TENSION ROD SPACING ON CENTER)	8" PROTO II (8" POST TENSION ROD SPACING ON CENTER)	SLIP FILLER FOOTING ON CENTER SPACING, SEE DETAIL 1 FOR DIP FOOTING PARTIALLY, SEE DETAIL 2 FOR SECTION	CONTINUOUS TENSION FOOTING DEPTH ** SEE DETAIL 3 FOR SECTION
14.1 PSF	2'-0"	4'-0"	3'-0"	8'-0"	11'-0"	18"
85 MPH	3'-0"	4'-0"	3'-0"	8'-0"	11'-0"	21"
EXP C	4'-0"	4'-0"	3'-0"	8'-0"	11'-0"	24"
	5'-0"	4'-0"	3'-0"	8'-0"	11'-0"	27"
	6'-0"	4'-0"	3'-0"	8'-0"	11'-0"	30"
	7'-0"	4'-0"	3'-0"	8'-0"	11'-0"	33"
	8'-0"	4'-0"	3'-0"	8'-0"	11'-0"	36"
	9'-0"	4'-0"	3'-0"	8'-0"	11'-0"	39"
	10'-0"	4'-0"	3'-0"	8'-0"	11'-0"	42"
	11'-0"	4'-0"	3'-0"	8'-0"	11'-0"	45"
	12'-0"	4'-0"	3'-0"	8'-0"	11'-0"	48"

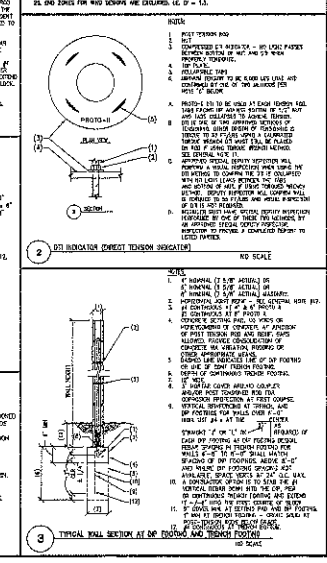
* SEE GENERAL NOTE 18.

** TRENCH FOOTING DEPTH ADJUSTMENTS (AT CONTRACTOR'S OPTION):

AT THE CONTRACTOR'S OPTION, UP TO ONE COURSE OF MASONRY MAY BE BURIED BELOW GRADE. THE BURIED BLOCK MAY BE TRIMMED AS NEEDED AS PART OF THE TRENCH DEPTH PROVIDING THE SOIL BETWEEN 8"-10" OF THE BOTTOM OF THE BLOCK IS COMPACTED TO 90 PERCENT. THE FOOTING SHALL WIDEN 18 DEPTHS AS SHOWN IN DETAIL 3, FROM THE TOP OF THE FOOTING TO THE TOP OF THE WALL REGARDLESS OF WHETHER A COURSE IS BURIED.

SOIL DESIGN PARAMETERS

SOIL REPORT BY: WALLACE KUHL & ASSOCIATES
WK# 9330.22P
DATED: NOVEMBER 14, 2013
BEARING CAPACITY = 3000 PSF
PASSIVE PRESSURE = 250 PCF
ACTIVE PRESSURE = 40 PCF



NOTES:

1. FOOTING DESIGN ALLOWABLE: 1000 PSF BEARING, 100 PSF/FT LATERAL.
2. MAXIMUM HEIGHT FOR 4" PROTO II = 8'-0" MAX. HEIGHT FOR 8" PROTO II = 10'-0". MAX. HEIGHT FOR 8" PROTO II = 12'-0" STABILIZATION WALLS MAY BE USED.
3. MAXIMUM DIP FOOTING SPACING = 12'-0". MINIMUM SPACING = 3'-0". TOLERANCE IS ±2'S BUT THE NUMBER OF DIP FOOTINGS MUST REMAIN THE SAME FOR A GIVEN LENGTH OF WALL.
4. POST TENSION ROD IS INDEPENDENT OF DIP OR POST SPACING.
5. POST TENSION ROD DIMENSIONS TOLERANCE IS ±8" BUT THE NUMBER OF RODS FOR A GIVEN LENGTH OF WALL MUST REMAIN THE SAME.
6. 12" x 4"-0" DEEP SINGULAR FOOTING WITH 1 #4 REPT, MAY BE USED IN LIEU OF 8-0" FOOTING SPACING AND SETTING PAD TO REMAIN THE SAME.

CARUSO TURLEY SCOTT INC.
consulting structural engineers
1219 W. Ritz Ranch Pkwy
Suite 200
Tempe Arizona 85282
(480) 774-1700
(480) 774-1701 FAX
www.ctsinc.com

PROTO II FENCE WALL

VALLEY OAKPARK
SACRAMENTO, CA

PROTO-II™ WALL SYSTEMS
WWW.PROTO2.COM

BID SET

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARKS, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

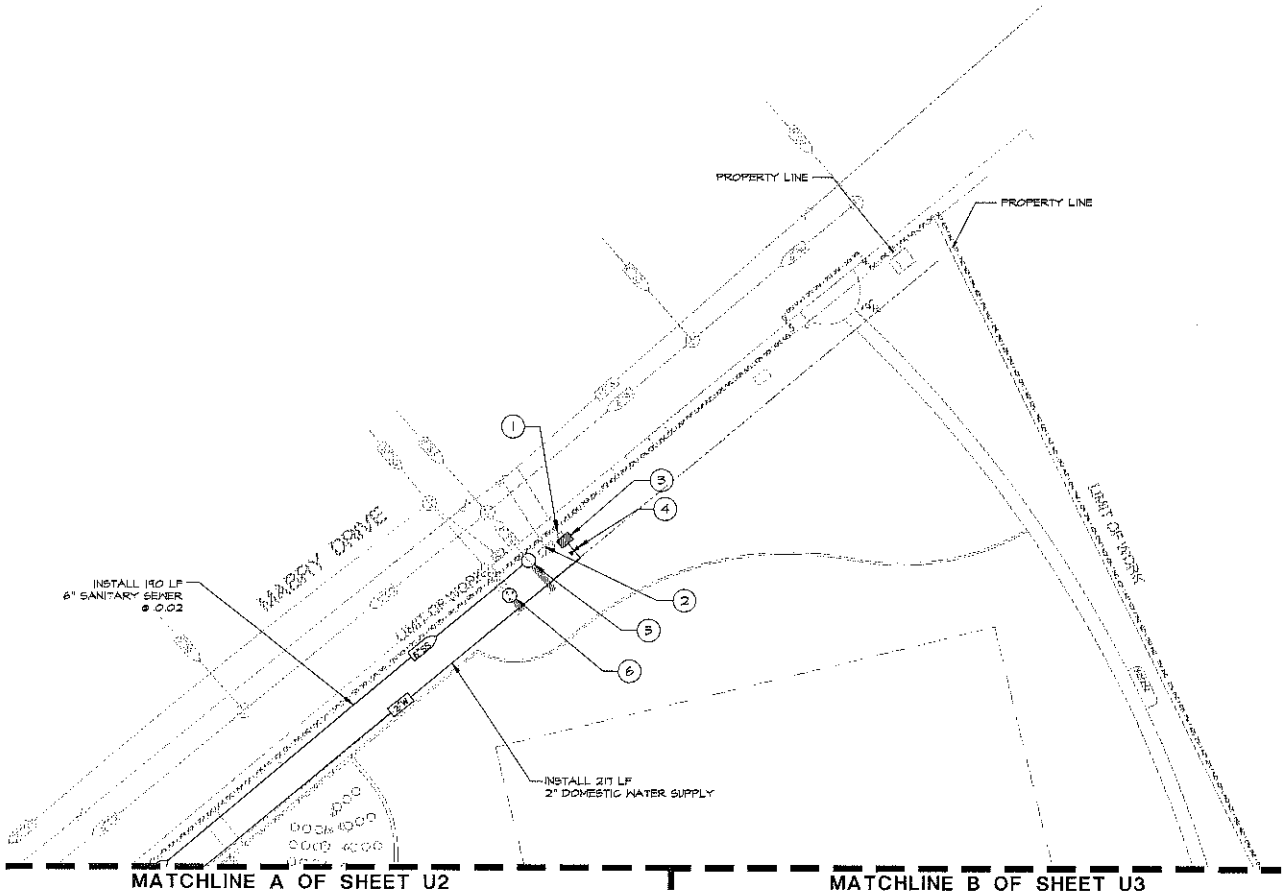
VALLEY OAK PARK
BALL WALL DETAILS
ADD ALT. #3

LANDSCAPE ARCHITECT: PH
DESIGN BY/DRAWN BY: DM/BG/JB
CAD FILE: 15.012
DATE: 12/1/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.W. #: L18182100
REVISIONS

08-115-6200	
10-115-6900	
11-115-7350	
11-115-7395	
12-115-7819	
13-115-8478	
JOB NUMBER: 13-115-8561	
DRAWN: TMH	DESIGNED: TH
CHECKED BY: MRF	SCALE: AS NOTED
DATE: 11.26.2013	
SHEET: 1 OF 1	

SHEET NO. L53 OF 65

Know what's below. Call before you dig.



CONSTRUCTION NOTES

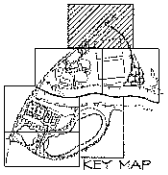
1. EXIST 1" DOMESTIC WATER SERVICE
   CITY TO PROVIDE AND INSTALL 1" WATER SERVICE METER AFTER ON-SITE PLUMBING INSPECTION. CONTRACTOR TO PROVIDE AND INSTALL APPROVED RP ASSEMBLY PER CITY STD DWG W-606 (NOTE: METER FEE IS PAID OFF). CONTRACTOR TO COORDINATE.
2. EXIST 4" IRRIGATION SERVICE
   CITY CREWS TO ABANDON SERVICE FOR A FEE OF $2,375.00. CONTRACTOR TO COORDINATE.
3. PROPOSED 1"W BFP (DOM) INSTALL PER CITY STD W-505
4. 2" GATE VALVE
5. SANITARY SEWER POC #1
   INSTALL SANITARY SEWER CO PER SASD STD LL-02A
   Inv @ EXIST MANHOLE (MABRY DRIVE)=7.05
   Inv @ EXIST STUB END=7.18
   Inv Out=7.11
   Inv In(SW)=7.21
6. STORM DRAIN POC #1
   INSTALL STORM DRAIN MH # 5A PER CITY STD DETAIL S-80
   Inv @ EXIST MH (MABRY DRIVE)=10.94
   Inv @ EXIST STUB END=11.04

UTILITY LEGEND

- EXISTING BACKFLOW PREVENTER
- PROPOSED BACKFLOW PREVENTER (1" WILKINS 450XL)
- EXISTING METER BOX
- EXISTING WATER LINE
- 4"W — PROPOSED DOMESTIC WATER LINE
- EXISTING STORM DRAIN
- GATE VALVE (NOTE 6)
- PRESSURE RELIEF VALVE
- THROTTLE VALVE
- EXISTING SEWER SYSTEM
- 8"SS — PROPOSED SEWER SYSTEM
- REMOVE EXIST PIPE
- EXISTING MANHOLE
- PROPOSED MANHOLE

UTILITY NOTES

1. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, AND VALVES SHOWN ARE FOR DESIGN CLARIFICATION ONLY. INSTALL PIPING AND VALVES OUTSIDE OF CONCRETE WORK AND AWAY FROM PLAY AREAS WHERE POSSIBLE.
2. THE TYPES, LOCATIONS SIZES AND DEPTHS OF EXISTING UTILITIES SHOWN ON THESE 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. THE CITY OF SACRAMENTO NOR ITS CONSULTANT, MARK THOMAS AND COMPANY, INCORPORATED, CAN ASSUME THE RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UTILITIES NOR THE EXISTENCE OF OTHER BURIED OBJECTS OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED BUT ARE NOT SHOWN ON THESE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE RESPECTIVE UTILITY COMPANIES FOR VERIFICATION AT THE SITE OF ANY POSSIBLE CONFLICTS WITH THEIR UNDERGROUND UTILITIES AND THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE RESPECTIVE UTILITY COMPANIES 48 HOURS PRIOR TO WORKING AROUND ANY POSSIBLE CONFLICTS WITH THEIR UNDERGROUND UTILITIES AND THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
5. CONTRACTOR SHALL CONNECT NEW DOMESTIC WATER SYSTEM DIRECTLY TO EXISTING 1" WATER LINE AS SHOWN. CONTRACTOR TO EXPOSE WATER LINE, AND CONNECT TO PROPOSED GATE VALVE AFTER TESTING AND DISINFECTION.
6. GATE VALVE BOX SHALL BE PER CITY STANDARD DRAWING W-304.
7. INSTALL BACKFLOW PREVENTER CONCRETE PAD PER STANDARD DRAWING W-505.
8. FOR MH RIM ELEVATIONS SEE GRADING AND DRAINAGE SHEETS.
9. VALVES ARE TO BE IN ACCORDANCE WITH CITY OF SACRAMENTO STANDARD SPECIFICATIONS.
10. SEE SHEET U-3 FOR SASD SANITARY SEWER NOTES.
11. INSTALL A CO PER SASD LL-02A EVERY 100 FEET, FOR SEWER PIPES LONGER THAN 100 FEET.



0 10' 20' 40' NORTH

MARK THOMAS & COMPANY
3200 FULSOM BOULEVARD, SUITE 210
SACRAMENTO, CALIFORNIA 95818
(916) 391-9100 FAX (916)391-9140

CA PROJECT NO. 13.012

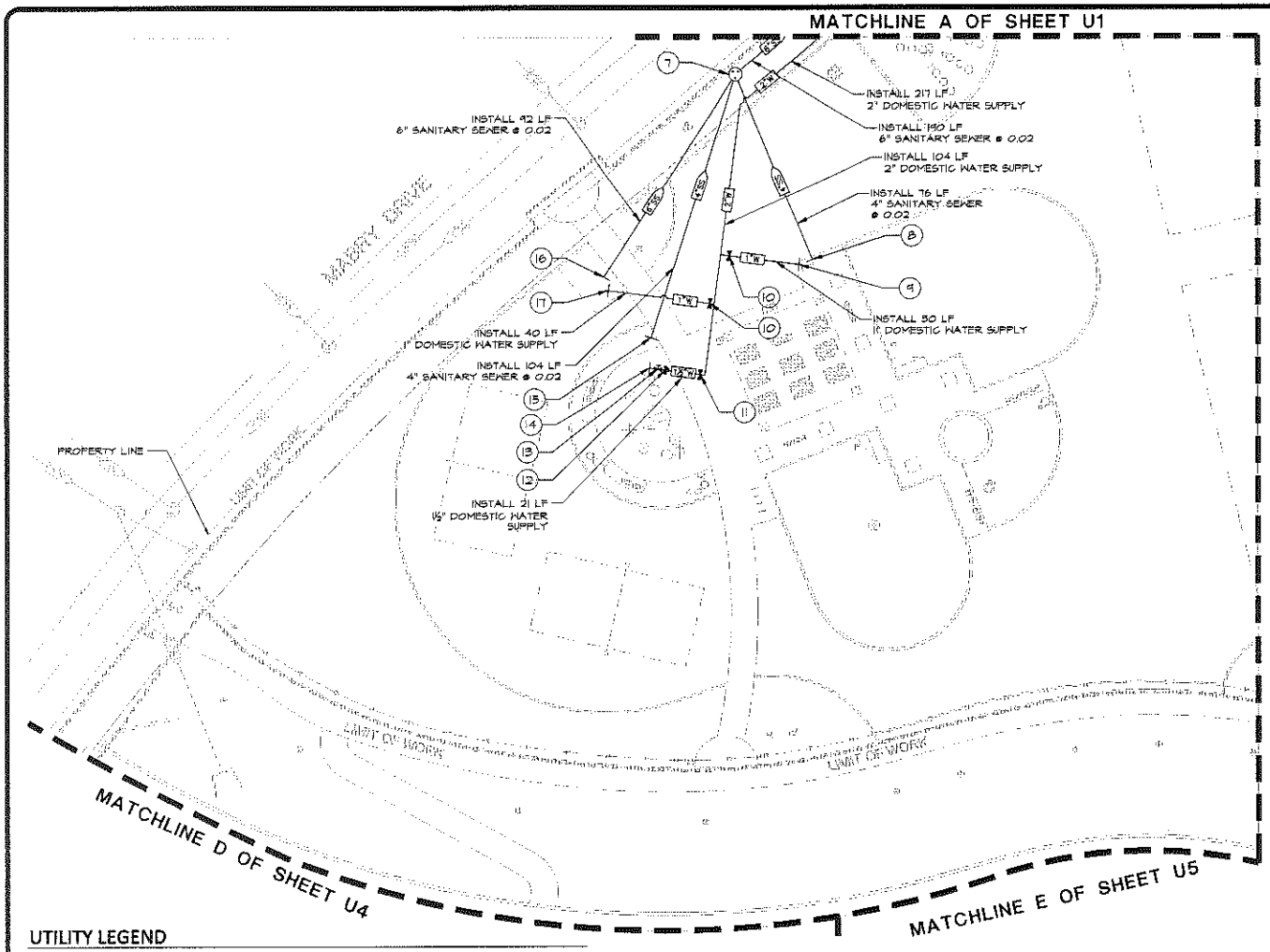
BID SET

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK
UTILITY PLANS

CIVIL ENGINEER: A. ENGEL
DESIGN BY/DRAWN BY: MJ/KD
CAD FILE: 13012
DATE: 10/1/13
SCALE: 1"=20'-0"
CAD SCALE: 1:1
P.N.
REVISIONS

SHEET NO. U1 OF 65



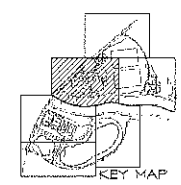
CONSTRUCTION NOTES

7. SANITARY SEWER MH PER COUNTY STD DWG T-4C-50 Inv Out=11.01, Inv In(SE)=11.44, Inv In(S)=14.36, Inv In(SW)=11.26
8. CONNECT TO DRINKING FOUNTAIN, SEE DETAIL 4 ON L37 SS COTG, Inv=12.96
9. CONNECT TO DRINKING FOUNTAIN, SEE DETAIL 4 ON L37
10. 1" GATE VALVE
11. 1½" GATE VALVE
12. 1½" PRESSURE RELIEF VALVE
13. 1½" THROTTLE VALVE
14. CONNECT TO MISTER AREA SYSTEM, SEE SHEET L12
15. CONNECT TO MISTER AREA DRAIN SYSTEM, SEE SHEET L12 SS COTG, Inv=16.64
16. STUB TO FUTURE RESTROOM SS COTG, Inv=13.10
17. STUB TO FUTURE RESTROOM

UTILITY LEGEND

- EXISTING BACKFLOW PREVENTER
- PROPOSED BACKFLOW PREVENTER (1" WILKINS 950XL)
- EXISTING METER BOX
- EXISTING WATER LINE
- 4"W — PROPOSED DOMESTIC WATER LINE
- EXISTING STORM DRAIN
- GATE VALVE (NOTE 6)
- PRESSURE RELIEF VALVE
- THROTTLE VALVE
- EXISTING SEWER SYSTEM
- 8"SS — PROPOSED SEWER SYSTEM
- REMOVE EXIST PIPE
- EXISTING MANHOLE
- PROPOSED MANHOLE

BID SET



0 10' 20' 40' NORTH

MARK THOMAS & COMPANY

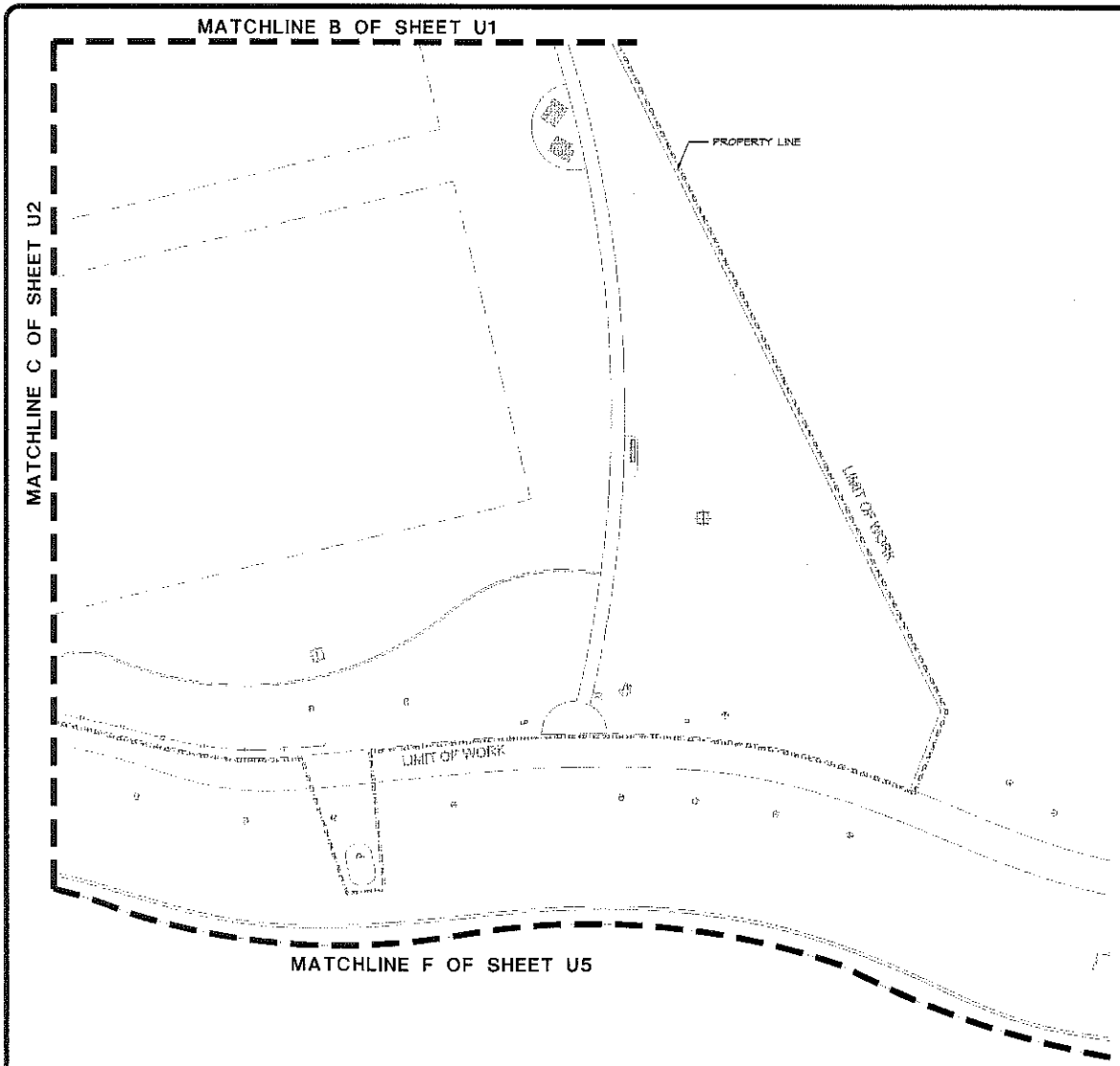
CA PROJECT NO. 13.012

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK
UTILITY PLANS

CIVIL ENGINEER: A. ENGEL
DESIGN BY/DRAWN BY: MJ/KD
CAD FILE: 13012
DATE: 10/7/13
SCALE: 1"=20'-0"
CAD SCALE: 1:1
P.N.
REVISIONS

SHEET NO. U2 OF 65



SASD SANITARY SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS USED WITHIN THE PIPE ZONE SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE SASD DESIGN STANDARDS AND THE SASD CONSTRUCTION SPECIFICATIONS. THE LATEST EDITION SHALL TAKE PRECEDENCE. THE CONTRACTOR SHALL OBTAIN AND USE ALL APPLICABLE ADDENDUMS. INTERMEDIATE BACKFILL, FINAL BACKFILL, AND ALL ROAD SECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GOVERNING JURISDICTION STANDARD CONSTRUCTION SPECIFICATIONS.

2. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE INSPECTION OFFICE FIVE (5) WORKING DAYS IN ADVANCE OF BEGINNING WORK.
   a. FOR COLLECTOR FACILITIES
      i. FOR PROJECTS LOCATED WITHIN THE UNINCORPORATED COUNTY, CITY OF CITRUS HEIGHTS, CITY OF RANCHO CORDOVA AND THE CITY OF ELK GROVE CONTACT THE SACRAMENTO COUNTY CONSTRUCTION MANAGEMENT AND INSPECTION DIVISION AT 875-2700.
      ii. FOR PROJECTS LOCATED WITHIN THE CITY OF SACRAMENTO LIMITS CONTACT THE PUBLIC UTILITIES DEPARTMENT AT 808-6810.
   b. FOR TRUNK FACILITIES
      i. CONTACT THE SACRAMENTO COUNTY CONSTRUCTION MANAGEMENT AND INSPECTION DIVISION AT 875-2700.

3. PLANS SHALL BE RESUBMITTED FOR APPROVAL IF CONSTRUCTION OF SEWER FACILITIES HAS NOT BEGUN WITHIN ONE YEAR AFTER THE FINAL APPROVAL DATE OF THESE IMPROVEMENT PLANS.

4. ALL WORK SHALL BE INSPECTED BY THE SASD INSPECTION STAFF PRIOR TO BACKFILLING THE PIPE ZONE.

5. DIMENSIONS SHOWN ON PLANS ARE TO THE CENTERLINE OF PIPE AND OR MANHOLES, UNLESS OTHERWISE NOTED.

6. ALL MANHOLES SHALL BE 48" IN DIAMETER, UNLESS OTHERWISE SHOWN.

7. SANITARY SEWER MAINS SHALL BE CONSTRUCTED OF EXTRA STRENGTH VCP PIPE WITH TYPE II BEDDING AND BACKFILL, UNLESS OTHERWISE NOTED.

8. CONTRACTOR SHALL USE SIX-FOOT (6') PIPE LENGTHS IN CURVED SECTIONS, UNLESS OTHERWISE NOTED.

9. COMMERCIAL AND RESIDENTIAL LOWER LATERALS SHALL BE CONSTRUCTED PER SASD DESIGN STANDARDS DRAWING LL-01A.

10. CONSTRUCTION OF A CLEANOUT TO GRADE FOR ALL LOWER LATERALS IS REQUIRED PER SASD DESIGN STANDARD DRAWING LL-02A.

11. ANY WATER ENTERING THE SANITARY SEWER SYSTEM TO BE CONSTRUCTED UNDER THESE PLANS SHALL NOT BE DISCHARGED TO THE EXISTING SYSTEM. PLUGS MUST BE INSTALLED IN EXISTING MANHOLES AS NECESSARY TO PERMIT PUMPING THE NEW SYSTEM CLEAR OF WATER AND DEBRIS PRIOR TO ACCEPTANCE. CARE SHALL BE EXERCISED IN LOCATING PLUGS TO AVOID INTERRUPTING SERVICE CONNECTIONS. MORTAR AND BRICKS OR MECHANICAL DEVICE PLUGS MUST BE USED; INFLATABLE DEVICES ARE NOT SATISFACTORY.

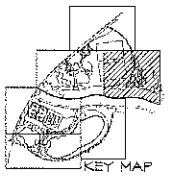
12. SASD REQUIRES TELEVISION INSPECTION OF ALL CONSTRUCTED SEWER LINES IN ACCORDANCE WITH SECTION 353 OF THE SASD STANDARDS AND SPECIFICATIONS. THE SEWER INSPECTOR SHALL SIGN PLANS ON PROVIDED SIGNATURE BLOCK "OK TO SUBMIT FOR GRID NUMBERING" AFTER INSTALLATION OF ALL SEWER FACILITIES AND PRIOR TO OBTAINING DISTRICT GRID NUMBERS FOR TELEVISION INSPECTION.

13. THE CURRENT LIST OF SASD APPROVED TV CONTRACTORS GO TO http://www.sacsewer.com/pdf/aprv-tv-con.pdf OR CALL 916-876-PLAN (7526)

14. DEWATERING SHALL BE PERFORMED AS NECESSARY TO PROVIDE A STABLE TRENCH BOTTOM FOR PLACEMENT OF SEWER FACILITIES. PRIOR TO THE CONTRACTOR PLACING MATERIALS IN THE TRENCH, THE BOTTOM OF THE TRENCH SHALL BE CERTIFIED BY A GEOTECHNICAL ENGINEER VERIFYING THAT THE TRENCH MEETS THE REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT. ADDITIONAL REQUIREMENTS FOR UNSTABLE CONDITIONS SHALL BE AT THE WRITTEN DIRECTION OF THE PROJECT GEOTECHNICAL ENGINEER OF RECORD. GEOTEXTILE FABRIC WILL BE REQUIRED AS DESCRIBED IN NOTE 2; SASD DESIGN STANDARD DRAWING F-01.

15. ANY DEVIATIONS FROM THE APPROVED PLANS SHALL BE SUBMITTED TO SASD FOR APPROVAL. ALL DEVIATIONS SHALL BE APPROVED IN WRITING BY SASD AS A PLAN REVISION PRIOR TO CONSTRUCTION. THE REQUEST FOR DEVIATION FORM CAN BE FOUND AT http://www.sacsewer.com/pdf/form-request-for-deviation.pdf

BID SET



0 10' 20' 40' NORTH

MARK THOMAS & COMPANY
7200 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95826
(916) 381-9100 FAX:(916)381-9180

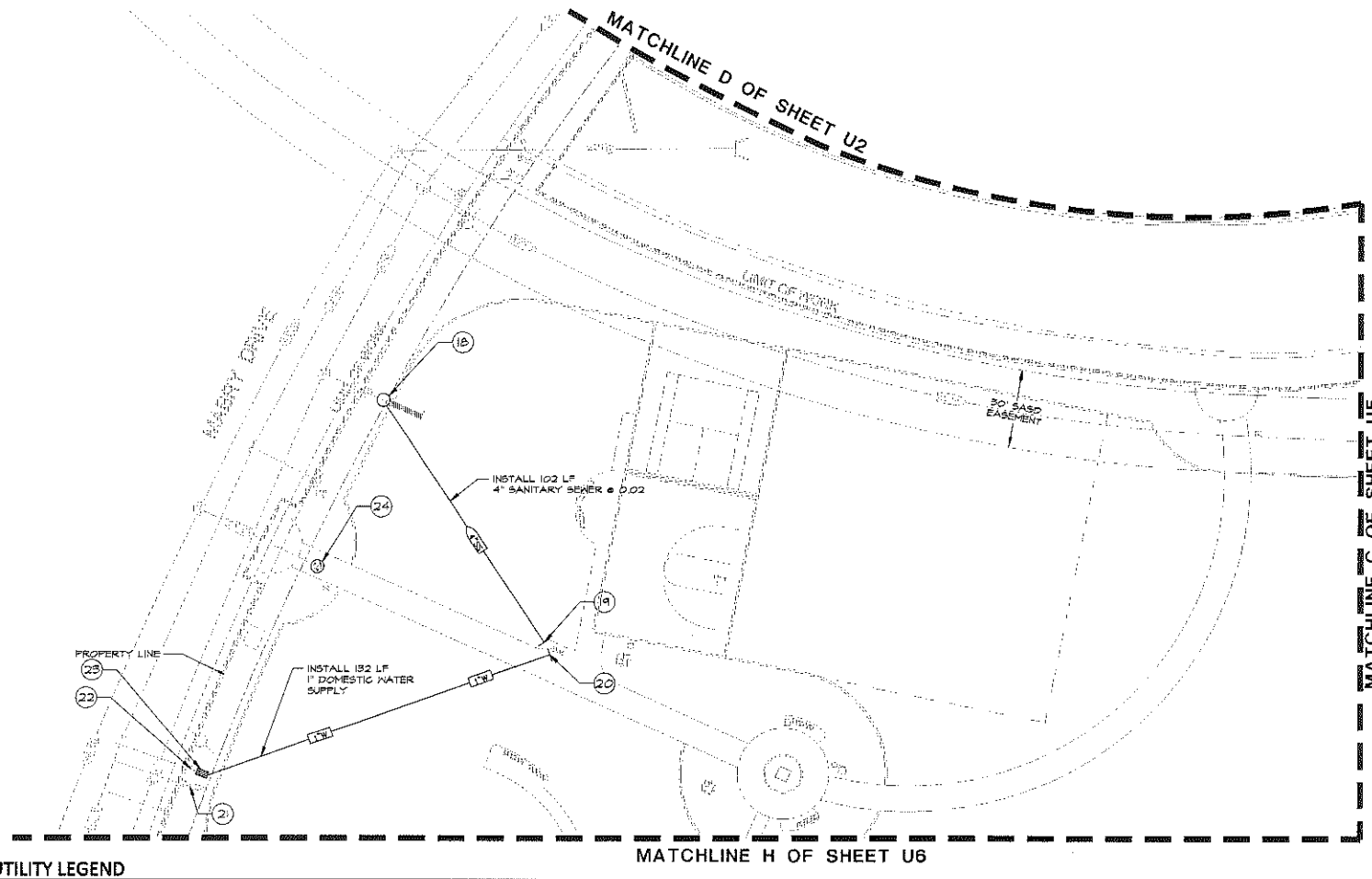
CA PROJECT NO. 13.012

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK
UTILITY PLANS

CIVIL ENGINEER: A. ENGEL
DESIGN BY/DRAWN BY: MJ/KD
CAD FILE: 13012
DATE: 10/1/12
SCALE: 1"=20'-0"
CAD SCALE: 1:1
F. N.:
REVISIONS

SHEET NO. U3 OF 65



CONSTRUCTION NOTES

(18) SANITARY SEWER POC #2
INSTALL SANITARY SEWER CO PER SASD STD LL-02A
Inv @ EXIST MH (MABRY DRIVE)=(6.50)
Inv @ EXIST STUB END=(7.32)
Inv Out=7.00
Inv In(S)=7.35

(19) CONNECT TO DRINKING FOUNTAIN, SEE DETAIL 4 ON L37
SS COTG, Inv=9.57

(20) CONNECT TO DRINKING FOUNTAIN, SEE DETAIL 4 ON L37

(21) EXIST 4"W BFP (IRR), EXIST 5"W METER (IRR) PARKS DEPARTMENT TO CONTACT CITY WATER METER SUPERVISOR OSCAR ALCANTAR AT 916-808-6901 TO ACTIVATE METER. NO ADDITIONAL FEES FOR THIS ITEM. CONTRACTOR TO COORDINATE.

(22) EXIST 1" IRRIGATION SERVICE WITH 1" METER PARKS DEPARTMENT TO CONTACT CITY WATER METER SUPERVISOR OSCAR ALCANTAR AT 916-808-6901 TO ACTIVATE AND SWITCH METER FROM AN IRRIGATION SERVICE TO A DOMESTIC SERVICE. NO ADDITIONAL FEES FOR THIS ITEM. CONTRACTOR TO COORDINATE.

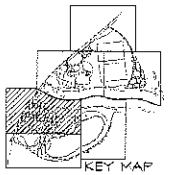
(23) PROPOSED 1"W BFP (DOM)

(24) STORM DRAIN POC #2
INSTALL STORM DRAIN MH #3A PER CITY STD DETAIL S-80
Inv @ EXIST MH (MARBY DRIVE)=(9.25)
Inv @ EXIST STUB END=(9.30)
SEE GRADING AND DRAINAGE PLANS FOR PROPOSED INVERTS.

BID SET

UTILITY LEGEND

- EXISTING BACKFLOW PREVENTER
- PROPOSED BACKFLOW PREVENTER (1" WILKINS 950XL)
- EXISTING METER BOX
- EXISTING WATER LINE
- 4"W — PROPOSED DOMESTIC WATER LINE
- EXISTING STORM DRAIN
- GATE VALVE (NOTE 6)
- PRESSURE RELIEF VALVE
- THROTTLE VALVE
- EXISTING SEWER SYSTEM
- 8"SS — PROPOSED SEWER SYSTEM
- REMOVE EXIST PIPE
- EXISTING MANHOLE
- PROPOSED MANHOLE



0 10' 20' 40' NORTH

MARK THOMAS & COMPANY
2300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95816
(916) 381-8100 FAX: (916) 381-2180

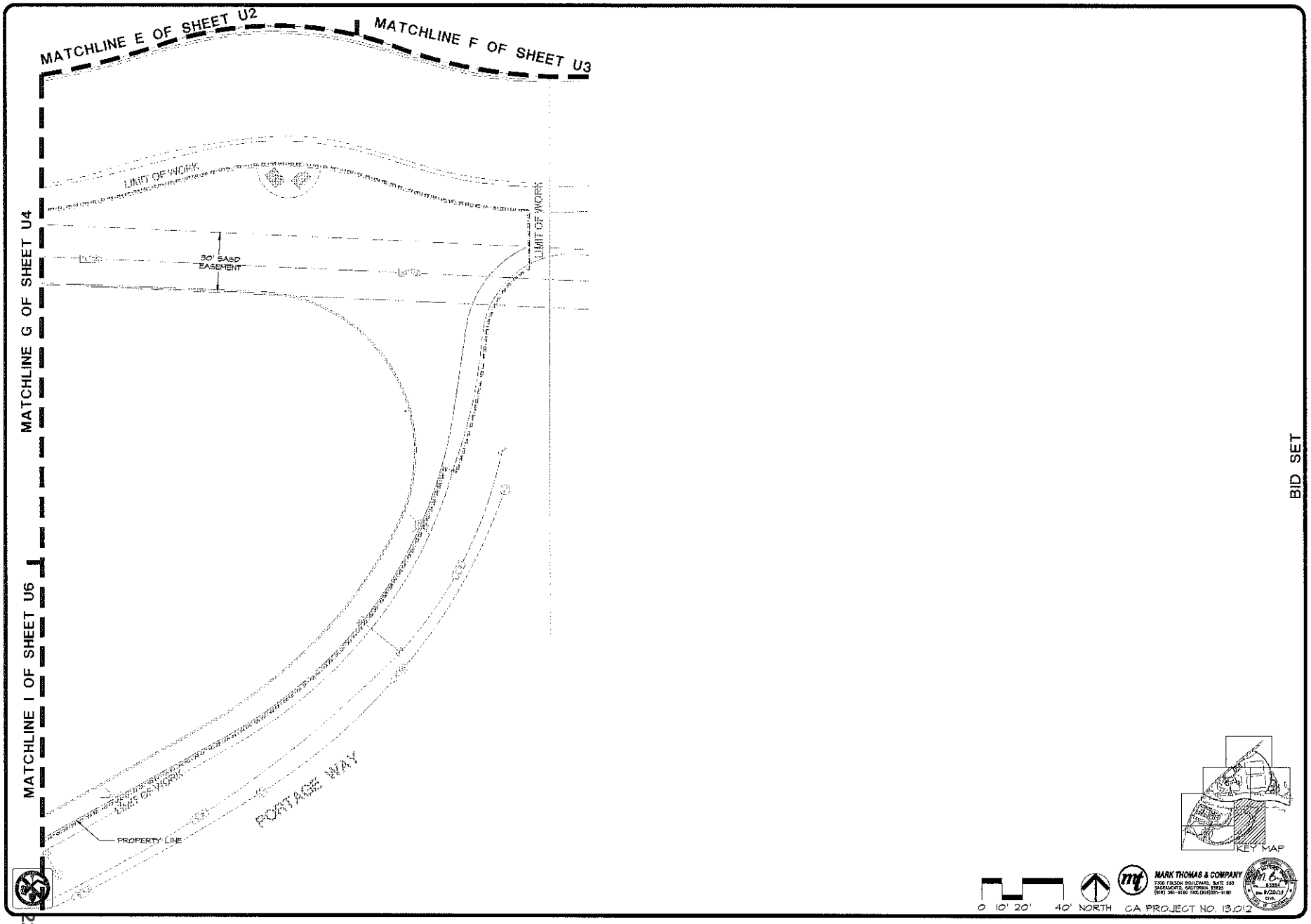
CA PROJECT NO. 13.012

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK
UTILITY PLANS

CIVIL ENGINEER: A. ENGEL
DESIGN BY/DRAWN BY: MJ/KD
CAD FILE: 13012
DATE: 10/7/13
SCALE: 1"=20'-0"
CAD SCALE: 1:1
P.N.:
REVISIONS

SHEET NO. U4 OF 65



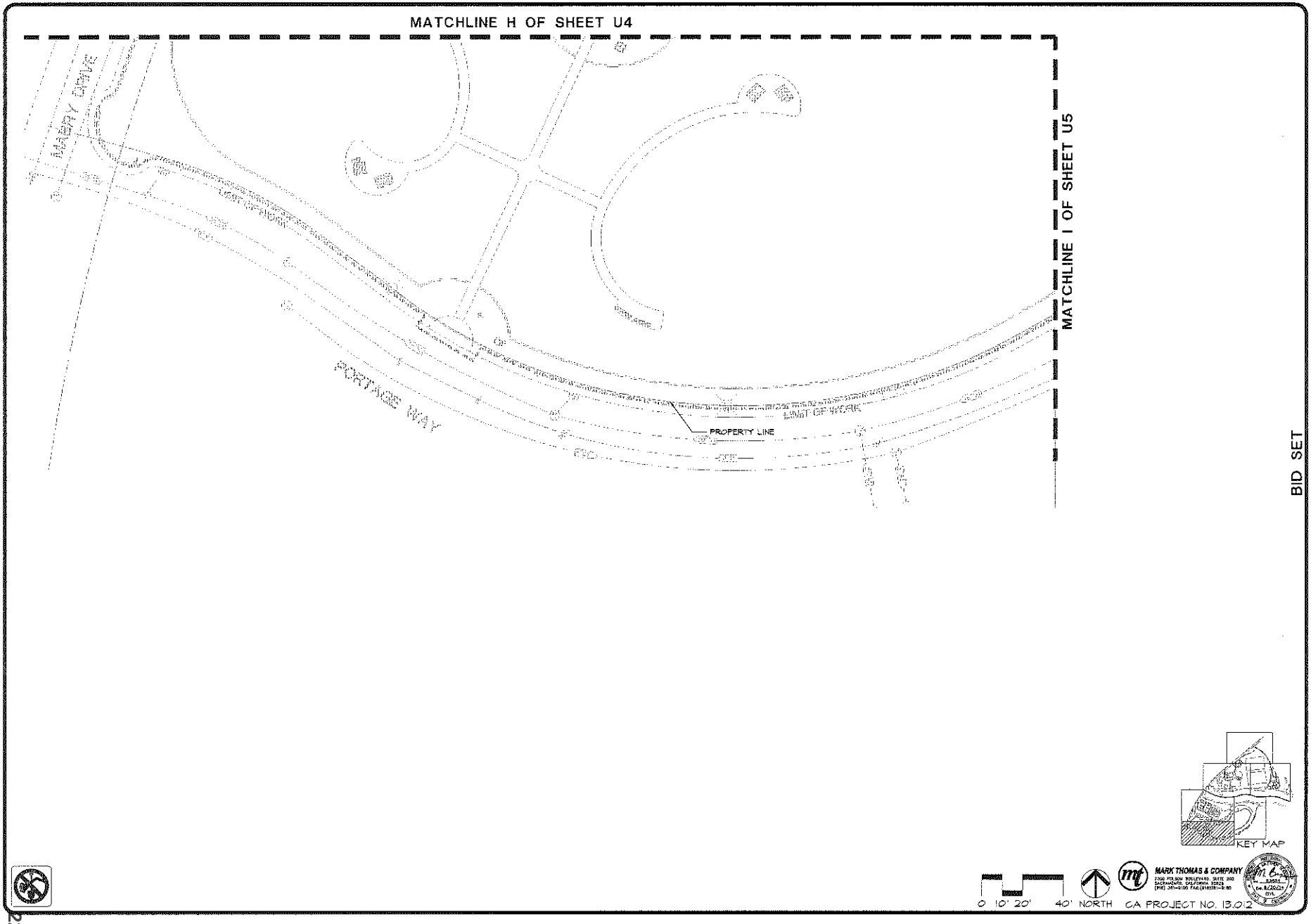
BID SET

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK
UTILITY PLANS

CIVIL ENGINEER: A. ENGEL
DESIGN BY/DRAWN BY: MJ/ED
CAD FILE: 13012
DATE: 10/1/13
SCALE: 1"=20'-0"
CAD SCALE: 1:1
P. N.:
REVISIONS

SHEET NO. U5 OF 65


MATCHLINE H OF SHEET U4
MATCHLINE I OF SHEET U5
MABRY DRIVE
PORTAGE WAY
LIMIT OF WORK
PROPERTY LINE
BID SET
KEY MAP
0 10' 20' 40' NORTH
MARK THOMAS & COMPANY
CA PROJECT NO. 13.012
CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814
VALLEY OAK PARK
UTILITY PLANS
CIVIL ENGINEER
A. ENGEL
DESIGN BY/DRAWN BY
MJ/KD
CAD FILE
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DATE 10/7/13
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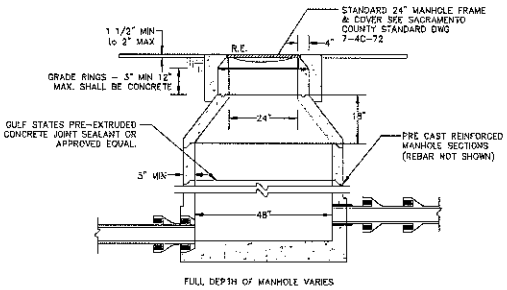
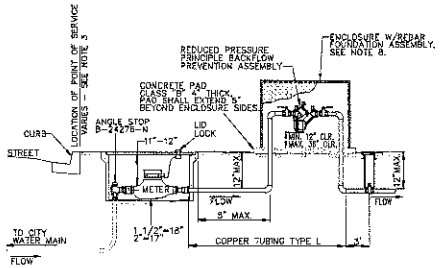
P.N.
REVISIONS
SHEET NO.
U6 OF 65



NOTES:

1. FOR DETAILS NOT SHOWN, SEE SACRAMENTO COUNTY STANDARD DWG 7-4C-30.

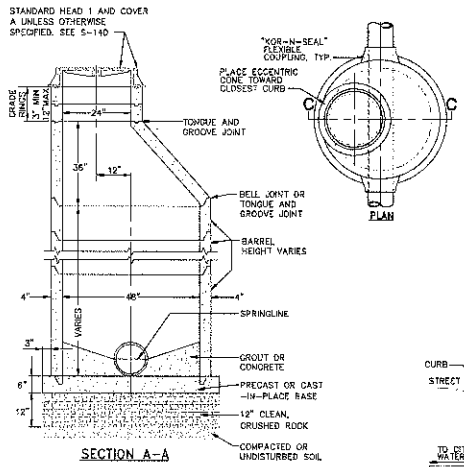
SS Manhole
NTS



NOTES:

1. FOR DETAILS NOT SHOWN, SEE CITY OF SACRAMENTO STANDARD DRAWING W-606.

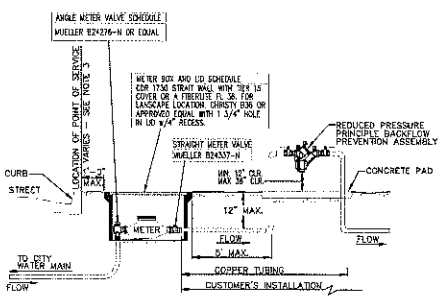
2-INCH & SMALLER RP ASSEMBLY WITH WATER METER
ON ALL CITY IRRIGATION SYSTEMS
NTS



NOTES:

1. FOR DETAILS NOT SHOWN, SEE CITY OF SACRAMENTO STANDARD DRAWING S-80.

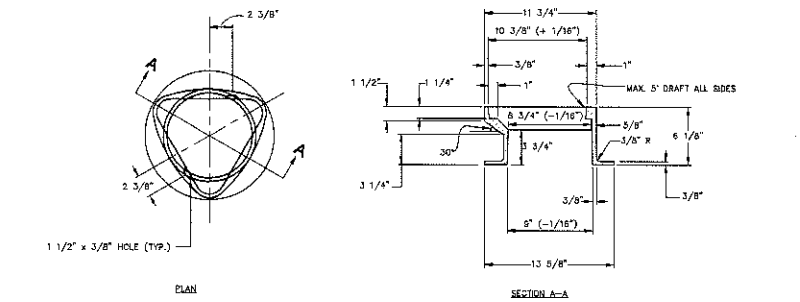
SD Manhole #3A
NTS



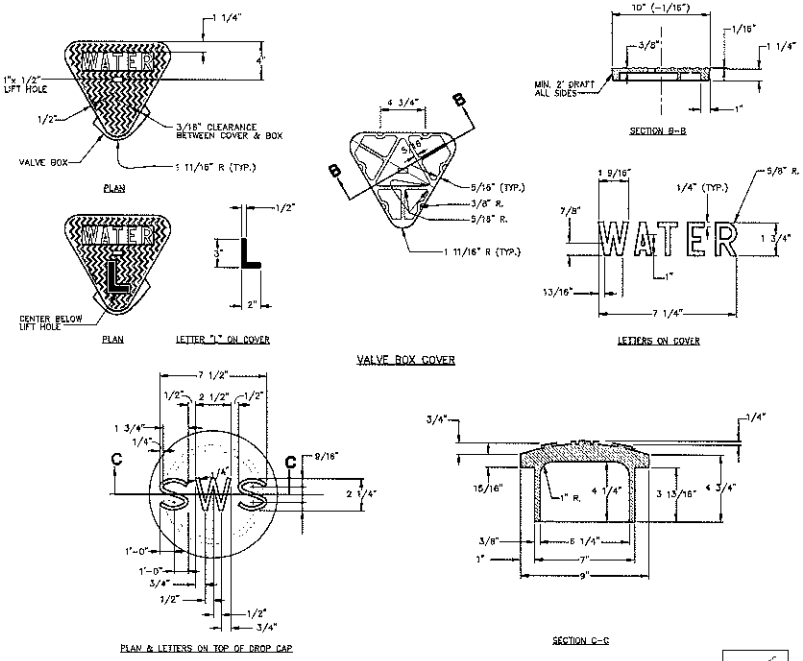
NOTES:

1. FOR DETAILS NOT SHOWN, SEE CITY OF SACRAMENTO STANDARD DRAWING W-505.

INSTALLATION OF 2-INCH & SMALLER RP ASSEMBLY WITH WATER METER
NTS



VALVE BOX FOR STREETS AND PAVED SURFACES

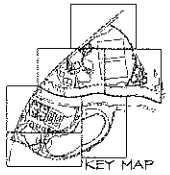


DROP CAP FOR PUBLIC UTILITY EASEMENTS

NOTE:

1. VALVE BOX, VALVE BOX COVER, AND DROP CAP SHALL BE CONSTRUCTED OF CAST IRON WITH MINIMUM TENSILE STRENGTH OF 25,000 P.S.I.
2. VALVE COVER WITH "L" DESIGNATION SHALL BE USED FOR NEW VALVE INSTALLATION SOUTH OF THE AMERICAN RIVER.
3. FOR DETAILS NOT SHOWN, SEE CITY OF SACRAMENTO STANDARD DRAWINGS W-304.

CITY STANDARD VALVE BOX AND DROP CAP
NTS



0 10' 20' 40' NORTH

MARK THOMAS & COMPANY
2300 FOLSOM BOULEVARD, SUITE 203
SACRAMENTO, CALIFORNIA 95816
(916) 387-9100 FAX:(916)387-9190

CA PROJECT NO. 13.012

BID SET

CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK
UTILITY PLANS

CIVIL ENGINEER: A. ENGEL
DESIGN BY/DRAWN BY: MJ/KP
CAD FILE: 13012
DATE: 10/7/13
SCALE: 1"=20'-0"
CAD SCALE: 1:1
F. N.:
REVISIONS

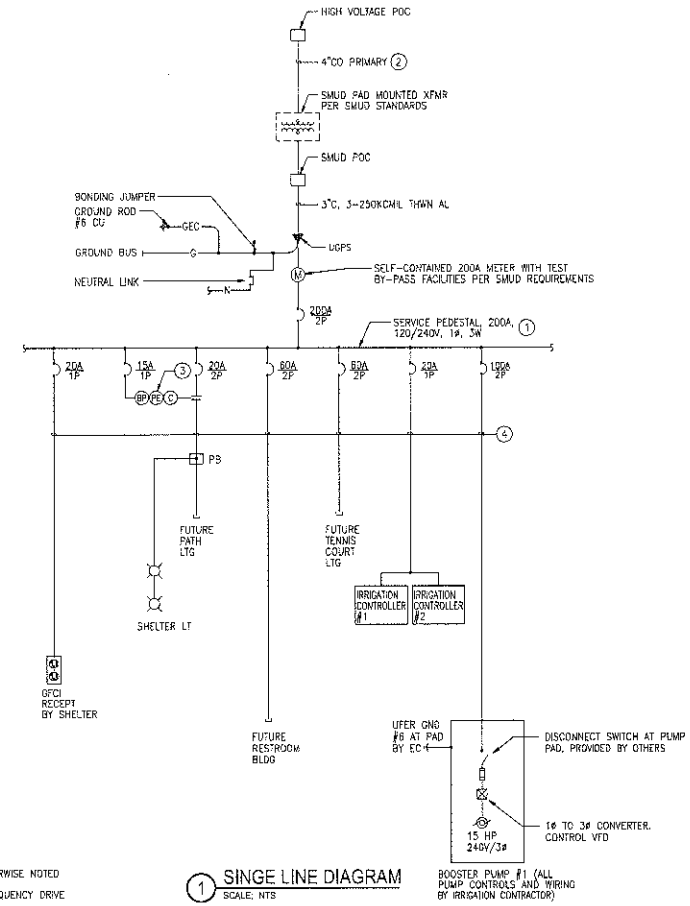
SHEET NO. 47 OF 65

LEGEND

- A-1 — HOMERUN CONDUIT AND CONDUCTORS TO PANEL 'A' CIRCUIT 1; SLASH MARKS INDICATE NUMBER OF CONDUCTORS, 2 #12 AWG + 1 #12 GND. UON
- CIRCUIT UNDERGROUND
- CIRCUIT EXPOSED
- T — T — TELEPHONE LINE
- OH — OH — OVERHEAD WIRE
- CONDUIT UP
- CONDUIT DOWN
- CONDUIT STUB AND CAP
- CONDUIT CONTINUATION
- UTILITY REVENUE KWH METER
- CIRCUIT BREAKER
- GROUND TO EARTH
- SWITCH
- CONTACTS, NORMALLY OPEN, NORMALLY CLOSED
- TRANSFORMER
- UNDERGROUND TERMINATION POINT
- SERVICE METER PEDESTAL
- EB — ELECTRICAL PULL BOX
- E — CONTACTOR
- TS — TIME SWITCH
- BP — BY-PASS TEST SWITCH
- DUPLEX RECEPTACLE
- LIGHT FIXTURE
- 1 / E1 — DETAIL TAG e.g., 1 IS THE DETAIL NUMBER, E1 IS THE SHEET NUMBER
- F1 — LIGHT FIXTURE TAG, FIXTURE TYPE F1
- 1 — SHEET NOTE TAG, NOTE 1
- 1 — FEEDER TAG, FEEDER 1

ABBREVIATIONS

A,AMP	AMPERE
AFG	ABOVE FINISHED GRADE
BP	BY-PASS TEST SWITCH
C	CONDUIT
CB	CIRCUIT BREAKER
CO	CONDUIT ONLY
CU	COPPER
CWP	COLD WATER PIPE
DIA	DIAMETER
EC	ELECTRICAL CONTRACTOR
EV	ELECTRICAL VEHICLE
(E)	EXISTING TO REMAIN
GALV	GALVANIZED
GEC	GROUNDING EQUIPMENT CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
G,GND	GROUND
HDPE	HIGH DENSITY POLYETHYLENE
HP	HORSEPOWER
HV	HIGH VOLTAGE
LT	LIGHT
LTG	LIGHTING
MFGR	MANUFACTURER
MTD	MOUNTED
N	NEUTRAL
(N)	NEW
PC	PHOTOCONTROL
POC	POINT OF CONNECTION
PVC	POLYVINYLCHLORIDE
(R)	EXISTING TO BE REMOVED
RECEPT	RECEPTACLE
RSC	RIGID STEEL CONDUIT
SCH	SCHEDULE
SAD	SEE ARCHITECTURAL DRAWINGS
SLD	SEE LANDSCAPE DRAWINGS
SMUD	SACRAMENTO MUNICIPAL UTILITY DISTRICT
TEL	TELEPHONE
TS	TIME SWITCH
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLT
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER



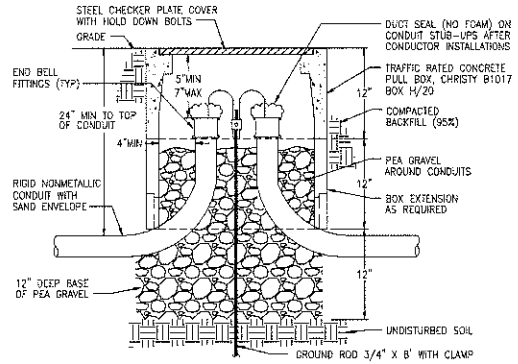
1 SINGE LINE DIAGRAM
SCALE: NTS

LOAD CALCULATION	
TYPE	LOAD, AMP
BOOSTER PUMP #1, 15HP	75
IRRIGATION CONTROLLERS (2)	6
TENNIS COURT LIGHTS	60 (FUTURE)
FUTURE PATH LIGHTS	10
SHELTER LT + RECEPT	3
RESTROOM	30 (FUTURE)
TOTAL	184

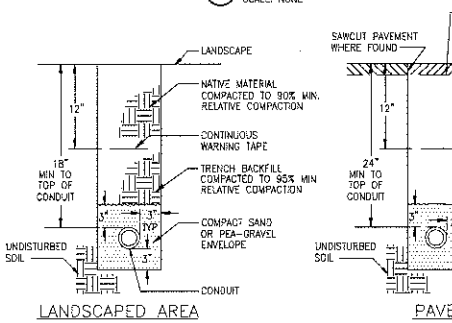
SHEET NOTES:

1. SHORT CIRCUIT RATING TO BE VERIFIED WITH SMUD BY CONTRACTOR PRIOR TO ORDERING
2. 4"CO PRIMARY CONDUIT UNDER STREET, USE DIRECTIONAL BORE METHOD
3. PHOTOELECTRIC CONTROL MOUNTED INSIDE PEDESTAL ENCLOSURE
4. SEE SITE PLAN AND FEEDER SCHEDULE FOR CONDUIT AND WIRE SIZE AND QUANTITY

FEEDER SCHEDULE				
TAG NO.	CONDUIT SIZE	WIRE SIZE	GROUND SIZE	DESCRIPTION
1	3"C	3-250KCMIL AL	NA	SERVICE PEDESTAL
2	2"C	2 #2	#8	BOOSTER PUMP #1
3	2"CO	WITH PULL LINE	NA	FUTURE RESTROOM BLDG
4	2"C	2 #8 2 #8 WITH PULL LINE	#8	RECEPTACLE CKT SHELTER LIGHT
5	1/2"C	2 #12	#12	RECEPTACLE CKT
6	1/2"C	2 #12	#12	SHELTER LIGHT
7	2"C	2 #2 2 #8	#8	BOOSTER PUMP #1 IRRIGATION CONTROLLERS (2)
8	2"CO	WITH PULL LINE	NA	FUTURE PATH LTG
9	2"CO	WITH PULL LINE	NA	FUTURE TENNIS COURT LIGHTS



2 PULL BOX DETAIL
SCALE: NONE



LANDSCAPED AREA

PAVED AREA

3 TRENCH DETAILS
SCALE: NONE

811 Know what's below. Call before you dig.

ZEIGER ENGINEERS, INC
ELECTRICAL CONSULTANTS
428 3RD STREET
SACRAMENTO, CA 95607
TEL (916) 452-8391
FAX (916) 452-8641

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CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK PLANNING DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK
ELEC. LEGEND & DETAILS

LANDSCAPE ARCHITECT: BPL
DESIGN BY/DRAWN BY: RZ/AS/MSL
CAD FILE: 13.012
DATE: 10/28/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.:
REVISIONS

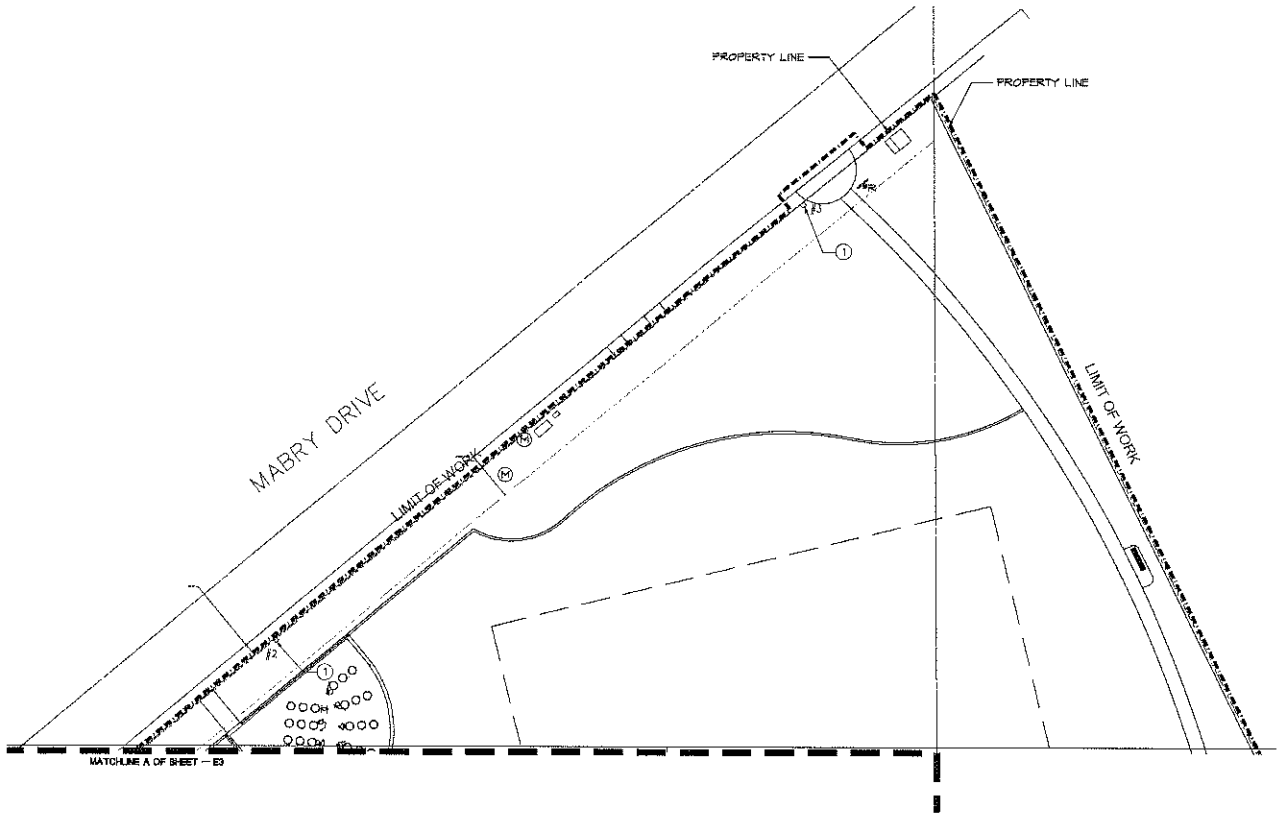
SHEET NO. E1 OF 65

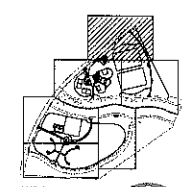
GENERAL NOTES:

1. SEE DWG E1 FOR FEEDER SCHEDULE

SHEET NOTES:

1. (E) STREET LIGHT PAD FOR FUTURE POLE LIGHT INSTALLATION





KEY MAP

0 10' 20' 40'

NORTH

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ELECTRICAL CONSULTANTS
479 3RD STREET
OAKLAND, CA 94607
TEL (510) 432-9391
FAX (510) 432-6661

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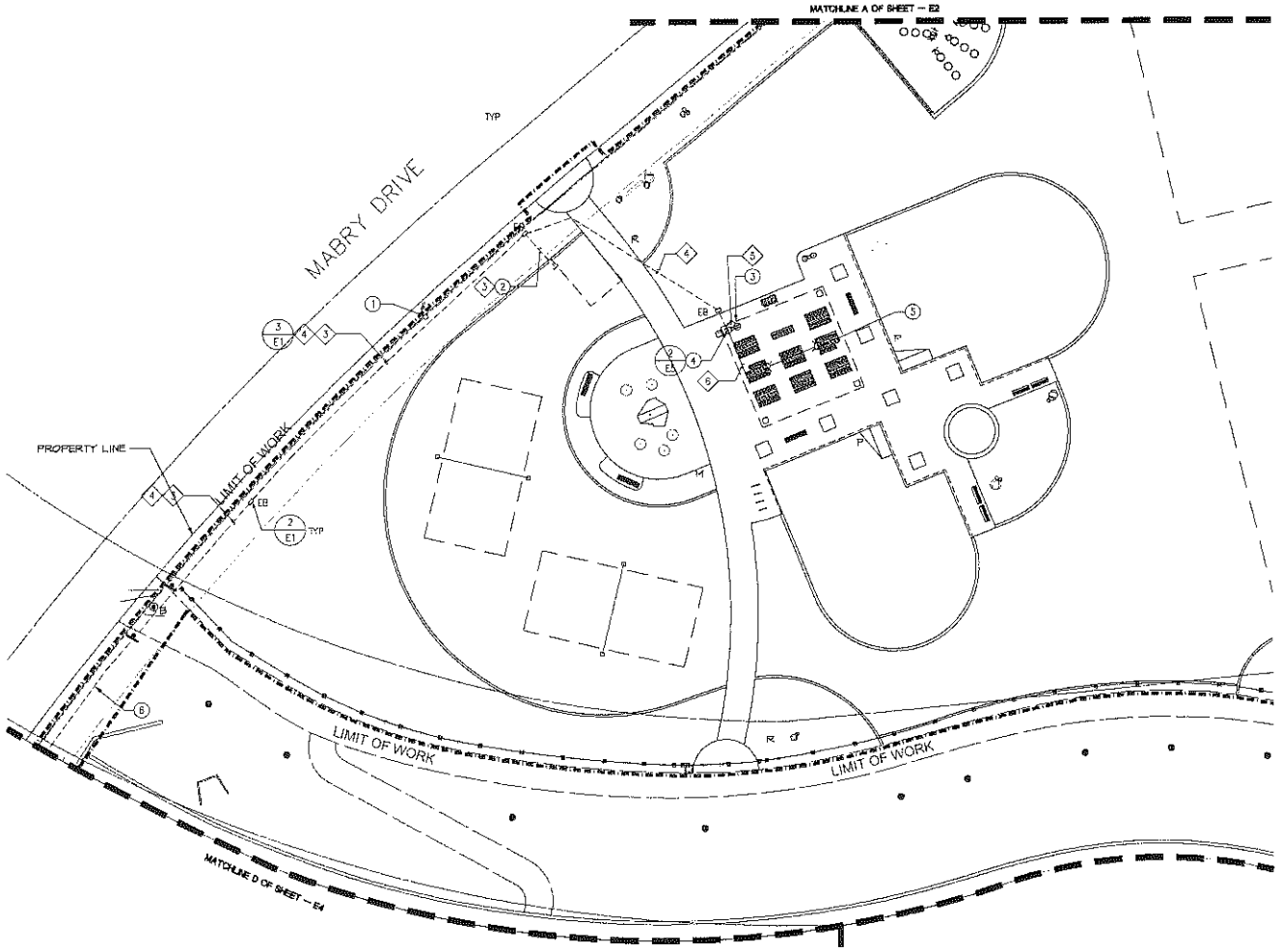
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK
ELECTRICAL SITE PLAN

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: RZ/AG/MSL
CAD FILE: 13.012
DATE: 10/28/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.:
REVISIONS

SHEET NO.
E2 OF 65

3743 10/25/13



GENERAL NOTES:

1. SEE DWG E1 FOR FEEDER SCHEDULE

SHEET NOTES:

1. (E) STREET LIGHT PAD FOR FUTURE POLE LIGHT INSTALLATION
2. STUB OUT FOR FUTURE RESTROOM BLDG
3. RECEPTACLE ON COLUMN
4. CONDUIT UP INSIDE COLUMN
5. SHELTER LIGHTS, ENVOY LIGHTING 'ROLL SERIES', SMALL ROUND LED CEILING LIGHT 14W LED
6. CULVERT CROSSING: INSTALL ELECTRICAL CONDUIT AT BACK OF SIDEWALK OVER CULVERT. PROVIDE MINIMUM 18" COVER, SEE TRENCH DETAIL 3, SHEET E1

BID SET

0 10' 20' 40'

NORTH

811 Know what's below. Call before you dig.

KEY MAP

ZEIDER ENGINEERS, INC.
ELECTRICAL CONSULTANTS
475 3RD STREET
OAKLAND, CA 94607
TEL (510) 452-0191
FAX (510) 452-0441

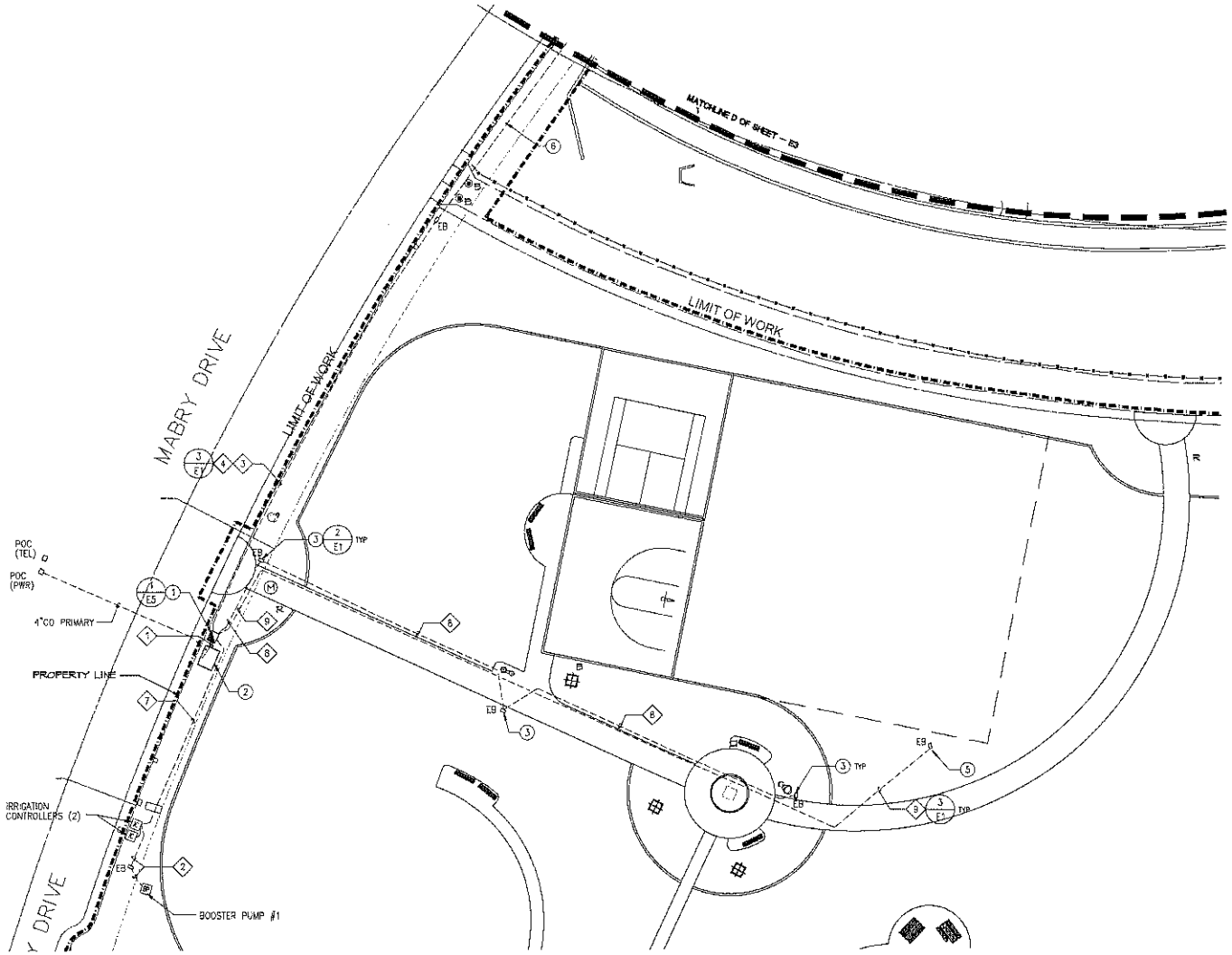
CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK
ELECTRICAL SITE PLAN

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: RZ/AG/MSL
CAD FILE: 15.012
DATE: 10/28/15
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.:
REVISIONS

SHEET NO. E3 OF 65

3743 10/28/15



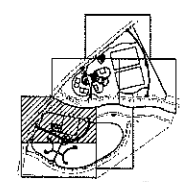
GENERAL NOTES:

1. SEE DWG E1 FOR FEEDER SCHEDULE

SHEET NOTES:

1. SERVICE PEDESTAL, SEE SINGLE LINE DIAGRAM DWG E1
2. SMUD TRANSFORMER PAD MOUNTED, PROVIDED PER SMUD STANDARDS
3. PULL BOX FOR FUTURE PATH LIGHT POLE
4. NOT USED
5. 2" CONDUIT STUB UP IN PULL BOX FOR FUTURE TENNIS LIGHT
6. CULVERT CROSSING: INSTALL ELECTRICAL CONDUIT AT BACK OF SIDEWALK OVER CULVERT. PROVIDE MINIMUM 18" COVER, SEE TRENCH DETAIL 3, SHEET E1

BID SET



KEY MAP

0 10' 20' 40'

NORTH

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ELECTRICAL CONSULTANTS
479 3RD STREET
OAKLAND, CA 94607
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FAX (510) 452-9661

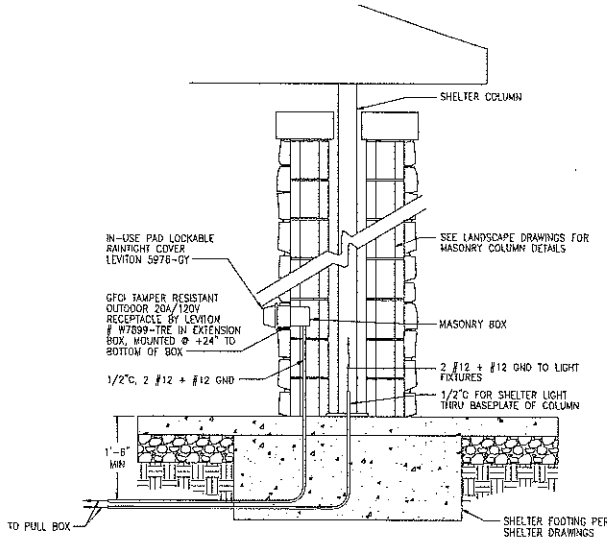
CITY OF SACRAMENTO
PARKS AND RECREATION DEPARTMENT
PARK, PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK
ELECTRICAL SITE PLAN

LANDSCAPE ARCHITECT: BW
DESIGN BY/DRAWN BY: RZ/AG/MSL
CAD FILE: 13.012
DATE: 10/28/13
SCALE: AS SHOWN
CAD SCALE: 1:1
P.N.
REVISIONS

SHEET NO. E4 OF 65

3743 10/25/13

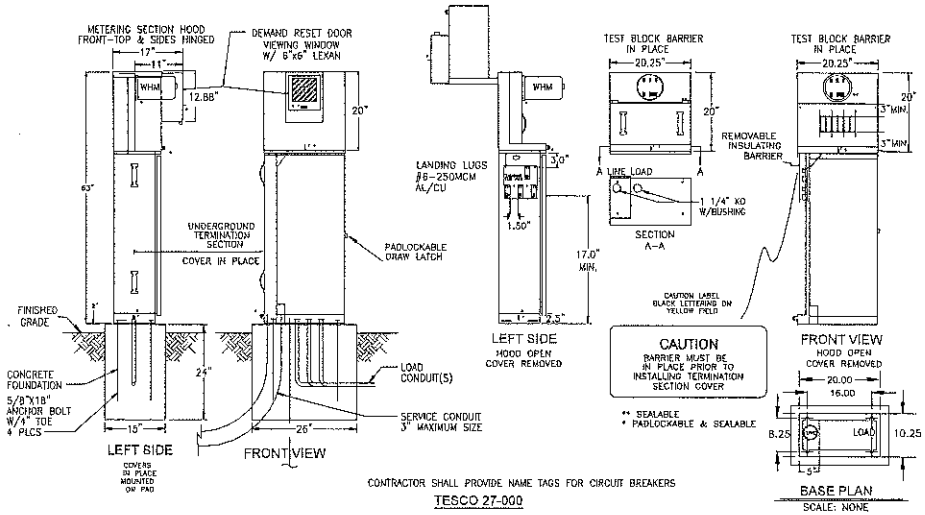


2 RECEPTACLE MOUNTING DETAIL

SCALE: 1"=1'-0"

0 .25' .5' 1' 1.5' 2'

SCALE: 1" = 1'-0"



CONTRACTOR SHALL PROVIDE NAME TAGS FOR CIRCUIT BREAKERS

TESCO 27-000

1 SERVICE PEDESTAL

SCALE: NONE

ENCLOSURE CONSTRUCTION NOTES

1. FABRICATED FROM 14 GA. #304 D STAINLESS STEEL AND INT. 14 GA. COLD ROLLED STEEL ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
2. CONSTRUCTION WILL BE NEMA 3R, RAINTIGHT.
3. ALL NUTS, BOLTS AND SCREWS WILL BE STAINLESS STEEL.
4. NUTS, BOLTS & SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
5. NAMEPLATES WILL BE PROVIDED AS REQUIRED.
6. CONTROL WIRING WILL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
7. A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
8. ENCLOSURE WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.

811 Know what's below. Call before you dig.

ZEIGER ENGINEERS, INC. ELECTRICAL CONSULTANT
428 23rd STREET OAKLAND, CA 94607
TEL (510) 452-9291 FAX (510) 452-9485

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PARKS AND RECREATION DEPARTMENT
PARK PLANNING, DESIGN, & DEVELOPMENT
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 5TH FLOOR,
SACRAMENTO, CA 95814

VALLEY OAK PARK - P.N.

VALLEY OAK PARK ELECTRICAL DETAILS

LANDSCAPE ARCHITECT: BH
DESIGN BY/DRAWN BY: RZ/AG/MSL
CAD FILE: 13.012
DATE: 10/28/13
SCALE: AS SHOWN
CAD SCALE: 1:1
C.N.:
REVISIONS:

SHEET NO. E5 OF 65