

City of Palo Alto City Council Staff Report

(ID # 4578)

Report Type: Consent Calendar Meeting Date: 10/20/2014

Summary Title: Adoption of Park Improvement & Elimination and Defunding

of Capital Improvement Program Project

Title: Adoption of an Ordinance Approving and Adopting a Plan for Improvements to El Camino Park; Approval of and Authorization for the City Manager or his Designee to Execute Contract Amendment No. 3 to Contract C10131396 in the Amount of \$47,850 with CDM Smith, for the El Camino Park Restoration Project; and Adoption of a Budget Amendment Ordinance to Consolidate Existing Funds Totaling \$4,395,286 into Capital Improvement Program PE-13016 from the El Camino Park Playing Fields and Amenities Project PG-13002 and from the El Camino Park Expanded Parking Lot and New Restroom Project PE-13016, and to Retitle PE-13016 to "El Camino Park Restoration Project"

From: City Manager

Lead Department: Public Works

Recommendation

Staff recommends that Council:

- 1. Adopt an Ordinance Approving and Adopting a Plan for Improvements to El Camino Park, including the addition of north field lighting (Attachment A);
- 2. Approve and Authorize the City Manager or his Designee to Execute Contract Amendment No. 3 to Contract C10131396 in the Amount of \$47,850 with Camp Dresser McKee Smith (CDM Smith) for a new not to exceed amount of \$6,348,652, for the combined El Camino Park Emergency Water Reservoir and El Camino Park Restoration Projects (Attachment B); and

3. Adopt a Budget Amendment Ordinance (Attachment C) to Consolidate Existing Funds Totaling \$4,395,286 into Capital Improvement Program PE-13016 from the El Camino Park Playing Fields and Amenities project PG-13002 (\$3,435,286) and from the El Camino Park Expanded Parking Lot and New Restroom project PE-13016 (\$960,000), and retitle the El Camino Expanded Parking Lot and New Restroom project to El Camino Park Restoration Project.

Executive Summary

Since June 2010, staff and the Parks and Recreation Commission (PRC) have engaged in extensive discussions of park improvements at El Camino Park. The opportunity to upgrade this park was presented when the construction of the underground El Camino Park Emergency Water Reservoir Project (CIP WS-08002) necessitated the removal of the original park improvements. With extensive input from the PRC, the City has put together an upgrade plan containing the following key improvements:

- New synthetic turf athletic field (soccer/lacrosse), which replaces a natural turf playing field at the north end of the park;
- The addition of four new field lights for the synthetic turf field permitting evening play;
- Natural turf athletic field (softball/lacrosse/soccer) for the south field to replace the former natural turf playing field. Four replacement field lights to replace the four old field lights on the natural turf field, plus two new field lights to make use of the southern-most part of the natural turf field;
- New restroom facility, scorekeeper booth and twelve new single loop bicycle racks accommodating twenty-four bicycles;;
- Expanded parking lot with 22 additional spaces (total of 68 spaces); and
- Resurface the existing bike path to Class 1 width standards improving the sub-regional trail route to Menlo Park and the Palo Alto Intermodal Transit Center at University Avenue.

The current estimated total project cost for the El Camino Park Restoration Project is \$5.53 million, with \$1.64 million coming from the Water Fund (which is responsible for the cost of restoring El Camino Park to its original condition) and \$2.28 million from Park Development Impact fees to fund the components of the project that were beyond the cost of restoring the park to its original condition.

Funding of \$0.51 million is from the Infrastructure Reserve. Based on updated estimates there may be an estimated funding shortfall of \$1.13 million depending on the bid prices. As a result, staff will bid some of the components as alternates to provide maximum policy flexibility for the Council.

Staff expects to issue a notice inviting bids for the construction phase in November 2014 and to return to Council in December for award of the construction contract. Staff recommends that the project budget not be adjusted at this time, and that a Budget Amendment Ordinance providing for any additional appropriation increases, if necessary, accompany the award of construction.

Background

Since June 2010, staff and the Parks and Recreation Commission (PRC) have engaged in extensive discussions of park improvements at El Camino Park that would coincide with construction of the Utilities Department's El Camino Park Emergency Water Reservoir Project (CIP WS-08002). The El Camino Park Emergency Water Reservoir Project was completed in January 2014. In order to allow for that project to be completed, El Camino Park needed to be deconstructed, with the Water Fund being responsible for the cost of restoring El Camino Park to its original condition.

The Utilities and Community Services Departments have been working on the conceptual design of the restored park and playing fields since August 2010. The PRC has been closely involved with design of the park, including eleven public meetings between June 2010 and April 2012 to receive input from the public, field users, neighbors and other stakeholders on the design of fields, parking, a dog exercise area and other amenities of the park. On April 23, 2012, the City Council approved the revised design of El Camino Park and authorized the allocation of \$2,275,796 of Park Development Impact fees to fund the components of the project that were beyond the cost of restoring the park to its original condition (Staff report #2411). These components included artificial turf, new field lighting foundations and conduits, an expanded parking lot, a new restroom, a possible dog exercise area, and new pathways. At that time, Council also directed staff to conduct an environmental assessment for a potential dog exercise area.

City staff consulted with Thomas Reid and Associates (contractor that specializes in environmental permitting) to discuss any required mitigations concerning the dog run. Staff was informed that because of the proximity to San Francisquito Creek, which contains steelhead trout habitat, there is a required 100' set-back from the creek. The setback requirement renders the proposed site unusable for a dog park. The PRC concluded that relocating a dog park elsewhere in El Camino Park would result in a loss of picnic and essential passive-use areas of the park, and the dog park idea was not carried forward into the park design.

The project funding also included \$1,641,790 from the Water Fund to pay for the estimated construction cost of in-kind park replacement, and \$510,000 from the Infrastructure Reserve. The funding for restoration of El Camino Park, as approved in the FY 2013 Capital Budget, was allocated to the two CIP projects shown in Table 1 below.

CIP	Funding Source	Funding Amount
PE-13016, El Camino Park Expanded Parking Lot and	Infrastructure Reserve	\$510,000
New Restroom	Dev. Impact Fees	\$450,000
PG-13002, El Camino Park Playing Fields and	Water Fund	\$1,641,790
Amenities	Dev. Impact Fees	\$1,793,496
	Total:	\$4,395,286

Over the next few months, it became evident that the Utilities reservoir project was experiencing construction delays, and the estimated reservoir completion date was moved to January 2013, with the park restoration expected to begin in March 2013. During this time in 2012, staff began its review of the potential dog park as well as consideration of options for relocating the Julia Morgan Hostess House into the park. These aspects of the park design were discussed at one council and seven PRC meetings resulting in the postponement of the finalized conceptual design from May 2012 to August 2013 (staff report #3610). At this point, the preliminary park design was initiated. The project's 35% plans were approved by the ARB in December 2013. Also in December 2013, at a joint PRC/Council study session, Council directed staff to investigate the community support and budgetary impacts of additional lighting for the north athletic field.

At the January 21, 2014 PRC meeting, staff presented a draft lighting plan for the synthetic turf field. On February 19, 2014, staff held a community meeting to discuss the lighting plan for the synthetic turf field. The meeting participants

included field users and representatives from the 101 Alma condominiums. The participants agreed that the proposed lighting plan is appropriate for the site. Staff answered questions and verified that the field lights would be on no later than 10pm, and that it will be an automated lighting system that staff can program remotely. With the community support for the lighting plan, completion of the final construction documents proceeded. Please see Attachment D for a detailed chronology of project milestones.

Discussion

Park Improvement Ordinance for El Camino Park

The City Charter and Section 22.08.005 of the City's Municipal Code require that, before any substantial building, construction, reconstruction or development is approved on dedicated park land, the Council must first approve and adopt a plan covering the proposed improvements. On May 21, 2007, Council adopted a Park Improvement Ordinance for the underground reservoir and pump station improvements at El Camino Park.

This second Park Improvement Ordinance (Attachment A) covers the additional El Camino Park improvements proposed by the Community Services Department in coordination with the PRC and the community over the past four years.

CDM Smith and Siegfried Engineering Inc. (sub-consultant) incorporated the Council, ARB, Commission, community and staff's recommendations regarding site features to create a final site design for improvements at El Camino Park. The design includes:

- New synthetic turf athletic field (soccer/lacrosse), which replaces a natural turf playing field at the north end of the park, and the addition of four new field lights for the synthetic turf field
- Natural turf athletic field (softball/lacrosse/soccer) for the south field to replace the former natural turf playing field. Four replacement field lights to replace the four old field lights on the natural turf field, plus two new field lights to make use of the southern-most part of the natural turf field
- New restroom facility; replaces the old restroom facility
- New storage building for maintenance equipment
- New scorekeeper booth
- Expanded parking lot with 22 additional spaces (total of 68 spaces), a

loading/unloading area, and a trash enclosure

- New soccer catchment fencing on north field
- New bicycle racks
- New decomposed granite pathway and pathway lights, and three picnic tables
- New landscaping, trees, fencing, benches and other amenities
- Resurface the existing bike path
- Removal of three trees; two small liquid amber trees, and one Monterey Pine tree, for safety reasons

Throughout the numerous public meetings the community, ARB, Commission, and Council raised questions and made comments and suggestions for design improvements including pedestrian/bike access to the park, replacement restroom location (specifically related to safety and access), tree protection efforts, maximizing parking spaces to accommodate the expansion of field and recreational use, and lighting improvements. In addition to this guidance on design features, Recreation staff has collected insight from various field user groups (during the annual field booking process) regarding preferred field design features such as synthetic turf, field size, and multi-use designs to accommodate growing interest in sports such as lacrosse. This input along with the analysis of an environmental product for the artificial turf provided direction for the final design as identified in the attached park improvement ordinance.

Design Contract

Amendment No. 3 to CDM Smith Contract:

The scope of work for both the El Camino Park Expanded Parking Lot and New Restroom CIP (PE-13016) and the El Camino Park Playing Fields and Amenities CIP (PG-13002) was included in Contract Amendment No. 1 (Staff report #2979) of the Utilities Department's El Camino Park Emergency Water Reservoir Project contract with CDM Smith. The El Camino Park design included \$397,000 for predesign, design, and construction administration and additional services for the restoration phase. Amendment No. 3 in the amount \$47,850 funds the additional design of the field lighting and environmental infill for the artificial turf, public outreach and a community meeting, printing for full size plan sets, additional construction administration for the field lighting and reimbursable expenses. Staff has administratively transferred funding from other tasks in the CDM Smith contract to complete most of the work contained in Amendment No. 3 in order to

avoid further project delays, and Amendment No. 3 is now needed to reimburse those tasks.

Resolution of Unplanned, Additional Pre-Design Costs and Additional Utilities Contributions:

The Emergency Water Reservoir Project has been paying the expenses for the pre-design and design for the El Camino Park Restoration Project (Staff report #2979). The extensive number of meetings with the PRC entailed consideration and initial conceptual design of many project alternatives, and in combination with additional percolation testing needs resulted in \$230,736 in pre-design costs that were not planned and not part of the \$397,000 included in CDM Smith Contract Amendment No. 2. At the conclusion of the pre-design phase, Utilities and Community Services (CSD) Departments staff met to discuss the increased costs and the scope of work that had been included in the original construction cost contribution by Utilities for "in-kind" restoration of the park. Utilities and CSD agreed that the Utilities contribution to the project should be increased to account for park design costs not included in the original construction estimate, ADA compliance upgrades that should have been required in an in-kind restoration but were not included in the original construction estimate, construction management services, and the cost for replacement of trees damaged during the reservoir project. These additional Utilities contributions total \$267,400. The increased pre-design costs, increased Utilities contributions, and reimbursement of Utilities for Amendment No. 2 design work paid by the Reservoir project were addressed through an interdepartmental transfer. The remaining CDM Smith contract work for the project is being paid directly by the El Camino Park Restoration CIP project (PE-13016).

Budget Amendment Ordinance

Staff is recommending consolidation of existing funds in the amount of \$3,198,792 from CIP PG-13002, El Camino Park Playing Fields and Amenities, into CIP PE-13016, El Camino Park Expanded Parking Lot and New Restroom, for a total project budget allocation of \$4,395,286. Consolidation of funds and elimination of PG-13002 will allow for simpler and more streamlined management of the project. Staff is also recommending that PE-13016 be retitled to "El Camino Park Restoration Project" to reflect that it contains the scope for the entire El Camino Park restoration. The changes to PE-13016 are reflected in Attachment C.

As described above, the total project budget for the El Camino Park Restoration Project is \$4,395,286. The most recent engineer's estimate for the construction cost of these improvements is \$4.4 million, an increase of approximately \$1.0 million from the 2012 construction cost estimate primarily due to the factors outlined in the table below.

Project Addition	Source of Addition	Estimated	
		Construction	
		Cost	
North Field Lighting bid	Council request for lighting	\$295,000	
alternate	consideration in December 2013		
Upgraded Class 1	Component of the Bicycle/Pedestrian	\$86,000	
Bike/Pedestrian Path bid	Transportation Plan; omitted from		
alternate	original scope		
Pathway Lights (27) &	Building Code requirement; omitted	\$144,000	
upgrade pathway and	from original scope		
parking lot lights to LED			
Environmental Artificial	CEQA analysis and addendum to	\$400,000	
Turf Infill	ensure that there are no significant		
	environmental impacts caused by the		
	use of artificial turf		
	Total:	\$925,000	

This estimate includes the additional construction cost of adding 6 new field lights, upgrades to meet Class 1 bike path standards along the west side of the park, and the addition of Edel Grass TPE option totaling \$925,000. While the field lighting and upgraded bike paths are optional scope increases that could be left out of the project or deferred, the pathway lighting was identified during the design process as a code-required item that had been omitted from the original construction cost estimate for the project. The separate bike path widened to Class 1 standards provides recreation and improves transportation connections to Menlo Park and the Palo Alto Intermodal Transit Center. The additional cost for the environmentally-preferred artificial turf is required to address concerns about potential impacts to field users and the environment. The specified product has been tested by the City and compared to relevant regulatory standards pertaining to human ingestion, drinking water protection and stormwater runoff as part of a

CEQA addendum process addressing the artificial turf and new field lighting.

The current estimated total project cost is \$5.53 million, indicating an estimated funding shortfall of \$1.13 million depending on the bid prices and the award of the north field lighting bid alternate. Staff expects to issue a notice inviting bids for the project in November 2014 and to return to Council in December for award of the construction contract. Staff recommends that the project budget not be adjusted at this time, and that a Budget Amendment Ordinance providing for any additional appropriation increases accompany the award of construction contract Council action in December, once the final costs for the project are known. Staff intends to include the north field lighting addition, which has an estimated cost of \$295,000, as a bid alternate item, so that Council will have the option of approving funds for this addition at the time of construction contract award. The Class 1 Bike/Pedestrian Path will also be included as a bid alternate. There is currently \$205,000 available in the Parks Development Impact Fee Fund that could be used to cover increased costs for the project. This amount is net of the \$2.761 million in Parks Development Impact Fees that was approved by Council for Byxbee Park improvements as part of Council's June 2014 Infrastructure Funding Plan. In addition, existing funds from PL-04010, Bicycle & Pedestrian Transportation Plan Projects, can be used to pay for the cost of the Class 1 Bike/Pedestrian Path upgrade. The remaining potential funding increase would have to be covered from the Infrastructure Reserve.

Project Timeline

The schedule for completion of the El Camino Park Restoration project is as follows:

- 100% Construction Plans Submittal to Building Department 9/22/2014
- Council action on first reading of PIO, BAO adoption, and CDM contract amendment – 10/20/2014
- Council second reading of PIO 11/3/2014
- Bid opening November 2014
- Council approval of construction and construction management contracts December 2014
- Construction begins January 2015
- Project completion Fall 2015

Resource Impact

The Budget Amendment Ordinance (BAO) is necessary to consolidate all existing funding for the El Camino Park Restoration Project into a single CIP, and to appropriately rename that CIP to reflect the Project's scope. At this time, staff is not recommending increases to this project.

Depending on the construction bids received this winter, additional funding is anticipated for the estimated \$925,000 combined cost of the north field lighting bid alternate, code upgrades for the Class 1 bike path, pathway and parking lot LED lighting, and environmentally preferred artificial turf. These additional items, the consultant amendment of \$47,850 and miscellaneous increases for construction such as testing and permitting fees are estimated at \$1.13 million and will likely require a budget adjustment. As described above, the north field lighting and Class 1 bike path additions will be included as optional add-alternate items in the bid package, and there are some funds available in the Parks Development Impact Fee Fund that could be used to cover the project cost increase. In formulating a recommendation to Council at the time of the construction contract award in December, staff will carefully consider the funds available in the Infrastructure Reserve and any impact of the recommendation on funding that has been designated for infrastructure projects as part of the City Council approved Infrastructure Plan.

Policy Implications

The proposed park improvements are consistent with Policy C-26 of the Community Services element of the Comprehensive Plan that encourages maintaining park facilities as safe and healthy community assets; and Policy C-22 that encourages new community facilities to have flexible functions to ensure adaptability to the changing needs of the community.

The proposed project is consistent with the goals of the 2002 Athletic Fields Report.

Environmental Review

The Utilities Department's El Camino Park Reservoir Project was subject to environmental review under provisions of the California Environmental Quality Act (CEQA). A Draft Environmental Impact Report (EIR) for this project was prepared and circulated on November 8, 2006, and a Final Environmental Impact

Report for this project was prepared and circulated on February 8, 2007. Council certified the adequacy of the Final EIR in March 2007. An addendum to the EIR (Attachment E) has been prepared to incorporate any additional park improvements described in this report that present potential new and/or significant environmental impacts not contemplated by the original EIR. The EIR addendum applies criteria for ground and surface water quality and human health standards to guide the selection of the artificial turf product and provides an analysis on the proposed lighting levels for the north athletic field. The north athletic field lighting allows for evening use. The artificial turf allows for more playing time (day and evening), requires less maintenance and watering and is preferred over natural grass. The EIR addendum reflects all park improvements and is also described by the Park Improvement Ordinance (Attachment A).

Attachments:

- A- 00710471A ORDN EI Camino Park PIO.final (DOCX)
- B C10131396_CDM Smith Contract Amendment No 3.final (PDF)
- C BAO XXXX El Camino Park Funding Consolidation (DOC)
- D Chronology (DOCX)
- E El Camino Park CEQA Addendum with Attachments (PDF)

NOT YET APPROVED

Attachment A

ORDINANCE	NO
UKIJINANUF	INC).

Ordinance of The Council Of The City Of Palo Alto Approving And Adopting Plans For Sports-Related Improvements And Associated Facilities Located Within El Camino Park

The Council of the City of Palo Alto does ORDAIN as follows:

<u>SECTION 1</u>. Findings. The City Council finds and declares that:

- (a) Article VIII of the Charter of the City of Palo Alto and Section 22.08.005 of the Palo Alto Municipal Code require that, before any substantial building, construction, reconstruction or development is commenced or approved, upon or with respect to any land held by the City for park purposes, the Council shall first cause to be prepared and by ordinance approve and adopt a plan therefor.
 - (b) El Camino Park is dedicated to park purposes.
- (c) On May 21, 2007, Council adopted a Park Improvement Ordinance No. 4952 for the underground reservoir and pump station improvements at El Camino Park. The ordinance referenced installing a 2.5 million gallon water storage reservoir, modifying the Lytton Station (the existing pump station at El Camino Park) by constructing a below grade pump station and well facilities, replacing the existing above-grade structure with a similarly sized structure, and replacing and upgrading the existing turnout and pumping equipment. The ordinance noted that the construction would require the temporary closure of all or a part of the park for up to a two-year period, and that upon completion of construction, the park would be restored and improved with new facilities. It also noted that there would be no reduction in park area and no part of the park will be used for a non-park usage, other than that which is already occupied by the Lytton Station.
- (d) The City intends to authorize construction of certain additional park improvements within El Camino Park, as shown in Exhibit "A". Construction and installation of these additional park improvements are being coordinated with the City's Utilities Department staff in order to avoid any conflict with the completion of the reservoir and pump station project.
- (e) The following additional sports-related improvements and associated facilities within El Camino Park have been proposed by the Community Services Department in coordination with the Parks and Recreation Commission:
 - (1) Construction of a new synthetic turf athletic field (soccer/lacrosse), which replaces the existing natural turf playing field.
 - (2) Construction of a natural turf athletic field (softball/lacrosse/soccer), which replaces the original natural turf playing field.
 - (3) Construction of a new restroom facility, which replaces the old restroom facility.

NOT YET APPROVED Attachment A

- (4) Construction of a new storage building for maintenance equipment.
- (5) Construction of a new scorekeeper booth.
- (6) Construction of an expanded parking lot with twenty-two additional spaces and a trash enclosure.
- (7) Installation of four new field lights on the north field.
- (8) Installation of two new field lights on the south field.
- (9) Installation of lighting conduit and footings for all new lights on the south field, which will replace the old lights.
- (10) Installation of new pathway lights.
- (11) Construction of soccer catchment fencing on the north field.
- (12) Installation of twelve single loop bicycle racks which will fit up to twenty four bicycles.
- (13) The removal of three trees due to poor health and/or a conflict with the new park improvements.
- (14) Installation of a new decomposed granite pathway and three picnic tables.
- (15) Installation of new landscaping, trees, fencing, benches and other amenities.
- (16) Installation of a widened bike path, signage and other pathway improvements.
- (f) The improvements will avoid existing protected trees located along the perimeter of the park.
- (g) The improvements described above and as more specifically described in Exhibit "A" are consistent with park and conservation purposes.
- (h) The Council desires to approve the improvements described above and as more specifically described in Exhibit "A".
- <u>SECTION 2</u>. The Council hereby approves the Plan for replacement and construction of improvements in El Camino Park and hereby adopts the Plan attached hereto as Exhibit "A" as part of the official plan for the construction of improvements in El Camino Park.
- SECTION 3. The Council finds that the Utilities Department's El Camino Park Reservoir Project was subject to environmental review under provisions of the California Environmental Quality Act (CEQA). A Draft Environmental Impact Report for that Project was prepared and circulated on November 8, 2006, and a Final Environmental Impact Report ("Final EIR") was prepared and circulated on February 8, 2007. Council certified the adequacy of the Final EIR in March 2007. An addendum to the Final EIR has been prepared to incorporate the Project modifications described in this ordinance. The Project refinements, as described above, for the site improvements to El Camino Park would not result in new significant environmental impacts beyond those already identified in the Final EIR, and would not increase the severity of any significant impact previously identified.

NOT YET APPROVED

Attachment A

$\label{eq:section 4} \underline{\text{SECTION 4}}. \ \ \text{This ordinance shall be eff} \\ \text{its adoption.}$	ective on the thirty-first day after the date of
INTRODUCED:	
PASSED:	
AYES:	
NOES:	
ABSENT:	
ABSTENTIONS:	
ATTEST:	
City Clerk	Mayor
APPROVED AS TO FORM:	APPROVED:
Senior Asst. City Attorney	City Manager
	Director of Community Services
	Director of Administrative Services

AMENDMENT NO. 3 TO CONTRACT NO. C10131396 BETWEEN THE CITY OF PALO ALTO AND CDM SMITH, INC.

This Amendment No. 3 to Contract No. C10131396 ("Contract") is entered into on September 24, 2014, by and between the CITY OF PALO ALTO, a California chartered municipal corporation ("CITY"), and CDM SMITH, INC., a Massachusetts Corporation, located at 100 Pringle Ave., Suite 300, Walnut Creek, California 94596 ("CONSULTANT").

RECITALS

A. The Contract was entered into between the parties for the provision of professional consulting design services for the El Camino Park Restoration Project ("Project").

B. The parties wish to amend the Contract.

NOW, THEREFORE, in consideration of the covenants, terms, conditions, and provisions of this Amendment, the parties agree:

SECTION 1. Section 1, SCOPE OF SERVICES is hereby amended to add the following:

Consultant shall perform the services described in Exhibit "A" as revised in accordance with the terms and conditions contained in this Agreement. The performance of all Services shall be to the reasonable satisfaction of the CITY.

<u>SECTION</u> 2. Section 3, <u>SCHEDULE OF PERFORMANCE</u>, is hereby amended to add the following:

Time is of the essence in the performance of services. CONSULTANT shall complete the Services within the term of this Agreement and in accordance with the schedule set forth in Exhibit "B", as revised, attached to and made part of this Agreement. Any Services for which times for performance are not specified in the Agreement shall be commenced and completed by CONSULTANT in a reasonably prompt and timely manner based upon the circumstances and direction communicated to the CONSULTANT. CITY'S agreement to extend the term or the schedule for performance shall not preclude recovery of damages for delay if the extension is required due to the fault of the CONSULTANT.

<u>SECTION 3</u>. Section 4, <u>NOT TO EXCEED COMPENSATION</u>, is hereby amended to read as follows:

The compensation to be paid to CONSULTANT for performance of the Services described above and in Exhibit "A", including payment for both professional services and reimbursable expenses, shall not exceed Six Million Three Hundred Forty- Four Thousand Three Hundred Two Dollars (\$6,344,302.00). In the event Additional Services are authorized,

the total compensation for services and reimbursable expenses shall be increased by those properly authorized amounts, but in no event shall the total compensation exceed Six Million Three Hundred Forty-Eight Thousand Three Hundred Fifty-Two Dollars (\$6,348,652.00). The applicable rates and schedule of payments are set out in Exhibit "C" and "C-1", as revised, which are attached to and made part of this Agreement.

Additional Services, if any, shall be authorized in accordance with and subject to the provisions of Exhibit "A" and Exhibit "C". CONSULTANT shall not receive any compensation for Additional Services performed without the prior written authorization of CITY. Additional Services shall mean any work that is determined by CITY to be necessary for the proper completion of the Project, but which is not included within the Scope of Services described in Exhibit "A".

<u>SECTION 4</u>. Section 12, <u>SUBCONTRACTING</u>, is hereby amended to read as follows:

Notwithstanding Section 11 above, CITY agrees that sub-consultants may be used to complete the Services. The sub-consultants authorized by CITY to perform work on this Project are:

1. Siegfried Engineering, Inc. - Landscape Architect

CONSULTANT shall be responsible for directing the work of any sub-consultants and for any compensation due to sub-consultants. CITY assumes no responsibility whatsoever concerning compensation. CONSULTANT shall be fully responsible to CITY for all acts and omissions of a sub- consultant. CONSTULANT shall change or add sub-consultants only with the prior approval of the city manager or his designee. "

SECTION 5. Section 13, PROJECT MANAGEMENT, is hereby amended to read as follows:

CONSULTANT will assign Arvind Akela as the project director to have supervisory responsibility for the performance, progress and execution of the Services and Bill Brick as the project coordinator to represent CONSULTANT during the day-to-day work on the Project. If circumstances cause the substitution of the project director, project coordinator, or any other key personnel for any reason, the appointment of a substitute project director and the assignment of any key new or replacement personnel will be subject to the prior written approval of the CITY's project manager. CONSULTANT, at CITY's request, shall promptly remove personnel who CITY finds do not perform the Services in an acceptable manner, are uncooperative, or present a threat to the adequate or timely completion of the Project or a threat to the safety of person or property.

The CITY's project manager is Elizabeth Ames, Public Works Department, Engineering Division, at Box 10250, Palo Alto, CA 94303, Telephone: 650.329.2502. The project manager will be the point of contact with respect to performance, progress and execution of the Services. The project engineer is Hung Nguyen, Telephone: 650.329.2548. The CITY may designate an alternate project manager from time to time.

<u>SECTION</u> 6. The following exhibit(s) to the Contract are hereby amended to read as set forth in the attachment(s) to this Amendment, which are incorporated in full by this reference:

- a. Exhibit "A" entitled "SCOPE OF SERVICES AND COMPENSATION".
- b. Exhibit "B" entitled "SCHEDULE OF PERFORMANCE".
- c. Exhibit "C" entitled "COMPENSATION".
- d. Exhibit "C-1" entitled "HOURLY RATE SCHEDULE".

<u>SECTION 7</u>. Except as herein modified, all other provisions of the Contract, including any exhibits and subsequent amendments thereto, shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have by their duly authorized representatives executed this Amendment on the date first above written.

APPROVED: CDM SMITH, INC.

City Manager

By:

limin likela

53BC24C95BD841B...

Name: Arvind Akela

Title: Cient Service Leader

DocuSigned by:

APPROVED AS TO FORM:

Senior Asst. City Attorney

Attachments:

EXHIBIT "A": SCOPE OF SERVICES AND

COMPENSATION EXHIBIT "B": PROJECT SCHEDULE

EXHIBIT "C": COMPENSATION

EXHIBIT "C-1": HOURLY RATE SCHEDULE

EXHIBIT A

Scope of Services for the El Camino Park Restoration Project City of Palo Alto CDM Smith Amendment No. 3

This revised scope of services amends Exhibit "A" entitled 'SCOPE OF SERVICES" in Amendment No. Two to Contract No. C10131396 dated September 10, 2012. The following addition to the scope of services is necessary to address changes to the project since work began on the project in 2012.

Background

The El Camino Park Restoration Project (a.k.a. Phase 2 Project) will restore and improve various park and landscaping elements at El Camino Park immediately following completion of the City's El Camino Park Reservoir, Lytton Pump Station, and Well Project – Phase 1 (a.k.a. Phase 1 Project) construction activities. During development of the El Camino Park Reservoir, Lytton Pump Station, and Well Project – Phase 1 design package, the City decided to make several additional improvements to El Camino Park, rather than have it be replaced in-kind after Phase 1 Project construction, to improve its value and usefulness to the community.

Utilities Department was the lead for the Phase 1 Project. Public Works Engineering Division is the lead for the Phase 2 Project. The CITY's Phase 2 Project Manager is Elizabeth Ames, Public Works Department, and Engineering Division, at P.O. Box 10250, Palo Alto, CA 94303, Telephone: 650.329.2502. The project manager will be the point of contact with respect to performance, progress and execution of the Services. The project engineer is Hung Nguyen, Telephone: 650.329.2548.

Several potential park restoration and improvement concepts were developed by the design team and presented to the City and the Parks and Recreation Commission for feedback. As a result, it was decided that the following elements would be included in the design of the El Camino Park Restoration Project: synthetic turf north soccer/lacrosse playing field; restoration of the existing natural turf south softball/multi use playing field; new storage building for maintenance equipment; new scorekeeper booth attached to storage building; new restroom facility; expanded parking lot with trash enclosure; lighting conduit and footings for all new lights on north field; lighting conduit and footings for all new lights on south field; mulch for non-turf areas; soccer catchment safety netting; limited tree removal; new decomposed granite pathway with future lighting and three picnic tables.

The basis for the layout and design of all El Camino Park Restoration Project elements shall be the package provided for the City Council Meeting held on April 23, 2012, and the Architectural Review Board (ARB) Study Session held on May 3, 2012 (during which only minor comments were received).

The entire park shall be available for the contractor's use during construction as the soccer and baseball field activities shall be temporarily relocated by the City to another location. Following construction, the contractor shall warrant the facilities for one year following substantial completion.

Engineering services for this project shall include: site surveying as necessary to support the design elements, final design, preparation of construction drawings and specifications, bid period services, and construction phase design support services.

Scope of Services

The scope of services is divided into the following tasks.

- 1. Predesign
- 2. Design
- 3. Pre-Construction
- 4. Engineering Services During Construction
- 5. Reimbursable Expenses
- 6. Additional Services

1. Predesign

CONSULTANT shall perform the following work under this task:

- Revisions to Phase 2 landscaping alternative layouts and associated cost estimates as may be required prior to presentation of materials by Park's Department at a future City's Parks & Recreation Division or City Council Meeting.
- Revisions to final base grades in Phase 1 Project civil drawings, in the form of a Phase 1 construction change order, due to revised size and location of the synthetic field to be located on the north half of El Camino Park.

Assumptions:

 CONSULTANT shall meet with City Parks and Recreation Division staff to confirm the City's desired size, use, and features for the new north field synthetic turf surfacing and other new park buildings and amenities.

Deliverables:

 Landscaping and architectural layout plans, renderings, and related materials will be emailed in pdf format to the City for review and comment in preparation for the associated meetings in which the material shall be presented.

2. Design

Project Meetings

CONSULTANT shall plan for meetings with the City's Architectural Review Board (ARB) and with other members of City's departments (User Group Meetings) during the design process, in addition to holding internal coordination meetings with CONSULTANT's design team members. Consultant shall assist the City with a Public Meeting.

Approach:

CONSULTANT shall prepare drawings, including architectural renderings in plan and profile, of the above ground structures and landscaping for presentation to the ARB. Two meetings are planned: One to introduce the 65% design elements to the ARB and receive their suggestions, and a second presentation to confirm CONSULTANT's incorporation of suggestions into the 100% design and hear any final comments prior to completing the Bid Set. Attendance at additional public meetings such as City Council, and the Parks and Recreation Commission are excluded.

Up to four User Group workshops are planned during the design phase. Workshops are anticipated to include the following: Project Kick-off Meeting; 65% User Group Meeting; 90% User Group Meeting; and 100% User Group Meeting. The Consultant shall determine which members of its design team will be present at the User Group workshops.

The CONSULTANT shall assist with developing materials to support a Public Meeting for presentation of the El Camino Park Restoration Project.

- CONSULTANT shall prepare a power point presentation and up to 9 presentation boards for a public meeting to present the current park design and the lighting design.
- One (1) of the nine (9) boards will reflect park sports field photometric design showing lighting levels with all less than 50 feet tall and lighting levels with 70 feet tall poles.
- Consultant shall prepare an exhibit with field lighting design for four pole-mounted lights as presented to the ARB at the meeting held on 12/19/2013.
- CONSULTANT shall attend one (1) public meeting with City staff.

Assumptions:

The City's User Group will include project management from the Community Services Department, a utilities engineering representative, construction, operations, maintenance, traffic, planning, public works storm division, and water quality staff. City staff will prepare meeting summaries and action item lists.

Deliverables:

- Proposed agenda prior to each workshop electronic and paper copies.
- Draft versions of the public meeting materials shall be emailed in pdf format to the City for review and comment prior to the meeting. Final versions shall be emailed to the City or brought by CONSULTANT to the meeting.

65 Percent Design Submittal

The objective of this task is to provide the City with an interim set of documents at approximately 65 percent through the design process. With these documents the City shall be able to confirm that its understanding of the project facilities from the preliminary design work is being appropriately implemented.

Approach:

Drawings and specifications shall be in progress and will not be complete. However, it is important for the City to review the concepts and approaches shown thereon before the design progresses significantly further.

This submittal packages shall contain:

- Symbol, abbreviation, and standard legend drawings.
- Civil grading and drainage site plans.
- Civil yard and irrigation piping site plans.
- Building plan views for architectural, structural, and mechanical disciplines.
- Electrical site plans with major duct bank routing and outdoor lighting locations.
- Electrical single line drawings.
- Typical details for civil, structural, architectural, and electrical disciplines.
- Other drawings in progress that would be useful for review.
- Lists of drawings and specification sections anticipated for the Bid Set.

- Specifications in progress.
- Project construction schedule (provided 2 weeks following delivery of the design package).
- Updated preliminary construction cost estimate (provided 2 weeks following delivery of the design package).
- List of specific questions for City review and response.

One User Group workshop shall be held in conjunction with the delivery of this submittal. It shall be facilitated by CONSULTANT and shall serve to introduce the construction documents to the submittal reviewers.

The City shall review and provide consolidated written comments upon this submittal to CONSULTANT. These comments shall be provided in a Microsoft Word. CONSULTANT shall write responses to all City comments and incorporate these comments into the next design submittal.

CONSULTANT shall complete an internal quality assurance and quality control review at this stage concurrent with the City's review. Results of this review shall be incorporated into the next design progress submittal.

Assumptions:

It is assumed that the El Camino Park Restoration Project shall include the design of the following principal facilities:

- 1. Synthetic turf north soccer playing field;
- 2. Natural turf south softball/lacrosse playing field;
- 3. New restroom facility;
- 4. New storage building for maintenance equipment;
- 5. New scorekeeper booth, attached to storage building;
- 6. Expanded parking lot with trash enclosure;
- 7. Lighting conduit and footings for all new lights on north field and new pathways;
- 8. Lighting conduit and footings for all new lights on south field;
- 9. Mulch for non-turf areas:
- 10. Soccer catchment fencing;
- 11. Bike racks:
- 12. Limited tree removal:
- 13. New decomposed granite pathway and three picnic tables;
- 14. Arboretum design.

Additional assumptions include:

- The basis for the layout and design of all El Camino Park Restoration Project elements shall be the package provided for the ARB Study Session held on May 3, 2012 (during which only minor comments were received), which includes the El Camino Park site plan graphics package prepared for the City Council Meeting on April 23, 2012.
- Consultant shall analyze the existing loading of the existing park electric service and transformer to determine if the existing transformer can support the additional lighting load. If the loads exceeded the capacity of the existing transformer, Consultant will provide the calculated loads to City. The City shall coordinate the replacement of the transformer with CPA's Utilities. However, Consultant's scope of this task shall also include sizing for the main switch gear.

- Consultant shall prepare the field lighting design for 4 pole-mounted lights as presented to the City's Architectural Review Board (ARB) at the meeting held on 12/19/13.
- Consultant shall prepare a final photometric plan representing the lighting levels on the field as well as the limits of spill-over lighting based on staff, community, board and commission feedback. The lighting levels will be represented in foot candles as both spot levels and contours.
- Consultant shall work with the City and the proposed field lighting manufacturer, to specify a lighting control scheme and product line.
- Based on City-provided information and expectations for the interpretive signage and plant materials for the Arboretum, CONSULTANT shall provide complete detailing and specifications for the design packages.
- Consultant shall assume up to 10 new trees may need irrigation valves and bubblers.
- This scope of work shall not include layout or design of the dog park area or other improvements that the City plans to locate north of Alma Street.
- This design submittal shall be reviewed by the City's User Group.
- Drawings and specifications shall be prepared to CONSULTANT standard format, layering and fonts; City's standard border shall be used if provided.
- City shall be responsible for developing the Division 0 contracting document associated with the project (contracting conditions, General Construction, Special Provisions, etc).
- Drawings shall be prepared in Autocad 2011.
- The City shall provide one consolidated set of review comments (paper and electronic copy) on the 65 percent submittal within 14 calendar days of submission. CONSULTANT may continue to work on the design during this interim period.
- The City shall provide an electronic copy of its current and standard specification Division 0 and 1 sections for CONSULTANT to edit for this project. CONSULTANT shall add Division 1 specification sections for this project.
- The contract documents shall be based upon a competitive, public works bidding process.
- The estimated construction schedule shall be prepared using Microsoft Project® software.
- The existing El Camino restroom and other facilities for demolition do not contain hazardous materials such as lead paint, asbestos, PCBs, PCB caulking, heavy metals, VOC or petroleum contaminated soil, contaminated groundwater etc. that needs to be tested, treated, or remediated as part of the field services, design, or construction of this project. If requested, these materials can be tested using Additional Services task.
- Traffic control plan, if required, shall be provided by the construction contractor.
- Materials used for building walls and roof will be similar to those used for the Lytton Pump Station.
- All buildings shall be ventilated by natural/passive means. Forced ventilation and air conditioned heating and cooling are not included.
- Restrooms will not have heated water.
- Parking lot drainage patterns will be consistent with existing drainage patterns (i.e., from west to east where it ponds until it evaporates).
- Design does not include extension or improvements to existing storm drains.
- Design will not improve existing sanitary sewer capacity or materials; no sewer connection capacity or other sewer connection calculations or documents are required.
- No traffic counts or modeling will be provided; the study will be based solely on historic counts and capacities provided by the City.

Deliverables:

- Five full size set drawings; one electronic copy of the drawings on USB drive or CD-ROM.
- Five sets of bound half-size drawings.
- Five sets of bound specifications; one electronic copy of the specifications on USB drive or CDROM.
- One paper and one electronic copy of response to City review comments.

90 Percent Design Submittal

The purpose of the 90 percent submittal is to demonstrate that all City comments from the 65 percent submittal have been appropriately addressed. This is to be essentially the complete draft of the bid plans and specifications.

Approach: This submittal package shall include:

- All drawings required for the construction documents.
- All specification sections, excluding those Division 0 contractual documents prepared by the City.
- List of specific questions for City review and response.

A User Group workshop shall be held in conjunction with the delivery of this submittal. It shall be facilitated by CONSULTANT and shall serve to present the construction documents to the reviewers.

The City shall review and provide consolidated written comments upon this submittal to CONSULTANT. These comments shall be provided in a Microsoft Word. CONSULTANT shall write responses to all City comments and incorporate these comments into the next design submittal.

An updated construction schedule and construction cost estimate shall be provided with the 90 percent submittal.

Assumptions:

- This submittal shall be reviewed by the City's User Group.
- The City shall provide one consolidated set of City review comments (paper and electronic copy) on the 90 percent submittal within 14 calendar days of submission. CONSULTANT shall continue to work on the design during this interim period.

Deliverables:

- Five full size set drawings; one electronic copy of the drawings on USB drive or CD-ROM
- Five sets of bound half-size drawings.
- Five sets of bound specifications; one electronic copy of the specifications on USB drive or CD-ROM.
- Agenda for one User Group workshop.
- One paper and one electronic copy of response to City review comments.

100 Percent Design Submittal

The purpose of the 100 percent submittal is to demonstrate that all City comments from the 90 percent submittal have been appropriately addressed, and that the documents are ready for City

Building Department Review. This is to be essentially the complete draft of the bid plans and specifications. The Building Department submittal shall be sealed by the responsible engineer/architect and signed by California PE or architect as appropriate.

Approach:

This submittal package shall include:

- All drawings required for the construction documents.
- All specification sections, excluding those Division 0 contractual documents prepared by the City.
- List of specific questions for City review and response.

A User Group workshop shall be held in conjunction with the delivery of this submittal. It shall be facilitated by CONSULTANT and shall serve to present the construction documents to the reviewers.

The City shall review and provide consolidated written comments upon this submittal to CONSULTANT. These comments will be provided in a Microsoft Word. CONSULTANT shall write responses to all City comments and incorporate these comments into the building permit submittal.

Assumptions:

- This submittal shall be reviewed by the City's User Group.
- The City shall provide one consolidated set of City review comments (paper and electronic copy) on the 90 percent submittal within 14 calendar days of submission. CONSULTANT shall continue to work on the design during this interim period.

Deliverables:

- Five full size set of drawings; one electronic copy of the drawings on USB drive or CD-ROM
- Five sets of bound half-size drawings.
- Five sets of bound specifications; one electronic copy of the specifications on USB drive or CD-ROM.
- Agenda for one User Group workshop.
- One paper and one electronic copy of response to City review comments.

Bid Set Submittal

This subtask includes the remaining work to complete the project construction documents.

Approach:

The Bid Set submittal shall be sealed by the responsible engineer/architect and signed by California PE or architect as appropriate, and shall comprise complete biddable construction document originals with all comments addressed from the 100 Percent design submittal.

Assumptions:

CONSULTANT shall print the construction documents for bidding and will retain ten sets for CONSULTANT's use during the bid period.

Deliverables:

Five full size set of drawings; one electronic copy of the drawings on USB drive or CD-ROM.

- Five sets of half-size drawings and specifications.
- Two electronic copies of the drawings and specifications on USB drive or CD-ROM.
- One paper and one electronic copy of the final construction cost estimate.
- One paper and one electronic copy of the final project construction schedule.

3. Pre-Construction

During the pre-construction (bid) period, the City will receive questions and general inquiries from general contractors, subcontractors, and vendors on specific aspects of the construction documents. These questions and inquiries often require written clarification to further communicate the project's requirements. Additionally, one pre-bid conferences and job walk shall be held to provide bidders with a formal opportunity to familiarize themselves with the project sites. The purpose of this task is to answer bid period questions and assist the City in conducting the pre-bid conferences and pre-bid site visits.

Approach:

CONSULTANT's pre-construction period services shall consist of the following work:

- Review and respond to bidder (general contractors, subcontractors, and vendors) questions as directed by the City.
- As required, prepare and distribute to the City for distribution by the City, addenda describing clarifications and revisions to the contract documents.
- Attend and assist at the pre-bid site visit.

Assumptions:

- The City shall distribute contract documents to potential bidders, maintain the bidders list, copy and distribute addenda, arrange and direct the pre-bid conference and job walk, and conduct the bid openings.
- One pre-bid conference which shall include a job walk.

Deliverables:

Original camera ready copy of addenda, as required.

4. Engineering Services During Construction

CONSULTANT shall work directly with the City and the Construction Manager during the construction phase of the project on an as-needed basis and as described below.

CONSULTANT's work shall not include construction management, resident engineering, startup, testing, construction inspection, special inspection services, or punchlist generation. CONSULTANT's contract shall not include subcontractors for special inspection services, geotechnical testing, materials testing, or arborist services.

Submittal Review

The purpose of this subtask is to provide the review of shop drawings, product data, and samples submitted by the contractor to the City.

Approach:

The Construction Manager (CM) shall transmit to CONSULTANT all technical submittals provided by the general contractor for CONSULTANT's review, comments, and recommendations as to how to respond to each submittal. In so doing, CONSULTANT shall select from the four review categories listed in the City's standard specifications: 1) No

Exceptions Taken; 2) Make Corrections Noted; 3) Revise & Resubmit; 4) Rejected. CONSULTANT shall maintain a log of submittals in a Microsoft Excel® spreadsheet for internal management and coordination with the Construction Manager.

Assumptions:

- The number of submittals and re-submittals shall be no more than 56.
- CONSULTANT shall write a summary memorandum of comments rather than annotate all copies of the submittal wherever possible. Only a very few submittals will require direct annotations (for example, some rebar placement drawings).
- CONSULTANT shall not be required to track submittal review labor hours or costs for individual submittals.
- The Construction Manager shall review schedule, progress payment, and contractual issue submittals from the general contractor. The general contractor shall not be allowed to submit multiple submittals for the same basic topic that unnecessarily increase the number of submittals (for example, guardrail embeds locations separately from the guardrails).

Submittal review shall determine if the items covered by the submittals will, after installation or incorporation in the work, conform to the requirements of the construction documents and be compatible with the design concept of the completed project as a functioning whole as indicated in the construction contract documents. Submittal review and approval shall not extend to means, methods, techniques, sequences or procedures of construction (except where a particular means, method, technique, sequence or procedure of construction is specifically and expressly called for by the construction contract documents) or to safety precautions or programs incident thereto.

Deliverables:

One copy of review comments for each submittal.

Site Visits and Meeting Attendance

Periodic site visits, meeting attendance, and telephone conference calls shall be required to complete intermittent technical review, specialty inspection, understand the progress of the construction, aid in resolution of requests for information and requests for clarifications, view architectural finishes, and to coordinate work with the Construction Manager. The deliverables listed below shall be prepared and submitted.

Approach:

- CONSULTANT shall make periodic site visits to observe the work and advise the Construction Manager if the work observed during the visit is being conducted so that the completed work of the construction contractor will in general conform to the design.
- CONSULTANT shall answer questions on the construction documents from City or Construction Manager.
- CONSULTANT shall attend progress meetings and attend special technical meetings with the Construction Manager and construction contractor, when requested and within the limits of the task budget.

Assumptions:

- Up to 20 person trips shall be required for weekly progress meetings and attend special technical meetings (assuming a 6 hour average trip).
- Meeting minutes for all meetings with be taken and prepared by others.

Except to the extent specifically identified elsewhere in the Agreement, CONSULTANT shall not during site visits during the construction phase, supervise, direct, of have control over any Contractor's work nor shall CONSULTANT have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected by Contractor, for safety precautions and procedures and programs incident to the work of the Contractor, or for any failure of Contractor to comply with laws, rules, regulations, ordinances, codes, or orders applicable to Contractor furnishing and performing their work.

Deliverables: None.

Clarifications Review

During the construction period, the general contractor will ask questions on details of the contract, substitutions, and alternative approaches. Change orders may be required to address unforeseen conditions and provide clarifications of the contract documents. The purpose of this subtask is to review general contractor questions and provide written clarifications for City review and use by the Construction Manager. The deliverables listed below shall be prepared and submitted by CONSULTANT.

Approach:

CONSULTANT shall interpret the contract documents, review unforeseen site conditions, and review alternative proposals by the construction contractor presented in Requests for Information (RFI's) or Requests for Clarifications (RFC's). Activities shall typically include receiving and logging the request (email, letter, fax, or telephoned questions), researching the question, preparation of a written response, and coordination with construction management staff.

Assumptions:

- The number of clarification requests shall be no more than 24.
- Clarification requests related to the general contractor's means and methods shall be returned with the comment that the general contractor is responsible for means and methods.
- The goal is to respond to clarification requests within 7 calendar days. Approximately 10 percent of the total, designated as high priority, shall be answered within 2 working days.
- Responses will typically be emailed to the Construction Manager.

Deliverables:

Memoranda or forms with responses to clarifications. These shall be emailed to the Construction Manager.

Change Order Preparation and Review

During the construction period, construction change orders may be required to address unforeseen conditions, new information, and resolve inconsistencies within the contract documents. The City may also wish to add work to this project for a variety of reasons. The Construction Manager will ask questions about the project and discuss issues with CONSULTANT. The purpose of this subtask is to provide support in construction issues, construction change orders and related activities.

Approach:

Design, write, and review change order documentation. Anticipated assignments may include: assistance in preparing requests to the general contractor for proposals for extra or changed work; assistance in research or contract documents to determine if work proposed by the general contractors for inclusion in a change order should be considered extra work for which a change order is appropriate; review of design calculations and intent; discussions with City staff; and review of cost estimates.

Assumptions:

- Construction change orders shall solely be to support the project scope of work at bid date.
- Change order documentation shall not be drawn in computer generated form if hand drawn sketches or markups shall adequately describe the work required.
- A total of 4 construction changes of varying size are assumed.

Deliverables:

- Emails and memoranda on contractor requests that work be considered "extra."
- Change order documentation drawings, sketches, specifications.
- Supporting documentation of reasons to accept, modify, or refuse to issue contractor requested change orders.

5. Reimbursable Expenses

The administrative, overhead, secretarial time or secretarial overtime, word processing, photocopying, in-house printing, insurance and other ordinary business expenses are included within the scope of payment for services and are not reimbursable expenses. The City shall reimburse the CONSULTANT for the following reimbursable expenses at cost not to exceed the total amount shown below. Examples of the Reimbursable Expenses for which CONSULTANT shall be reimbursed are any items were not included in the Contract and Amendment Nos. 1, 2 & 3:

- Outside service printing/copying of drawings and documents.
- Software purchase and licensure on behalf of the client.
- Postage, delivery and messenger service.
- · Photographic and digital imaging.
- Architectural renderings and scale models.
- Travel expenses
- Sub-consultant costs over and above those included in Basic Services.
 - Presentation boards.
 - Facilitation tools.
 - Workshop accessories.
 - Workshop facilitation materials

All requests for payment of expenses shall be accompanied by appropriate backup information.

6. Additional Services

Approach:

CONSULTANT shall provide the following additional services on an if- and as requested basis within the limits of the available budget:

- Testing for hazardous materials such as lead paint, asbestos, PCBs, PCB caulking, heavy metals, VOC or petroleum contaminated soil, contaminated groundwater etc. at the project sites or existing facilities.
- Potholing (non-destructive excavation) to determine location of underground utilities.
- Review of additional submittals, RFIs, attendance at additional meetings beyond the budget allocated above.
- Other project-related work that is not included above.
- Use of any portion of the additional services budget shall require written direction from the City's Project Manager prior to proceeding with any of the services noted below. The City may, at its sole discretion, decline to authorize any or all work described herein.

Exceptions to the El Camino Park Restoration Project Scope:

It is understood that the following are not included in the services scoped above:

- a. Design of City-power distribution (primary conduits) to the park transformer,
- b. Phase I Environmental Assessment, Phase II Subsurface Investigation, and asbestos and lead containing material investigation and report,
- c. Geotechnical investigation, report and monitoring,
- d. Environmental impact report or other CEQA-related updates,
- e. Potholing to determine location and/or elevation of underground utilities,
- f. Permit applications and fees,
- g. Construction management, inspection, supervision and scheduling, and
- h. Interpretive signage design

Compensation

Compensation for the additional services will be on a time and materials basis according to CONSULTANT's Billing Rate Schedule attached to the Agreement. The total cost for the services described herein is summarized below.

Amendment No. 3 Costs Breakdown

Tasks	Amount
Credit for Change Order No. 3 Predesign to Add Julia Morgan Building	-\$4,250
Credit for Change Order No. 3 Project Meetings to Add Julia Morgan Building	-\$4,250
Added Scope – Assistance with Public Meeting	\$10,500
Added Scope – North Soccer Field Lighting Design	\$26,000
Added Scope – Arboretum Design (offset w/credit from Alma St. X-Walk design)	\$0
Added Scope – 25 Full Size Drawings	\$3,000
Added Scope – Engineering Services During Construction for Field Lighting Elements	\$6,250

Added Scope - Engineering Services During Construction for Arboretum Elements	\$1,250
Reimbursable Expenses	\$5,000
Additional Services for unforeseen issues	\$4,350
TOTAL	\$47,850

Revised Total Contract Amount

Tasks	Amount
Original Contract Total w/ Contingency (CMR:424:09)	\$3,828,680
Amendment One (Staff Report ID #2979)	\$1,299,122
Amendment Two (Staff Report ID #3815)	\$1,173,000
Amendment Three	\$47,850
TOTAL	\$6,348,652

EXHIBIT B

SCHEDULE OF PERFORMANCE

Task Name	Duration	Start	Finish
El Camino Park Restoration	8 days	Wed 8/28/13	Mon 9/9/13
Project status meeting/Kickoff Phase 2	0 days	Wed 8/28/13	Wed 8/28/13
Authorization to proceed	0 days	Mon 9/9/13	Mon 9/9/13
Improvement plans and approvals	560 days	Mon 9/9/13	Fri 10/30/15
ARB submittal and approval	138 days	Mon 9/9/13	Thu 3/20/14
Prepare ARB plans and finishes per ARB checklist	25 days	Mon 9/9/13	Fri 10/11/13
Submit materials for ARB approval	0 days	Mon 10/14/13	Mon 10/14/13
Stanford approval submittal and review	39 days	Mon 10/14/13	Thu 12/5/13
Planning prepare EIR amendment	35 days		Fri 11/29/13
Revise/Resubmit Plans per DRC comments	1 day	Mon 12/2/13	Mon 12/2/13
ARB approval meeting (1st and 3rd Thurs)	0 days	Thu 12/19/13	Thu 12/19/13
ARB Sub-committee meeting	0 days	Thu 3/20/14	Thu 3/20/14
PIO approvals	270 days	Mon 9/9/13	Mon 9/22/14
Staff prepare PIO	10 days	Mon 9/9/13	Fri 9/20/13
Submit materials for Park Commission	0 days	Wed 1/15/14	Wed 1/15/14
Park Commission meeting (4th Tues)	0 days	Tue 1/21/14	Tue 1/21/14
Public meeting	1 day	Wed 2/19/14	Wed 2/19/14
Submit materials for Park Commission	0 days	Mon 3/17/14	Mon 3/17/14
Park Commission meeting (4th Tues)	0 days	Tue 3/25/14	Tue 3/25/14
Prepare staff report to Council for PIO & EIR amendment	33 days	Mon 3/3/14	Wed 4/16/14
City Council 1st reading of PIO & Amend CDM Contract	0 days	Mon 9/8/14	Mon 9/8/14
City Council 2nd reading of PIO	0 days	Mon 9/22/14	Mon 9/22/14
Construction Documents 65% submittal	118 days	Tue 11/5/13	Thu 4/17/14
Prepare 65% PS & E	85 days	Tue 11/5/13	Mon 3/3/14
65% submittal	0 days	Tue 3/4/14	Tue 3/4/14
City Review Most with City to playify comments	32 days	Wed 3/5/14 Thu 4/17/14	Thu 4/17/14
Meet with City to clarify comments	0 days	Thu 4/17/14	Thu 4/17/14
Construction Documents 90% Submittal Prepare 90% PS & E	55 days 42 days	Thu 4/17/14 Thu 4/17/14	Thu 7/3/14 Fri 6/13/14
90% Submittal	0 days	Fri 6/13/14	Fri 6/13/14
City Review	13 days	Mon 6/16/14	Wed 7/2/14
Meet with City to clarify comments	0 days	Thu 7/3/14	Thu 7/3/14
Construction Documents 100% Submittal	83 days	Mon 7/7/14	Wed 10/29/14
Prepare 100% PS & E	15 days	Mon 7/7/14	Fri 7/25/14
100% Submittal	0 days	Thu 7/31/14	Thu 7/31/14
City Review	13 days	Fri 8/1/14	Tue 8/19/14
Address comments & submit for Building Dept. Plan Check	21 days	Wed 8/20/14	Wed 9/17/14
Building Dept./C3/Parks/Agency Plan Check	30 days	Thu 9/18/14	Wed 10/29/14
Bid set submittal	27 days		Fri 10/24/14
Prepare bid set	22 days	Thu 9/18/14	Fri 10/17/14
Final agency approval	5 days	Mon 10/20/14	Fri 10/24/14
Bid Period	35 days		Mon 12/15/14
Release IFB	0 days		Mon 10/27/14
Bidding period	22 days	Mon 10/27/14	Tue 11/25/14
Council approval and Final award	0 days	Mon 12/15/14	Mon 12/15/14
Construction Manager (CM) RFP	80 days	Mon 8/25/14	Mon 12/15/14
Staff prepare RFP	35 days	Mon 8/25/14	Fri 10/10/14
Release RFP	0 days	Mon 10/13/14	Mon 10/13/14
RFP Due	21 days	Tue 10/14/14	Tue 11/11/14
Select CM	1 day	Mon 11/24/14	Mon 11/24/14
Council approval	0 days	Mon 12/15/14	Mon 12/15/14
Construction	215 days	Mon 1/5/15	Fri 10/30/15
NTP to contractor	0 days	Mon 1/5/15	Mon 1/5/15
Contractor prepares and submit NOI and WDID#	4 days	Tue 1/6/15	Fri 1/9/15
Construction	180 days	Mon 1/12/15	Fri 9/18/15
Rain day allowance	20 days	Mon 9/21/15	Fri 10/16/15
Substantial completion	0 days	Mon 10/19/15	Mon 10/19/15
Punch list items	10 days	Mon 10/19/15	Fri 10/30/15
Final completion	1 day	Fri 10/30/15	Fri 10/30/15

ATTACHMENT C COMPENSATION

The City agrees to compensate the Consultant for progress in the performance of professional services in accordance with the terms and conditions of this Agreement as modified by this Amendment. Such payments shall be calculated based on the hourly rate schedule attached as Exhibit C-1 up to the not to exceed budget amount for each task set forth below.

For Subconsultants, electronic document services, and photographic documentation services, the City agrees to make payment to the Consultant for services performed in accordance with the terms and conditions of this Agreement as modified by this Amendment, and as set forth in the budget schedule below. Payment shall be calculated based on the actual cost of the subconsultant, plus a fee of 10%, up to the not to exceed budget amount for each task set forth below.

The amounts to be paid to Consultant under the Contract and all Change Orders and Amendments thereto, including but not limited to this Amendment, for all services and reimbursable expenses shall not exceed six million three hundred forty-four thousand three hundred two dollars (\$6,344,302). In the event City authorizes any Additional Services, the maximum payment shall be increased by the amounts properly authorized, but in any event shall not exceed six million three hundred forty-eight thousand six hundred fifty-two dollars (\$6,348,652). Additional Services, if any, shall be authorized in accordance with and subject to the provisions of Exhibit "A" and Exhibit "C". CONSULTANT shall not receive any compensation for Additional Services performed without the prior written authorization of CITY. Additional Services shall mean any work that is determined by CITY to be necessary for the proper completion of the Project, but which is not included within the Scope of Services described in Exhibit "A".

The total cost for the services for Amendment No. 3 is summarized below.

Amendment No. 3 Costs Breakdown

Tasks	Amount
Credit for Change Order No. 3 Predesign to Add Julia Morgan Building	-\$4,250
Credit for Change Order No. 3 Project Meetings to Add Julia Morgan Building	-\$4,250
Added Scope – Assistance with Public Meeting	\$10,500
Added Scope – North Soccer Field Lighting Design	\$26,000
Added Scope – Arboretum Design (offset w/credit from Alma St. X-Walk design)	\$0
Added Scope – 25 Full Size Drawings	\$3,000
Added Scope – Engineering Services During Construction for Field Lighting Elements	\$6,250
Added Scope - Engineering Services During	\$1,250

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Construction for Arboretum Elements	
Reimbursable Expenses	\$5,000
Additional Services for unforeseen issues	\$4,350
TOTAL	\$47,850

ATTACHMENT C-1 HOURLY RATE SCHEDULE

CONFIDENTIAL BUSINESS INFORMATION CDM Smith Inc. Billing Rate Schedule – City of Palo Alto Effective April 1, 2014

PROFESSIONAL AND SUPPORT SERVICES	HOURLY RATES
Vice President/Senior Vice President (Grade 9 and 10) (Toyoda)	\$75.00 – 100.00
Principal, Associate & Engineer (Grade 7 & 8) (Brick, Warriner, Chen)	55.00 – 90.00
Senior Engineer/Technician (Grade 6) (Soohoo, Akela, Marandi)	50.00 - 80.00
Engineer/Technician (Grade 4 & 5)	38.00 - 71.00
Staff Engineer/Scientist (Grade 1, 2, & 3)	28.00 - 45.00
Draftsperson/Designer	22.00 - 54.00
Contract Administrator	28.00 - 55.00
Technical Editor	28.00 49.00
Secretary/Word Processor	22.00 42.00
Administrative Assistant	17.00 - 39.00
Technician/Clerk	17.00 27.00

Hourly rates will be multiplied by 2.95 for billing purposes. Costs in excess of 40 hrs. per week will be billed at straight time.

The above are based on regular rates current at the time of execution of this Agreement. If the regular rates of the employee are increased during the life of this Agreement, billing and payment will be at the increased regular rates for the applicable period of time. The ranges in this rate schedule will be revised annually, at an incremental rate not to exceed 4% per annum.

Other Direct Costs

Other reimbursable direct costs shall be billed at 1.05 times actual cost. These reimbursable costs include, but are not limited to:

Travel: Air Fare, Auto Rental, Local Mileage (using current IRS limit)

Subsistence: Lodging and Meals

Communications: Conference call phone charges, and express package delivery and courier Services, cell phones for full-time field staff.

Materials, including internal printing at \$0.65/sheet color, \$0.10/sheet B&W; Outside Printing Services at invoiced cost plus 5%.

Equipment Rental

<u>Subcontractor Services</u>
Subcontractor services shall be billed at 1.1 times actual costs to cover the costs of general administrative services and handling.

ORDINANCE NO. XXXX

ORDINANCE OF THE COUNCIL OF THE CITY OF PALO ALTO AMENDING THE BUDGET FOR FISCAL YEAR 2015 IN THE CAPITAL IMPROVEMENT FUND, REDUCING THE EL CAMINO PARK PLAYING FIELDS AND AMENITIES PROJECT (PG-13002) BY \$3,198,792, AND INCREASING THE EL CAMINO PARK EXPANDED PARKING LOT AND NEW RESTROOM PROJECT (PE-13016) BY \$3,198,792 WITH NO NET IMPACT TO THE FUND. THE EL CAMINO PARK EXPANDED PARKING LOT AND NEW RESTROOM PROJECT (PE-13016) WILL BE RETITLED EL CAMINO RESTORATION PROJECT TO REFLECT THE WORK BEING DONE WITH THE FUNDING.

The Council of the City of Palo Alto does ordain as follows:

SECTION 1. The Council of the City of Palo Alto finds and determines as follows:

- A. Pursuant to the provisions of Section 12 of Article III of the Charter of the City of Palo Alto, the Council on June 16, 2014 did adopt a budget for Fiscal Year 2015; and
- B. Since June 2010; City staff and the Parks and Recreation Commission have engaged in discussions about park improvements at El Camino Park that would coincide with the construction of the Utilities Department's El Camino Park Emergency Water Reservoir project. In order to allow for the project to be completed, El Camino Park needed to be deconstructed, with the Water Fund being responsible for returning the park to its original condition; and
- C. The Utilities and Community Services Departments have been working on the conceptual design of the restored park and playing fields since August 2010; and
- D. The Park and Recreation Commission has been closely involved with design of the park, including twelve public meetings between June 2010 and April 2012 to receive input from the public, field users, neighbors and other stakeholders on the design of fields, parking, a dog exercise area and other amenities of the park; and
- E. On April 23, 2012, the City Council approved the revised design of El Camino Park and authorized the allocation of \$2,275,796 of Park Development Impact fees to fund the

components of the project that were beyond the cost of restoring the park to its original condition; and

- F. Subsequent to the appropriation of Park Development Impact Fees, several delays were experienced, as outlined to the City Council in August 2013.
- G. In December 2013, at a joint Parks and Recreation Commission (PRC) and City Council meeting, the City Council directed staff to investigate the community support and budgetary impacts of additional lighting for the north athletic field; and
- H. Therefore, at the January 21, 2014 PRC meeting, staff presented a draft lighting plan for the synthetic turf field and on February 19, 2014, staff held a community meeting to discuss the lighting plan for the synthetic turf field. The meeting participants included field users and representatives from the 101 Alma condominiums. The participants agreed that the proposed lighting plan is appropriate for the site. Staff answered questions and verified that the field lights would be on no later than 10 p.m. controlled by an automated lighting system that staff can program remotely.
- SECTION 2. The net sum of Three Million, One Hundred Ninety Eight Thousand, Seven Hundred and Ninety Two Dollars is hereby reduced from the El Camino Park Playing Fields and Amenities project (PG-13002) and added to the El Camino Park Expanded Parking Lot and New Restroom project (PE-13016). The El Camino Park Expanded Parking Lot and New Restroom project PE-13016) is hereby retitled to El Camino Park Restoration Project Phase II to more accurately reflect the work to be completed with the funding.
- SECTION 4. As provided in Section 2.04.330 of the Palo Alto Municipal Code, this ordinance shall become effective upon adoption.
- SECTION 5. The Utilities Department's El Camino Park Reservoir Project was subject to environmental review under provisions of the California Environmental Quality Act (CEQA). A Draft Environmental Impact Report for this project was prepared and circulated on November 8, 2006, and a Final Environmental Impact Report for this project was prepared and circulated on February 8, 2007. Council certified the adequacy of the Final EIR in March 2007. An addendum to the EIR has been prepared to incorporate any additional park improvements described in this report that present potential

new and/or significant environmental impacts not contemplated by the original ${\tt EIR.}$

INTRODUCED AND PASSED: AYES: NOES:	
ABSTENTIONS: ABSENT: ATTEST:	APPROVED:
City Clerk	Mayor
APPROVED AS TO FORM:	
	City Manager
City Attorney	Director of Public Works
	Director of Administrative Services

ATTACHMENT D EL CAMINO PARK CHRONOLOGY

2010

- June 22 PRC- Utilities Department project managers presented to the Commission an update on the El Camino Park Reservoir Project. <u>Meeting</u> <u>outcome</u>: The Commission agreed with staff this was an opportunity to improve the park and significantly expand recreational and sports opportunities in the north part of Palo Alto (as recommended in the 2002 Field Report)
- June 29 PRC special meeting at park- Staff, Commissioners and members of the public brain-stormed ideas for possible improvements for the park. Meeting outcome: These ideas included synthetic turf fields, new public bathroom, improved pathways and many other creative suggestions such as an outdoor volleyball court or a BMX bike track.
- July 27 PRC- The Commission made a motion to ask staff to submit its list
 of improvement ideas to Siegfried Engineering Inc., the landscape
 architect firm designing the Project, to evaluate feasibility and possible
 design and construction costs.
- September 28 PRC- Many of the Commission's suggested park improvements were included in the draft park project design. Meeting outcome: The Commission offered additional feedback on the draft design. The Commission sent a memo to the City Council recommending that Council find a way to fund park improvements at El Camino Park as opposed to simply rebuilding the park as it was prior to the reservoir project.
- October 26 PRC- Siegfried presented the Commission with an update on the conceptual design of the Project. The Commission provided additional input on the design.

2011

 January 25 PRC- Siegfried presented the Commission with five refined design options with varying pathway, parking, amenity and field configurations for their consideration. <u>Meeting outcome</u>: The Commission asked to see a combination of three of the refined designs, and highlighted the importance of expanding public parking to

- accommodate the anticipated significant expansion of field and park use generated by the redesign of the park.
- February 22 PRC- Staff presented a conceptual design incorporating the Commission's feedback, and presented two options for the use of impact fee to fund the improvements (discussed in detail below)
- May 2 Council Meeting- Council approves use \$1.36 million of Park Development Impact Fees for El Camino Park.
- June 13 Council Meeting- Staff presented the Council with a recommendation for using impact fees to fund improvements at El Camino Park (CMR 1746; Attachment C). Meeting outcome: The Council approved the motion 8-1 (Price opposed) of using \$1,420,500 of impact fees for the Commission and staff's recommendation of improvements at El Camino Park with six amendments. The Council instructed staff to:
 - o Pursue connectivity at the north (across Alma Street to the pathway) and south end of the park (past the train station) for pedestrians and bicycles. (See the bike/pedestrian page on Attachment A)
 - o Return to the Parks and Recreation Commission for final design approval. (The Commission reviewed and approved the final design recommendation on September 27, 2011.)
 - o Incorporate bike racks into the final design. (Fifteen bike racks have been added to the design- each rack supports two bikes)
 - o Return within 90 days with an alternative to the current PF zoning that would be more restrictive or restricted to recreational uses so as to create a disincentive for other uses in the future. (Staff has confirmed that the PF zoning is the most restrictive zoning available for this property.)
 - o Incorporate into the final design some type of dog exercise area and provide more details on public parking to ensure that there will be no overflow parking into the adjoining neighborhood. (A dog park and additional parking are included in the recommended design; however, staff proposes deferring the final design and construction of the dog exercise area portion until impact fee funds have replenished and an environmental assessment is completed to address Stanford University's environmental concerns.)

- o Pursue an extended term lease with Stanford University for El Camino Park beyond the current June 2033 expiration date. (City staff is in discussion with Stanford University regarding a possible nine year extension for the lease for El Camino Park to 2042.)
- June 21 PRC- Staff returned to the Commission to discuss the options for dog exercise area locations as directed by Council on June 13, 2011. Staff presented the Commission with five options for possible dog exercise area locations for their consideration. Meeting outcome: The Commission voted 3:2 to recommend installing a dog exercise area in the north side of the El Camino Park between Palo Alto Avenue/Alma Street and San Francisquito Creek in an unimproved section of El Camino Park. One of the dissenting Commissioners favored a dog park at the south end of the park; the other dissenting Commissioner preferred creating a shared ball field and dog exercise area rather than a new area in the north part of the park.
- July 26 PRC- Staff returned to the Commission to discuss the options for additional parking as directed by the Council on June 13, 2011. Staff presented five options for their consideration. Meeting outcome: The Commission concurred with staff and chose to recommend Option E, which added an additional 29 parking spaces (for a total of 71 spaces). During the review the Commission highlighted the need to include improvements for a convenient passenger loading/unloading area into the parking lot design. (After adding the loading and unloading area to the final parking lot design, there are an additional 26 parking spaces, for a total of 68 spaces.)
- August 1 Council Meeting- Council approves the El Camino Park Phase 1 Reservoir construction contract.
- September 27 PRC- Staff returned to the Commission to seek their recommendation to the Council for the final design (as directed by the Council on June 13, 2011). Meeting outcome: The Commission stated that they support the revised design; however, they felt funding for the dog exercise area (\$207,000 plus contingency) and the expanded parking lot (\$450,000 plus contingency) should come from some source other than Park Development Impact fees. The Commission agreed that expanding the parking lot at El Camino Park is critically important. They also noted that the dog exercise area is a nice, but non-essential feature at this time.

October 19 - Park Closes / reservoir project starts

2012

- March 5 Council Meeting Council authorized preliminary design review of the 27 University project, including potential relocation of the Julia Morgan Hostess House.
- April PRC- End public /commission meetings (11 total) on park design concepts.
- April 23 Council Meeting Council reviewed and approved design of El Camino Park. Meeting outcome: Council authorized the allocation of \$2,275,796 of Park Development Impact fees to fund the components of the project that were beyond the Utilities budget for simply restoring the park as-is (Staff report #2411). Staff estimated time for completion of the project:
 - September 2011 Begin Phase 1 Construction (reservoir, pump station, etc.)
 - o June 2012 Architectural Review Board Review Phase 2 Park improvements
 - o January 2013 Complete Phase 1 (reservoir, pump station, etc.)
 - o February-March 2013 Begin Phase 2 (park improvement construction)
 - March 2014 Complete Phase 2 (park re-opens to the public)
- May- Staff begins study of incorporation of Julian Morgan Hostess House.
- May 3- ARB reviewed the design
- May 22 PRC- PRC discussed possible relocation ideas for the Julia Morgan building, currently located at 27 University Ave, Palo Alto. Meeting outcome: The Commission agreed that the Julia Morgan building should not be moved to El Camino Park, and formed an Ad Hoc Committee to discuss appropriate locations.
- **September 10 Council Meeting-** Council approval of El Camino Park/Mayfield Pump Station Consultant Amendment #1 with CDM for park design services and Hostess House study.
- September 24 Council Meeting -The 27 University Project is discussed at Council, and the El Camino Park Design goes through modifications to

- allow for the possibility for the Julia Morgan Building located at 27 University to move into the Park September 24
- October 23 PRC- Commissioner Markevitch handed out a draft matrix of 7 possible options for relocating the Julia Morgan building. Meeting outcome: Because Council planned to discuss the 27 University Ave project in November prior to the Commission discussing this matter further a representative from the PRC commission will be at the meeting if questions are asked by the Council. Staff de Geus noted that the City Manager's Office and Planning staff are strongly leaning towards El Camino Park has the preferred option.
- November 27 PRC- Presentation on 27 University project and discussion on park and recreation related impacts and the possible relocation of the Julia Morgan building. <u>Meeting Outcome</u>: Consultant Bruce Guchi, City staff Amy French, and Deputy City Manager, Steve Emslie presented the proposed design of the 27 University project and the concerns affecting El Camino Park, moving the JP Morgan Building, and the impact on Palo Alto.
- November- Estimated completion date of El Camino Reservoir

2013

- January- Anticipated completion of the reservoir project
- March- Anticipated start date for park improvements (based on the park concept approval in April 2012)
- March 26 PRC- the Commission reviewed and commented on El Camino Park re-design. Meeting Outcome: The design had to be modified from the original approved by Council and Commission design for two reasons:1. By Council direction the Commission was to find an area for a possible dog park. The area that was selected went through environmental review and found that the set-back requirement could not be met and the area by El Palo Alto under consideration was not viable. 2. Consideration of the potential 27 University project required study of the possibility of moving the Julia Morgan Building (hostess house) inside El Camino Park. Design consultants (Siegfried) presented the modified designs to the Commission. The Commission provided their comments and questions.

- April 8 Council Meeting- Council approval of El Camino Park/Mayfield Pump Station Consultant Amendment #2 with CDM for park design services
- April 23 PRC- PRC meeting El Camino Park Ad hoc Committee recommendation to Council regarding potential design changes to El Camino Park. Meeting Outcome: The ad hoc Committee presented their recommendation to move forward with El Camino Park now without waiting for the outcome the potential 27 University project. Accordingly, there are two options: 1) to go forward with the previously approved design and not design a land bank for the possible relocation of the building. In this case the committee's recommendation is that there is insufficient space for a dog park. or 2) if council votes to land bank for the possible building relocation, other park features have to be removed to have any open space in the park at all.
- May- Staff completes study of incorporation of Julian Morgan Hostess House.
- May 28 PRC- PRC concluded Julia Morgan building is not compatible with conceptual park design
- June 24 Council Meeting- El Camino Park Design update and staff requesting direction from Council to consider Dog Park and the Julia Morgan Building options
- August 12 Staff was permitted to complete the park design precluding the Julia Morgan Building (due to uncertainty about where the building might be moved), the dog off-leash area (due to set back requirements from the Creek), and the Alma pedestrian crossing (deemed unsafe after consultants review)
- August- Staff begins 35% design
- October 22 PRC- PRC meeting Ad Hoc Committee discussed the status of El Camino Park and requested that it be discussed at the joint PRC and Council meeting in December.
- **December 2 Joint PRC and Council meeting-** Staff was directed to proceed with the design and outreach necessary to add the lighting fixtures to the synthetic turf field.
- **December 19-** The Architectural Review Board approved the project with the details of the new lighting, photometric plan and interpretive signage to be returned to subcommittee for approval after community outreach.

2014

- **January 31-** Revised Construction Completion Date Reservoir project Ends.
- January 21 PRC- PRC meeting for lighting north field.
- **February 19-** Public outreach to the community regarding park improvements, addition of north field lighting and artificial turf at El Camino Park.
- March 25 PRC Commission meetings to review and recommend Council to approve PIO and review of lighting concepts and design. Meeting outcome: Staff shared this revised project timeline:
 Council 1st reading of PIO and approval of amended CDM Contract 4/21/2014
 - Council 2nd reading of PIO 5/5/2014
 - o Submittal of 100% Construction Plans June 2014
 - o Bid opening October 2014
 - o Council approval of construction & CM contracts October 2014
 - o Project completed Fall/2015
- March- Staff receives 65% design documents.
- April 17- Architectural Review Board Review subcommittee reviewed and approved project lighting and pavers sample
- **December through April-** Staff studies addition of lighting to the north field and completes community outreach/approvals.
- May 6- Palo Alto Bicycle Advisory Committee reviewed and provided comments to improve the Class I bike/pedestrian pathway.
- May- Anticipated PIO and addendum to the EIR approval.
- May 22- Revised Completion Date Phase one Reservoir's Notice of Completion filed with County.
- June- Staff receives 90% design documents.
- August- Anticipated start date of park improvements (based on direction of dog park and Hostess House in August 2013)
- May through September- Staff studies natural rubber product considered for artificial turf requested by Planning and completes the environmental study/addendum to the EIR necessary for the PIO
- September- Staff receives 100% design documents
- September- Staff submits plans to Building Department for permits



CEQA Addendum for the City of Palo Alto Emergency Water Supply and Storage Project

Date: September 30, 2014

Project Name: City of Palo Alto Emergency Water Supply and Storage Project

SCH # 2006022038 (typo on EIR reads as 2066022038)

Project Location: 100-103 El Camino Real, City of Palo Alto

Applicant: City of Palo Alto, Public Works Engineering

Contact: Elizabeth Ames, Project Engineer

Owner: City of Palo Alto

250 Hamilton Avenue Palo Alto, CA 94301

In 2007, the City certified an Environmental Impact Report (EIR) for the Palo Alto Emergency Water Supply and Storage Project. One of the components of this larger project was the site selection and construction of a new emergency water storage facility for 2.5 million gallons (MG) of water. The selected site for this facility was El Camino Park and, after fully developing the improvement plans, additional project details that were not known in 2007 have been identified for this piece of the project.

This memo serves as an Addendum to the adopted (March 5, 2007) EIR and has been prepared to address proposed modifications of the site improvements of El Camino Park. The project changes would not result in new or more severe significant impacts per CEQA Guidelines Section 15162(a)(1); there have been no changes in circumstances (15162(a)(2)); and there is no new information of substantial importance that would change the conclusions of the original analysis (15162(a)(3)). Pursuant to Section 15162, the proposed modifications are considered minor and have been determined to not create any additional impacts beyond those previously identified in the 2007 EIR.

2007 EIR PROJECT DESCRIPTION

The 2007 EIR described the Water Supply and Storage Project in detail, including its many component parts (see Chapter 2 of the EIR.) The EIR summarized this description as follows:

The City of Palo Alto relies on the San Francisco Public Utilities Commission (SFPUC) Hetch Hetchy system for its water supply. According to the California Department of Health Services (DHS), the City does not have enough water to meet normal and emergency demands in the event of a temporary shutdown of the SFPUC aqueducts. The DHS recommendations for an emergency water supply are three-fold: (1) a stand-alone system; (2) that could supply eight hours of maximum day water demand; (3) while maintaining firefighting reserves.

The City owns five groundwater wells, which are available for limited use during a drought or emergency. The proposed Emergency Water Supply and Storage Project is intended to correct the deficiency in the City's emergency water supply. The proposed project would support a minimum of eight hours of normal water use at the maximum day demand level and four hours of fire suppression at the design fire duration level, and would be capable of providing water supplies for up to 30 days. The proposed groundwater system may also be used to a limited extent for water supply during drought conditions (up to 1,500 acre feet), and potentially for up to an average day supply during extended shutdowns of the SFPUC system. The proposed project would provide 11,000 gallons per minute (gpm) of reliable well capacity and 2.5 million gallons (MG) of water storage for emergency use by accomplishing the following:

- 1. Rehabilitation of the existing five City wells: Hale well, Rinconada Park well, Fernando well, Peers Park well, and the Matadero well.
- 2. Construction of up to three new wells (two located at sites listed below and one located proximate to the selected new reservoir site as listed in the following #3):
 - Eleanor Pardee Park northeast area of the park away from the demonstration gardens
 - Main Library/Community Gardens northwest corner of the community gardens
 - Heritage Park Waverly Street to the north, Bryant Street to the south, Homer Street to the west, and Channing Street to the east
 - Middlefield site south side of Middlefield Avenue at a vacant lot between Lincoln and Kingsley Streets
 - Downtown Parking Lots exact location not yet determined
 - California Avenue Parking Lots exact location not yet determined

Construction of a new 2.5 MG storage reservoir, associated pump station and new well at El Camino Park – between El Camino Real and Alma Street.

3. Upgrade the existing Mayfield Pump Station.

EL CAMINO PARK: RESTORATION OF PARK IMPROVEMENTS

As currently defined, the El Camino Park reservoir site development will be generally consistent with the 2007 EIR project description, which states that El Camino Park will be restored to conditions similar to existing conditions. Project details are summarized below, and have been the subject of review by the City's Architectural Review Board (ARB):

South Field (see Sheet ARB 5.0 of Attachment A):

- 1. Installation of a natural turf softball field above the new water reservoir;
- 2. Installation of permanent eight foot tall chain-link fencing along the perimeter of the left and right outfields;
- 3. Installation of two dugouts and softball backstop;
- 4. Installation of a removable four foot tall mesh fence system in the outfield;
- 5. Relocation of the existing aluminum portable bleachers;
- 6. Installation of two new 70 foot tall pole-mounted sport field lights and replacement of fixture heads on the existing six light poles;
- 7. Construction of the scorekeeper and storage building behind the backstop.

North Field (see Sheet ARB 5.1 of Attachment A):

- 1. Installation of a synthetic turf field striped for soccer and lacrosse games;
- 2. Installation of player seating on both sides of the mid-field;
- 3. Installation of soccer ball protection fencing around the majority of the field perimeter (14 foot tall chain-link fence with 12 feet of additional netting);
- 4. Installation of four 70 foot tall pole-mounted sports field lights;
- 5. Installation of a multi-purpose lawn area at the north end of the park; and
- 6. Addition of three new picnic areas with tables around the multi-purpose lawn.

General Improvements:

- 1. Expansion of the asphalt parking lot from 46 spaces to 68 spaces;
- 2. Construction of replacement restrooms;
- 3. Installation of a 'no parking loading/unloading' zone next to the new restroom facility;
- 4. Installation of porous pavement for a portion of the parking lot to facilitate water infiltration to the nearby existing trees;
- 5. Construction of a new trash enclosure;
- 6. Installation of two 42 inch tall fold-down bollards to secure the maintenance vehicle route;
- 7. Relocation of the emergency phone close to the new restroom building;
- 8. Installation of decomposed granite pathways around the entire park;
- 9. Installation of security lighting throughout the park with 14 foot tall pole-mounted lights;
- 10. Installation of nine bike racks (three near the restroom and six by the soccer field);

11. Installation of new landscaping throughout the park that includes trees of various sizes, shrubs, grasses, vines, and ground cover.

The new structures (restroom, scorekeeper & storage, trash enclosure) have been designed in a style that is consistent with the already constructed pump station building. Similar materials and colors have been selected for the new structures so as to maintain a complementary and cohesive style for the park. The basic materials proposed are concrete block (CMU) with the color to match the pump station and a dark grey standing-seam metal roof.

The project includes upgrades to the field lighting with fixture replacements on the existing poles and added field light poles (as described above). Providing no other sources of light are on in the project vicinity, the light spill-over from the nighttime use of both play areas is anticipated to be up to one foot-candle of light on El Camino Real and a portion of the parking lot at the Stanford Shopping Center, as well as portions of Alma Street and adjacent sidewalk. However, due to the existing nighttime lighting conditions along El Camino Real, Alma Street, and the mall parking lot, with street and parking lot lights and vehicle lights, it is anticipated that the spillover lighting from the project would not be perceived; the multiple existing sources of light would negate the light generated by the project.

The one aspect of the project that is different than originally analyzed is the proposal to restore the north playing field by using synthetic, rather than natural turf. Specifically, the project now proposes to replace the natural turf with synthetic turf for a new soccer and lacrosse field (360' x 215'). For all intents and purposes, the synthetic turf field aesthetically and functionally would perform the same as a natural turf field. However City staff considered whether users of the synthetic turf field could be exposed to potentially hazardous materials, and whether runoff from the field could potentially impact water quality.

The use of synthetic turf, when it has been in-filled with recycled rubber from tires, has been recognized as being potentially hazardous to people when there is continuous exposure¹. This is because recycled tires accumulate lead and other toxic materials, which can in turn be absorbed by users of the field. For the proposed project, recycled tire products will not be used and only virgin material will be utilized. With this approach, the potential health concerns associated with the use of recycled tires would be eliminated. To further ensure the project does not have any health and safety impacts, performance measures will be implemented for the selection and installation of synthetic turf. The standards listed below have been researched and compiled by Dudek, a professional environmental consulting firm, hired by the City to review the environmental concerns of

¹ Sierra Club Yodeler. "Sierra Club Sues City to Stop Beach Chalet Soccer Fields Project." *theyodeler.org*. Sierra Club. 7 Feb. 2013. Web.17 Mar. 2014. http://theyodeler.org/?p=6704.

using synthetic turf of this project. Only turf products that meet the acceptable safety standards discussed below will be used for the project.

- Product samples will be analyzed for constituents that could potentially be used in their manufacture that commonly impact water quality/human health. Metals, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs) would be the most likely constituents to impact water quality and/or human health through leaching or direct contact with the synthetic turf. Thus, to evaluate potential impacts to human health from direct contact, the turf sample results will be compared to EPA Regional Screening Levels and Cal-EPA California Human Health Screening Levels, which test for these constituents.
- 2. To evaluate potential impacts to groundwater, concentrations that could leach from the turf material will be compared to the maximum contaminant levels (MCLs). The MCL is established by the U.S. Environmental Protection Agency (EPA) and lists the maximum concentration of a chemical that is allowed in public drinking water systems. The same criteria are used to evaluate groundwater quality.
- 3. An estimation of the potential concentration that could leach from the turf will be obtained by analyzing an extract of the sample obtained using the synthetic precipitation leaching procedure (SPLP). The SPLP extraction simulates leaching that could occur when the product material is exposed to rainfall. Therefore, the SPLP extraction best evaluates leaching during normal use.
- 4. To evaluate potential impacts to stormwater, and thus to surrounding surface water, concentrations that could leach from the turf will be compared to the RWQCB Environmental Screening Levels for fresh water habitats. Again, for this screening, an estimate of the concentration that could leach from the turf will be obtained using SPLP extract analysis.

FINDINGS

The project refinements as described above for the site improvements to El Camino Park would not result in new significant environmental impacts beyond those already identified in the 2007 EIR, and would not increase the severity of any significant impact previously identified. The site improvements are consistent with typical park improvement activities, and mitigation measures identified in the 2007 EIR would remain in effect, and would be implemented pursuant to the adopted mitigation monitoring plan.

It is the finding of the Planning Division that the previous environmental document as herein amended may be used to fulfill the environmental review requirements of the current project. Because the current project meets the conditions for the application of State CEQA Guidelines Section 15164, preparation of a new EIR or Negative Declaration is not required for the issue areas discussed above.

In accordance with CEQA Guidelines 15164(c), "an Addendum need not be circulated for public review but can be included in or attached to the final EIR or adopted Negative Declaration." This Addendum shall become public record as an attachment to the adopted 2007 EIR. Pursuant to CEQA Guidelines Section 15162 Recirculation is not required as the project changes do not create new significant environmental impacts or a substantial increase in the severity of previously identified effects as further detailed in the attached project plans and lighting analysis.

Prepared By:	/Clare Campbell/	09/30/2014
	Clare Campbell, Senior Planner	Date

ATTACHMENTS

- A. Plans Titled "El Camino Park Restoration Project Phase 2," received December 10, 2013
- B. Field Lighting Photometrics, January 14, 2014, prepared by Siegfried
- C. Artificial Turf Analytical Results El Camino Parks Athletic Fields Memo, September 16, 2014, prepared by Dudek

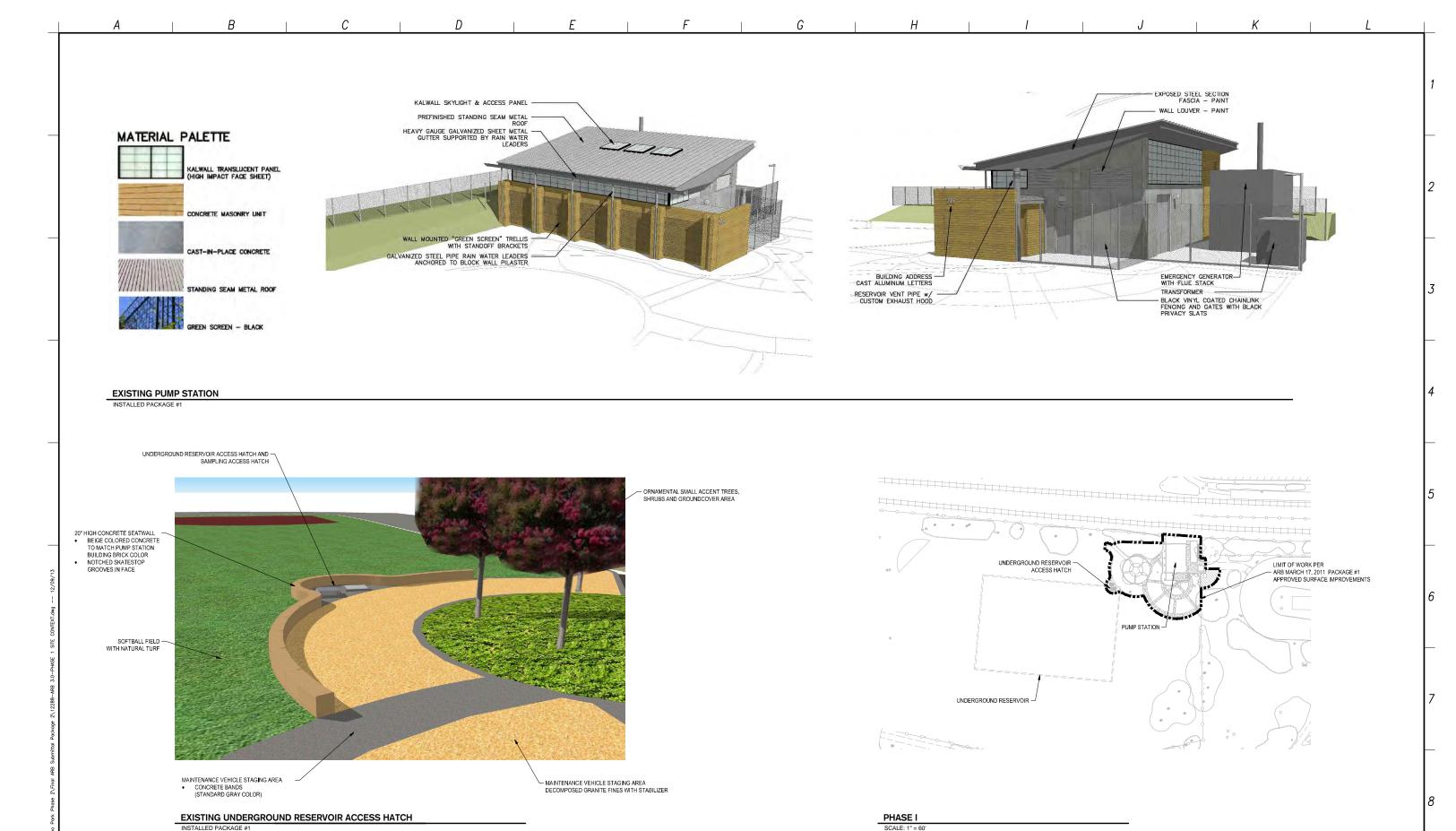
CITY OF PALO ALTO UTILITIES DEPARTMENT **EL CAMINO PARK RESTORATION PROJECT** PHASE 2 CITY PROJECT NUMBERS PE-13016 & PG-13002 PROJECT CONTACTS INDEX OF SHEETS CIVIL ENGINEER LANDSCAPE ARCHITECT SIEGFRIED ENGINEERING SIEGERIED ENGINEERING CITY OF PALO ALTO ARB 1.0 COVER SHEET ARB 8.1 SITE AMENITIES & MATERIALS 250 HAMILTON AVENUE PALO ALTO, CA 94301 3244 BROOKSIDE RD, SUITE 100 STOCKTON, CA 95219 3244 BROOKSIDE RD. SUITE 100 VICINITY MAP & SITE CONTEXT STOCKTON, CA 95219 CONTACT: ROBERT NORBUTAS CONTACT: ARB 3.0 PHASE 1 SITE CONTEXT PHOTOMETRICS PLAN ELIZABETH AMES PHONE: (650) 329-2299 PAUL SCHNEIDER PHONE: (209) 943-2021 **EXISTING CONDITIONS - SOUTH** PHONE: (209) 943-2021 FAX: (209) 942-0214 FAX: (209) 942-0214 FAX: (650) 321-2136 **EXISTING CONDITIONS - NORTH** ARB 4.1 SPECIAL TREE PROTECTION INSTRUCTION SHEET ARB 5.0 SITE PLAN-SOFTBALL FIELD & PARKING LOT TREE PROTECTION AND MODIFICATION PLAN - SOUTH ARB 12.1 GRADING, DRAINAGE, & UTILITY PLAN - SOCCER FIELD ARB 12.2 TREE PALETTE PROJECT_ SHRUB PALETTE PAVING PLAN SOFTBALL PARKING ARB 7.0 PAVING PLAN SOCCER FIELD ARB 13.0 RESTROOM PLANS SITE CROSS SECTIONS & DETAILS SCORE KEEPERS BOOTH & STORAGE SHED PLAN SIEGFRIED El Camino Park Restoration Project City of Palo Alto Phase 2 SHEET NO. City Project Numbers F THIS BAR DOE ■ CIVIL ENGINEERING ■ SURVEYING CROSS CHK'D BY:__ **ARB 1.0** PE-13016 & PG-13002 **COVER SHEET** PALO ■ STRUCTURAL ENGINEERING ■ ARCHITECTURE PPROVED BY:_

LANDSCAPE ARCHITECTURE = PLANNING

ALTO

APN 121-31-009





ESIGNED BY SHEET CHK'D BY:_ CROSS CHK'D BY:___ PPROVED BY:_ REV. DATE DRWN CHKD REMARKS

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■ LANDSCAPE ARCHITECTURE ■ PLANNING







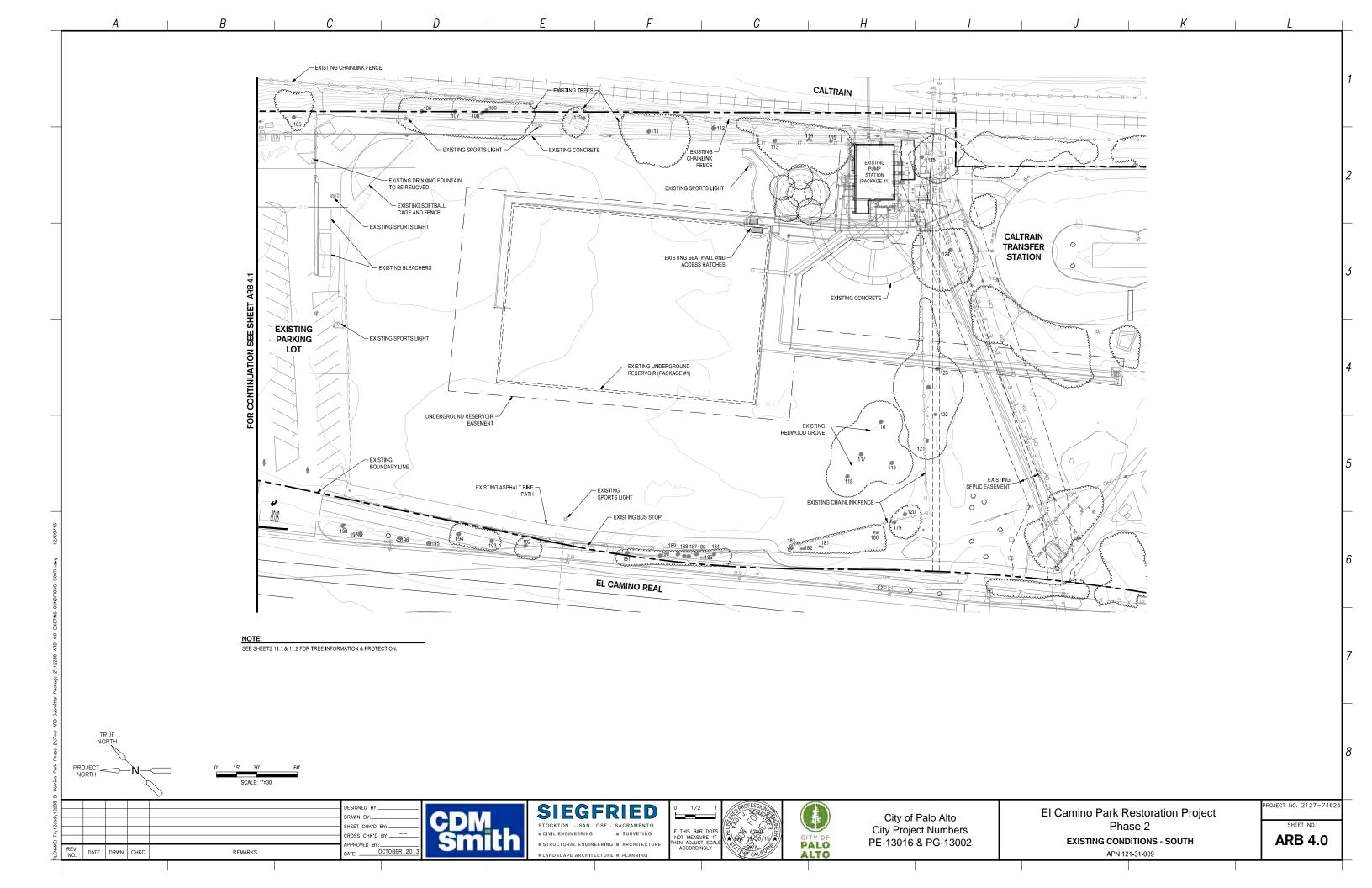
City of Palo Alto City Project Numbers PE-13016 & PG-13002

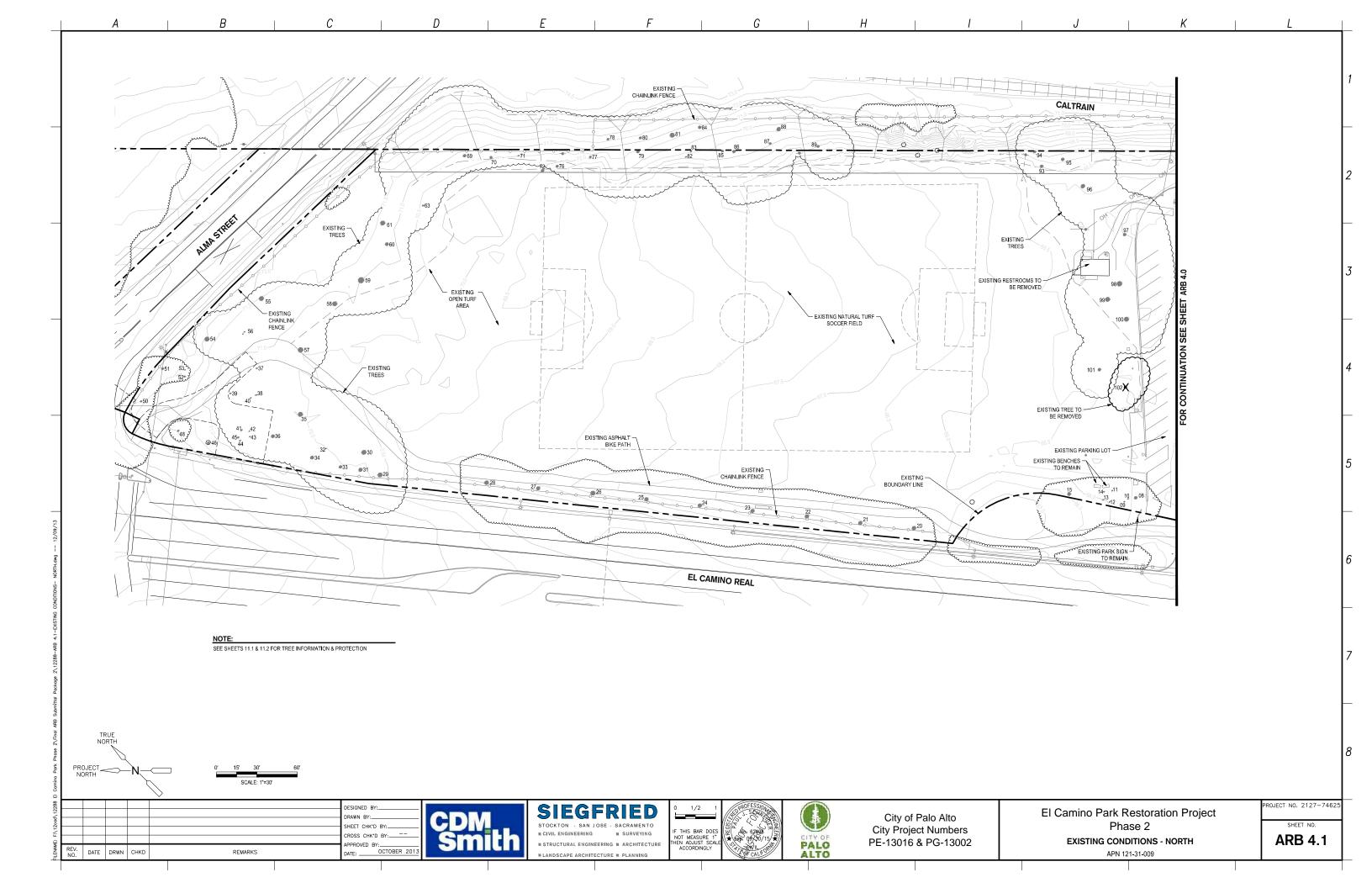
El Camino Park Restoration Project Phase 2

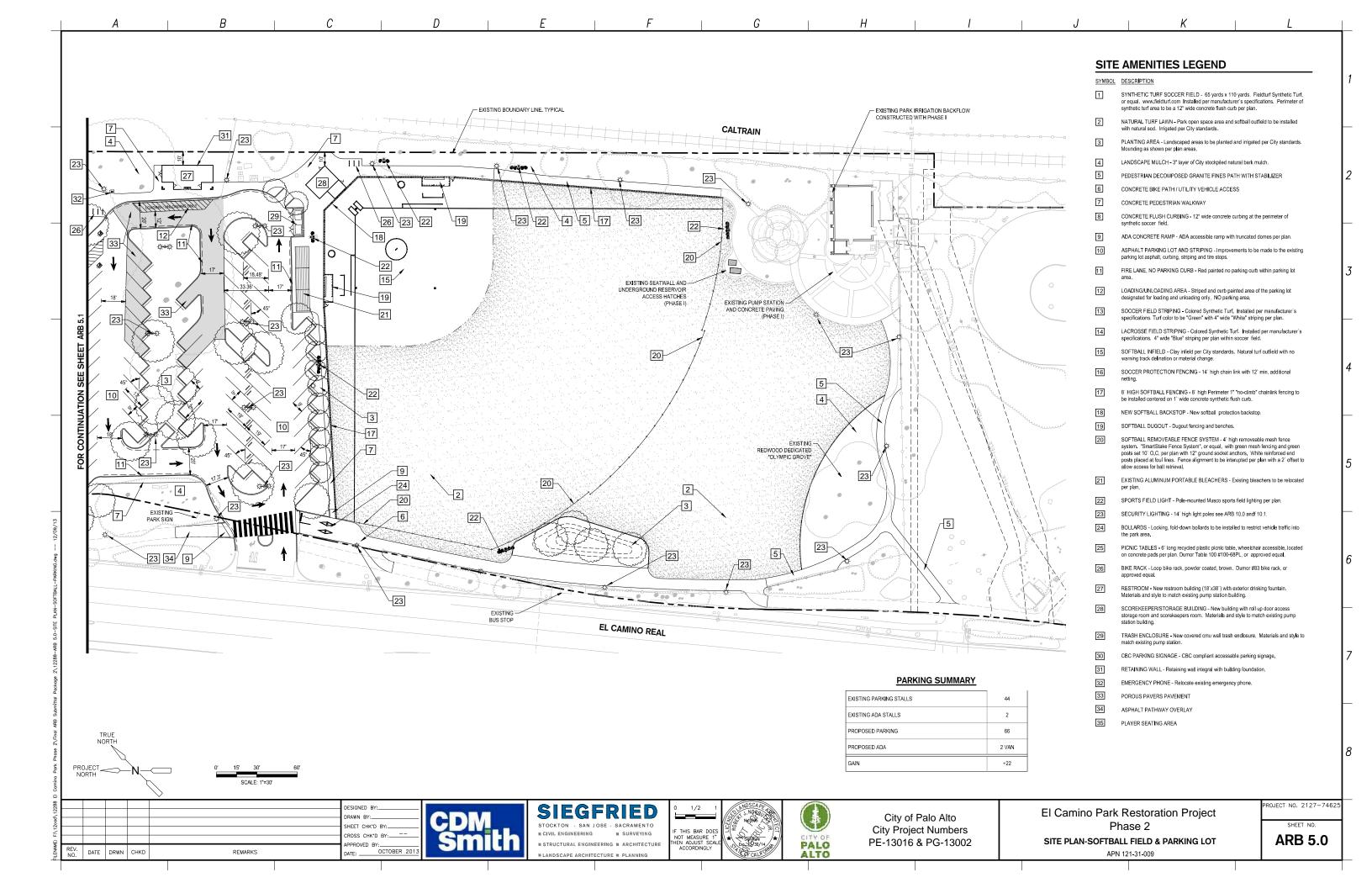
SHEET NO.

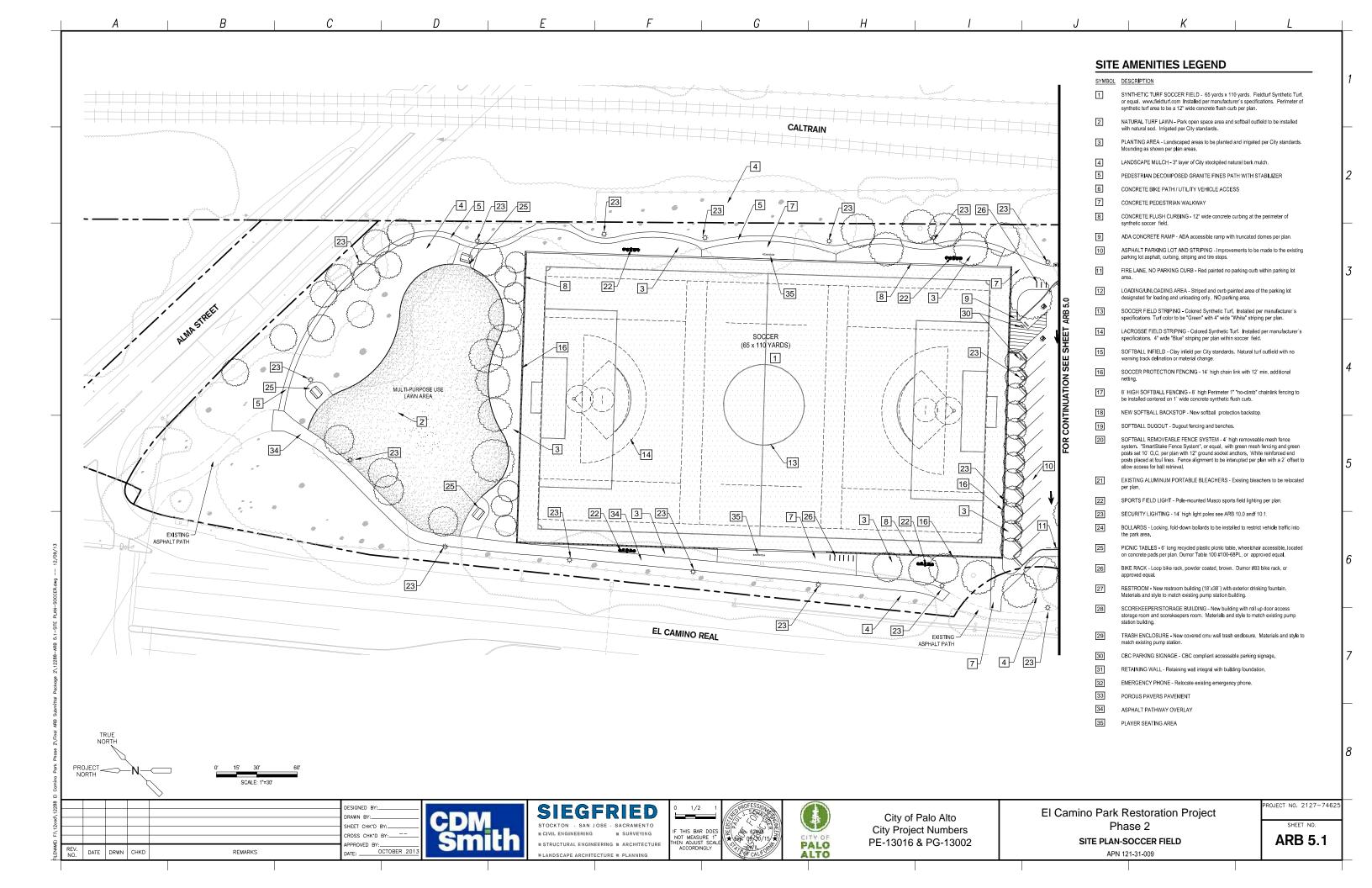
PHASE 1 SITE CONTEXT APN 121-31-009

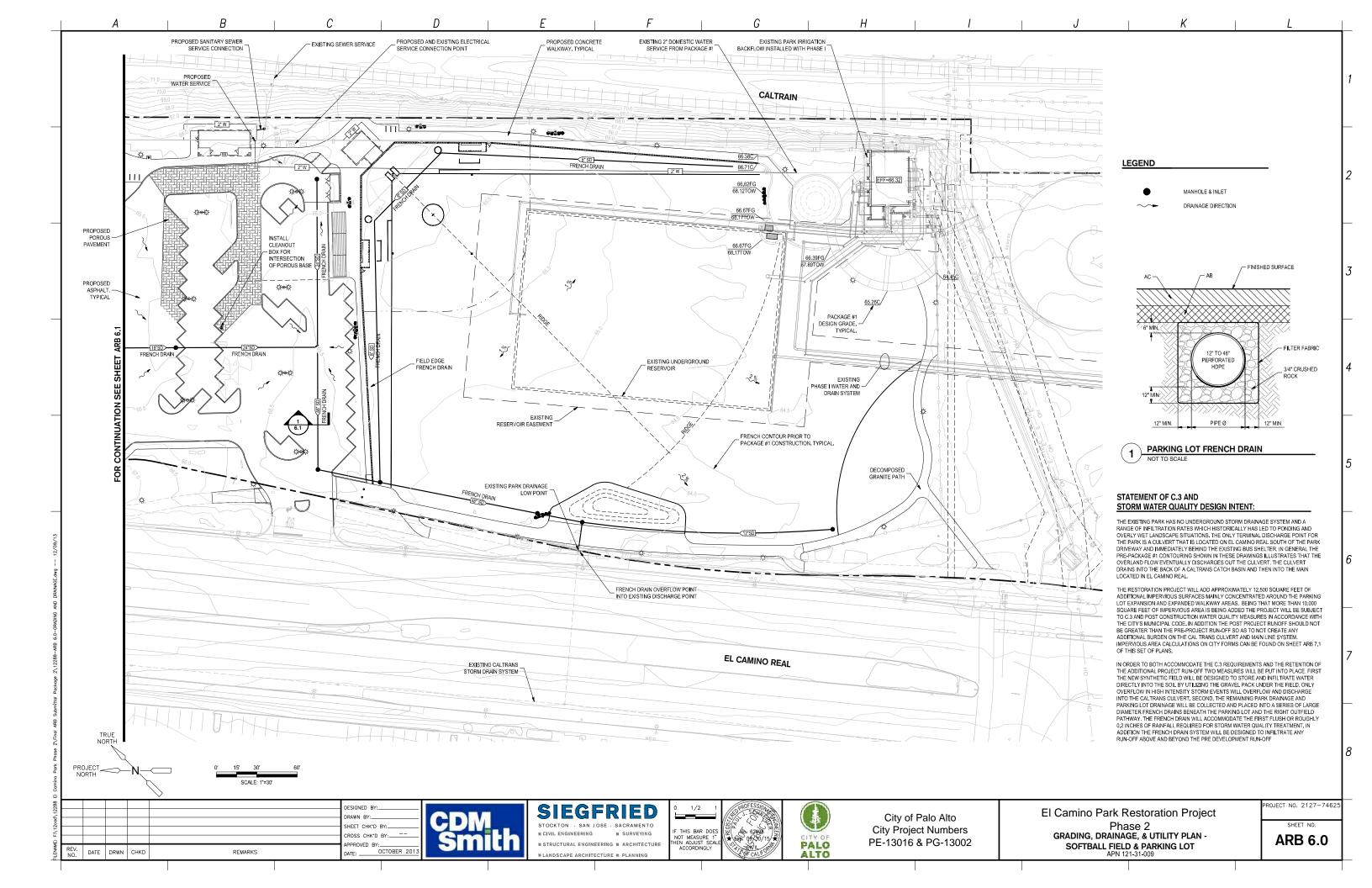
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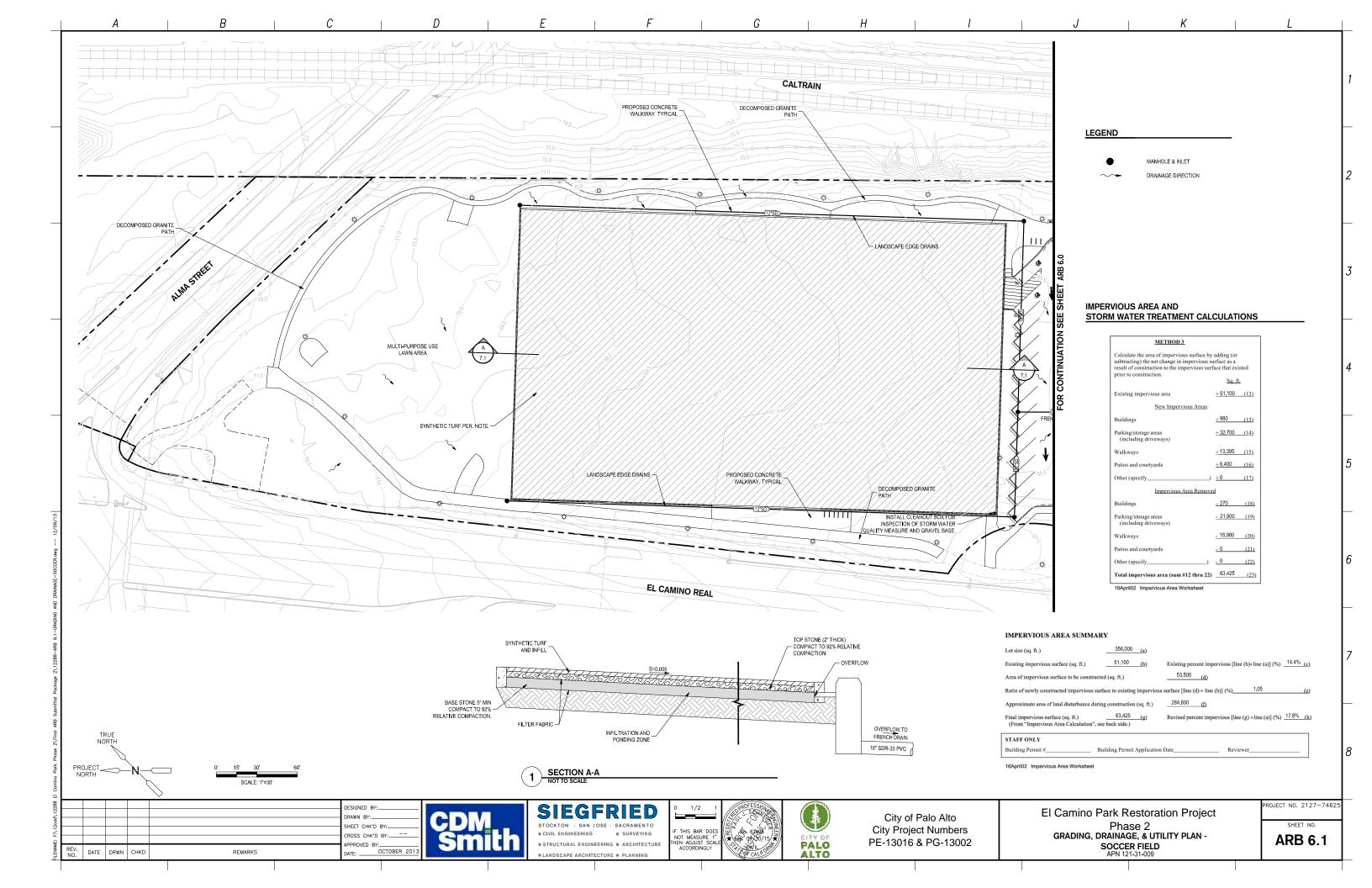


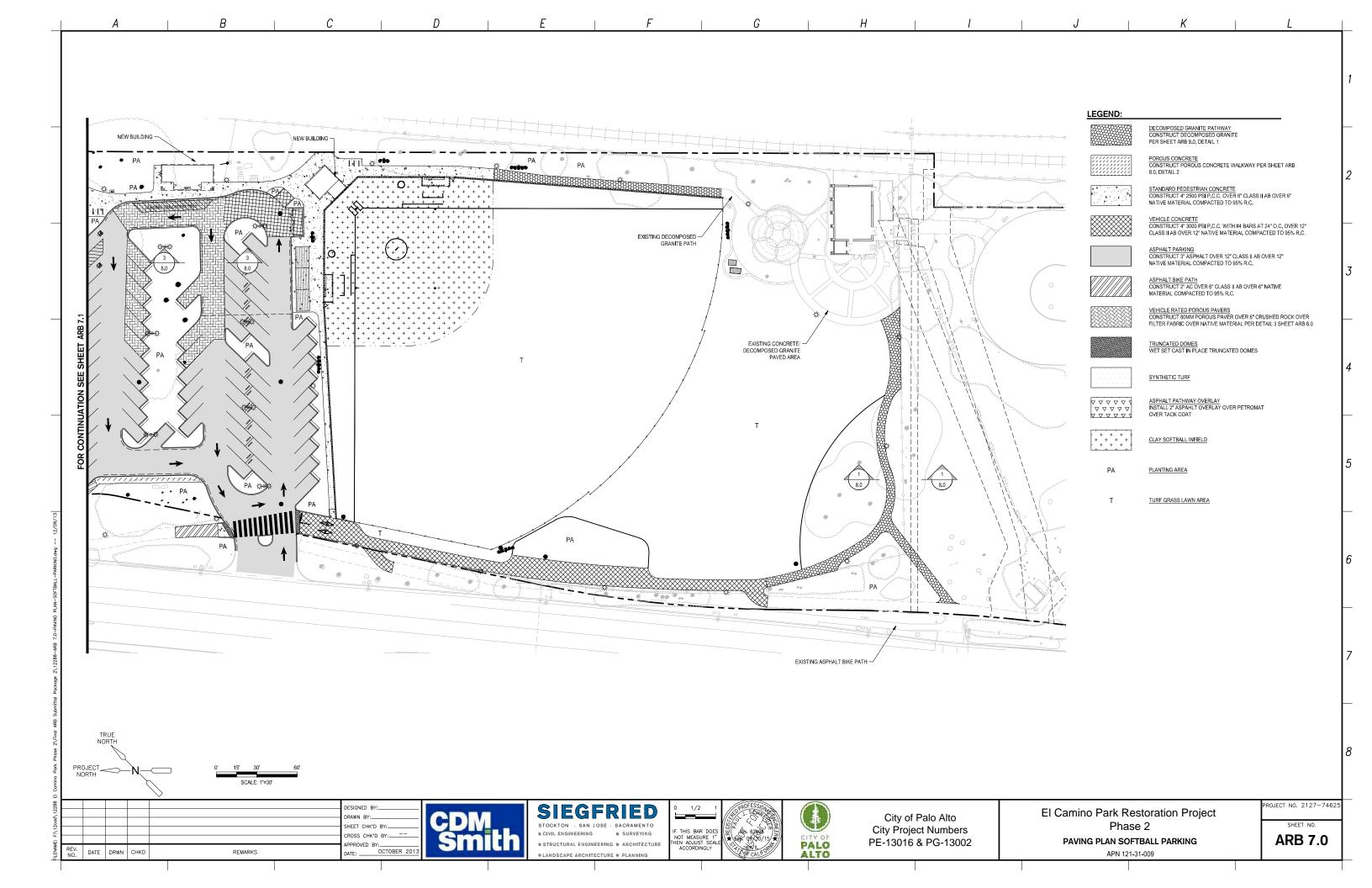


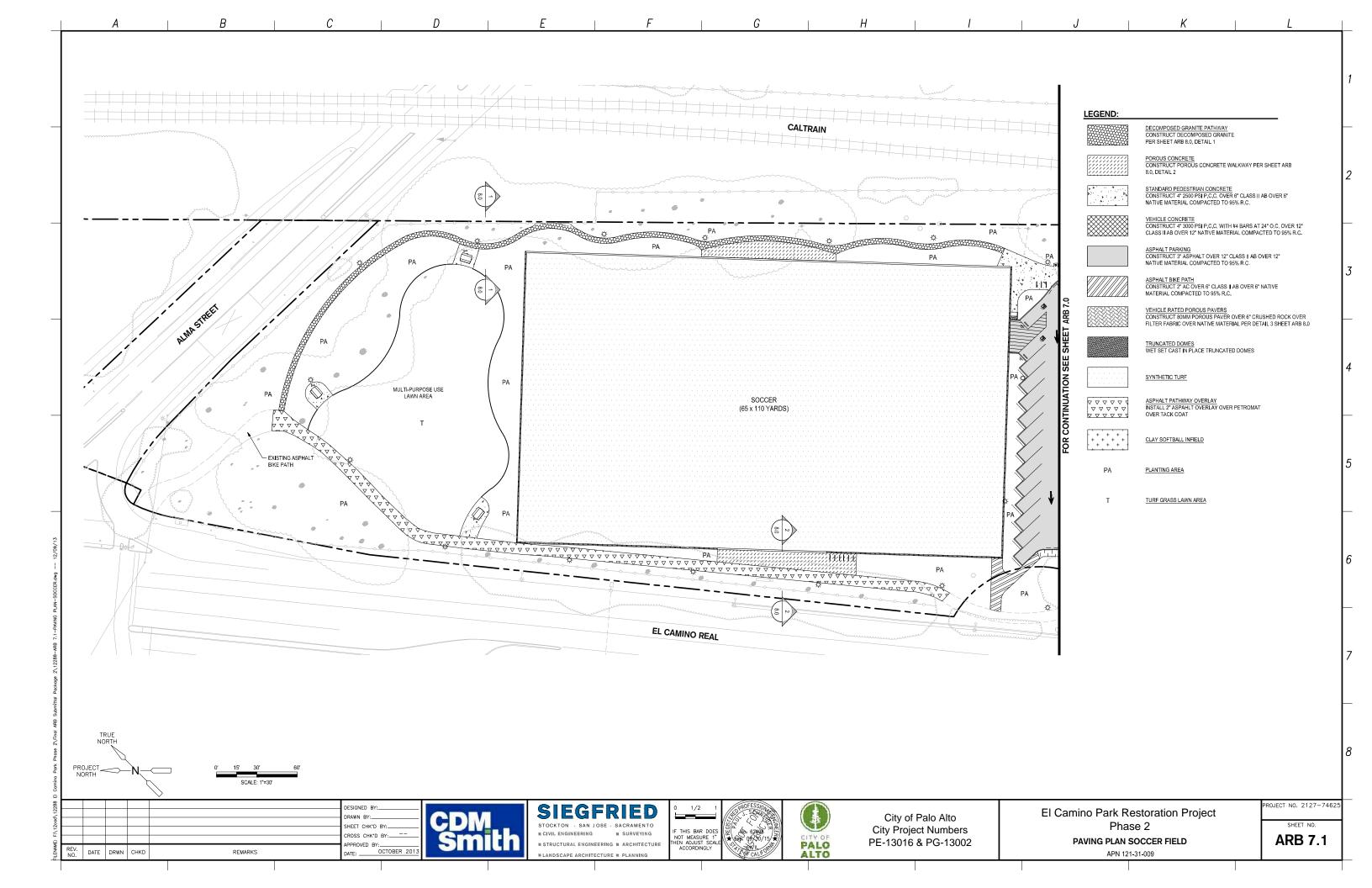


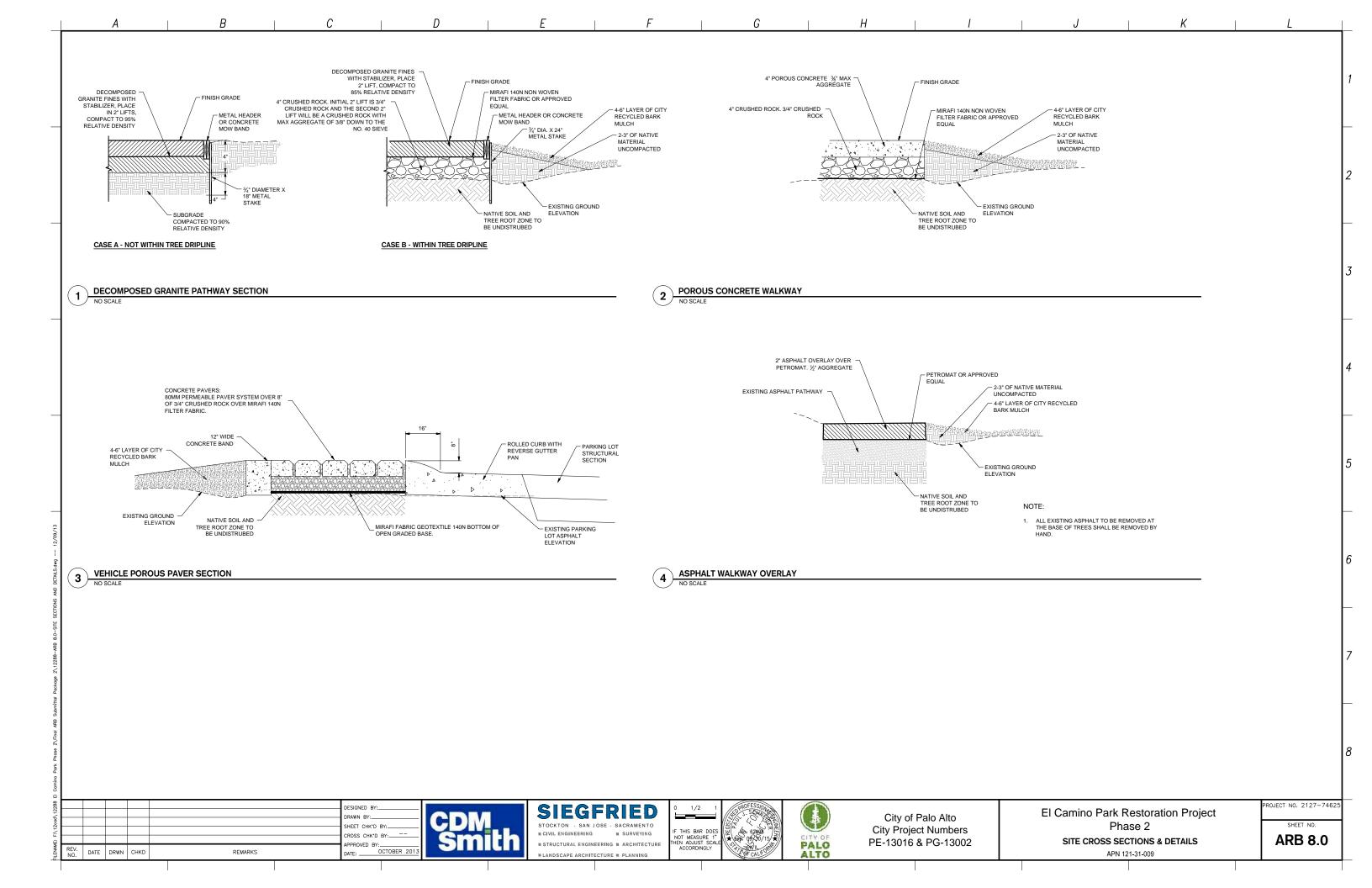




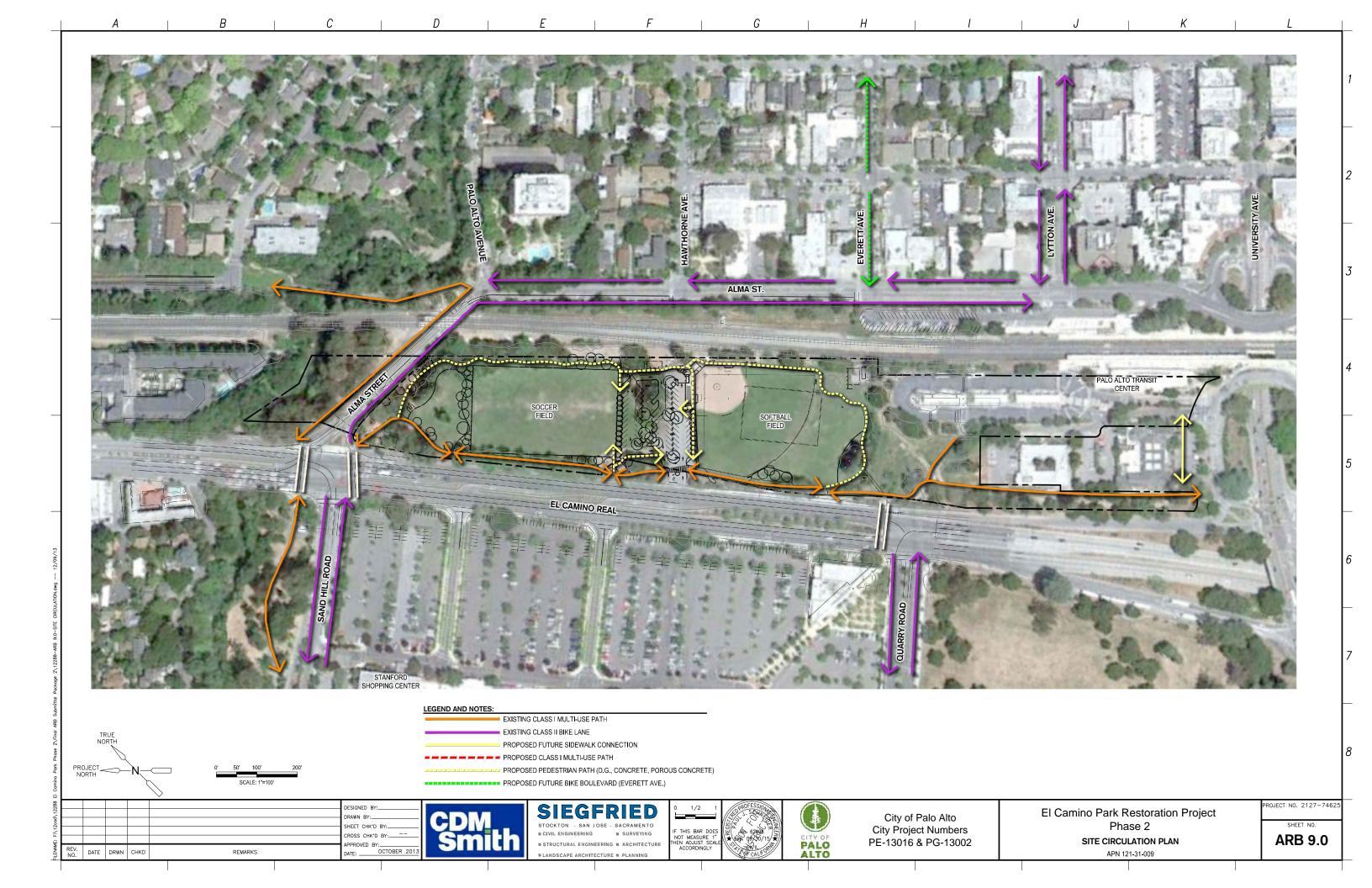


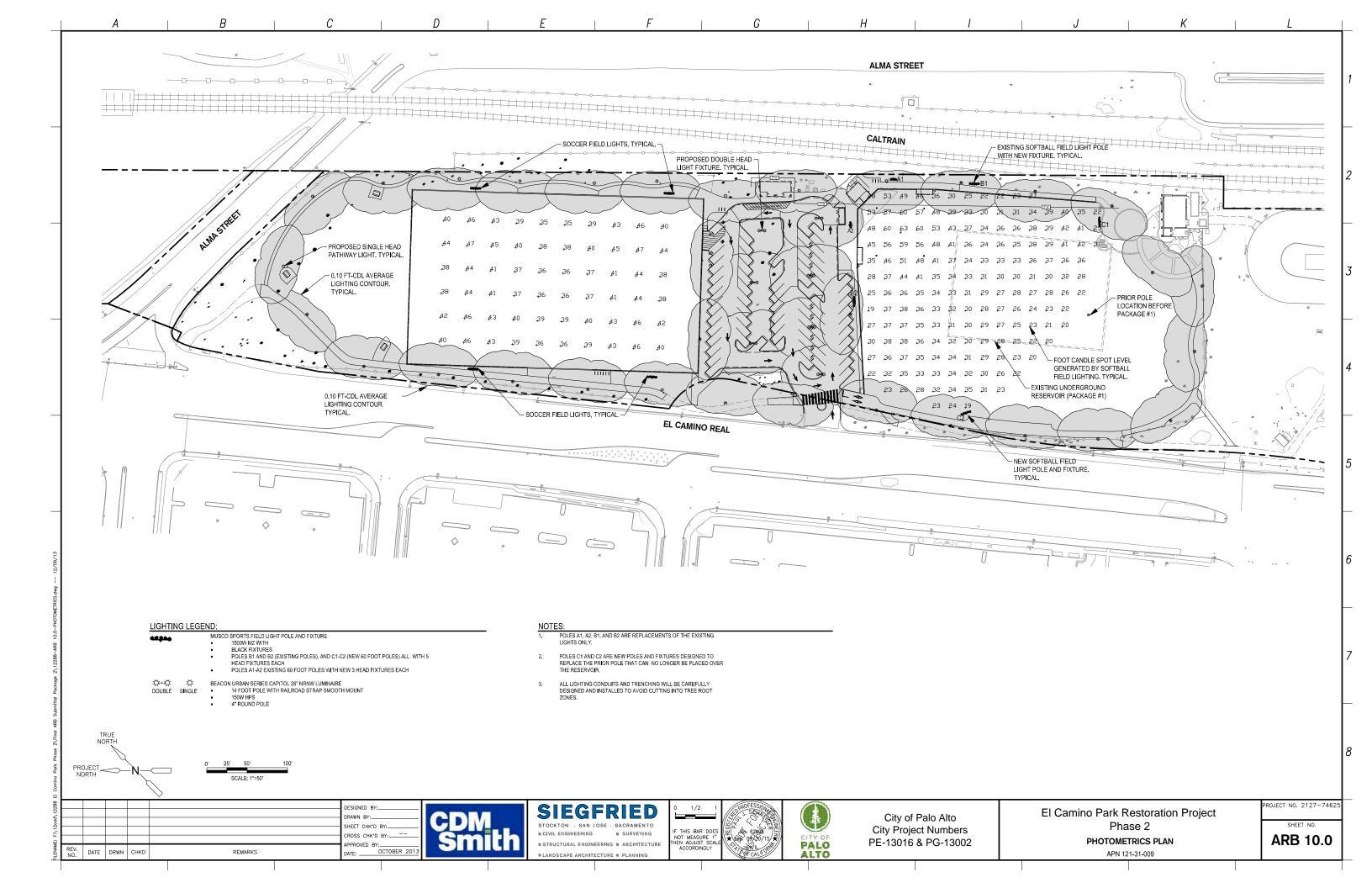


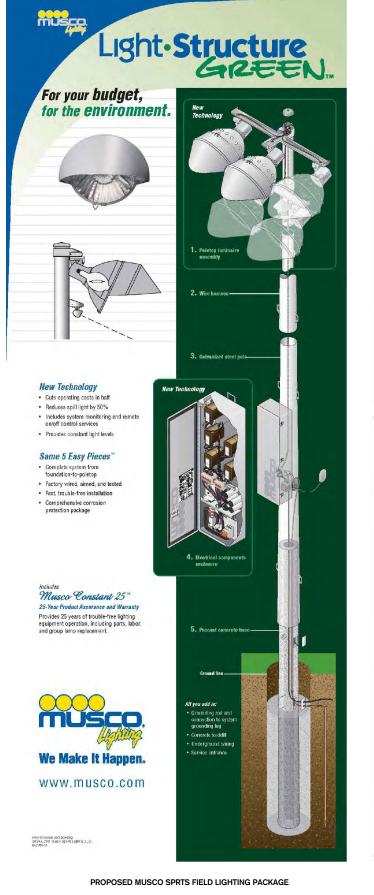




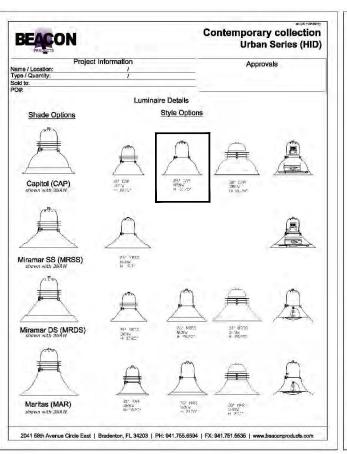


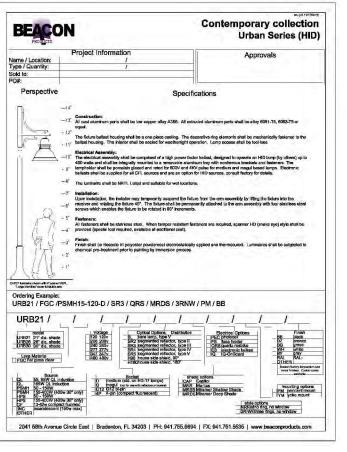


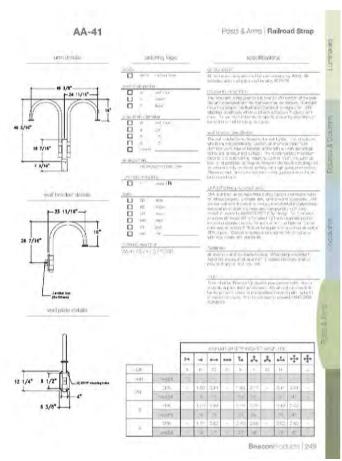












PROPOSED PATHWAY LIGHT AND PARKING LOT LIGHT





■ LANDSCAPE ARCHITECTURE ■ PLANNING







City of Palo Alto City Project Numbers PE-13016 & PG-13002 El Camino Park Restoration Project Phase 2 LIGHTING CUT SHEETS PROJECT NO. 2127-74625 SHEET NO.

ARB 10.1

APN 121-31-009

City of Palo Alto

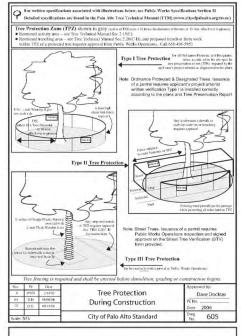
Tree Protection - It's Part of the Plan!

Make sure your crews and subs do the job right!

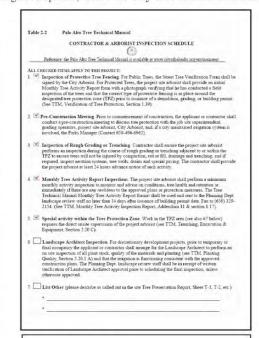
Fenced enclosures around trees are essential to protect them by keeping the foliage canopy and branching structure clear from contact by equipment, materials and activities, preserving roots and soil conditions in an intact and non-compacted state, and identifying the Tree Protection Zone (TPZ) in which no soil disturbance is permitted and activities are restricted, unless otherwise approved. An approved tree protection report must be added to this sheet when project activity occurs within the TPZ of a regulated tree. For detailed information on Palo Alto's regulated trees and protection during development, review the City Tree Technical Manual (TTM) found at www.cityofpaloalto.org/trees/.







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G. Street-	Tree Verification GTD Form (the name alreadyministrate granufecta) The Pretection: The fence shall excluse the entire TPZ of the tree(s) to be general throughout in oncorrection projects to seeze possing areas, if flexing is located on priving or conserve that well collished, then the pass may be supported by an appropriate grade level conserved hose, if approved. It There Pretection of two tree valuated within a planting typic, each be planting evil and act and so the desired projects are supported by an appropriate grade level conserved hose, if approved in TIPE or Pretection of two tree valuated within a planting typic, each the planting evil and act and so the desired projects are supported by the planting evil and the planting evil
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tree w the fit into 2 branch d. Sire, i into fit a dept special v. War interv -Wal PAM D Durin place distant Street g. Durin	open for public use:
the fire into a better into a	III Tree Protection: To be used only with approval of Public Works Operations. Trees situated in a fill or sidewalk planter pit, shall be wrapped with 2-inches of grange plantic fencing from the ground.
d. Size, ink for a depth specific v. 'Wara' Wara' PAAM f. Durat place distart Street g. Duris	r branch and overlaid with 2-inch thick worden stars bound securely (stars shall not be allowed to d
d. Size, ink for a dept specific warm of the control of the contro	e bark). During installation of the plastic fencing, caurion shall be used to avoid damaging any
ink R a depty specific v. 'War interv "WAI PAM f. Duran place distant Street g. Durin	es. Major lumbs may also require plasme fencing as directed by the City Arborist.
a dept specif v. War- inter- WAI PAM6 f. Durin place- distart Street g. Durin	spe and area to be fenced. All trees to be preserved shall be protected with six (6') foot high chain nees. Fences are to be resunted on two-incit diameter galvanized iron posts, driven into the ground
e. War War "Wal PAM F Dura place distand Street	of at least 2-fee, at no more than 10-foot spacing. Fending shall extend to the outer branching, unle
f. Durin	cally approved on the STV Form.
FAMO f. Durin place disturt Street g. Durin	sing' signs. A warning sign shall be weather proof and prominently displayed on each feace at 20-6
f. Durat place distart Street g. Duris	ils. The sign shall be minimum 8.5-inches x l 1-inches and clearly state in half inch hall letters:
f. Durat place distart Street g. Durin	MING - Tree Protection Zone - Tass fonce shall not be removed and is subject to a fine according to Section 8.10.110."
place distart Street g. Durin	ion. Tree fencing shall be erected before demolition; grading or construction begins and remain in
distart Street g. Durin	mil final inspection of the project, except for work specifically allowed in the TPZ. Work or will
g. Durin	same in the TPZ requires approval by the project arborist or City Arboris: (in the case of work aroun
2	Trees). Excavations within the public right of way require a Street Work Permit from Public Works
	geonstruction
I. A	I neighbors' trees that overhang the project site shall be protected from impact of any kind
2. T	to applicant shall be responsible for the repair or replacement plus penalty of any publicly owned tro
	at are darraged during the course of construction, pursuant to Section 8.04.070 of the Palo Alto
	unicipal Code. se fullowing tree preservation measures apply to all trees to be retained:
3. 1	 a. No storage of material, ropsoil, vehicles or equipment shall be permitted within the TPZ.
	b. The ground index and around the tree canopy area shall not be altered.
	 Trees to be retained shall be irrigated, acrated and main aimed as necessary to ensure survival



	City of Palo Alto Tree Department Public Works Operations PO Box 10280 Palo Alto, CA 943 560496-5953 FAX: 650852-928 treeprotection@CityoPaloAlto.or	9	ion
Applicant Instruction	ons: Complete upper partian e ent to Public Warks Dept. Pu	of this form. Mail or FAX this form along with signed blic Works Tree Staff will inspect and notify applicant.	Tree
APPLICATION D	ATE:		
ADDRESS/LOCA TREES TO BE P	ATION OF STREET ROTECTED:		
APPLICANT'S N	AME:		
APPLICANT'S A	DDRESS:		
APPLICANT'S TI & FAX NUMBER			
This section to be	filled out by City Tree Staff		
The Street Trees at the above address(es) are adequately protected. The type of protection used is:		YES NO* NO* NO. go to #2 below	
Inspected by:			
Date of Inspec	tion:		
protected. The modifications Indicate how	are required: the required were communicated		
Subsequent Insp	ection		
	ove address were found	YES NO* NO* '	aso.
Inpsected by:			
Date of Inspection	on:		
site, condition and installed. Also no	street trees by species, d type of tree protection te if pictures were of sheet if necessary.		
		olition or building permit issuance.	



---WARNING---**Tree Protection Zone**

This fencing shall not be removed without City Arborist approval (650-496-5953)

Removal without permission is subject to a \$500 fine per day*

*Palo Alto Municipal Code Section 8.10.110

PECIAL INSPECTIONS	PLANNING DEPARTMENT
TREE PROTECTION INSE	PECTIONS MANDATORY
MC 8.10 PROTECTED TREES, CONTRACTOR SHALL QUIRED TREE INSPECTION AND SITE MONITORING. SPORTS TO THE PLANNING DEPARTMENT LANDSCAI UILDING PERMIT ISSUANCE.	PROVIDE WRITTEN MONTHLY TREE ACTIVITY
BUILDING PERMIT DATE:	
DATE OF 1ST TREE ACTIVITY REPORT: _	
CITY STAFF:	
RIFY THAT ALL TREE PROTECTION MEASURES ARE TIVITY SCHEDULED OR UNSCHEDULED, WITHIN A	Y REPORT SHALL CONFORM TO SHEET T-1 FORMAT, IMPLIMENTED AND WILL INCLUDE ALL CONTRACTOR TREE PROTECTION ROOT ZONE, NON-COMPLIANCE FERENCE: PALD ALTO TREE TECHNICAL MANUAL

Apply Tree Protection Report on sheet(s) T-2

Use additional "T" sheets as needed

Project Data



All other tree-related reports shall be added to the space provided on this sheet (adding as needed) Include this sheet(s) on Project Sheet Index or Legend Page. A copy of T-1 can be downloaded at

Special Tree Protection Instruction Sheet City of Palo Alto



T-1



SIEGFRIED STOCKTON - SAN JOSE - SACRAMENTO ■ CIVIL ENGINEERING ■ SURVEYING

■ STRUCTURAL ENGINEERING ■ ARCHITECTURE

■ LANDSCAPE ARCHITECTURE ■ PLANNING

IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALI ACCORDINGLY





City of Palo Alto City Project Numbers PE-13016 & PG-13002 El Camino Park Restoration Project Phase 2

SPECIAL TREE PROTECTION INSTRUCTION SHEET APN 121-31-009

ARB 11.0

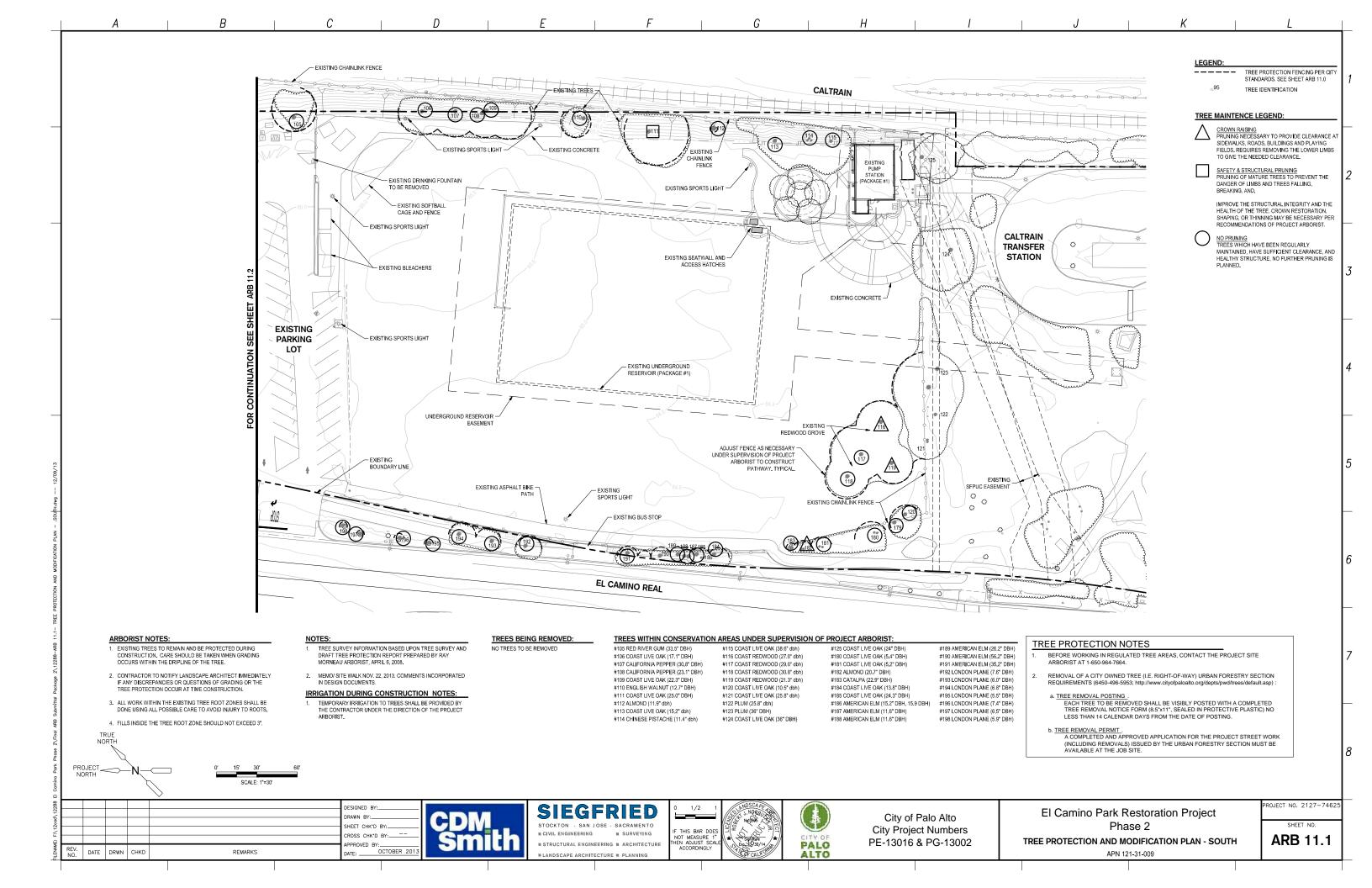
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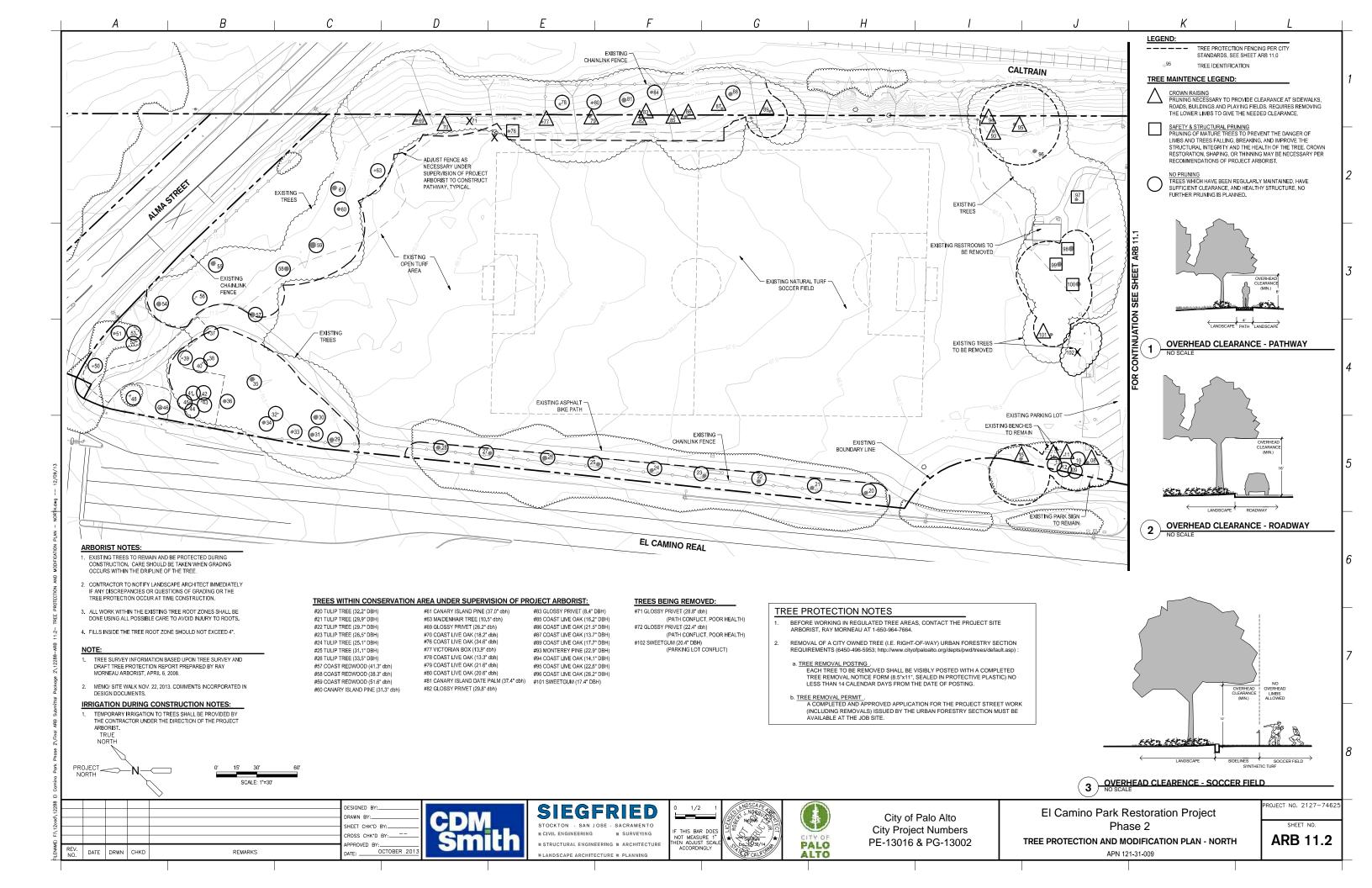
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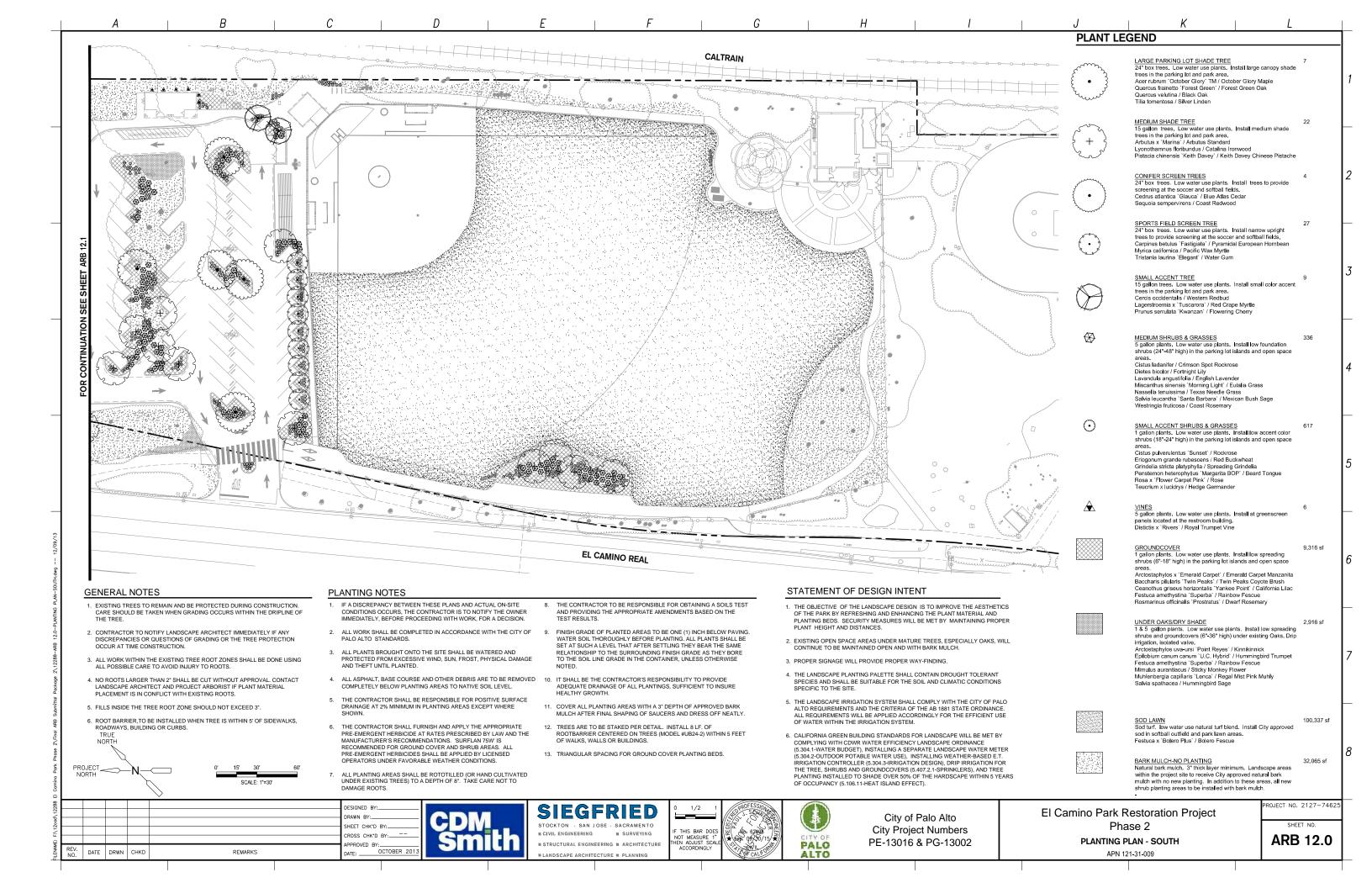
http://www.cityofpaloalto.org/civica/filebank/blobdload.asp?BlobID=6460

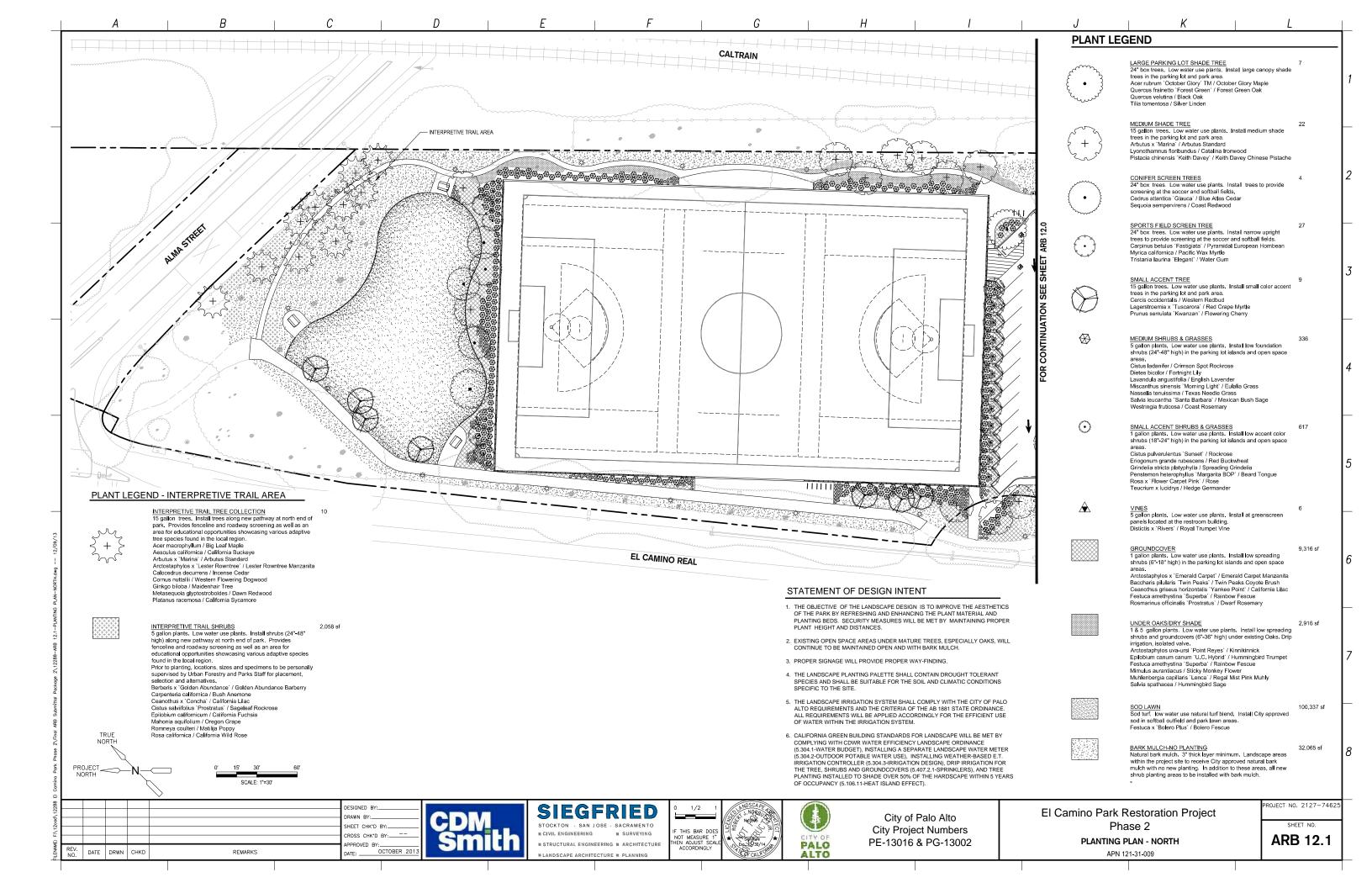
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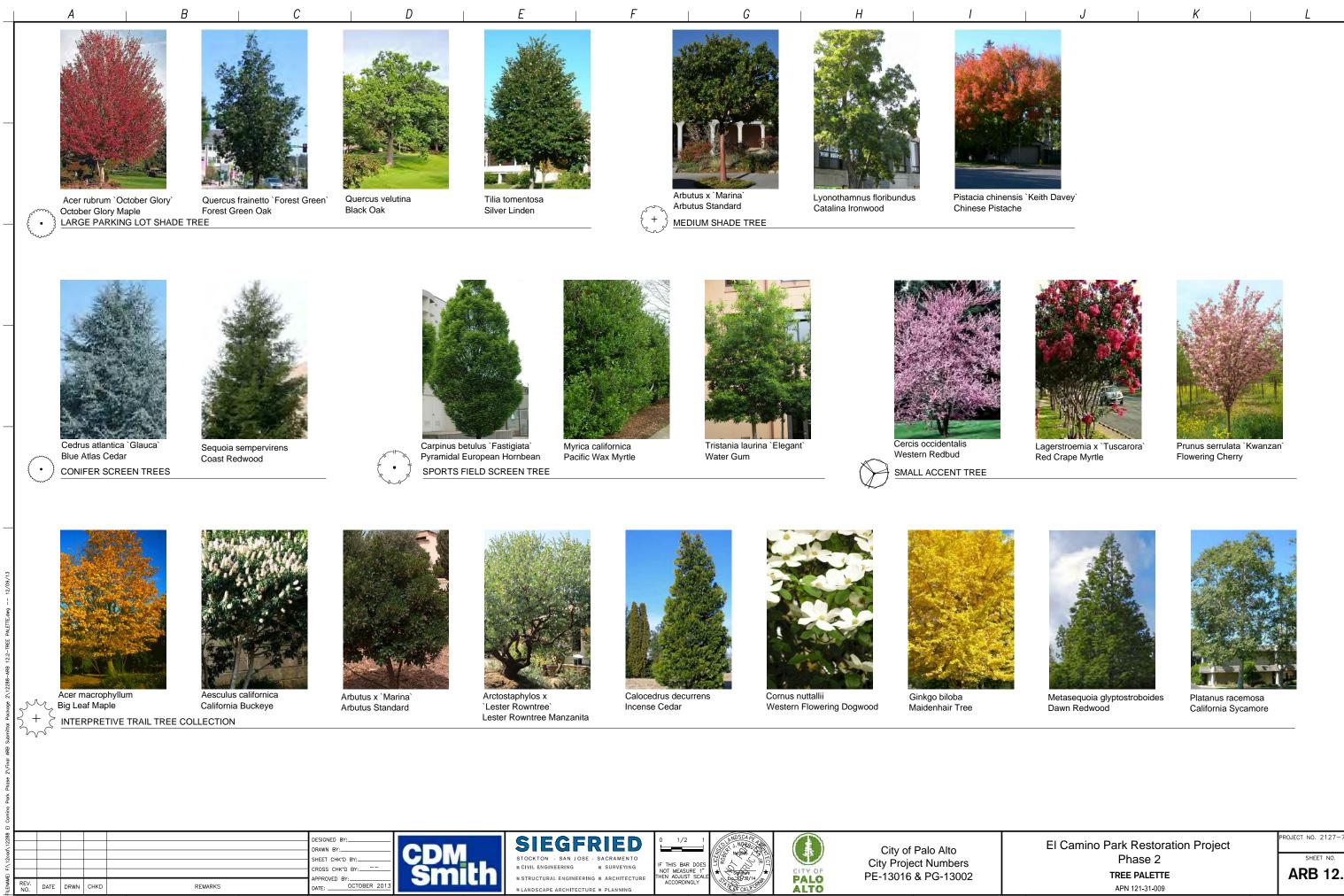
PALO











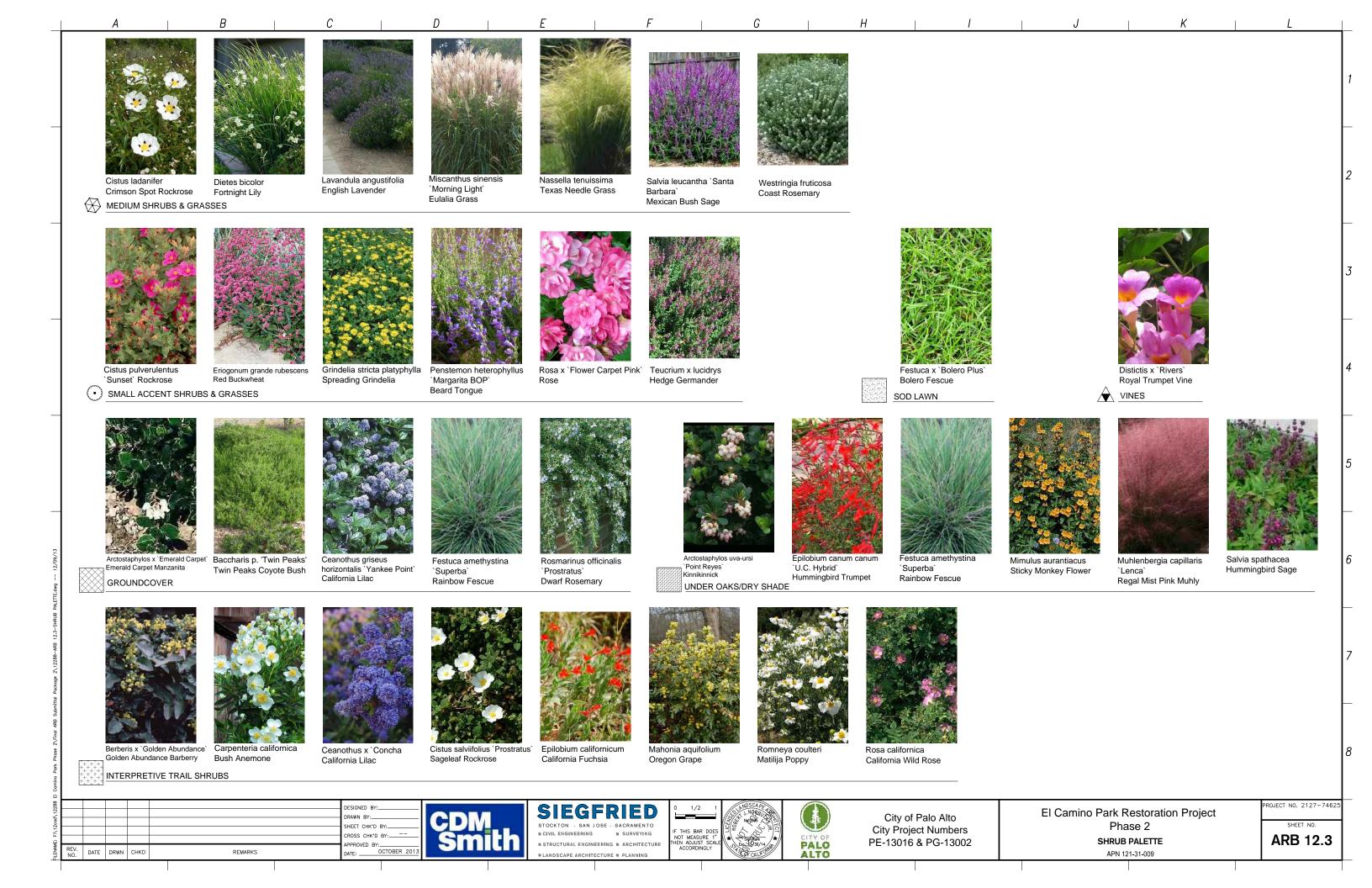
■ LANDSCAPE ARCHITECTURE ■ PLANNING

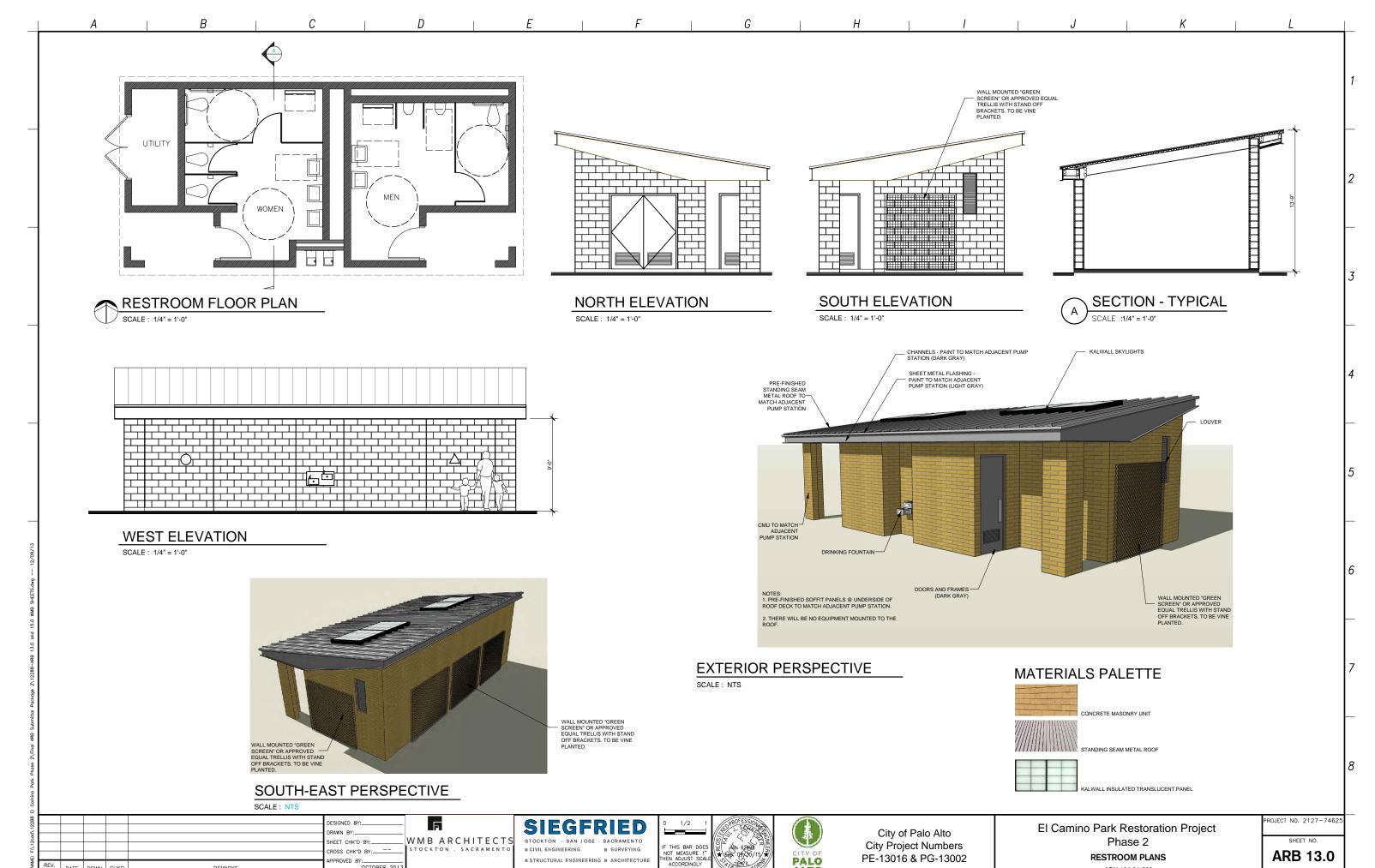
REV. DATE DRWN CHKD

REMARKS

TREE PALETTE APN 121-31-009

ARB 12.2





STOCKTON . SACRAMENT

CROSS CHK'D BY:__

OCTOBER 2013

PPROVED BY:_

REMARKS

REV. DATE DRWN CHKD

■ CIVIL ENGINEERING

M STRUCTURAL ENGINEERING M ARCHITECTURE

■ LANDSCAPE ARCHITECTURE ■ PLANNING

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PE-13016 & PG-13002

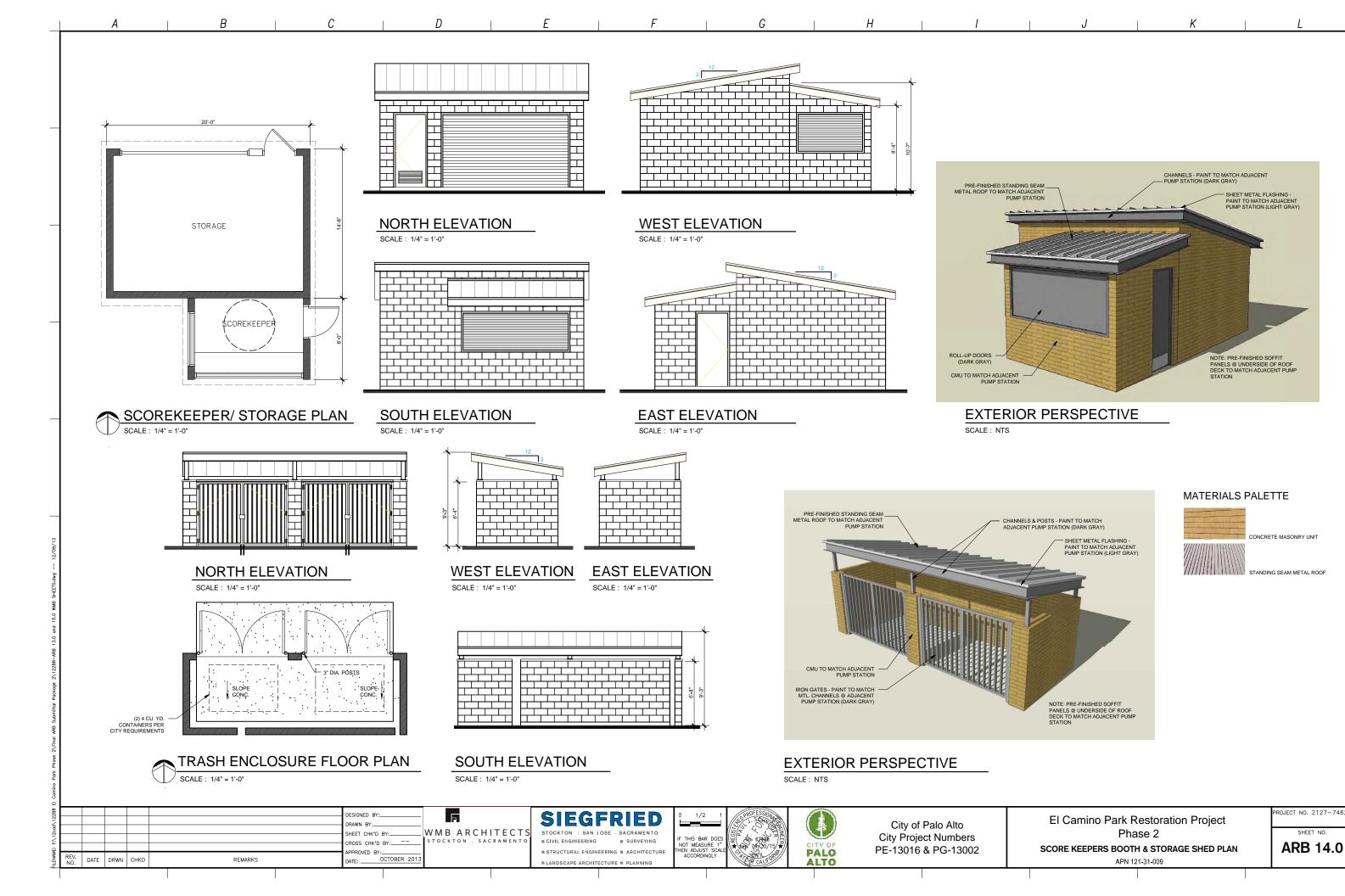
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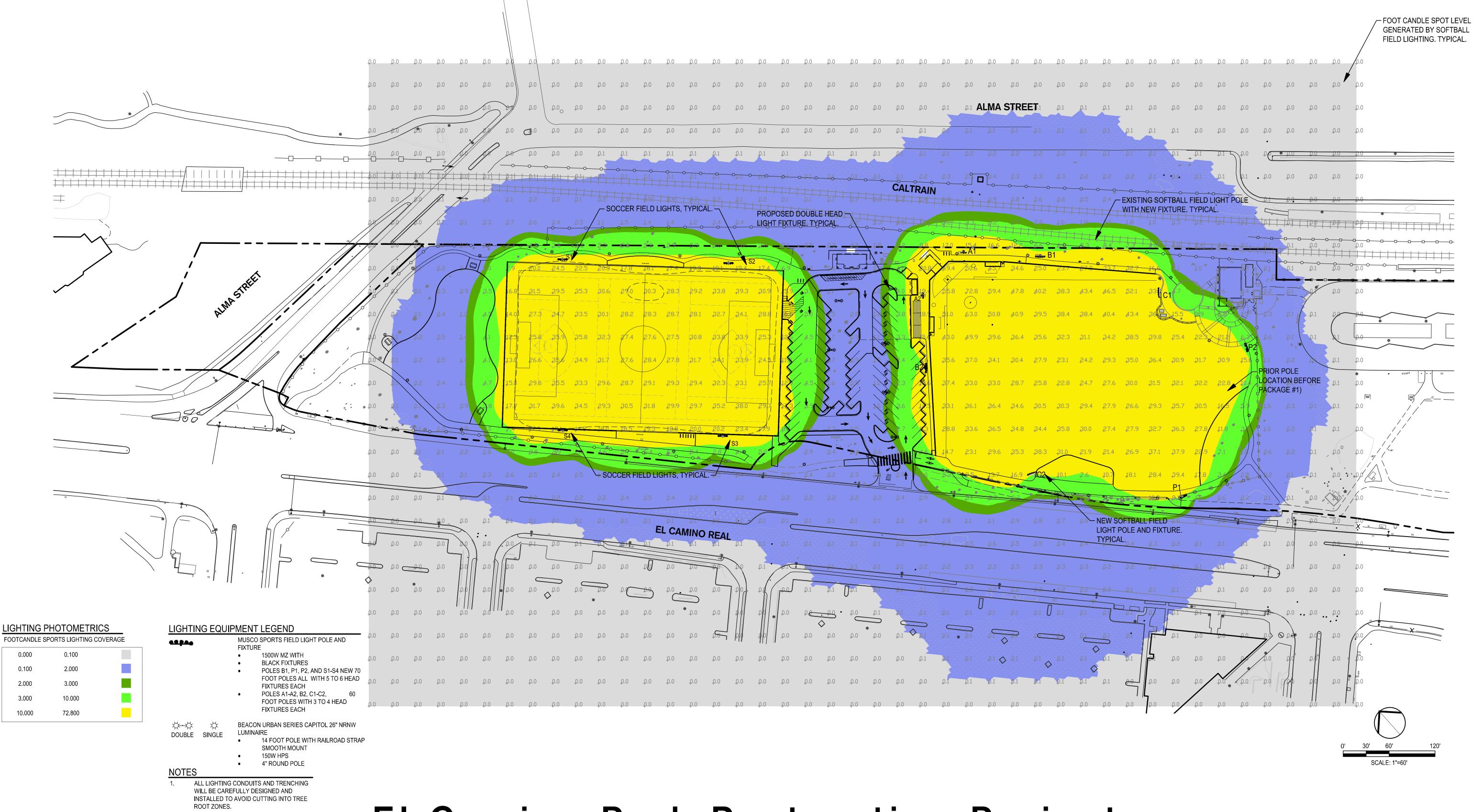
ALTO

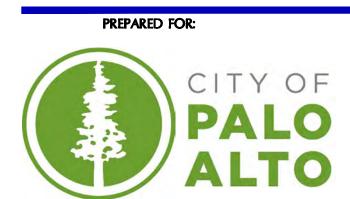
ARB 13.0

RESTROOM PLANS

APN 121-31-009







APN 121-31-009 Project #PE-13016 PG-13002

El Camino Park Restoration Project

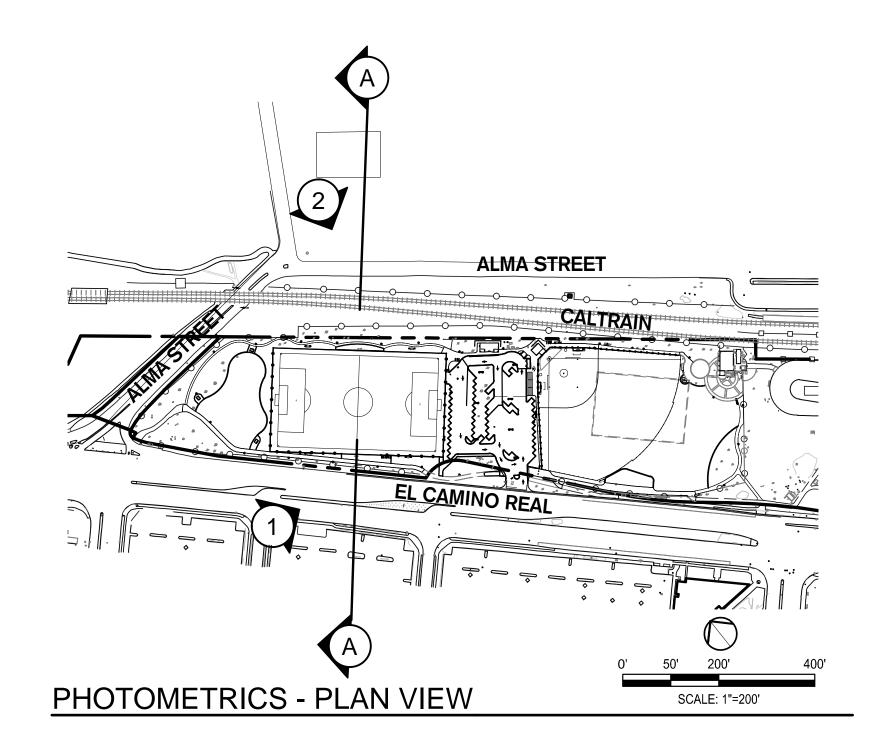
Phase 2 Palo Alto, California FIELD LIGHTING PHOTOMETRICS





STRUCTURAL LANDSCAPE

January 14, 2014















DESIGN - EXISTING VIEWS PALO ALTO CONDOMINIUM APARTMENTS - 101 ALMA STREET

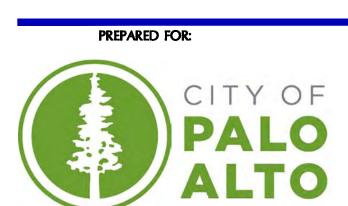


PERSPECTIVE 1 - PROPOSED PARK IMPROVEMENTS

APPROXIMATELY 350 FEET TO BUILDING PROPOSED SPORTS EXISTING MATURE TREES ~ PROPOSED SPORTS FIELD FIELD LIGHTING 70 — FEET (50-65 FEET HIGH) EXISTING MATURE PARK STREET / EXISTING AND SCREENING TREES EXISTING PROPOSED MATURE SCREENING TREES FIELD LIGHTING COVERAGE AREA EXISTING 6 FOOT HIGH PARK FENCE 30.0 FC AVG.- FIELD 0.1 FC - PERIMETER 6 FOOT HIGH RAILROAD FENCE 215 FEET * * * * SIDEWALK EL CAMINO REAL SOCCER FIELD PLAYER SEATING 1 **EXISTING CONDOMINIUM PLAYER** PROPERTY **APARTMENTS** SEATING AREA

El Camino Park Restoration Project





SECTION DETAIL A-A

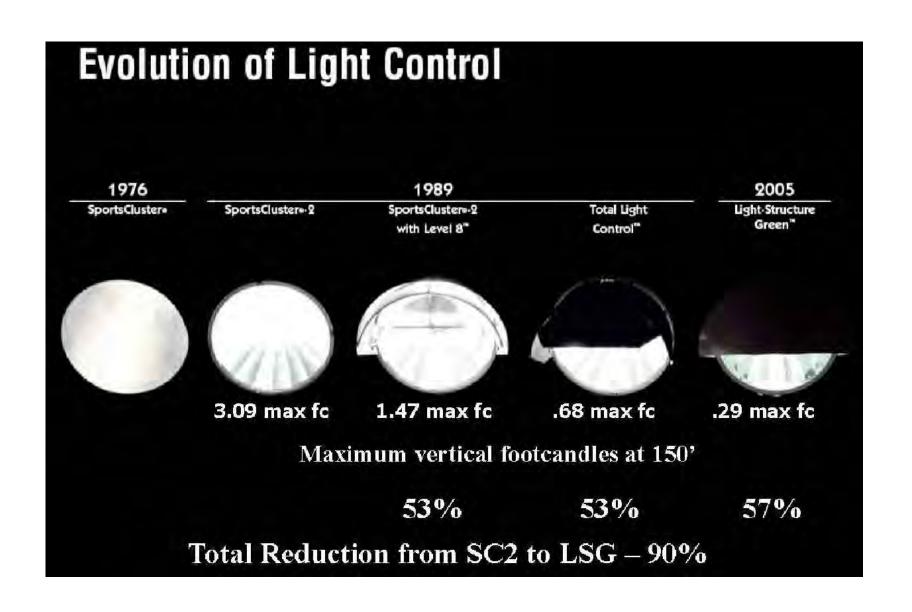
APN 121-31-009 Project #PE-13016

Phase 2 Palo Alto, California FIELD LIGHTING PHOTOMETRICS

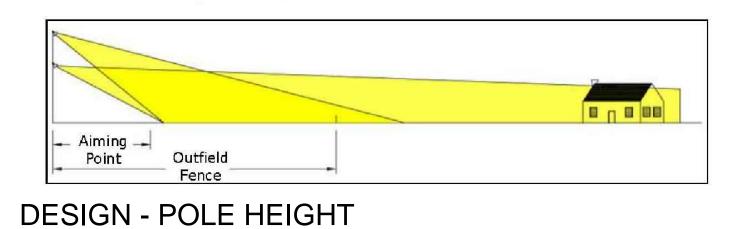




209-943-2021 www.siegfriedeng.com Fx: 209-942-0214



Taller poles ensure proper aiming angles, decrease glare for players, and decrease

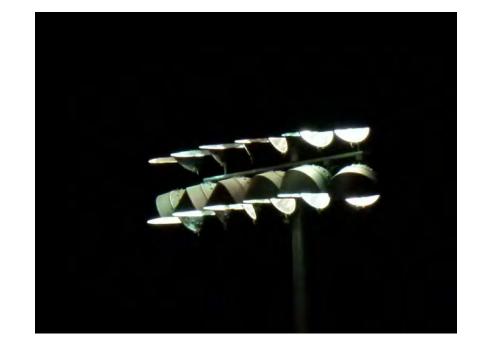


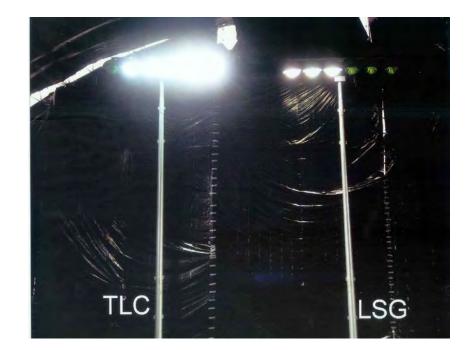
APN 121-31-009

PG-13002

Project #PE-13016

off-site spill light.











Light-Structure

•New aerodynamic visor with beam contr

How does Light Structure Green reduce energy cost?

Improved fixture efficiency

How does Light Structure Green reduce spill & glare?

1. Internal optics allow for project specific photometric distribution 2. Improved optics shields the players & neighbors from excess glare

40% Energy Savings

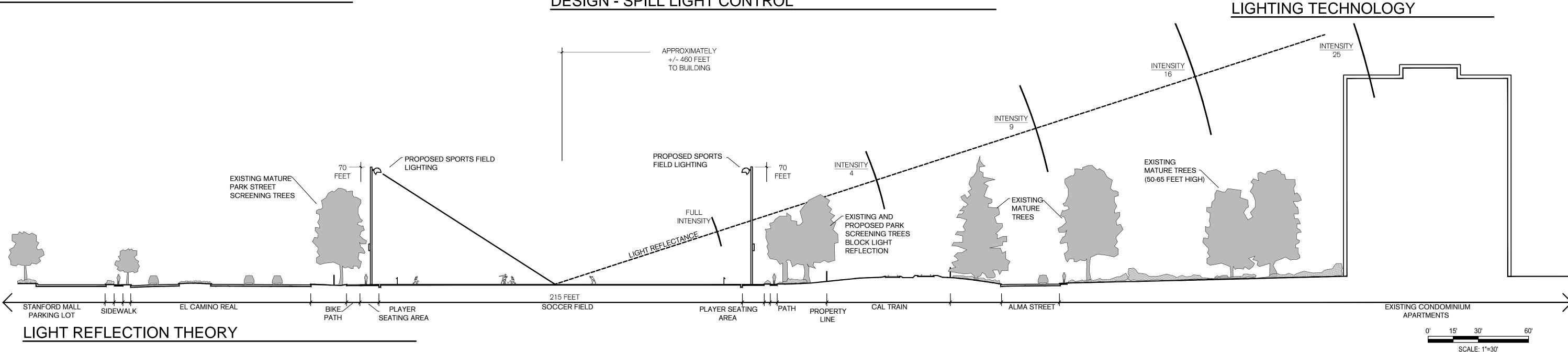


 Geared Tilt adjustment •2000 Photometric patterns Improved gasketing

Smart Lamp Technology



DESIGN - SPILL LIGHT CONTROL



El Camino Park Restoration Project

January 14, 2014 STRUCTURAL

Phase 2 Palo Alto, California FIELD LIGHTING PHOTOMETRICS







209-943-2021 www.siegfriedeng.com Fx: 209-942-0214

LANDSCAPE

El Camino Park Restoration Project

Field Lighting Photometrics – 70 foot Poles



Lighting within the sports fields ranges from 14-35 fc. Light fixtures have cut-off shields which limit the amount of light to the adjacent areas





ranges from 20-25 fc.





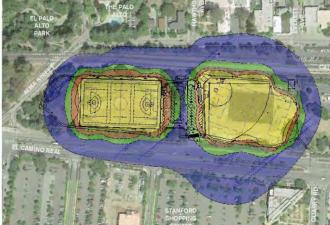




SIDEWALK & STREET Lighting along the roadway ranges from 1-1.5 fc. Lighting coverage is consistent and even from light

EL CAMINO REAL (at El Camino Park)

155 El Camino Real, Palo Alto, Ca.



FIELD LIGHTING PHOTOMETRICS (70 FOOT POLE HEIGHT)

FOOT-CANDLE (FC) SPORTS LIGHTING COVERAGE

PLAYING FIELDS

PARKING LOT Adjacent parking lot ranges from 1.5 fc at the front of the parking stalls facing El Camino Real, to 5 fc at the fenceline of the soccer fields

STANFORD / PALO ALTO COMMUNITY PLAYING FIELDS COBB TRACK & ANGELL FIELD(Stanford University) 295 Galvez Street Stanford Ca.

Lighting within the sports complex and track area





Lighting along the park pathway ranges from 4-5 fc.

Lighting coverage is consistent and even from light

pole to light pole. Lights fixtures cast a vellowish

Lighting within the shopping center parking lot ranges

Lighting coverage is uneven with visibly brighter spots

at the poles and darker drive aisles.

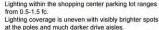
STANFORD SHOPPING CENTER

660 Stanford Shopping Center, Palo Alto, Ca.





PARKING LOT Lighting within the shopping center parking lot ranges



A foot-candle (abbreviated fc, lm/ft2, or sometimes ft-c) is a unit of illuminance or light intensity widely used in the lighting industry, construction-related engineering and in building codes. It is defined as the illuminance cast on a surface by a one-candela source one foot away.

It can be defined as the illuminance on a one-square foot surface of which there is a uniformly distributed flux of one lumen. Thus one foot-candle is equal to one lumen per square foot or approximately 10.764 lux.

LIGHTING PHOTOMETRICS LEGEND Foot-candles Applications Sports Fields **Shopping Centers** Parking Lots fc - Foot-candles

PARKING LOT Lighting within the condominium parking lot ranges from 0.5-3 fc

Lighting coverage is uneven with visibly brighter spots at the poles along the pedestrian walkway and darker

101 Alma Street Palo Alto Ca

Lighting along the roadway ranges from 3-4 fc. Lighting coverage is consistent and even from light pole to light pole.

SIDEWALK & STREET

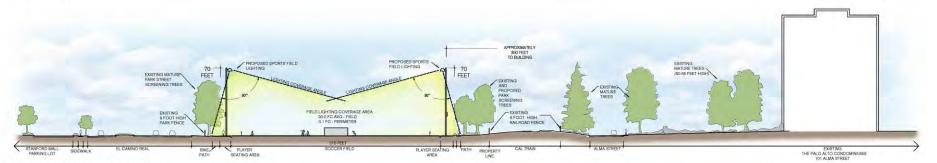
ALMA STREET (at The Palo Alto Condominiums)

EL PALO ALTO PARK

117 Palo Alto Avenue, Palo Alto, Ca.

TOWN & COUNTRY VILLAGE SHOPPING CENTER 855 El Camino Real, Palo Alto, Ca.

PHOTOMETRICS SURVEY LOCATIONS



SECTION DETAIL A-A (70 FOOT POLE HEIGHT)









465 MAGNOLIA AVENUE LARKSPUR, CALIFORNIA 94939 T 415.758.9800

MEMORANDUM

To: Elizabeth Ames

Hung Nguyen City of Palo Alto

From: Darcey Rosenblatt

Subject: Artificial Turf Analytical Results – El Camino Parks Athletic Fields

Date: September 16, 2014

cc: Elizabeth Ames

Recommendation for Testing Artificial Turf Products – El Camino Parks Athletic Fields

The City requested that Dudek sample materials proposed for use in the restoration of playing fields at El Camino Park. Dudek's recommendations for testing these products are as follows:

The samples should be analyzed to evaluate the potential for the turf materials to adversely affect human health or water quality through their normal use. To complete this analysis the samples should be analyzed for constituents that could potentially be used in their manufacture that commonly impact water quality/human health. Metals, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs) would be the most likely constituents to impact water quality and/or human health through leaching or direct contact with the synthetic turf. Thus, to evaluate potential impacts to human health from direct contact, the turf sample results should be compared to EPA Regional Screening Levels and Cal-EPA California Human Health Screening Levels, which test for these constituents.

To evaluate potential impacts to groundwater, concentrations that could leach from the turf material should be compared to the maximum contaminant levels (MCLs). The MCL is established by the U.S. Environmental Protection Agency (EPA) and lists the maximum concentration of a chemical that is allowed in public drinking water systems. The same criteria are used to evaluate groundwater quality.

Estimation of the potential concentration that could leach from the turf should be obtained by analyzing an extract of the sample obtained using the synthetic precipitation leaching procedure (SPLP). The SPLP extraction simulates leaching that could occur when the product material is exposed to rainfall. Therefore, the SPLP extraction best evaluates leaching during normal use.

To evaluate potential impacts to stormwater, and thus to surrounding surface water, concentrations that could leach from the turf should be compared to the RWQCB Environmental Screening Levels for fresh water habitats. Again, for this screening, an estimate of the concentration that could leach from the turf should be obtained using SPLP extract analysis.