

ARB SUBMITTAL

CITY OF PALO ALTO

PUBLIC SAFETY BUILDING

250 Sherman Ave.

PROJECT DATA

Lot C6 - Proposed Public safety Building (250 Sherman)

Zoning designation:	PF
Land use designation:	Major Institutional Special Facility (MISP)
Maximum site coverage:	30%
Maximum FAR:	1:1
Maximum building height:	50'-0"; 35'-0" @ SW corner

Lot Area:	1.27 acres (55,164 sf)
Existing lot coverage:	Zero, the lot is undeveloped
Proposed lot coverage:	29.20%
Existing floor area ratio (FAR):	Zero the lot is undeveloped
Total floor area	45,400 - 48,000 sf
Proposed floor area ratio (FAR):	0.74
Building foot print:	17,208 sf
Site area:	55,164 sf
Proposed building height:	49 feet
Existing onsite parking:	155 Spaces
Required new onsite parking:	162 Spaces
Proposed new onsite parking:	1145 + (9 tandem) parking stalls
Existing easements	None

SITE LIGHTING PLAN	*ARB 07.03
SITE LIGHTING PLAN	*ARB 07.04
SITE LIGHTING PLAN	*ARB 07.05
AM	AMENDMENT
BUILDING ELEVATIONS - EAST	**ARB AM01
THE PEDESTRIAN SEATING & LANDSCAPING	**ARB AM02
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THE PEDESTRIAN "RIBBON" SEATING & LANDSCAPING	**ARB AM04
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LANDSCAPE PLANTING PLAN	**ARB AM08
LANDSCAPE PLANTING PLAN	**ARB AM09
LANDSCAPE STREET SECTIONS	**ARB AM10
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SITE / BUILDING SIGNAGE DIAGRAM	**ARB AM12
LOUVER OPERATION DIAGRAM	**ARB AM13

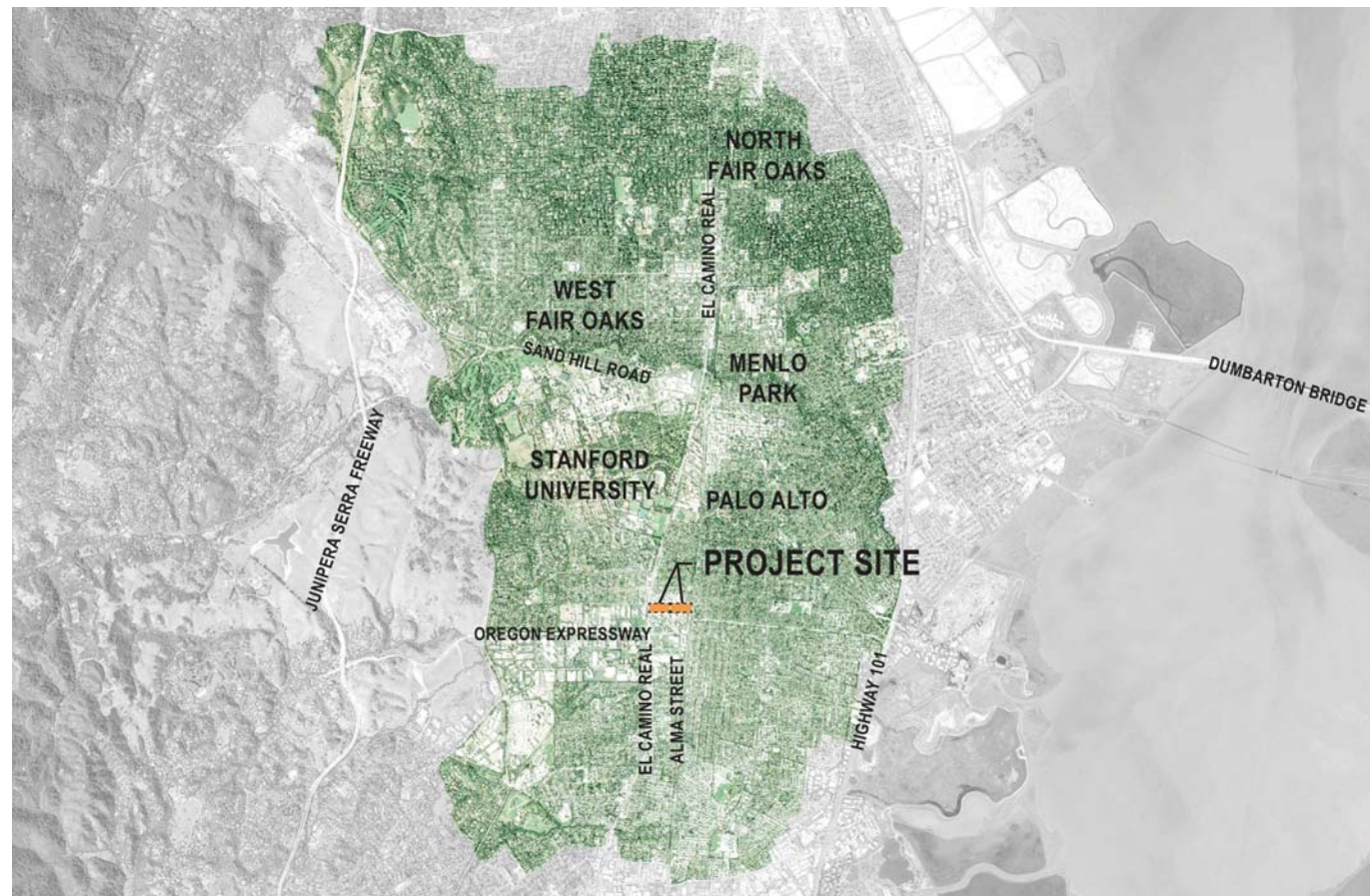
* Represents sheets that have been modified to respond to ARB Continuanace Items
 ** Represents new sheets that have been added to respond to the ARB Continuanace items



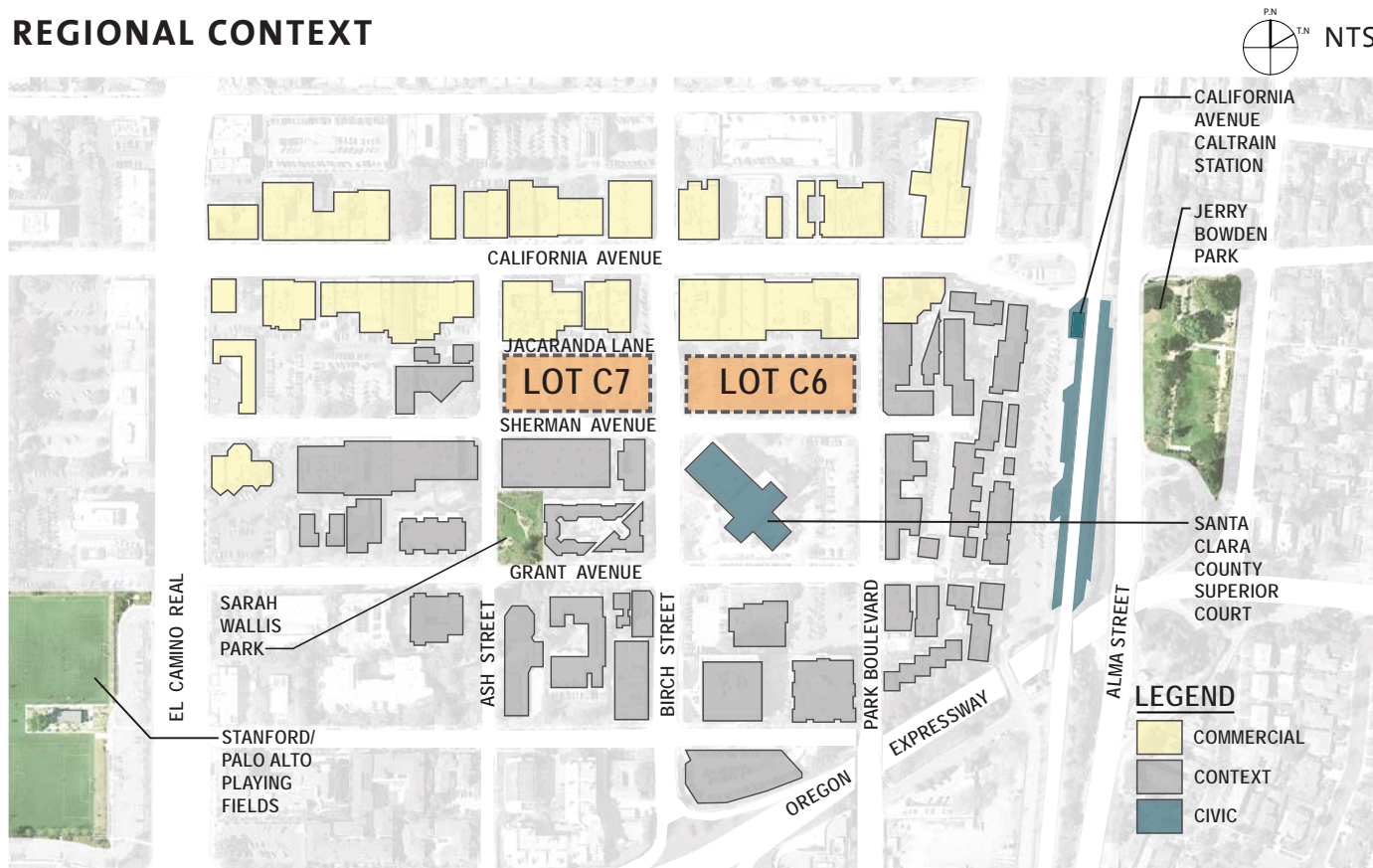
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COVER SHEET



REGIONAL CONTEXT



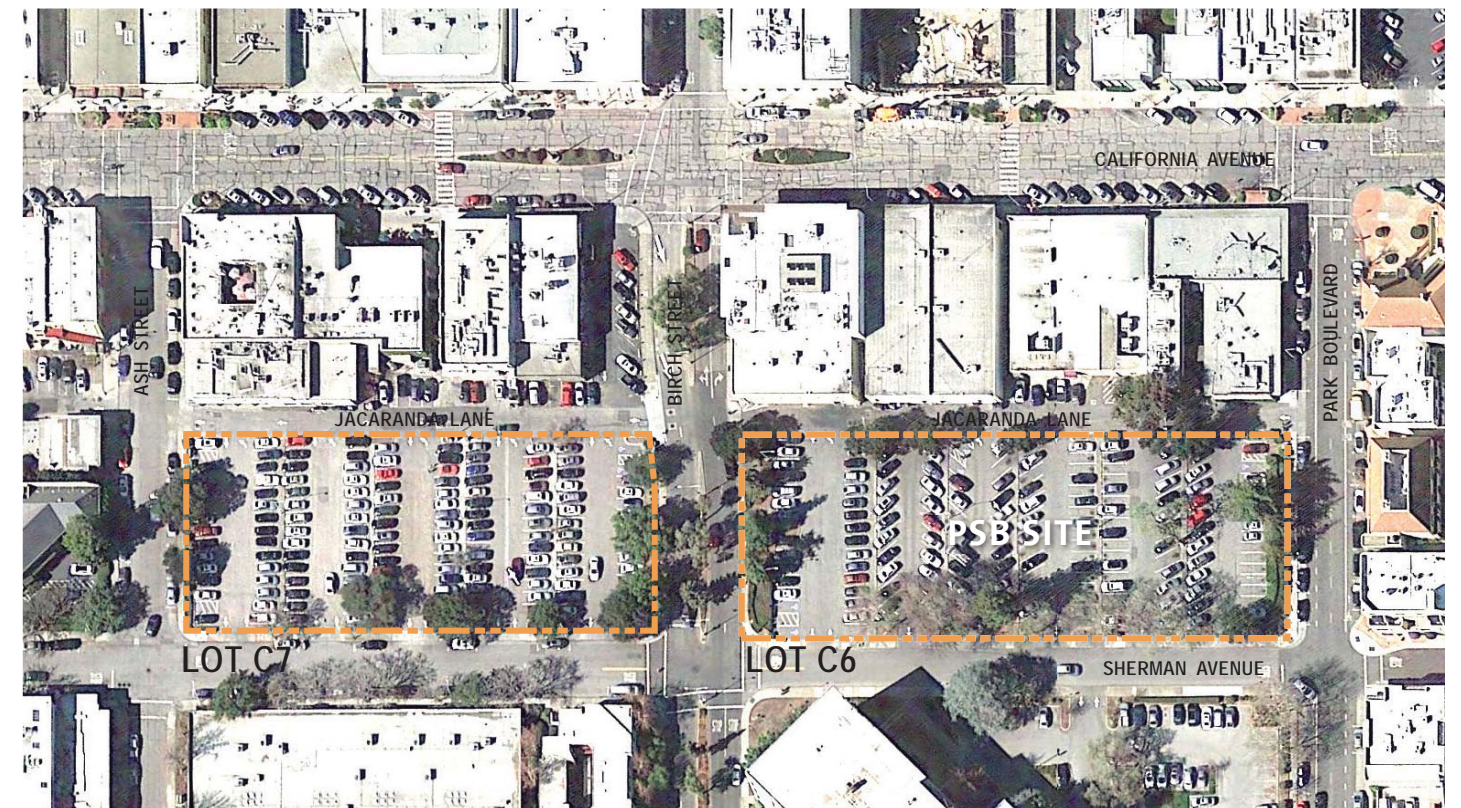
NEIGHBORHOOD CONTEXT

VICINITY MAPS

OVERVIEW

00

vicinity maps



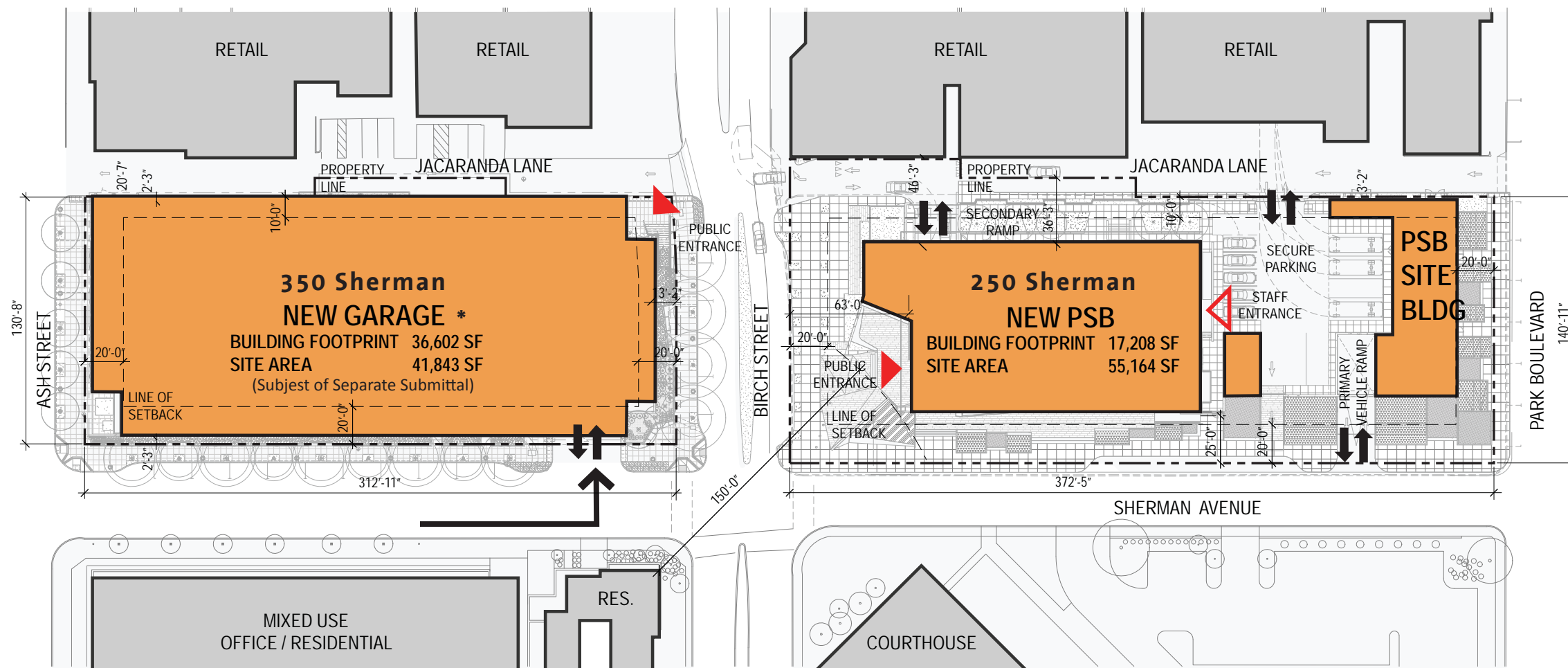
EXISTING SITE CONDITIONS

* INFORMATION OF PUBLIC GARAGE BUILDING PROJECT UNDER SEPERATE SUBMITTAL **ARB 00.02**

OVERVIEW

00

technical diagrammatic site plan



* INFORMATION OF PUBLIC GARAGE BUILDING PROJECT (350 SHERMAN) UNDER SEPERATE SUBMITTAL

PROJECT DATA

250 Sherman - Proposed Public Safety Building

Zoning designation:	PF
Land use designation:	Major Institutional Special Facility (MISP)
Maximum site coverage:	30%
Maximum FAR:	1:1
Maximum building height:	50'-0"; 35'-0" @ SW corner

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Site area:	55,164 sf
Proposed building height:	49 feet
Existing onsite parking:	155 Spaces
Required new onsite parking:	162 Spaces
Proposed new onsite parking:	145 + (9 tandem) parking stalls
Existing easements	None



ALLOWABLE SETBACKS (ZONE PF, BASED ON R-40)

JACARANDA LANE SIDE: 10' *
STREET SIDE: 20' *

*PF ZONE TEXT AMENDMENT FOR THE PUBLIC GARAGE IS IN PROGRESS TO ALLOWED FOR REDUCED SETBACKS.



KEY PLAN



TECHNICAL DIAGRAMMATIC SITE PLAN



1 VIEW OF LOT C6 FROM THE INTERSECTION OF SHERMAN & BIRCH STREETS

OVERVIEW

00

existing context photos
LOT C6



2 VIEW FROM LOT C6 - EAST



3 VIEW FROM LOT C6 - SOUTH



4 VIEW FROM LOT C6 - WEST

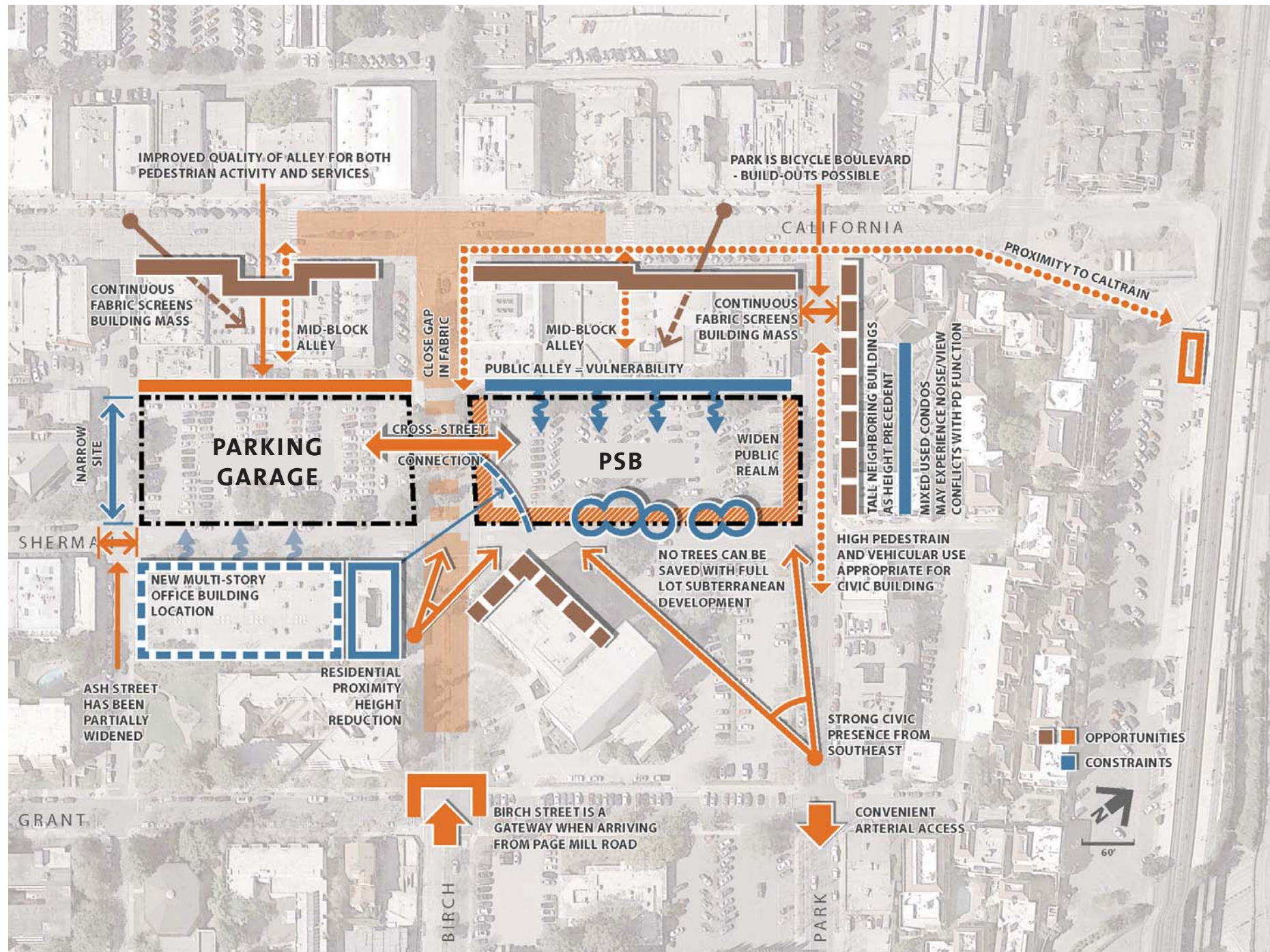


5 VIEW FROM LOT C6 - NORTH



KEY PLAN 

EXISTING CONTEXT PHOTOS - LOT C6



OVERVIEW

00

urban context overview

OPPORTUNITIES & CONSTRAINTS

* INFORMATION OF PUBLIC SAFETY BUILDING PROJECT (LOT C6) UNDER SEPERATE SUBMITTAL



COMPARATIVE HEIGHTS

URBAN CONTEXT OVERVIEW



KEY PLAN



CONCEPT

01

introduction

Public safety represents a diverse range of activities and responsibilities. The police and fire departments, along with the office of emergency management, oversee prevention, enforcement, rescue, outreach, education, monitoring, and a range of other critical activities. Public safety duties are dynamic, watchful, protective, engaged, helpful, serious, unpredictable.

Palo Alto's California Avenue neighborhood—the context for the City's new Public Safety Building (PSB)—boasts of a character equally diverse and fluid. The commercial and civic neighborhood conflates a plurality of styles, scales, eras and characteristics. Over-scale civic and office buildings abut fine-grain historic commercial fabric, right angles clash with diagonals, small local businesses stand national chains. The neighborhood defies singular characterization; it displays this diversity and vibrancy proudly.

The design for the new Palo Alto Public Safety Building draws inspiration from these diversities. It is a building with a plurality of characteristics—operational and symbolic—that weave together to create a dynamic, integrated, programmatically and contextually responsive civic building. In this project, the civic lies in the negotiation of difference and diversity. Eschewing hierarchy, this project lifts, gestures, embraces, opens, inflects, reaches and glows in a dynamic balance of multiple qualities.

ARCHITECTURAL CHARACTER & MASSING

RossDrulisCusenbery ARCHITECTURE

ARB 01.01

PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20



CONCEPT

01

** The two perspective views were revised to show design revisions to the glazing on the third floor. Modifications included setting back the glass/white-tile by 9" in some areas, and projecting the glass beyond the face of the tiles by 12" in other areas, for a net offset between surfaces of 21", and to create a visual shadow line. Driver: increase the visible articulation of the upper volume.*

revised*



revised*

ARCHITECTURAL CHARACTER & MASSING

RossDrulisCusenbery ARCHITECTURE

REVISED

ARB 01.02

PALO ALTO PUBLIC SAFETY BUILDING

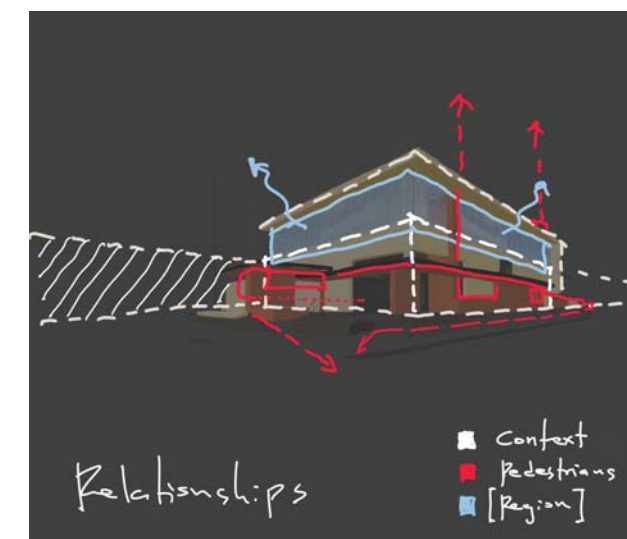
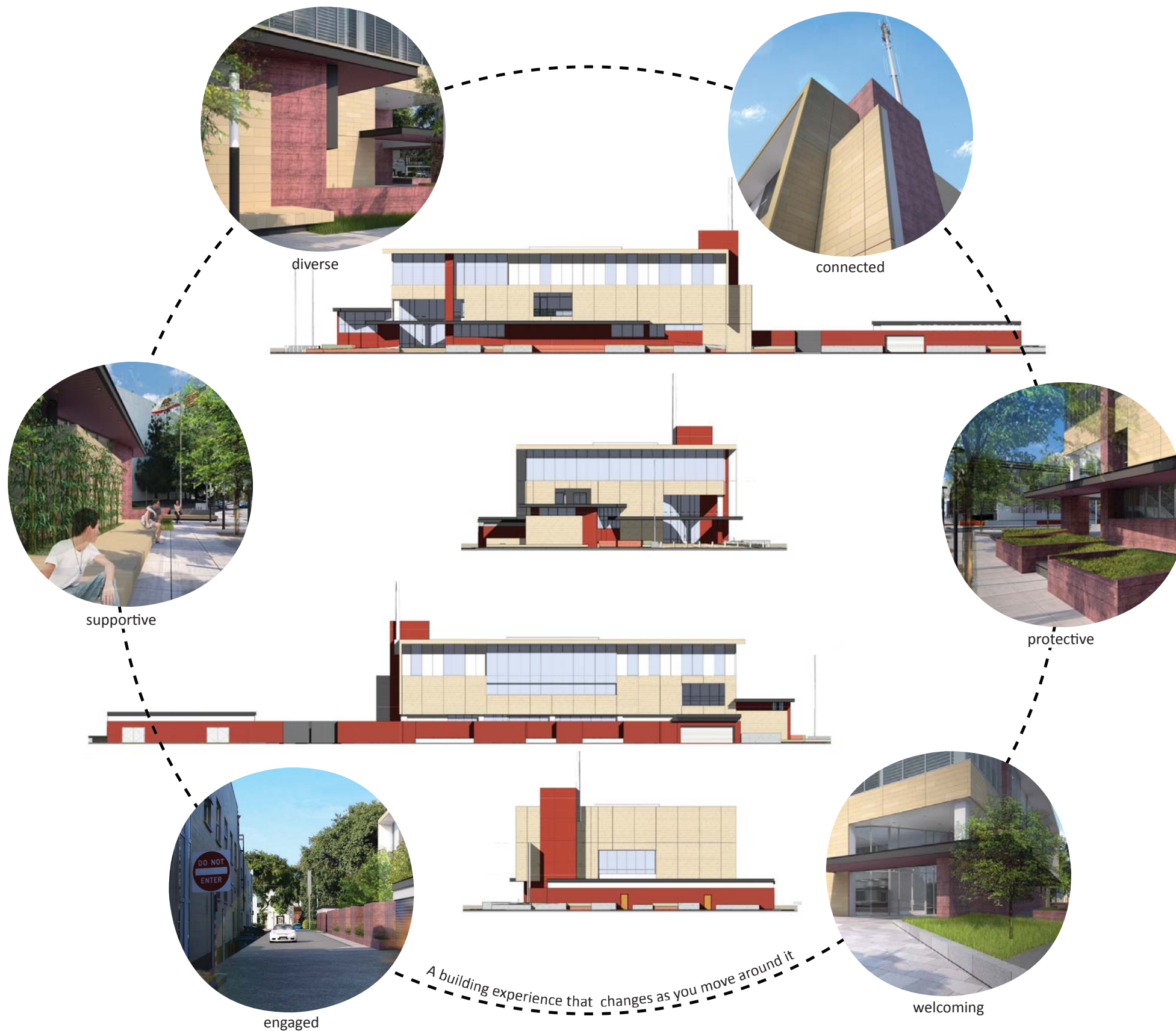
2018.09.20

CONCEPT

01

relationships

The new PSB is a composition of relationships. Warm materials and varied spaces weave together in a dynamic sequence of experiential vignettes. This building is the opposite of monolithic: relationships change continuously as one traverses the building. These interplays are intimate and pedestrian-scaled, accessible to touch and direct experience. The personality of the building emerges from these dynamic interplays, coasting from welcoming to protective, inviting, shady, comfortable, colorful, civic, generous, supportive, engaged, mysterious, firm.



CONCEPT DIAGRAMS

RossDrulisCusenbery ARCHITECTURE

ARB 01.03

PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20



CONCEPT

01

a composition of three

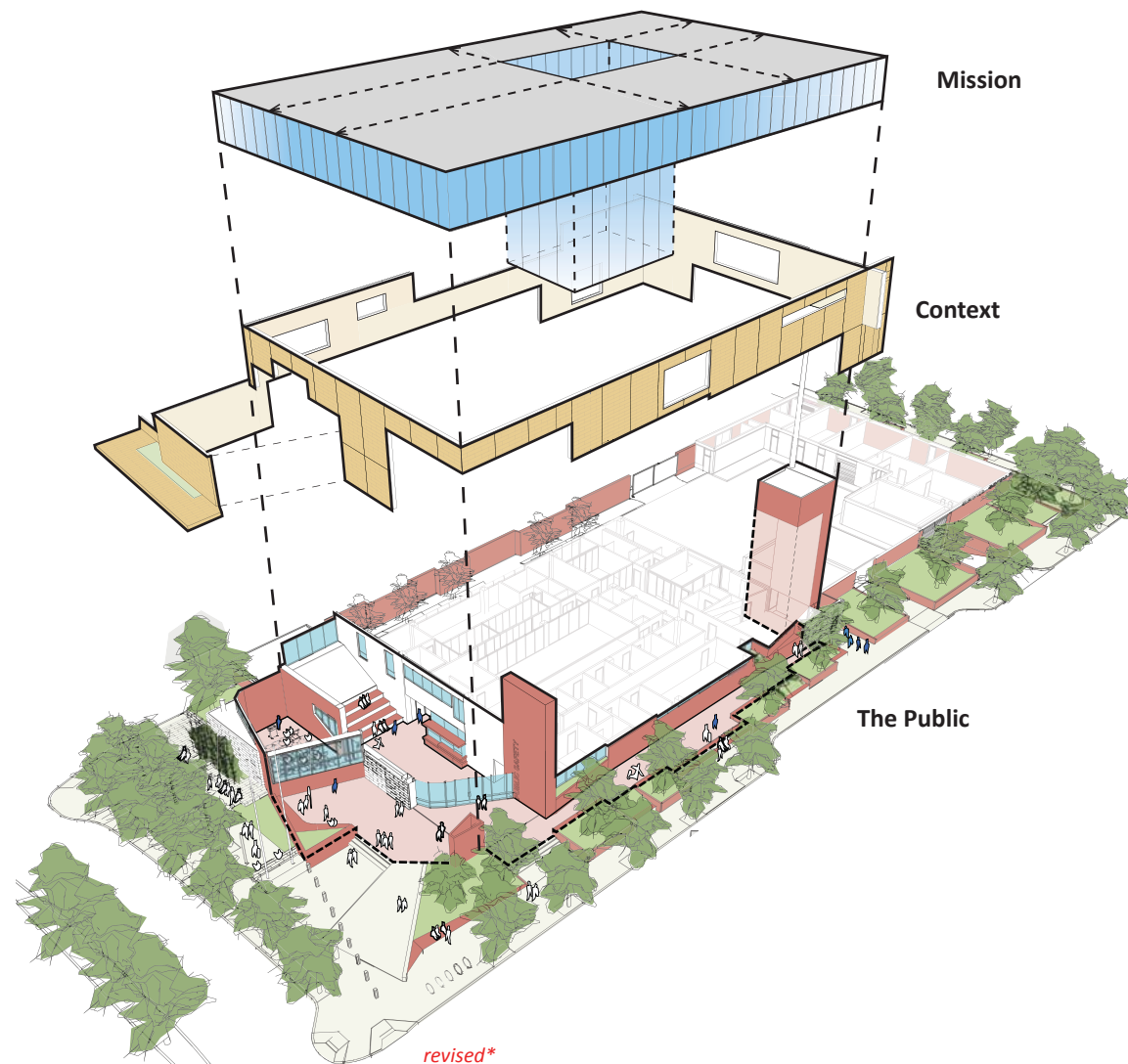
The varied building elements are distilled into three analogues: *Context*, *Mission*, and *The Public*. Each boasts its own unique material palette:

Context. The legacy and historic scale of the California Avenue neighborhood is important to acknowledge. By symbolically quoting the two-story scale with a stone-like volume, the PSB evokes this historic fabric and speaks directly to its neighbors. The sand-colored porcelain tile suggests gravity and permanence, evoking the legacy of the historic township of Mayfield.

Mission. The public safety mission is regional and expansive; in this design, the PSB mission is beacon and light. Clear glass and polished white porcelain—poised above the two-story sand-colored volume—reflect sky, glow at night.

The Public. The intimate experience of the individual weaves the project's elements together. An intimate, visceral terra-cotta tinted board-formed concrete building base inflects, and expands to support a pedestrian-scale topography of seating, canopies, landscaping, and protection. With vertical gestures and key symbolic junctures—the building entry, the communications tower—this terra-cotta realm provides a sense of belonging.

** The 3D exploded aerial diagram was revised to better represent the articulation in the two-story sand-colored volume.*



ARCHITECTURAL CHARACTER & MASSING

RossDrulisCusenbery ARCHITECTURE

REVISED

ARB 01.04

PALO ALTO PUBLIC SAFETY BUILDING

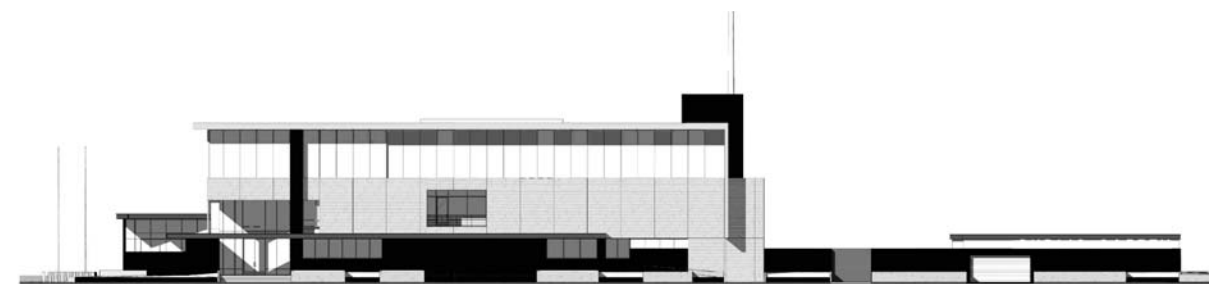
2018.09.20



CONCEPT

01

The dynamic composition of materials and spaces converge at the point of entry to the building. The context volume lifts, the beacon becomes transparent, and the terra-cotta realm reaches out to invite the public inside.



ARCHITECTURAL CHARACTER & MASSING

RossDrulisCusenbery ARCHITECTURE

ARB 01.05

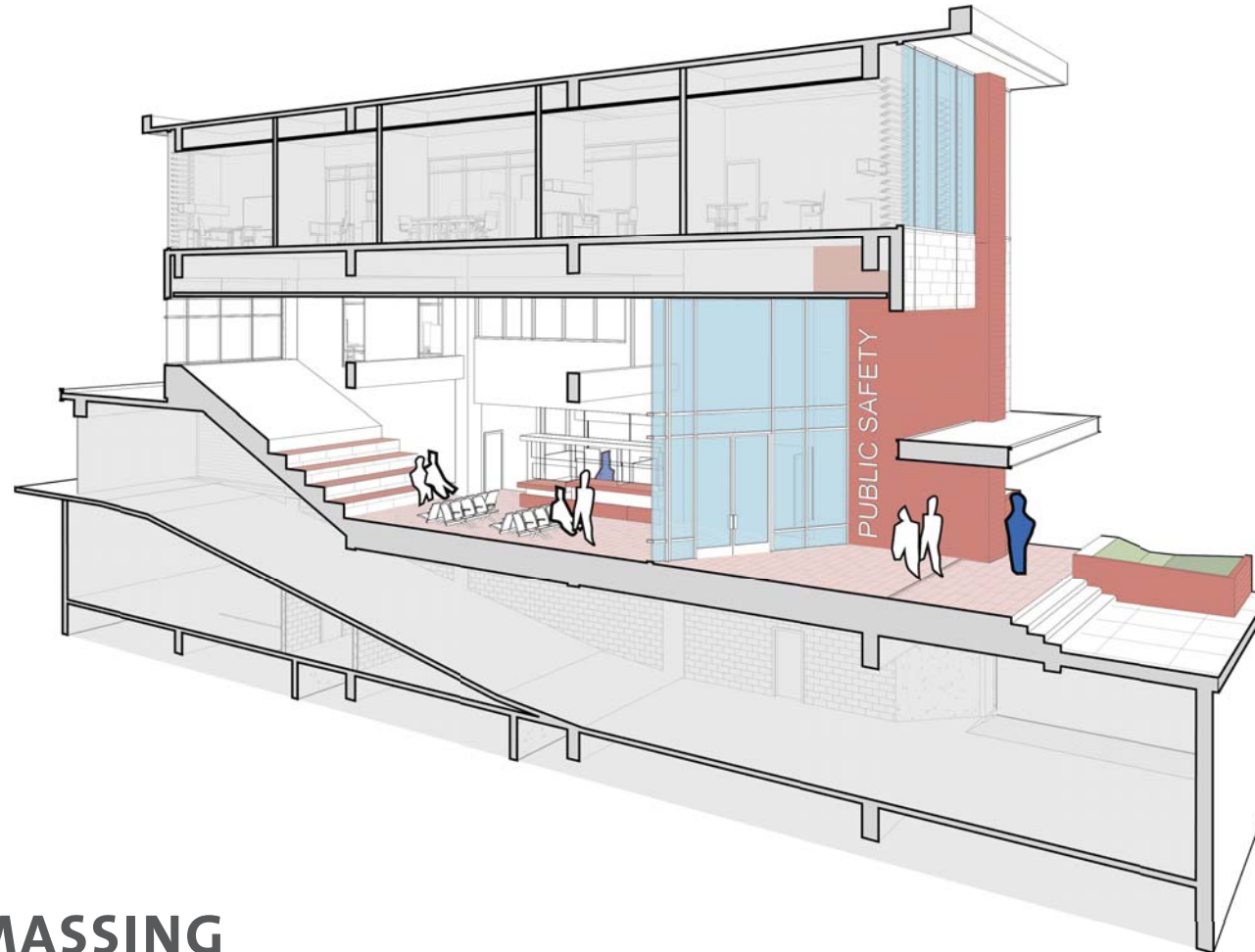
PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20



CONCEPT

01



ARCHITECTURAL CHARACTER & MASSING

RossDrulisCusenbery ARCHITECTURE

ARB 01.06

PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20



CONCEPT

01

CONCEPTUAL NIGHT VIEW (render to follow later)

RossDrulisCusenbery ARCHITECTURE

ARB 01.07

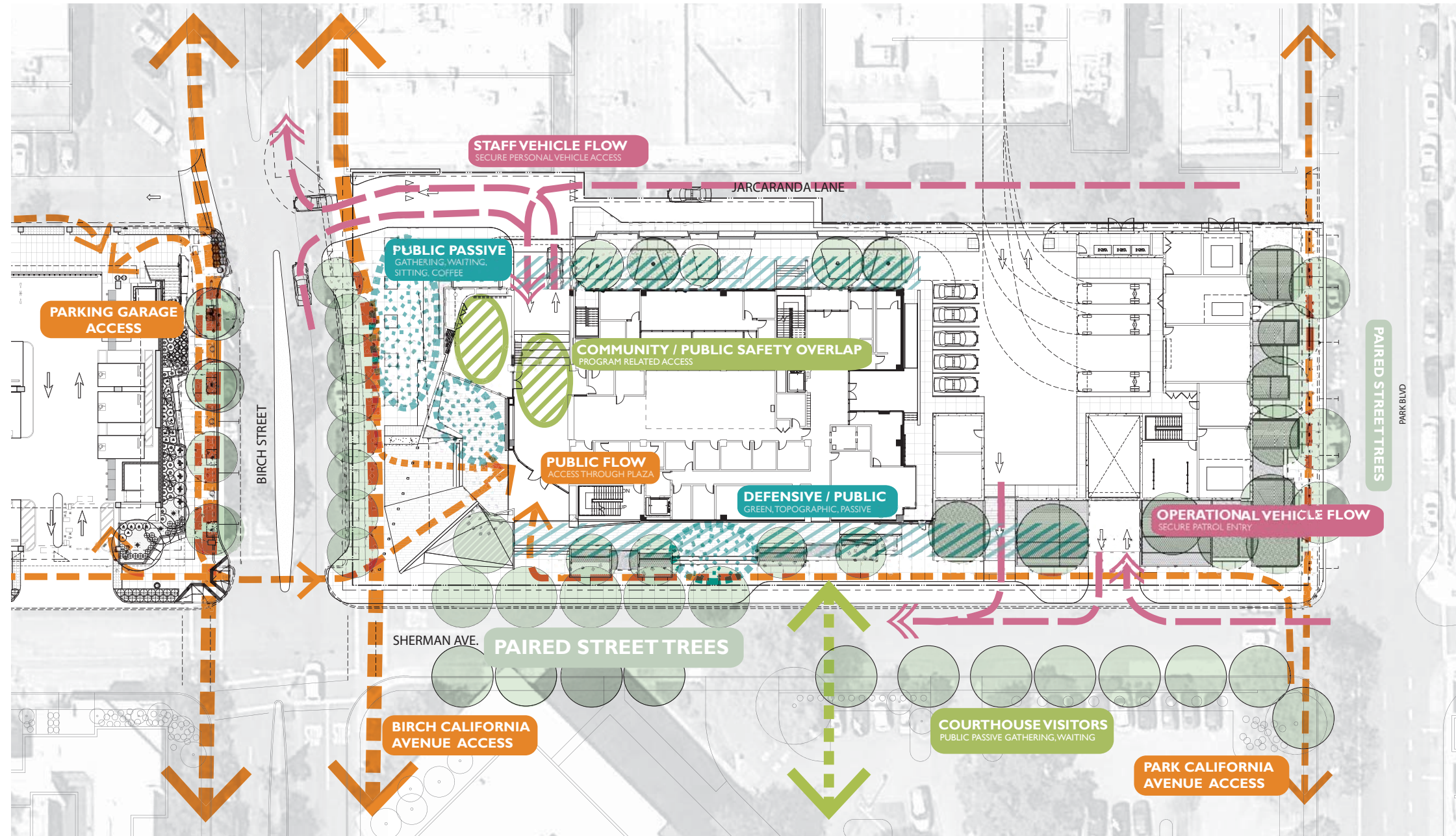
PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20

SITE DEVELOPMENT

02

site flow diagram



PROPOSED REALM DIAGRAM

URBAN CONTEXT OVERVIEW

SITE DEVELOPMENT

02

site plan

** This drawing was revised for the development of the Park Blvd. pedestrian environment, and to show more landscape/site-design information.*



PN TN NTS
revised*

ILLUSTRATIVE SITE PLAN

RossDrulisCusenbery ARCHITECTURE INTERSTICE ARCHITECTS

REVISED

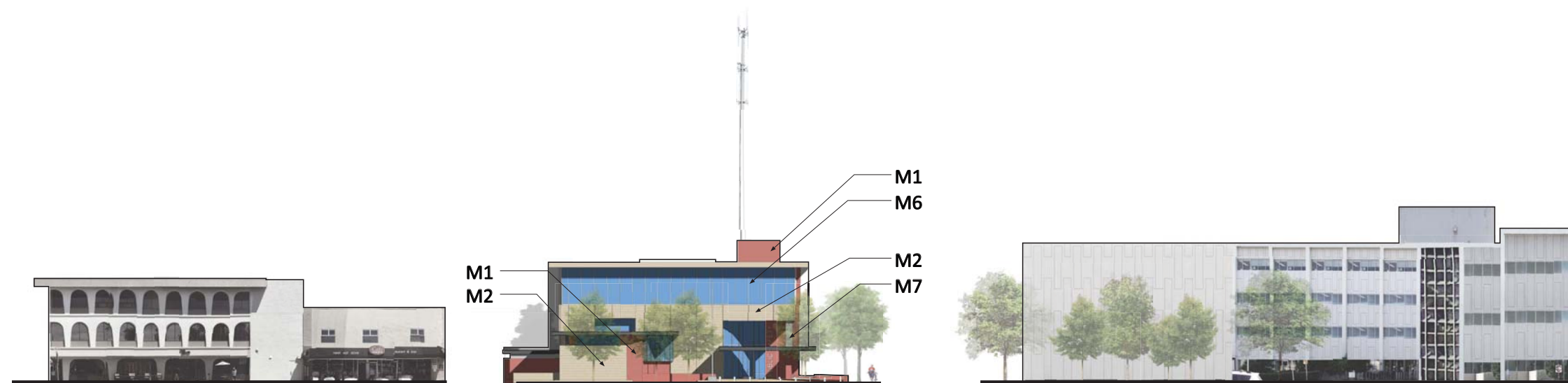
ARB 02.02

PALO ALTO PUBLIC SAFETY BUILDING

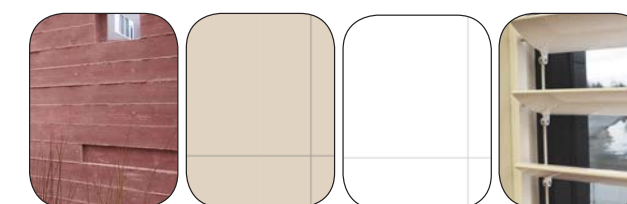
2018.09.20

MATERIAL RELATIONSHIPS

03
building elevations



WEST ELEVATION -- ALONG BIRCH STREET

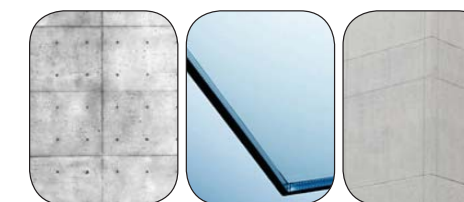


M1
Tinted Readymix
Cast-In-Place Con-
crete w/ Board
Formliner. Color: TerraCotta

M2
Porcelain Tile Veneer
on Precast Concrete
Panel (Color: Sand.
Finish: Matte)

M3
Porcelain Tile Veneer
on Precast Concrete
Panel (Color: White.
Finish: Polished)

M4
Aluminum Aerofoil
Louvers Interior



M5
Cast-in-Place
Concrete (Finish:
Smooth)

M6
Bird Safe Glazing

M7
Acrylic Modified
Portland Cement
Plaster

BUILDING ELEVATIONS - WEST



SOUTH ELEVATION -- ALONG SHERMAN AVE.


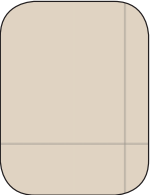

MATERIAL RELATIONSHIPS

03
building elevations

** This drawing was revised to show: 1) addition of new requested window in tile volume @ locker rooms; 2) insets/projections of at Level 03; 3) more detailed/developed tile pattern on sand-colored volume.*



BUILDING ELEVATIONS - SOUTH

			
M1 Tinted Ready Mix Cast-In-Place Con- crete w/ Board Formliner. Color: Ter- raCotta	M2 Porcelain Tile Veneer on Precast Concrete Panel (Color: Sand. Finish: Matte)	M3 Porcelain Tile Veneer on Precast Concrete Panel (Color: White. Finish: Polished)	M4 Aluminum Aerofoil Louvers Interior
			
M5 Cast-in-Place Concrete (Finish: Smooth)	M6 Bird Safe Glazing	M7 Acrylic Modified Portland Cement Plaster	

revised*

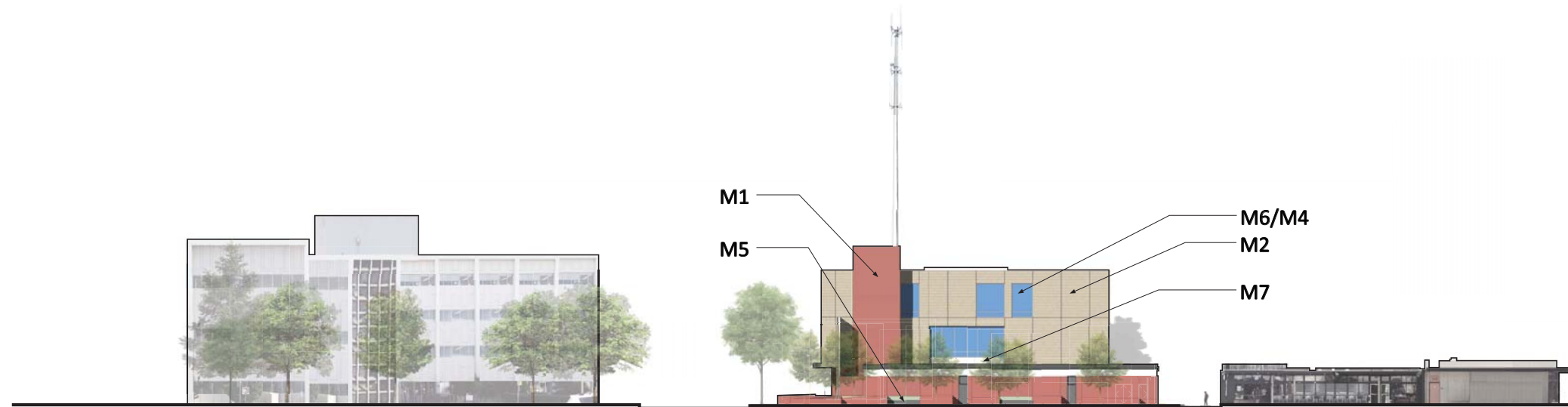
REVISED

ARB 03.02

MATERIAL RELATIONSHIPS

03

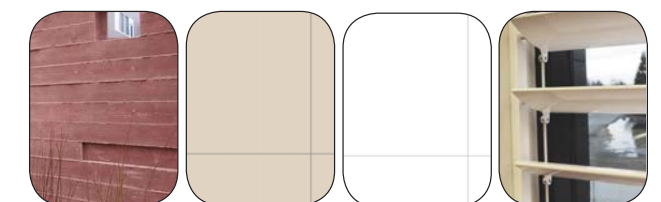
building elevations



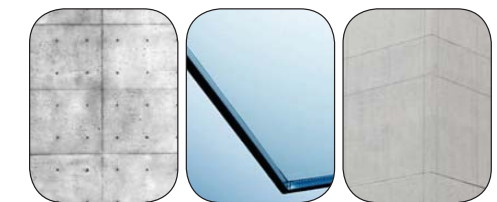
EAST ELEVATION -- ALONG PARK BLVD



BUILDING ELEVATIONS - EAST



M1 Tinted Readymix Cast-In-Place Concrete w/ Board Formliner. Color: TerraCotta
M2 Porcelain Tile Veneer on Precast Concrete Panel (Color: Sand. Finish: Matte)
M3 Porcelain Tile Veneer on Precast Concrete Panel (Color: White. Finish: Polished)
M4 Aluminum Aerofoil Louvers Interior



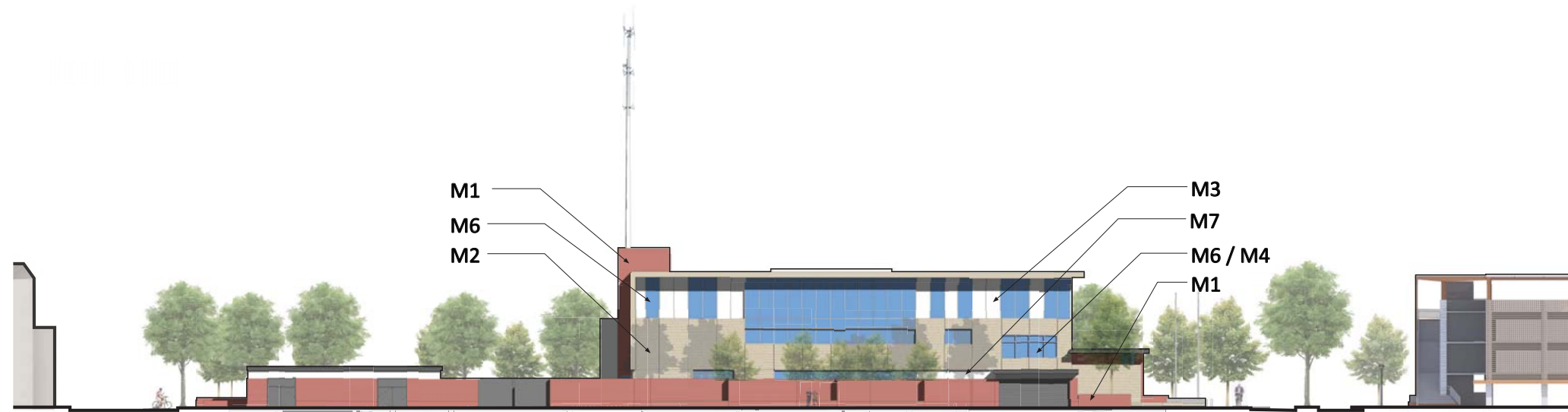
M5 Cast-in-Place Concrete (Finish: Smooth)
M6 Bird Safe Glazing
M7 Acrylic Modified Portland Cement Plaster

MATERIAL RELATIONSHIPS

03

building elevations

** This drawing was revised to show: 1) alignment adjustments to the Jacaranda elevation to account for how it's viewed from neighboring paseo; 2) insets/projections of at Level 03; 3) more detailed/developed tile pattern on sand-colored volume.*

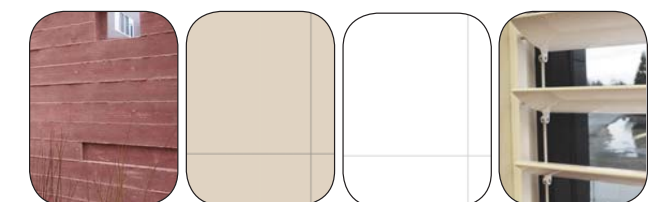


NORTH ELEVATION -- ALONG JACARANDA LANE

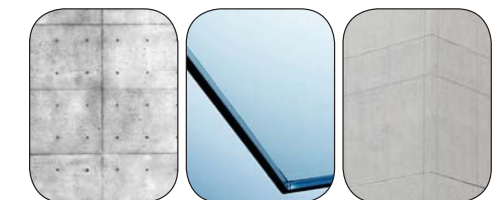


BUILDING ELEVATIONS - NORTH

revised*



- M1**
Tinted Readymix Cast-In-Place Concrete w/ Board Formliner. Color: TerraCotta
- M2**
Porcelain Tile Veneer on Precast Concrete Panel (Color: Sand. Finish: Matte)
- M3**
Porcelain Tile Veneer on Precast Concrete Panel (Color: White. Finish: Polished)
- M4**
Aluminum Aerofoil Louvers Interior



- M5**
Cast-in-Place Concrete (Finish: Smooth)
- M6**
Bird Safe Glazing
- M7**
Acrylic Modified Portland Cement Plaster

REVISED

ARB 03.04

LANDSCAPE

04

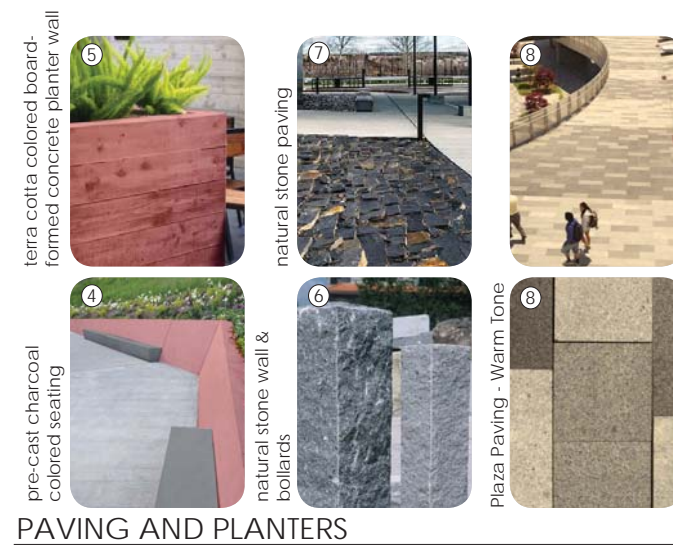
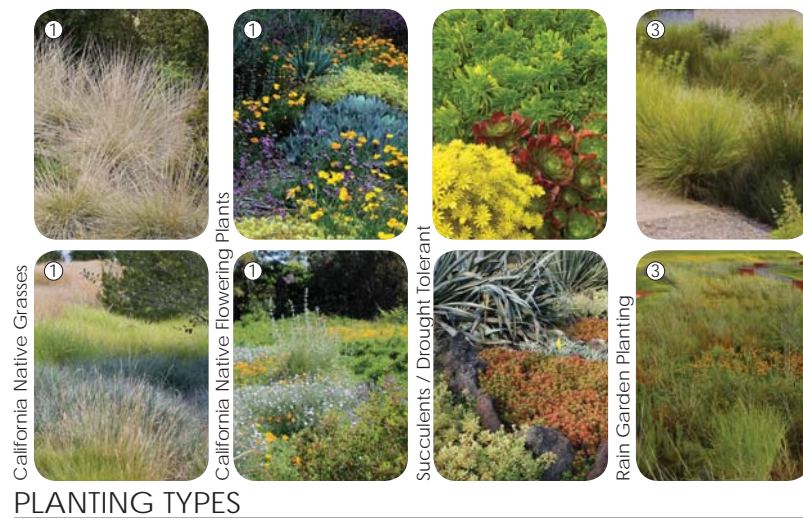
enlarged site plan

* This drawing was revised to show: 1) refinements to the pedestrian streetscape/seating design at Park Blvd; 2) additional site design information.



LEGEND

- ① CA NATIVE/ADAPTED PALETTE
- ② NOT USED
- ③ STORM WATER PLANTING
- ④ PRE-CAST SEATING
- ⑤ CIP CONC. RAISED PLANTER
- ⑥ NATURAL STONE WALL & BOLLARDS
- ⑦ NATURAL STONE PAVING
- ⑧ WARM TONE UNIT PAVING
- ⑨ NOT USED
- ⑩ ARMREST/SKATE STOP @ BENCH
- ⑪ PEDESTRIAN SIDEWALK LIGHTING
- ⑫ PLAZA LIGHTING
- ⑬ BIKE PARKING
- ⑭ TRASH & RECYCLING
- ⑮ FLAG POLES
- ⑯ PROPOSED TREES
- ⑰ GRAVEL MULCH @ TREE WELL
- ⑱ TACTILE WARNING PAVERS
- ⑲ BIKE REPAIR STATION

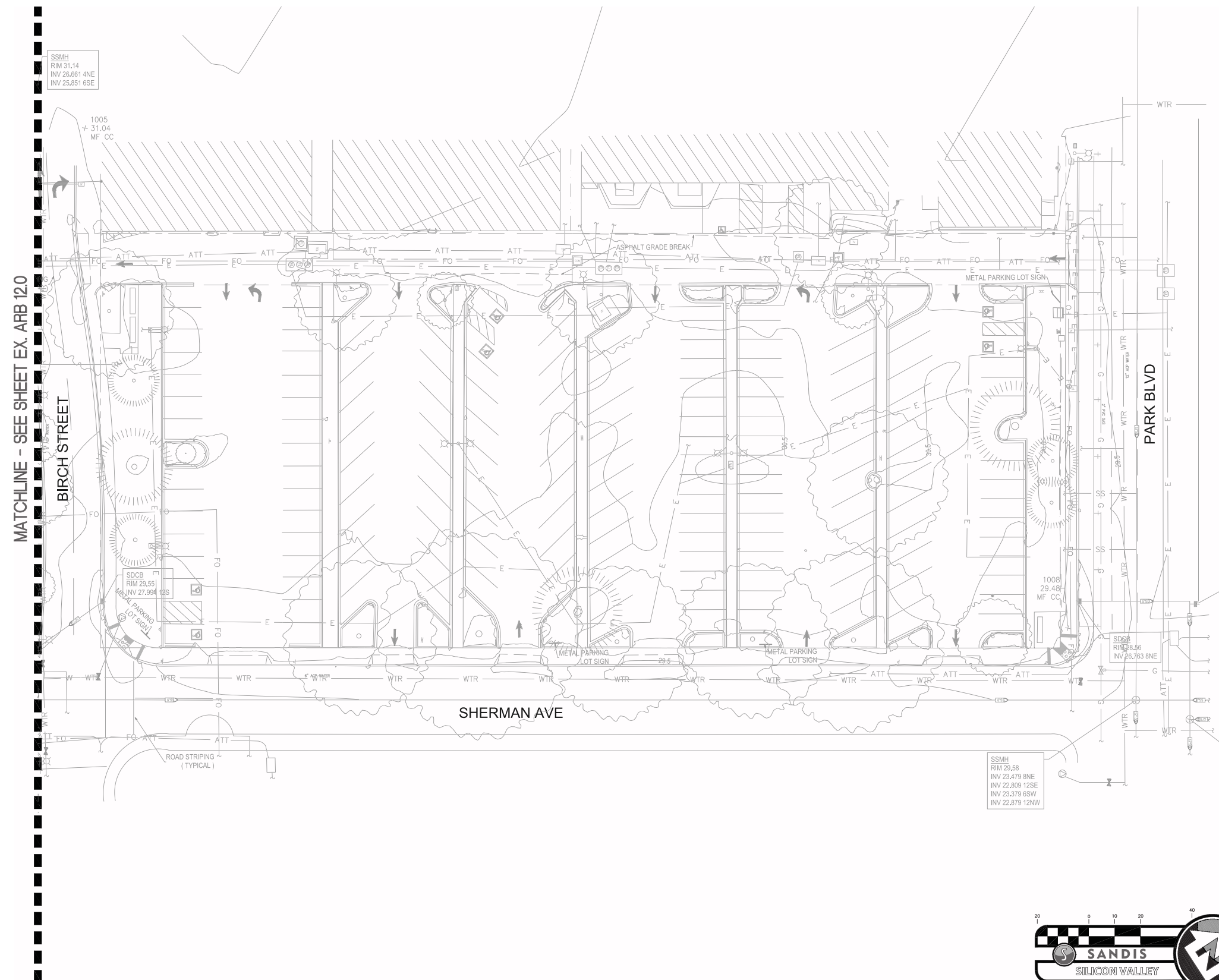


SITE CHARACTERISTICS - PUBLIC SAFETY BUILDING

PLAN RELATIONSHIPS

05

existing civil site plan



LEGEND

EXISTING	
SANITARY SEWER MAIN	8" SS
STORM DRAIN MAIN	12" SD
PERFORATED PIPE	
WATER MAIN	6" W
FIRE WATER	FW
GAS LINE	G
CAP AND PLUG END	
ELECTRIC AND SIGNAL DUCT BANK	E
COMMUNICATIONS LINE	C
WATER METER	W
WATER VALVE	WV
SANITARY SEWER MANHOLE	SSMO
SANITARY SEWER CLEANOUT	SSCO
STORM SEWER MANHOLE	SMO
STORM SEWER AREA DRAIN	SDA
STORM SEWER INLET	SDI
STORM SEWER CLEANOUT	SDCO

SURVEY NOTES

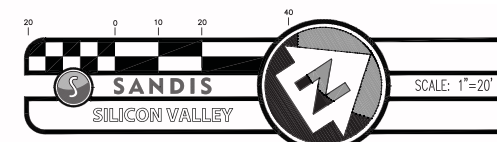
- EXISTING TOPOGRAPHIC SURVEY INFORMATION SHOWN HEREON IS BASED UPON TOPOGRAPHIC SURVEYS COMPLETED BY SIEGFRIED, UNDER THE DIRECTION OF LASZLO ZOLD, PLS 8247.
- CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION AND REPORT BACK TO CIVIL ENGINEER ANY DISCREPANCIES WITH PLAN PRIOR TO COMMENCEMENT OF WORK.
- TREE LOCATIONS SHOWN HEREON ARE SHOWN SYMBOLICALLY WITH SYMBOL SIZES BASED UPON TRUNK DIAMETER AT CHEST HEIGHT, AT THE LOCATION WHERE THE TREE ENTERS THE GROUND SURFACE. LOCATIONS AND SIZES OF TREE TRUNKS CAN ONLY BE CONSIDERED APPROXIMATE UNLESS OTHERWISE STATED ON THE MAP.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE LINE BETWEEN SET CONTROL POINT MONUMENT 1525 AND 1526 SHOWN HEREON. THE BEARING BEING $n48^{\circ}53'39''W$.

BENCHMARK

THE BENCHMARK FOR THIS SURVEY IS A CHISELED SQUARE IN THE TOP OF CURB AT THE NW RETURN OF THE NW CORNER OF EL CAMINO REAL AND SHERIDAN AVENUE, CITY BENCHMARK #2079 (ELEVATION 33.08) PER THE CITY OF PALO ALTO SECONDARY VERTICAL CONTROL DATA BENCHMARK LIST. THE DATUM IS NGVD 29.



EXISTING CIVIL SITE PLAN

RossDrulisCusenbery ARCHITECTURE

ARB 05.01

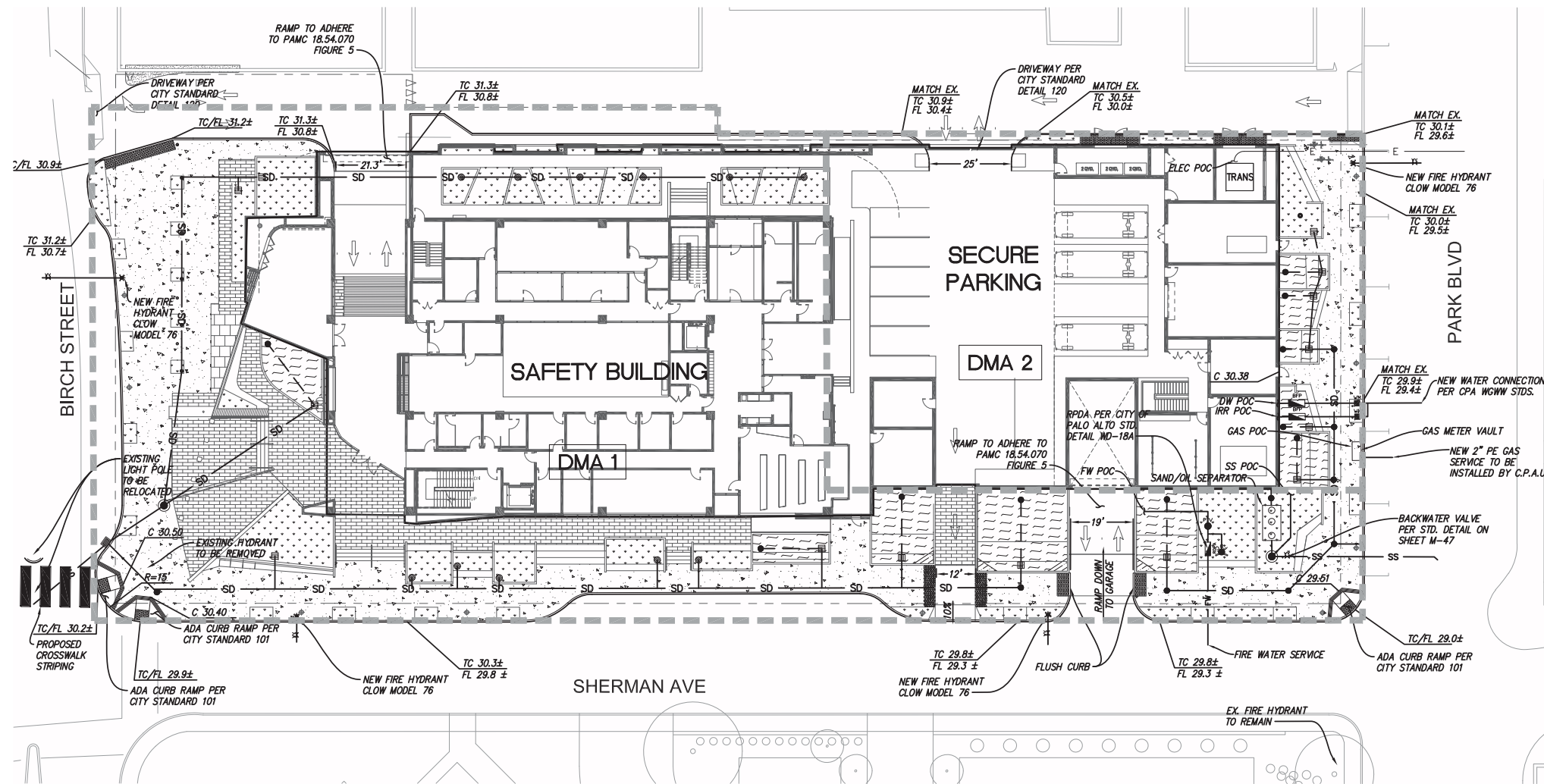
PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20

PLAN RELATIONSHIPS

05

civil site plan

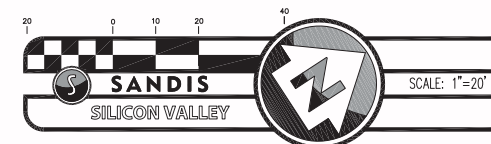


LEGEND

PROPERTY LINE	---	EXISTING	PROPOSED
CONCRETE SIDEWALK	[Pattern]	6" SS	SS
PLANTING, SEE LANDSCAPE PLANS FOR DETAILS	[Pattern]	12" SD	SD
BIO-TREATMENT AREA	[Pattern]	PERFORATED PIPE	---
PAVER TYPE I	[Pattern]	6" W	W
PAVER TYPE II	[Pattern]	FIRE WATER	FW
CLEAR SIGHT TRIANGLE	[Symbol]	GAS LINE	G
DRAINAGE AREA BOUNDARY	---	CAP AND PLUG END]
SANITARY SEWER MAIN	---	ELECTRIC AND SIGNAL DUCT BANK	E
STORM DRAIN MAIN	---	COMMUNICATIONS LINE	C
PERFORATED PIPE	---	WATER METER	[Symbol]
WATER MAIN	---	WATER VALVE	[Symbol]
FIRE WATER	---	SANITARY SEWER MANHOLE	[Symbol]
GAS LINE	---	SANITARY SEWER CLEANOUT	[Symbol]
CAP AND PLUG END]	STORM SEWER MANHOLE	[Symbol]
ELECTRIC AND SIGNAL DUCT BANK	E	STORM SEWER AREA DRAIN	[Symbol]
COMMUNICATIONS LINE	C	STORM SEWER INLET	[Symbol]
WATER METER	[Symbol]	STORM SEWER CLEANOUT	[Symbol]
WATER VALVE	[Symbol]	FIRE HYDRANT	[Symbol]
SANITARY SEWER MANHOLE	[Symbol]		
SANITARY SEWER CLEANOUT	[Symbol]		
STORM SEWER MANHOLE	[Symbol]		
STORM SEWER AREA DRAIN	[Symbol]		
STORM SEWER INLET	[Symbol]		
STORM SEWER CLEANOUT	[Symbol]		
FIRE HYDRANT	[Symbol]		

NOTES

- PROVIDE POSITIVE SURFACE DRAINAGE AWAY FROM ALL STRUCTURES BY SLOPING ALL HARDSCAPE SURFACES AT 2% AND LANDSCAPE SURFACES AT 5% AWAY FROM STRUCTURES UNLESS OTHERWISE NOTED ON PLANS.
- GRADING SHALL BE IN CONFORMANCE WITH THE GEOTECHNICAL REPORT.
- COORDINATE THE PLACEMENT OF ALL SLEEVES FOR LANDSCAPE IRRIGATION (WATER AND CONTROL WIRING) AND SITE LIGHTING PRIOR TO THE PLACEMENT OF ANY ASPHALT, BASECOURSE OR CONCRETE SURFACING. SEE LANDSCAPING AND SITE ELECTRICAL DRAWINGS.
- ROUGH GRADING TO BE WITHIN 0.1' AND FINISH GRADES ARE TO BE WITHIN 0.05'; HOWEVER CONTRACTOR SHALL NOT CONSTRUCT ANY IMPROVEMENTS THAT WILL CAUSE WATER TO POND OR NOT MEET REQUIREMENTS IN GRADING NOTE #1 OR THE ADA REQUIREMENTS BELOW. DO NOT ADJUST GRADES ON THIS PLAN WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER/ARCHITECT.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO CONFORM TO THE LINES, GRADES, SECTIONS, AND DIMENSIONS AS SET FORTH ON THESE PLANS. ALL GRADED AREAS SHALL CONFORM TO THE VERTICAL ELEVATIONS SHOWN WITH A TOLERANCE OF ONE-TENTH OF A FOOT, WHERE GRADED AREAS DO NOT CONFORM TO THESE TOLERANCES, THE CONTRACTORS SHALL BE REQUIRED TO DO CORRECTIVE GRADING, AT NO EXTRA COST TO THE CLIENT/OWNER.
- APPLICANT AND CONTRACTOR WILL BE RESPONSIBLE FOR RESURFACING PORTIONS OF SHERMAN, BIRCH AND/OR PARK BASED THE ROADWAY SURFACE CONDITION AFTER PROJECT COMPLETION AND LIMITS OF TRENCH WORK, AT A MINIMUM PAVEMENT RESURFACING OF THE FULL WIDTH OF THE STREET ALONG THE PROJECT FRONTAGE MAY BE REQUIRED.
- AREAS LACKING TOPOGRAPHIC INFORMATION (ELEVATIONS) HAVE BEEN INTERPOLATED USING STANDARD ENGINEERING METHODS. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS AT CONFORMS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND REPORT BACK ANY DISCREPANCIES TO THE CIVIL ENGINEER.
- ADJUST ANY MANHOLE OR UTILITY STRUCTURES TO PROPOSED GRADE PRIOR TO INSTALLING FINAL LIFT OF AC OR POURING CONCRETE.
- UTILITIES TO BE REMOVED SHALL BE DEMOLISHED TO THE PUBLIC MAIN PER CPA W/WW STDS.
- PRIOR TO WORKING IN AN AREA THAT REQUIRES TREE PROTECTION, URBAN FORESTRY SHALL BE CONTACTED AT 650-496-5953.
- ALL WORK ON CPAU GAS SYSTEM TO BE PERFORMED BY CPAU.



Drainage Area	TOTAL AREA		IMPERVIOUS AREA		PERVIOUS AREA		Percent Impervious	Treatment Area Required (sf)	Treatment Control Method	Treatment Provided (sf)
	sq. ft.	Ac.	sq. ft.	Ac.	sq. ft.	Ac.				
Bioretention Treatment (4% Rule Sizing)										
DMA-1	40,991	0.94	34,853	0.80	6,138	0.14	85.0%	1,394	BRA	2,010
DMA-2	17,613	0.40	16,383	0.38	1,230	0.03	93.0%	655	BRA	771
TOTAL	58,604	1.35	51,236	1.18	7,368	0.17	87.4%	2,049	BRA	2,781

EARTHWORK QUANTITIES

CUT 45,900 CY
 FILL 0 CY
 BALANCE 45,900 CY EXPORT

THE EARTHWORK QUANTITIES SHOWN ARE PROVIDED FOR THE PURPOSE OF GRADING PERMIT APPROVAL ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CARRY OUT THE CUT/FILL, IMPORT/EXPORT AS NECESSARY TO MEET THE DESIGN GRADES AS SHOWN ON THE PLANS REGARDLESS OF THE ESTIMATED EARTHWORK QUANTITIES AS INDICATED. SIGNIFICANT REVISIONS TO THE QUANTITIES NEED REVIEW BY THE CITY OF PALO ALTO.

CIVIL SITE PLAN

RossDrulisCusenbery ARCHITECTURE

REVISED

ARB 05.02

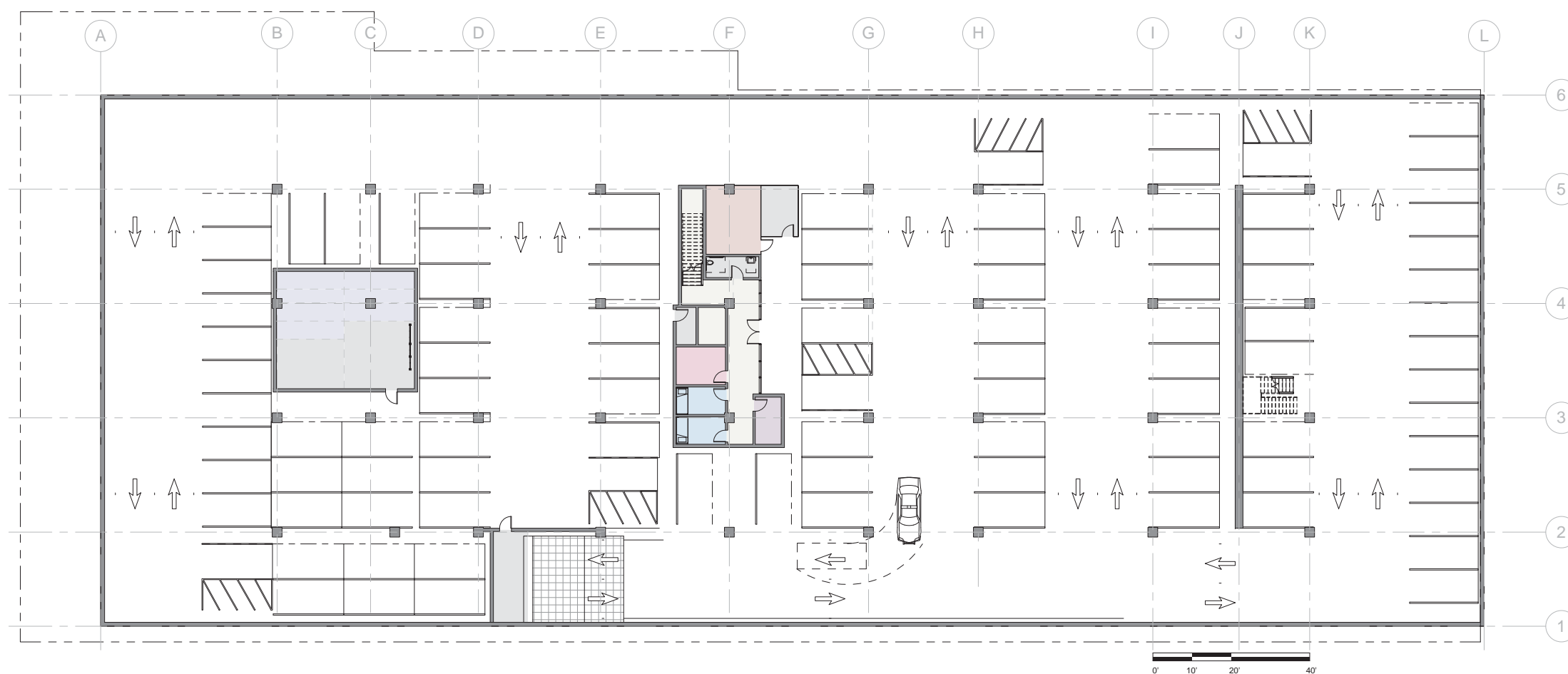
PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20

PLAN RELATIONSHIPS

05

floor plans



FLOOR PLAN - B2 FLOOR

RossDrulisCusenbery ARCHITECTURE

ARB 05.03

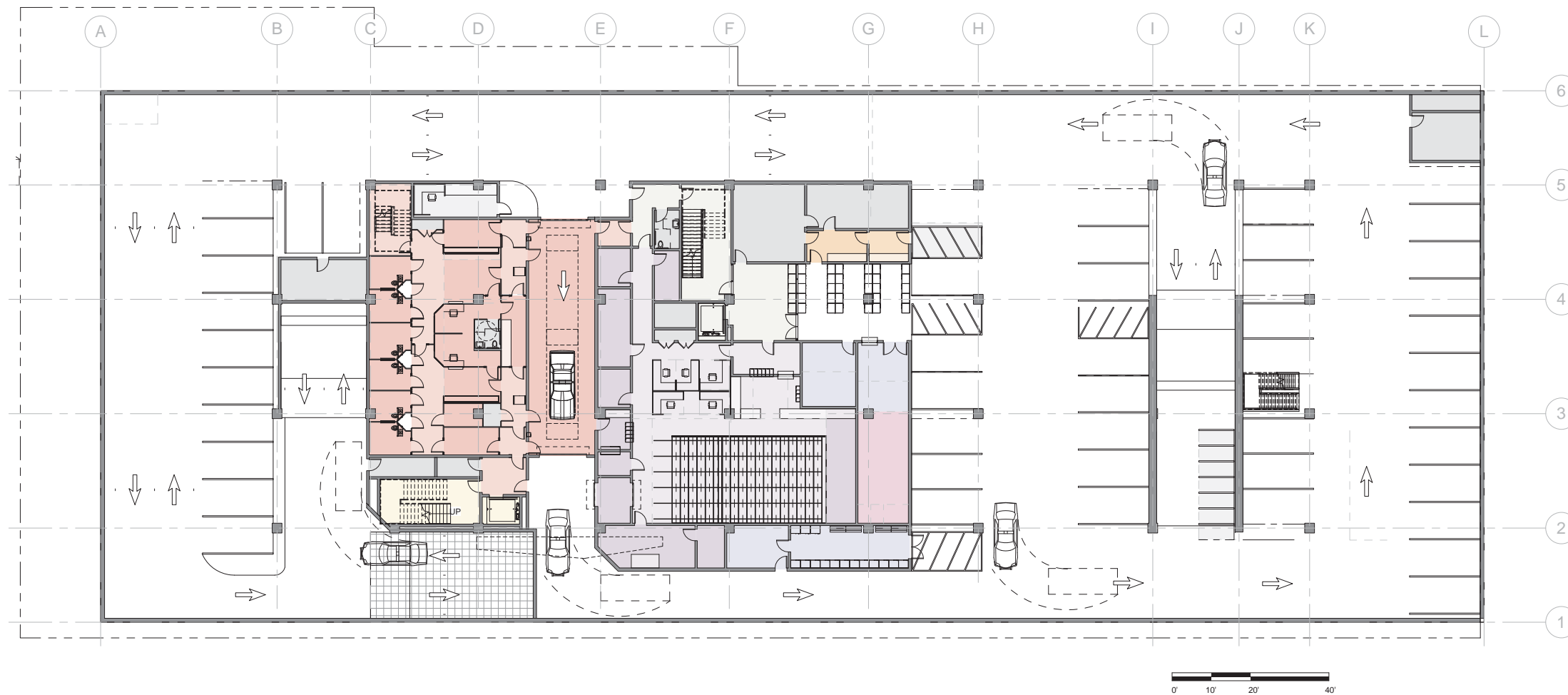
PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20

PLAN RELATIONSHIPS

05

floor plans



FLOOR PLAN - B1 FLOOR

RossDrulisCusenbery ARCHITECTURE

ARB 05.04

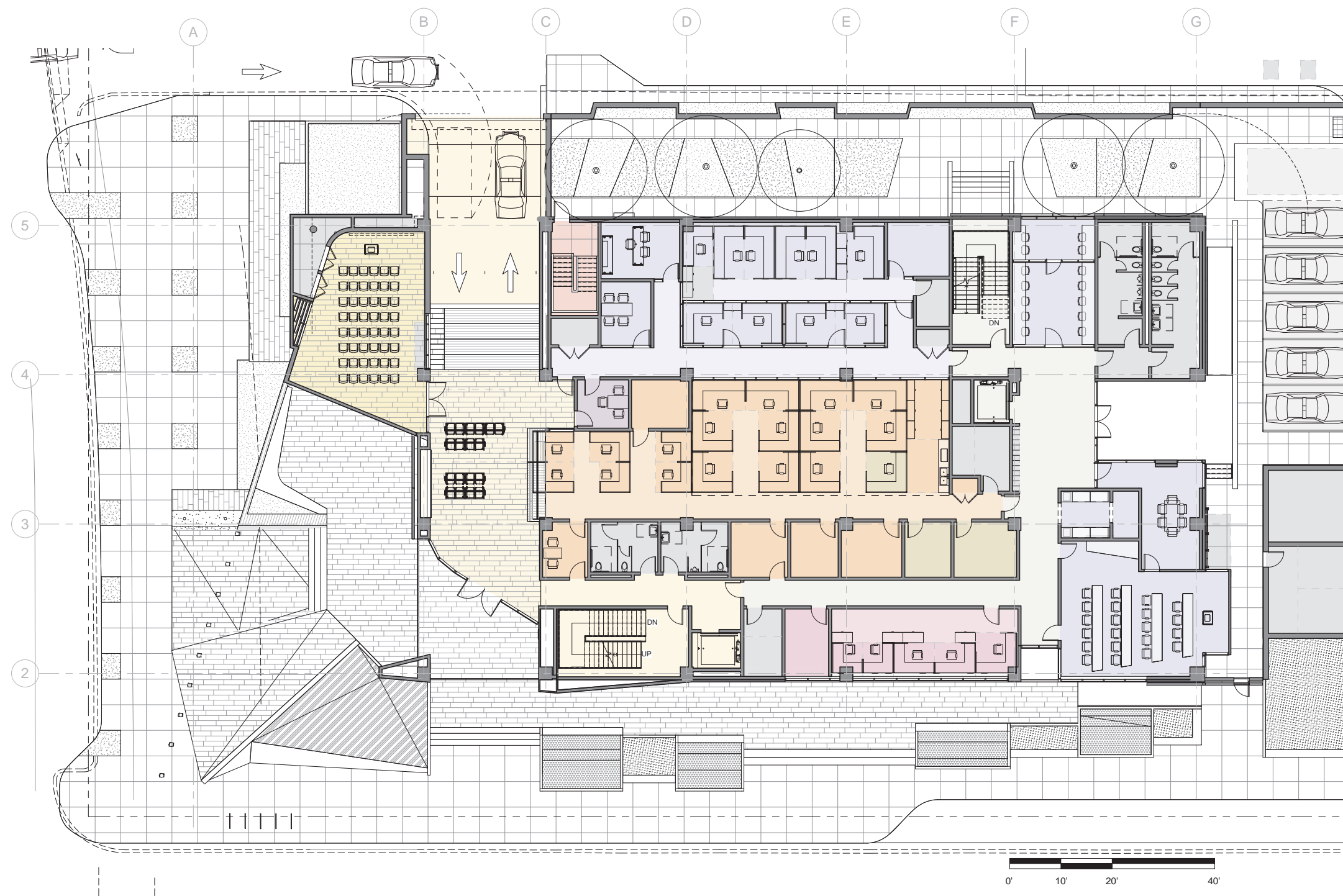
PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20

PLAN RELATIONSHIPS

05

floor plans



FLOOR PLAN - 1ST FLOOR

RossDrulisCusenbery ARCHITECTURE

ARB 05.05

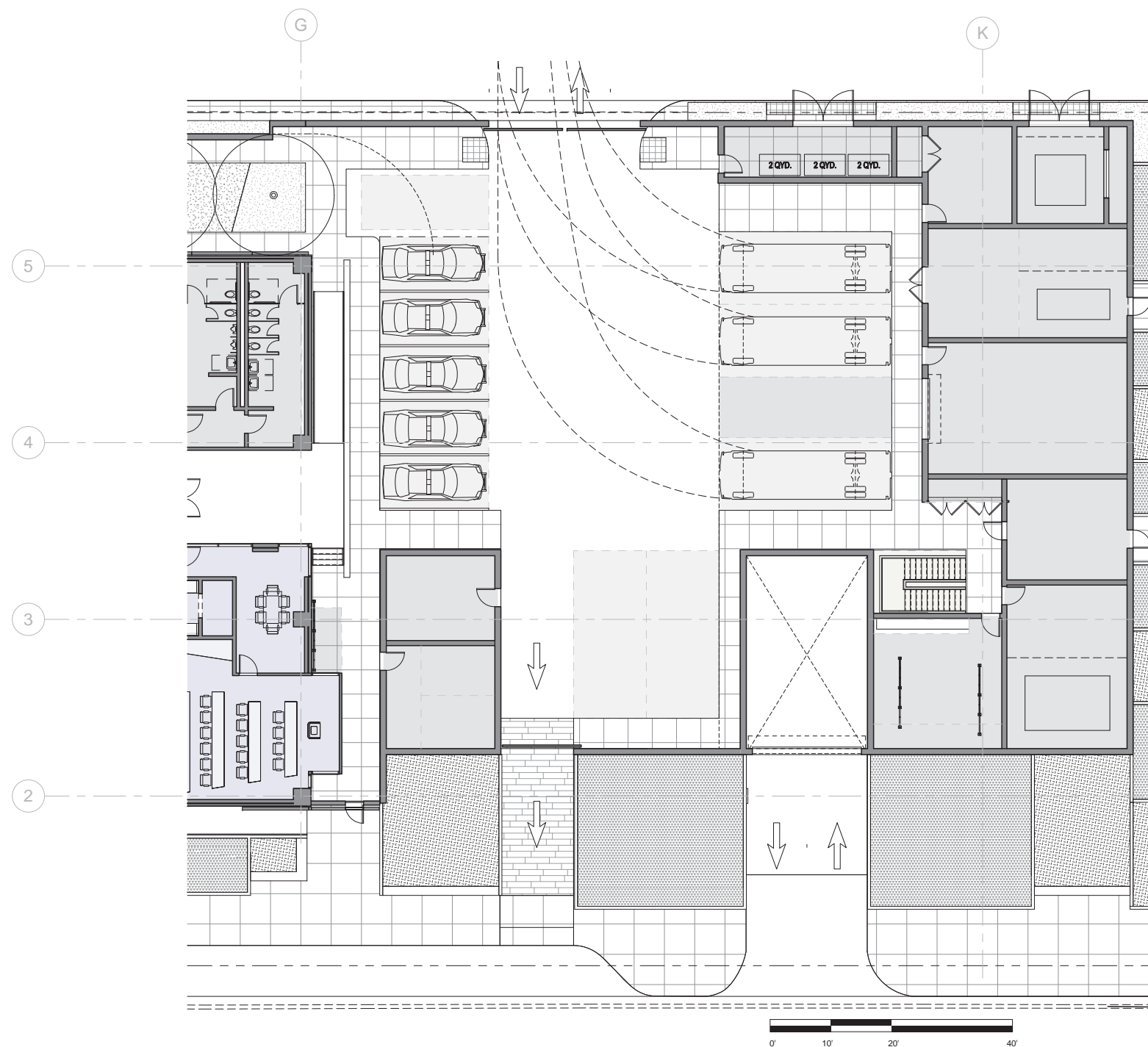
PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20

PLAN RELATIONSHIPS

05

floor plans



FLOOR PLAN - 1ST FLOOR (UTILITY YARD)

RossDrulisCusenbery ARCHITECTURE

ARB 05.06

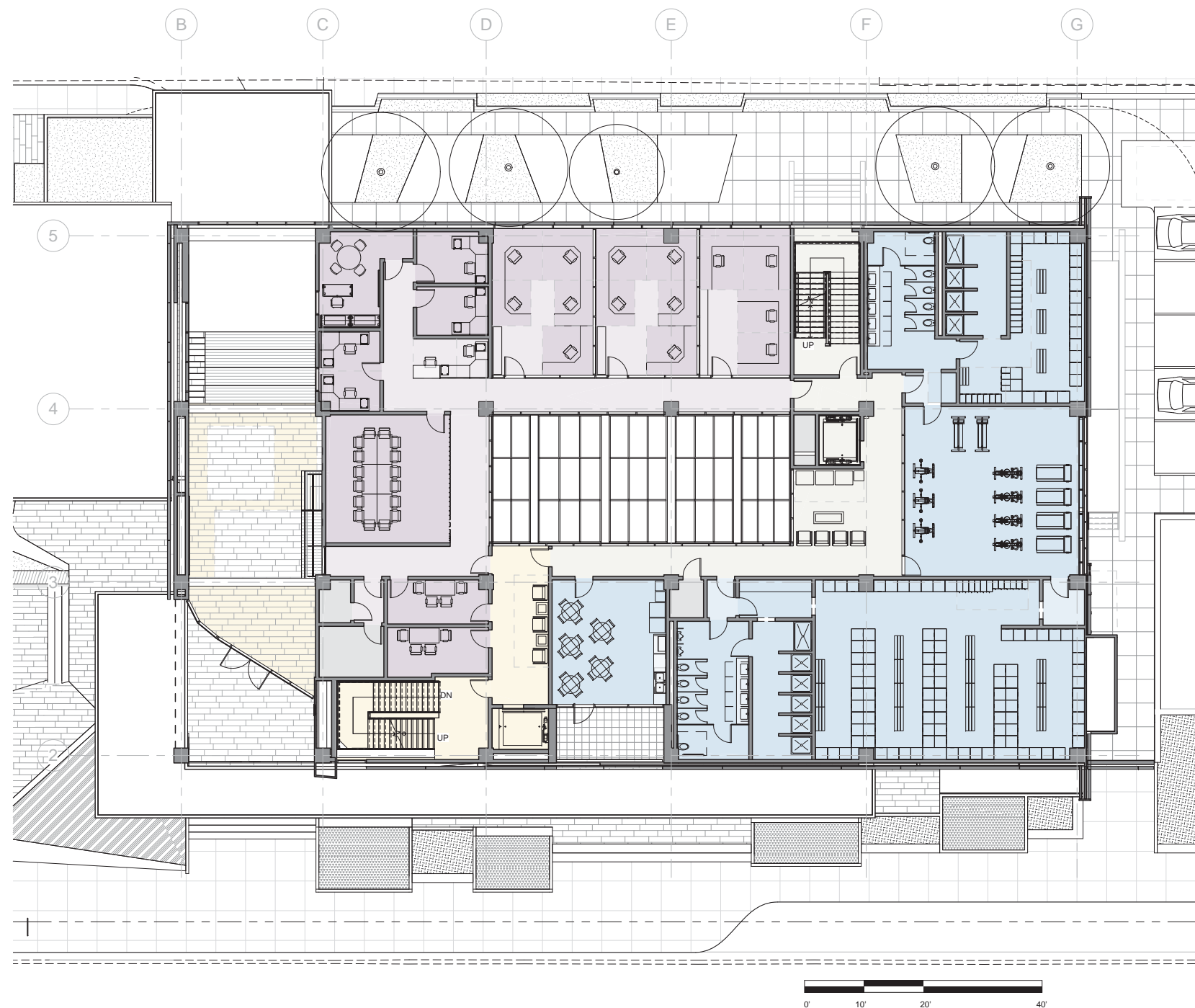
PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20

PLAN RELATIONSHIPS

05

floor plans



FLOOR PLAN - 2ND FLOOR

RossDrulisCusenbery ARCHITECTURE

ARB 05.07

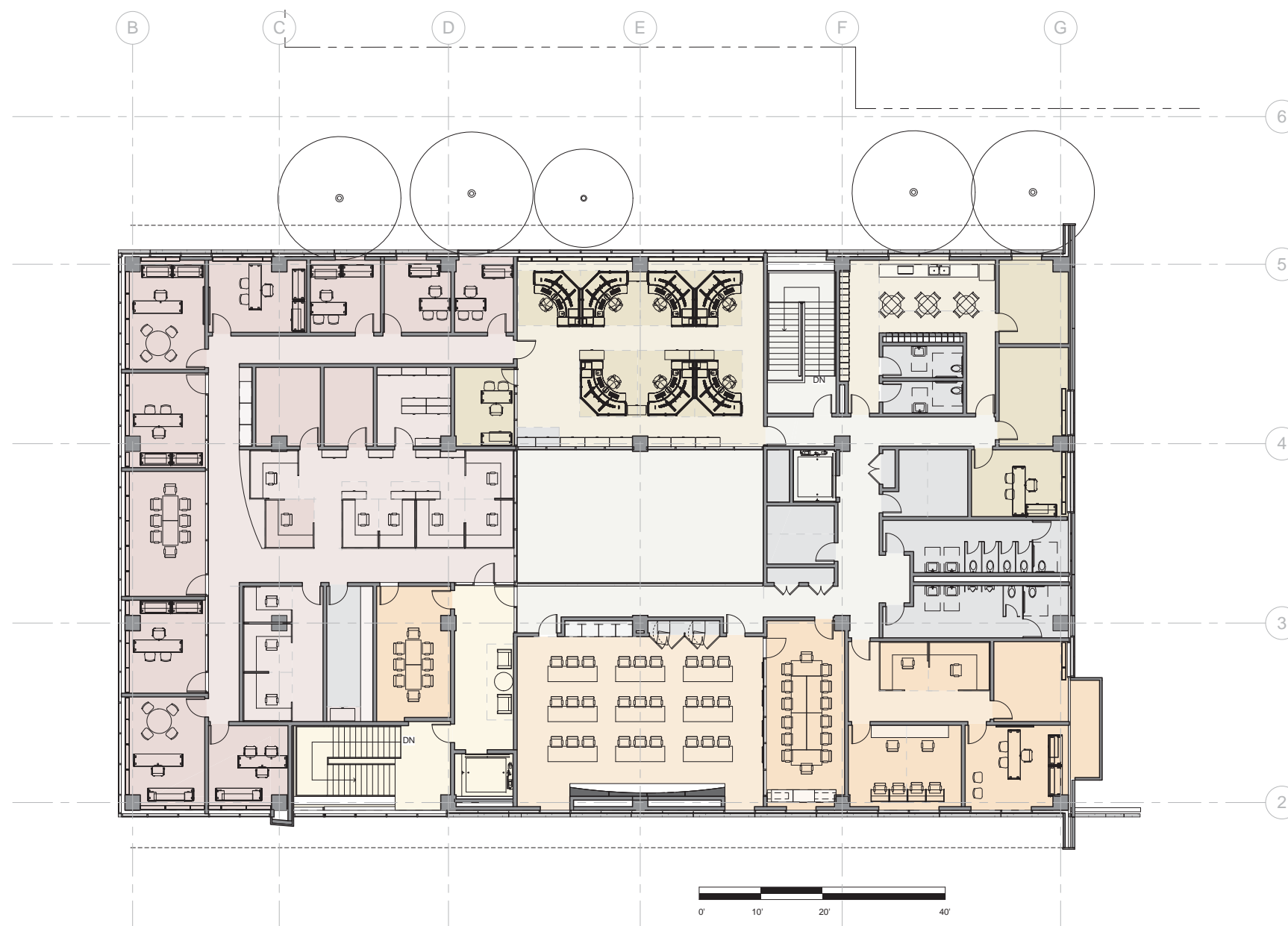
PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20

PLAN RELATIONSHIPS

05

floor plans



FLOOR PLAN - 3RD FLOOR

RossDrulisCusenbery ARCHITECTURE

ARB 05.08

PALO ALTO PUBLIC SAFETY BUILDING

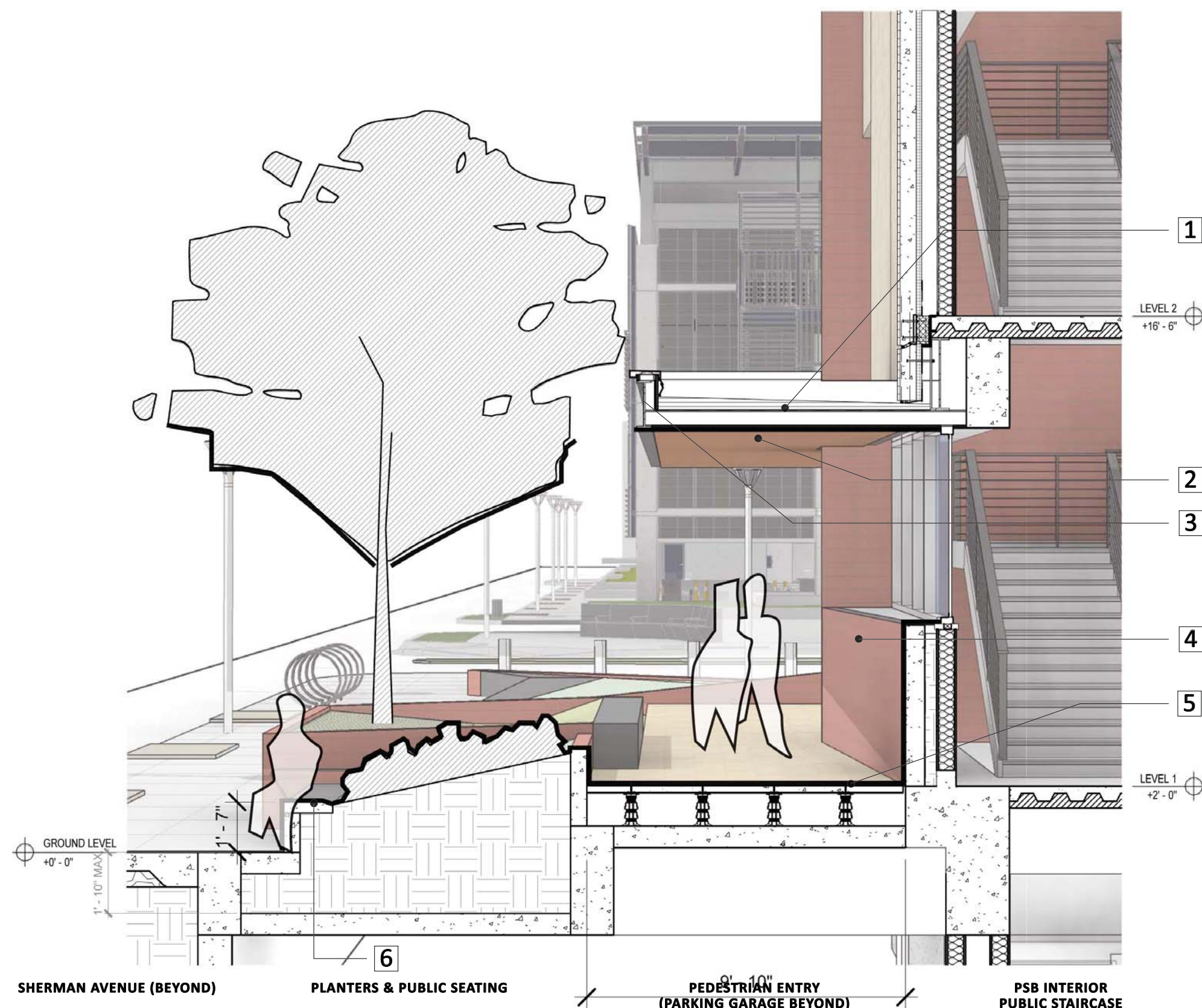
2018.09.20

CONCEPTUAL DETAILS

06

section/detail

** This drawing has been revised to show new and additional materials information.*



1 Continuous protective, pedestrian-scale “canopy” provided through mixture of landscaping and building elements.

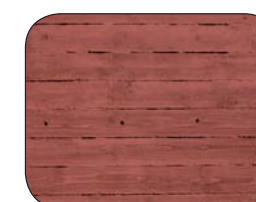
2 Terra-cotta colored wood soffit to match color of concrete, contributes to immersive, warm pedestrian environment.



Base of Design:
T&G Cedar with Semi Transparent Stain
Color: to Match TerraCotta Concrete
Panel Size: 12”wWx 4’-0” L

3 Painted steel facia

4 Terra-cotta colored tinted ready-mix, board formed cast-in-place concrete.



Tinted Readymix Cast-In-Place Concrete w/ Board Formliner.
Color: TerraCotta

5 Paving and landscaping designed to conceal presence of parking basement, below.

6 Planters allow for public seating along length of Sherman Ave.



SHERMAN AVENUE (BEYOND) PLANTERS & PUBLIC SEATING PEDESTRIAN ENTRY (PARKING GARAGE BEYOND) PSB INTERIOR PUBLIC STAIRCASE

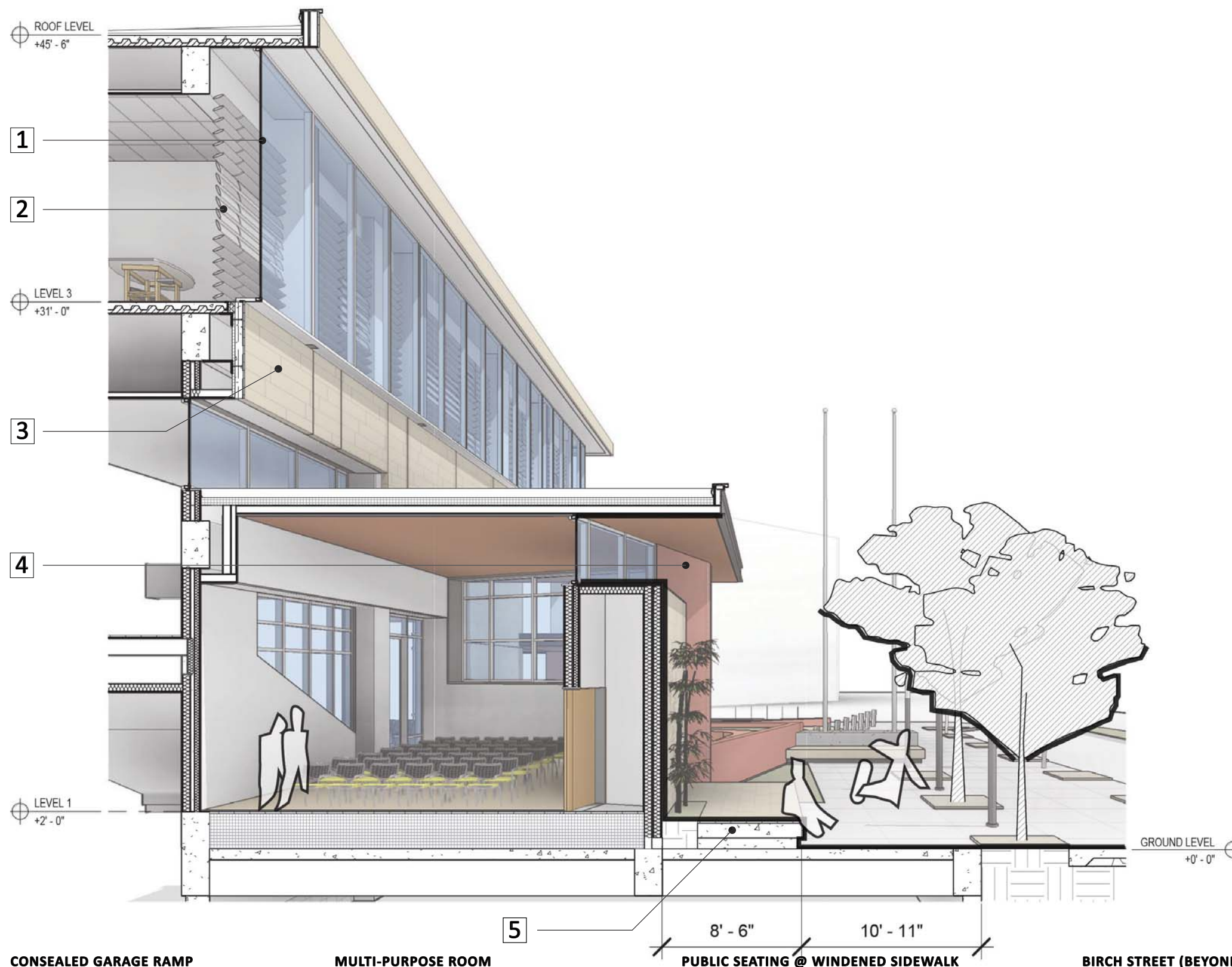
SECTION DETAILS

CONCEPTUAL DETAILS

06

section/detail

* This drawing was revised to show: 1) projecting window massing at Level 03, for added articulation; 2) new and additional materials information.



1 Clear, bird-safe dual glazing.

2 White airfoil-shaped interior metal sun shade system, uniquely adjustable in small-scale panels.



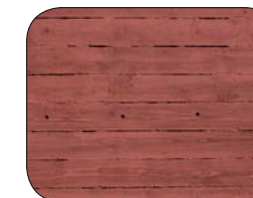
Base of Design:
Aerofoil Louvers,
Interior
Color: to Match Firestone Kynar 500 Bone White

3 Sand-colored, textured porcelain tile veneer over precast concrete panels



Base of Design:
Crossville Retro Active, Porcelain Tile Veneer - On Precast Concrete Panel
Color: Featherstone C370
Finish: Unpolished

4 Terra-cotta colored tinted ready-mix, board formed cast-in-place concrete



Tinted Readymix Cast-In-Place Concrete w/ Board Formliner.
Color: TerraCotta

5 Public seating is same sand-colored porcelain tile of main building, providing impression that the building itself is gesturing out to support visitors.

SECTION DETAILS

RossDrulisCusenbery ARCHITECTURE

REVISED

ARB 06.02

PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20

SHEET NOTES

1. TREE NUMBERS REFERENCE ABORIST REPORT BY DAVID L. BABBY (CONSULTING ABORIST) DATED 3-17-16

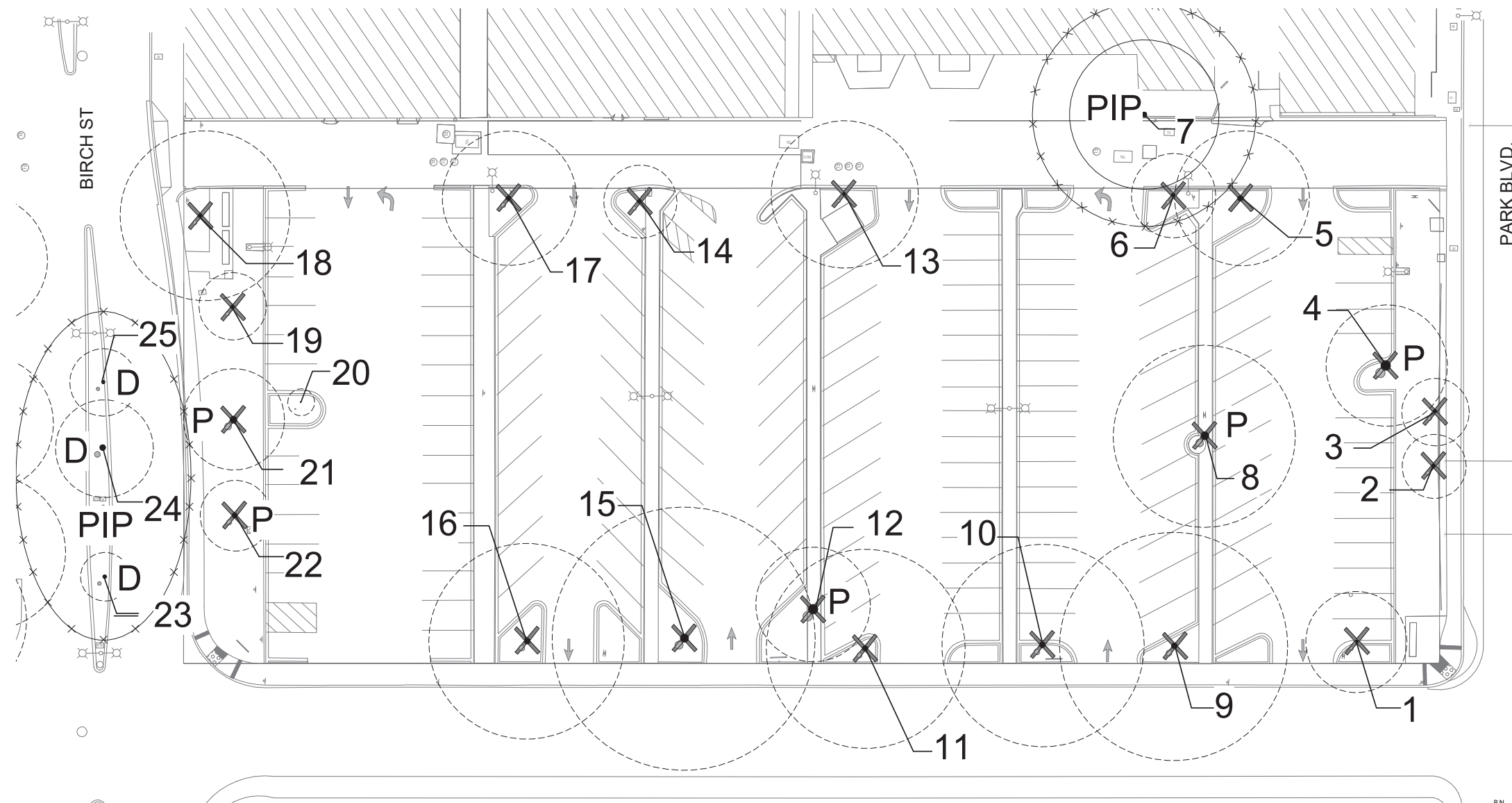
LEGEND	
SYMBOL	DESCRIPTION
●	APPROX. TRUNK DIAMETER (EX)
○	APPROX. TREE CANOPY (EX)
X	TREE TO REMOVE
1	TREE NUMBER
●PIP	PROTECT IN PLACE
●P	PROTECTED TREE
●D	DESIGNATED STREET TREE
-----	10 FT. OFFSET TREE PROTECTION FENCING

TOTAL TREES TO BE REMOVED	21
TOTAL PROTECTED TREES TO BE REMOVED	5
TOTAL DESIGNATED TREES TO BE REMOVED	0
TOTAL TREES TO PROTECT IN PLACE (OFF-SITE)	4

TECHNICAL DETAILS

07

tree protection plan
250 and 350 Sherman



SCALE: NTS



TREE PROTECTION PLAN - PSB AND PARKING GARAGE

TECHNICAL DETAILS

07

city tree protection detail 250 Sherman

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/.

TREE DISCLOSURE STATEMENT

CITY OF PALO ALTO
Planning Division, 250 Hamilton Avenue
Palo Alto, CA 94301
(650) 329-2441
<http://www.cityofpaloalto.org>

Palo Alto Municipal Code, Chapter 8.10.040, requires disclosure and protection of certain trees located on private and public property, and that they be shown on submitted and approved site plans. A completed tree disclosure statement must accompany all permit applications that include exterior work, all demolition or grading permit applications, or other development activity.

PROPERTY ADDRESS: **250 SHERMAN AVE**

Are there Regulated trees on or adjacent to the property? YES NO (If no, proceed to Section 4)

[Sections 1-4 MUST be completed by the applicant. Please circle and/or check where applicable.]

- Where are the trees? Check those that apply. (Plans must be submitted showing all trees over 4" diameter)
 On the property
 On adjacent property overhanging the project site
 In the City planter strip or right-of-way easement within 30' of property line (Street Trees)**
- Are there any Protected or Designated Trees? YES NO (Check where applicable)
 Protected Tree (s)
 Designated Tree (s)
 On or overhanging the property
- Is there activity or grading within the drip-line? (radius 10 times the trunk diameter) of these trees? YES NO
If Yes, a **Tree Preservation Report** must be prepared by an ISA certified arborist and submitted for staff review (see *TTM* - Section 6.25). Attach this report to Sheet T-1, "Tree Protection, as Part of the Plan", per Site Plan Requirements.
- Are the Site Plan Requirements** completed? YES NO

**Plans: Protection of Regulated trees during development require the following: (1) Plans must show the measured trunk diameter and canopy drip-line; (2) Plans must denote, as a bold dashed line, a fenced enclosure area out to the drip-line, per Sheet T-1 and Detail #605 - <http://www.cityofpaloalto.org/trees/forms.html>. (See also *TTM*, Section 2.15 for area to be fenced)

I, the undersigned, agree to the conditions of this disclosure. I understand that knowingly or negligently providing false or misleading information in response to this disclosure requirement constitutes a violation of the Palo Alto Municipal Code Section 8.10.040, which can lead to criminal and/or civil legal action.

Signature: _____ Print: _____ Date: _____
(Prop. Owner or Agent)

FOR STAFF USE.

Sections 5-6 must be completed by staff for the issuance of any development permit (demolition, grading or building permit).

- Protected Trees: The specified tree fencing is in place. A written statement is attached verifying that protective fencing is correctly in place around protected and/or designated trees. YES NO (N/A if there are no protected trees, check here C)
- Street Trees: A signed Public Works Street Tree Protection Verification form is attached. YES NO (N/A if there are no street trees, check here C)

Regulated Trees - a) Street trees - trees on public property; b) Protected trees - Coast Live Oaks or Valley Oaks which are 11.5" in diameter or larger, Coast Redwoods which are 18" in diameter or larger, when measured 54" above natural grade; and Heritage trees are trees designated by City Council; and c) Designated Trees - commercial or non-residential property trees, which are part of an approved landscape plan.

Palo Alto Tree Technical Manual (TTM) contains instructions for all requirements on this form, available at www.cityofpaloalto.org/trees/technical-manual.html

S:\PLANPLAD\Advance Planning\Arborist\Tree Protection Information\Tree Disclosure Statement\TDS\Tree Disclosure Statement\Final_07.doc Revised 03/04/07

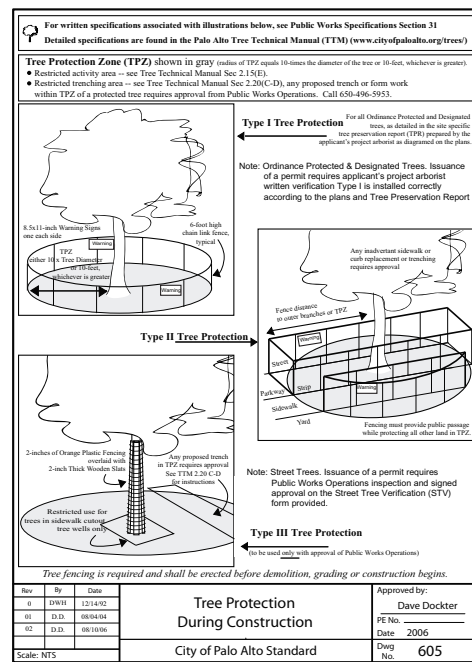


Table 2-2 Palo Alto Tree Technical Manual

CONTRACTOR & ARBORIST INSPECTION SCHEDULE

Reference the Palo Alto Tree Technical Manual is available at www.cityofpaloalto.org/trees/

ALL CHECKED ITEMS APPLY TO THIS PROJECT:

- Inspection of Protective Tree Fencing: For Public Trees, the Street Tree Verification Form shall be signed by the City Arborist. For Protected Trees, the project site arborist shall provide an initial Monthly Tree Activity Report form with a photograph verifying that he has conducted a field inspection of the tree and that the correct type of protective fencing is in place around the designated tree protection zone (TPZ) prior to issuance of a demolition, grading, or building permit. (See TTM, Verification of Tree Protection, Section 1.19).
- Pre-Construction Meeting: Prior to commencement of construction, the applicant or contractor shall conduct a pre-construction meeting to discuss tree protection with the job site superintendent, grading operator, project site arborist. City Arborist, and, if a city maintained irrigation system is involved, the Parks Manager. (Contact 650-496-4962).
- Inspection of Rough Grading or Trenching: Contractor shall ensure the project site arborist performs an inspection during the course of rough grading or trenching adjacent to or within the TPZ to ensure trees will not be injured by compaction, cut or fill, drainage and trenching, and if required, inspect retention systems, tree walls, debris and special paving. The contractor shall provide the project arborist at least 24 hours advance notice of such activity.
- Monthly Tree Activity Report Inspections: The project site arborist shall perform a minimum monthly activity inspection to monitor and advise on conditions, tree health and retention or, immediately if there are any evidences to the approved plans or protection measures. The Tree Technical Manual Monthly Tree Activity Report format shall be used and sent to the Planning Dept. landscape review staff no later than 14 days after issuance of building permit date. Fax to (650) 329-2154. (See TTM, Monthly Tree Activity Inspection Report, Addendum 11 & section 1.17).
- Special activity within the Tree Protection Zone: Work in the TPZ area (see also #7 below) requires the direct onsite supervision of the project arborist (see TTM, Trenching, Excavation & Equipment, Section 2.20 C).
- Landscape Architect Inspection: For discretionary development projects, prior to temporary or final occupancy the applicant or contractor shall arrange for the Landscape Architect to perform an on-site inspection of all plant stock, quality of the materials and planting (see TTM, Planting Quality, Section 5.20 (A)) and that the signature is functioning consistent with the approved construction plans. The Planning Dept. landscape review staff shall be in receipt of written verification of Landscape Architect approval prior to scheduling the final inspection, unless otherwise approved.
- List Other (please describe as called out in the site Tree Preservation Report, Sheet T-1, T-2, etc.)

Arborist Firm Data Here

City of Palo Alto Tree Technical Manual ADDENDUM 11
REG/ISA Certified Arborist #975,000
Contract #C187

Monthly Tree Activity Report- Construction Site

Inspection Date:	Site address:	Contractor/ Main Site Contact Information:	PT Job site superintendent:
	Palo Alto, CA		

Inspection # _____

Distribution: 1. City of Palo Alto 2. Others

City of Palo Alto Tree Technical Manual Addendum 11 & section 1.17

- Assignment Activity (Demolition/grading/sewer/trenching/foundation list relevant visits)
a. Pre-construction meeting requirement with sub-contractors
b. Inspect to verify that tree protection measures are in place
c. Determine if field adjustment, watering or plan revisions may be needed
- Field Observations (general site-wide and list by individual tree number)
a. Tree Protection Fences (TPF) are
b. Trenching has/will occur
- Action Items (list site-wide, by tree number and date to be satisfied) and Date Due
a. Tree Protection Fence (TPF) needs adjusting (see # a, x, xi)
b. Root zone barrier material (wood chips) can be installed next
c. Schedule sewer trench, foundation dig with
- Photographs (see item)
- Tree Location Map (mandatory 8.5 x 11 sheet)
- Recommendations, notes or monitor items for project staff/schedule
- Post visits (list carry-over items visited/val outstanding)

Respectfully submitted,
Project site arborist
Contractor contact information (include email, cell#, and mailing)
CC:
Enter Date CFA Monthly Tree Activity Report: Type site address here Page #1 of 1

City of Palo Alto

250 Hamilton Avenue, Palo Alto, CA 94301

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Home » Planning & Community Environment

Tree Technical Manual

To purchase the Tree Technical Manual

June, 2001 First Edition

View by section:

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- Intent and Purpose (PDF, 1.05MB)
- Introduction - Use of Manual (PDF, 1.05MB)
- Section 1.0 - Definitions (PDF, 96KB)
- Section 2.0 - Protection of Trees During Construction (PDF, 259KB)
- Section 3.0 - Removal, Replanting & Planting of Trees (PDF, 117KB)
- Section 4.0 - Hazardous Trees (PDF, 105KB)
- Section 5.0 - Tree Maintenance Guidelines (PDF, 1109KB)
- Section 6.0 - Tree Reports (PDF, 84KB)

View ALL sections:

- Tree Technical Manual - Full (PDF, 1.84MB)

APPENDICES

- A. Palo Alto Municipal Code Chapter 8.10 - Tree Preservation & Management Regulations
- B. Tree City - USA
- C. ISA Hazard Evaluation Form
- D. List of Inherent Failure Patterns for Selected Species (Reference source)
- E. ISA Tree Pruning Guidelines (PDF, 1.89MB)
- F. Tree Care Safety Standards, ANSI Z133.1-1994 (Reference source)
- G. Pruning Performance Standards, ANSI A309-1995 (Reference source)
- H. Tree Planting Details, Diagram 504 & 505
- I. Tree Disclosure Statement
- J. Palo Alto Standard Tree Protection Instructions

PALO ALTO

STREET TREE PROTECTION INSTRUCTIONS

SECTION 31

31-4 **General**

a. Tree protection has three primary functions: 1) to keep the foliage canopy and branching structure clear from contact by equipment, materials and activities; 2) to preserve roots and soil conditions in an intact and non-compacted state and 3) to identify the Tree Protection Zone (TPZ) in which no soil disturbance is permitted and activities are restricted, unless otherwise approved.

b. The **Tree Protection Zone (TPZ)** is a restricted area around the base of the tree with a radius of ten-times the diameter of the tree's trunk or ten feet; whichever is greater, enclosed by fencing.

31-2 **Reference Documents**

- 1. Detail #65 - Illustration of situation described below.
- 2. Tree Technical Manual (TTM) Form (www.cityofpaloalto.org/trees/)
- 3. Truncation Restriction Zones (TTM, Section 2.20c)
- 4. Arborist Reporting Protocol (TTM, Section 6.25)
- 5. Site Plan Requirements (TTM, Section 6.12)
- 6. Tree Disclosure Statement (TTM, Appendix J)
- 7. Street Tree Verification (STV) Form (www.cityofpaloalto.org/trees/)

31-3 **Execution**

- Type I Tree Protection:** The fence shall enclose the entire TPZ of the tree(s) to be protected throughout the life of the construction project. In some parking areas, if fencing is located on paving or concrete that will not be demolished, then the posts may be supported by an appropriate grade level concrete base, if approved by Public Works Operations.
- Type II Tree Protection:** For trees situated within a planting strip, only the planting strip and yard side of the TPZ shall be enclosed with the required chain link protective fencing in order to keep the sidewalk and street open for public use.
- Type III Tree Protection:** To be used only with approval of Public Works Operations. Trees situated in a tree well or sidewalk planter pit, shall be wrapped with 2-inches of orange plastic fencing from the ground to the first branch and overlaid with 2-inch black wooden slats based securely (slats shall not be allowed to dig into the bark). During installation of the plastic fencing, caution shall be used to avoid damaging any branches. Mouse links may also require plastic fencing as directed by the City Arborist.
- Size, type and area to be fenced.** All trees to be preserved shall be protected with six (6) foot high chain link fences. Fences are to be mounted on two-inch diameter galvanized iron posts, driven into the ground to a depth of at least 2-feet or no more than 10-foot spacing. Fencing shall extend to the outer branching, unless specifically approved on the STV Form.
- Warning Signs.** A warning sign shall be weather proof and prominently displayed on each face of 20-foot intervals. The sign shall be minimum 8 1/2 inches x 11 inches and clearly state in half inch tall letters: "WARNING - Tree Protection Zone - This fence shall not be removed and is subject to a fine according to PAMC, Section 8.10.116".
- Barriers.** Tree fencing shall be erected before demolition, grading or construction begins and remain in place until final inspection of the project, except for work specifically allowed in the TPZ. Work or soil disturbance in the TPZ requires approval by the project arborist or City Arborist (in the case of work around Street Trees). Excavations within the public right of way require a Street Work Permit from Public Works.

31-4 **During construction**

- All neighbor trees that overhang the project site shall be protected from impact of any kind.
The applicant shall be responsible for the repair or replacement plus penalty of any publicly owned trees that are damaged during the course of construction, pursuant to Section 8.04/070 of the Palo Alto Municipal Code.
- The following tree preservation measures apply to all trees to be retained:
 - No storage of materials, equipment or materials shall be permitted within the TPZ.
 - The ground under and around the canopy area shall not be altered.
 - Trees to be retained shall be irrigated, aerated and maintained as necessary to ensure survival.

END OF SECTION
City of Palo Alto 2004 Standard Drawings and Specifications
Street Tree Verification of Protection, PWE, Section 31 Revised 08/06

City of Palo Alto

Tree Department
Public Works Operations
PO Box 10250 Palo Alto, CA 94303
650-496-5953 FAX: 650-862-9639
treeprotection@CityofPaloAlto.org

Verification of Street Tree Protection

Applicant Instructions: Complete upper portion of this form. Mail or FAX this form along with signed Tree Disclosure Statement to Public Works Dept., Public Works Tree Staff and notify applicant.

APPLICATION DATE: _____

ADDRESS/LOCATION OF STREET TREES TO BE PROTECTED: _____

APPLICANT'S NAME: _____

APPLICANT'S ADDRESS: _____

APPLICANT'S TELEPHONE & FAX NUMBERS: _____

This section to be filled out by City Tree Staff

1. The Street Trees at the above address(es) are adequately protected. The type of protection used is:	YES <input type="checkbox"/>	NO <input type="checkbox"/>
	* If NO, go to #2 below	
Inspected by:	_____	
Date of inspection:	_____	

2. The Street Trees at the above address are NOT adequately protected. The following modifications are required:	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Indicate how the required modifications were communicated to the applicant.	_____	
Subsequent Inspection	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Street trees at above address were found to be adequately protected:	* If NO, indicate in "Notes" below the disposition of case.	
Inspected by:	_____	
Date of inspection:	_____	

Notes: List City street trees by species, size, condition and type of tree protection installed. Also note if pictures were taken. Use back of sheet if necessary.

Return approved sheet to Applicant for demolition or building permit issuance.
S:\PD095\Final\0258_TWP\02.doc 5/1/06

---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

City of Palo Alto Tree Protection Instructions are located at <http://www.city.palo-alto.ca.us/trees/technical-manual.html>

SPECIAL INSPECTIONS	PLANNING DEPARTMENT
TREE PROTECTION INSPECTIONS MANDATORY	
PAMC 8.10 PROTECTED TREES. CONTRACTOR SHALL ENSURE PROJECT SITE ARBORIST IS PERFORMING REQUIRED TREE INSPECTION AND SITE MONITORING. PROVIDE WRITTEN MONTHLY TREE ACTIVITY REPORTS TO THE PLANNING DEPARTMENT LANDSCAPE REVIEW STAFF BEGINNING 14 DAYS AFTER BUILDING PERMIT ISSUANCE.	
BUILDING PERMIT DATE: _____	
DATE OF 1 ST TREE ACTIVITY REPORT: _____	
CITY STAFF: _____	
REPORTING DETAILS OF THE MONTHLY TREE ACTIVITY REPORT SHALL CONFORM TO SHEET T-1 FORMAT. VERIFY THAT ALL TREE PROTECTION MEASURES ARE IMPLEMENTED AND WILL INCLUDE ALL CONTRACTOR ACTIVITY, SCHEDULED OR UNSCHEDULED, WITHIN A TREE PROTECTION ROOT ZONE. NON-COMPLIANCE IS SUBJECT TO VIOLATION OF PAMC 8.10.080. REFERENCE: PALO ALTO TREE TECHNICAL MANUAL, SECTION 2.00 AND ADDENDUM 11.	

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

Use additional "T" sheets as needed

CITY TREE PROTECTION DETAILS

RossDrulisCusenbery ARCHITECTURE

INTERSTICE ARCHITECTS

PALO ALTO PUBLIC SAFETY BUILDING

REVISED

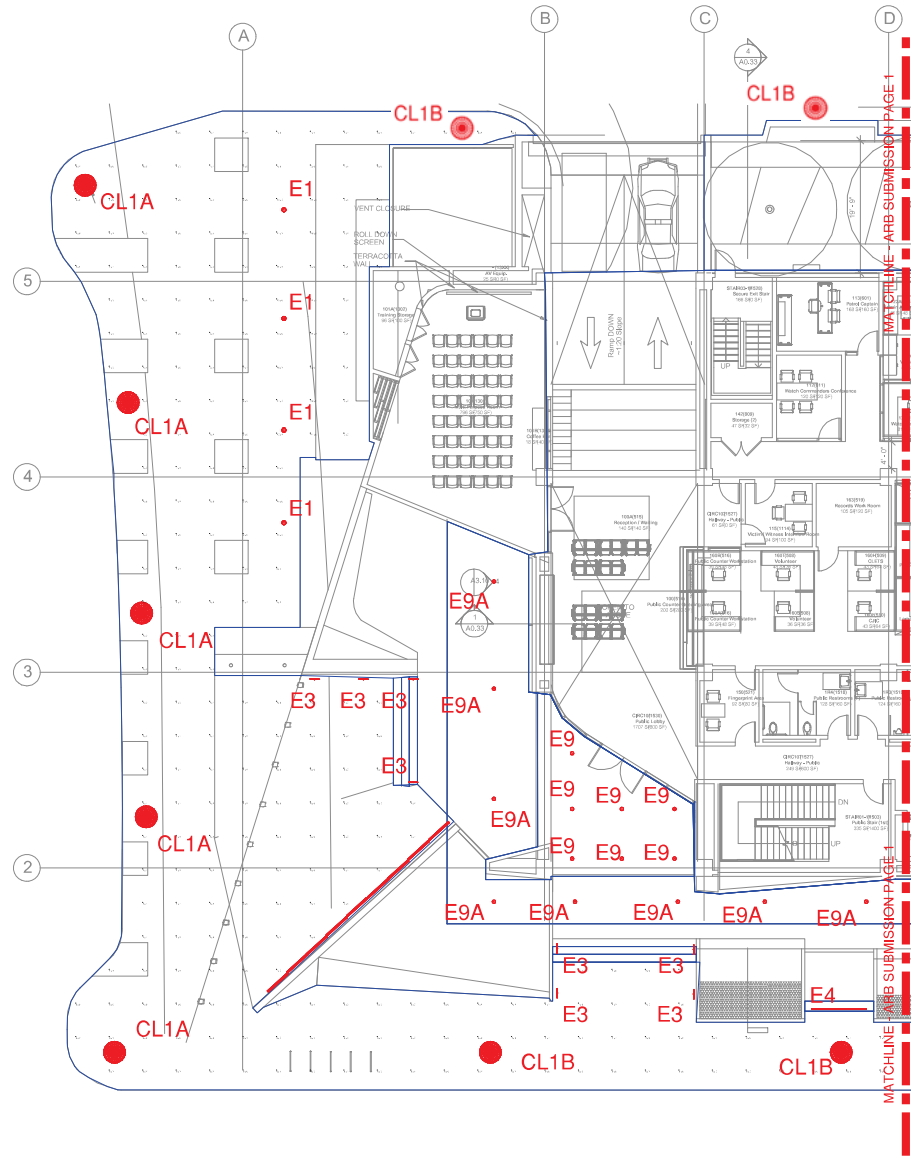
ARB 07.02

2018.09.20

TECHNICAL DETAILS

07

site lighting plan



CALCULATION SUMMARY

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Target Light Level
Courtyard	Illuminance	Fc	1.28	13.1	0.4	3.23	32.75	0.4 Fc Avg. Per IES Plazas and Town Sqrs. 1 Fc Min. at Egress Per CBC
East Stair 1 Top 1 1	Illuminance	Fc	11.8	15.3	8.1	1.47	1.89	1 Fc Min. Per CBC
East Stair 2 Side 5 1	Illuminance	Fc	14.1	27.3	6.6	2.14	4.14	1 Fc Min. Per CBC
East Stair 3 Top 1 1	Illuminance	Fc	17.0	28.9	6.6	2.59	4.38	1 Fc Min. Per CBC
East Stair 4 Side 4 1	Illuminance	Fc	19.0	44.3	3.9	4.88	11.36	1 Fc Min. Per CBC
East Stair 5 Top 1 1	Illuminance	Fc	6.28	22.3	2.9	2.16	7.69	1 Fc Min. Per CBC
East Stair 6 Side 4 1	Illuminance	Fc	1.63	5.7	0.2	8.10	28.50	1 Fc Min. Per CBC
East Stair 7 Top 1 1	Illuminance	Fc	0.88	2.2	0.1	8.50	22.00	1 Fc Min. Per CBC
East Stair Side 5 1	Illuminance	Fc	7.64	14.2	2.8	2.73	5.07	1 Fc Min. Per CBC
Garage East Pathway Top 1	Illuminance	Fc	3.13	20.9	0.6	5.22	34.83	0.5 Fc Avg. Per BOD Light Level Legend
Garage Northeast Elev Threshld 1	Illuminance	Fc	11.8	13.3	10.5	1.13	1.27	10 Fc Min. Per CBC
Garage West and South Pathway Top 1	Illuminance	Fc	2.08	6.3	1.0	2.00	6.30	0.5 Fc Avg. Per BOD Light Level Legend
Garage West Elev Threshld	Illuminance	Fc	11.8	12.5	10.8	1.10	1.18	10 Fc Min. Per CBC
Northeast Arcade Ground Top	Illuminance	Fc	5.63	18.1	1.0	5.62	18.10	1 Fc Min. Per CBC, 3.8 Fc Avg. Per BOD Light Level Legend
PAPSB East and Southeast Pathway Top	Illuminance	Fc	2.81	10.6	0.3	9.37	35.33	0.5 Fc Avg. Per BOD Light Level Legend
PAPSB Entrance Top 1	Illuminance	Fc	6.04	6.9	4.5	1.34	1.53	1 Fc Min. Per CBC, 3.8 Fc Avg. Per BOD Light Level Legend
PAPSB Garage Entry Top	Illuminance	Fc	2.69	4.1	1.0	2.90	4.10	1 Fc Min. Per IES RP-20-14 Parking Garage Drive Aisle
PAPSB North Pathway Top	Illuminance	Fc	3.78	6.2	1.2	3.13	5.17	0.5 Fc Avg. Per BOD Light Level Legend
PAPSB West and South Walkway Top 1	Illuminance	Fc	2.01	18.5	0.6	3.35	30.83	0.5 Fc Avg. Per BOD Light Level Legend
PAPSB West Plaza Top	Illuminance	Fc	0.98	1.1	0.9	1.09	1.22	0.4 Fc Avg Per IES Plazas & Town Squares Med. Activity LZ3. 1 Fc Min Egress Path
PAPSB West Plaza Top 1	Illuminance	Fc	2.48	7.8	0.8	3.11	9.75	0.4 Fc Avg. Per IES Plazas and Town Sqrs. 1 Fc Min. at Egress Per CBC
Ramp	Illuminance	Fc	14.9	69.9	0.0	14.97	69.90	1 Fc Min. Per CBC
Security Vehicle Parking Lot	Illuminance	Fc	7.48	18.0	2.1	3.55	9.05	3 Fc Minimum, 8 Fc Avg., 3 Fc Uniformity Per IES G-1-16
West Arcade Ground Top	Illuminance	Fc	4.97	12.8	1.0	4.97	12.60	1 Fc Minimum Per CBC, Egress
West Arcade Ground Top 1	Illuminance	Fc	4.58	12.8	0.0	N.A.	N.A.	1 Fc Min. Per CBC, 3.8 Fc Avg. Per BOD Light Level Legend
West Stairs 1 Side 4	Illuminance	Fc	12.8	14.4	10.0	1.21	1.44	1 Fc Min. Per CBC
West Stairs 2 Top 1	Illuminance	Fc	14.8	16.3	13.3	1.12	1.23	1 Fc Min. Per CBC
West Stairs 3 Side 4 1	Illuminance	Fc	14.8	31.0	1.5	9.79	20.67	1 Fc Min. Per CBC

LUMINAIRE SCHEDULE

Symbol	Qty	Label	Description	Lum. Watts	Lum. Lumens	LLF
●	3	CL1	Cooper Invue Mesa - 28in. Dia. Pole Top Round LED Tilt Area Light - MSA-E014-LED-E1-T3-8030	24.7	2098	0.87
●	25	CL1A	Cooper Invue Mesa - 28in. Dia. Pole Top Round LED Tilt Area Light - MSA-E02-LED-E1-T2-8030	52.1	4152	0.87
●	3	CL1B	Cooper Invue Mesa - 28in. Dia. Pole Top Round LED Tilt Area Light - MSA-E04-LED-E1-T4-8030	97.2	8176	0.87
●	9	E1	BEGA 88 064 - 6in. Round 31in. Tall Pole Mounted Cylindrical LED Area Light	36	3383	0.83
—	11	E10	Lumenpulse LumenFacade - 2.5in. Aperture Surface Mounted Linear LED 30x60 Optic Adjustable Facade Light - LOG HO-120-48-35K 12XP2-30x60-SI-NO	60.39	3665	0.63
—	27	E2	BEGA 22 360 - 12.5in. X 4.5in. Wall Mtd. Rectangular LED Area Light - 22360	20.5	1024	0.63
—	20	E3	BEGA 22 040 - 20.5in. X 5in. Wall Recessed Rectangular LED Lowceiling Spotlight - 22 040	19.2	124	0.63
—	92	E4	Lumini Kendo S Wet - 0.7in. Underbench Mid. Linear LED Tape Light in Aluminum Extrusion - KSW-48-30K-S0-C-XWHJXX	12.9	826	0.63
—	24	E5	Klik Systems LEDPod - 0.25in. Handrail Recessed Round LED Stair Light - PCLens-WhiteAsymRef-2W-LED-500mA-LEDDOD-3000K-direct	2	107	0.63
—	8	E6	ERCO Lightscan - 12in. X 12in. Column Mounted Square LED Asymmetric Ceiling Light - 34447023_V03	60	2496	0.81
—	25	E7	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast In Place Wallwasher - 8445023_V04	10	610	0.81
—	48	E8	A Light 03 Series - 3.5in. Aperture Surface Mtd. Linear LED Downlight (MCO 50%) LIGHT OUTPUT: 3000K) - DSALH04UHE	38.9	3316	0.81
—	6	E9	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast In Place Downlight - 84425023_V04	10	735	0.81
—	6	E9A	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast In Place Downlight - 84427023_V04	19	1467	0.81
—	1	E9B	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast In Place Downlight - 84429023_V04	30	2225	0.81
—	2	E9C	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast In Place Downlight - 84431023_V04	36	2967	0.81



CL1/CL1A/CL1B - Cooper Invue Mesa
E1 - BEGA 88 064
E2 - BEGA 22 360
E3 - BEGA 22 040
E4 - Lumini Kendo S Wet



E9A - ERCO Compact Downlight

NOTES
1. ILLUMINANCE CALCULATIONS ARE BASED ON PUBLISHED CALCULATION METHODS AND ARE FOR REFERENCE ONLY. FIELD MEASURED RESULTS MAY DIFFER FROM CALCULATED RESULTS AND ARE DEPENDANT ON A VARIETY OF FACTORS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: MANUFACTURER'S PHOTOMETRY DATA, LINE VOLTAGE, LUMINAIRE PERFORMANCE, TEMPERATURE, AND ACTUAL CONDITION OF FINISHES AND ENVIRONMENT.
2. REFLECTANCE ASSUMPTIONS: WALL/BUILDING REFLECTANCE - 35% GROUND REFLECTANCE - 20%
3. CL1 SERIES LUMINAIRES MOUNTED 14'-0" AFG. E2 SERIES LUMINAIRES MOUNTED 8'-0" AFG. E3 LUMINAIRES MOUNTED 1'-2" AFG. E4 LUMINAIRES MOUNTED 1'-5" AFG. E5 LUMINAIRES MOUNTED 3'-0" AFG AT RAMP. E6 LUMINAIRES MOUNTED 3'-0" AFG. E9 LUMINAIRES MOUNTED 8'-0" AFG.
4. LLD CALCULATED BASED ON LINEAR INTERPOLATION TO 50,000 HOURS FROM MANUFACTURERS REPORTED LIFE.

LUMINAIRE IMAGES

PHOTOMETRIC STUDY - PALO ALTO PUBLIC SAFETY BUILDING SOUTH

SCALE:
1"=20'-0"

	Project	Title	Project No.	Scale	Date	Sheet
	PALO ALTO PUBLIC SAFETY BUILDING	LSK001 R2 - ARB SUBMISSION	B17.07295.000	AS NOTED	08.31.2018	001

SITE LIGHTING PLAN

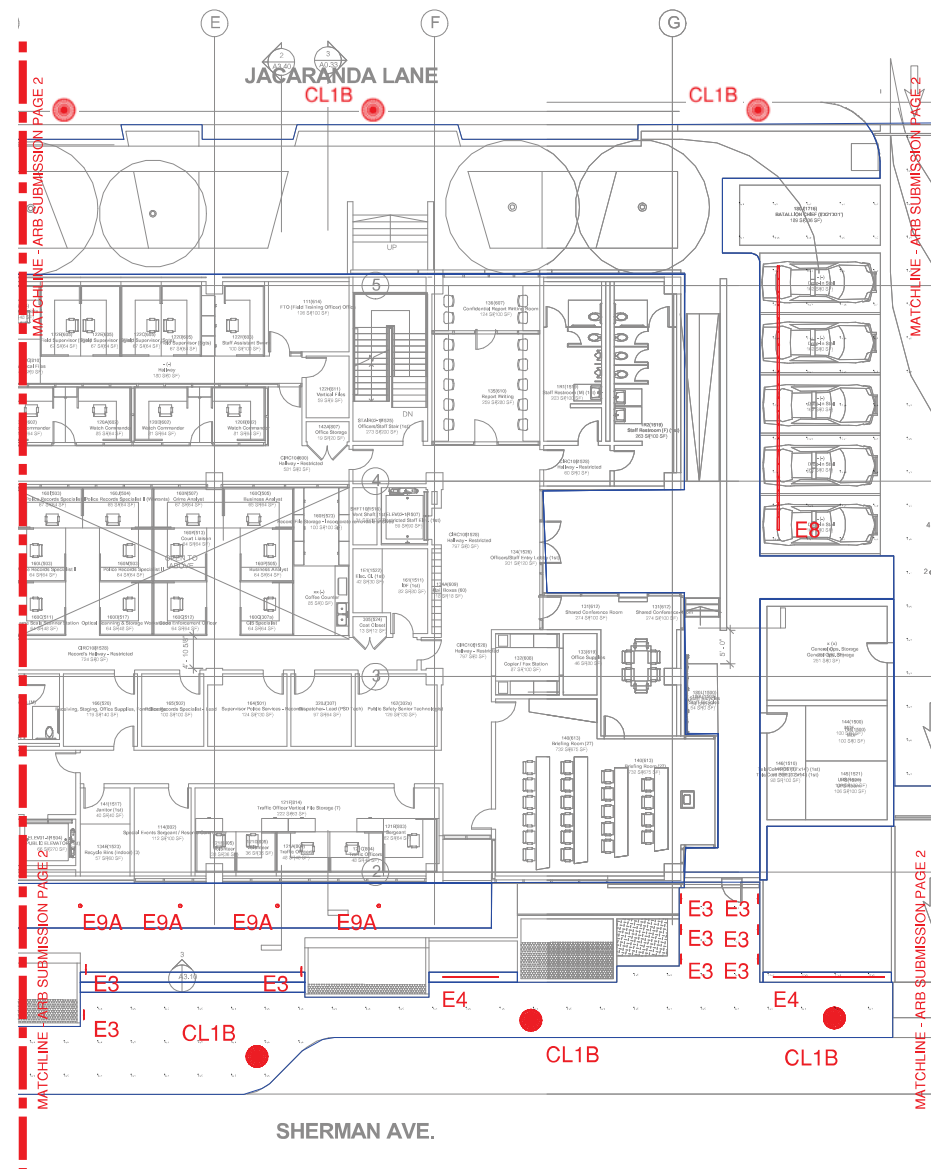
RossDrulisCusenbery ARCHITECTURE

REVISED
ARB 07.03
PALO ALTO PUBLIC SAFETY BUILDING
2018.09.20

TECHNICAL DETAILS

07

site lighting plan

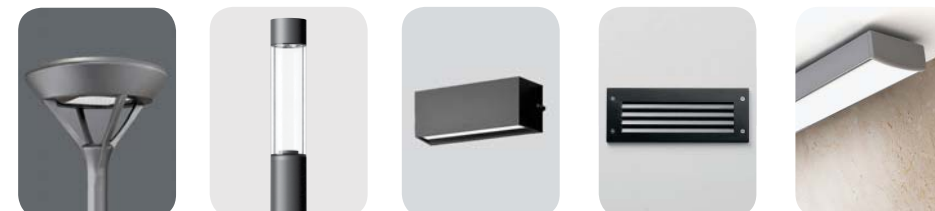


CALCULATION SUMMARY

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Target Light Level
Courtyard	Illuminance	Fc	1.28	13.1	0.4	3.23	32.75	0.4 Fc Avg. Per IES Plazas and Town Sqrs. 1 Fc Min. at Egress Per CBC
East Stair 1 Top 1 1	Illuminance	Fc	11.4	15.3	8.1	1.47	1.89	1 Fc Min. Per CBC
East Stair 2 Side 5 1	Illuminance	Fc	14.1	27.3	6.6	2.14	4.14	1 Fc Min. Per CBC
East Stair 3 Top 1 1	Illuminance	Fc	17.0	28.9	6.6	2.59	4.38	1 Fc Min. Per CBC
East Stair 4 Side 4 1	Illuminance	Fc	19.4	44.3	3.9	4.88	11.36	1 Fc Min. Per CBC
East Stair 5 Top 1 1	Illuminance	Fc	6.28	22.3	2.9	2.16	7.69	1 Fc Min. Per CBC
East Stair 6 Side 4 1	Illuminance	Fc	1.63	5.7	0.2	8.10	28.50	1 Fc Min. Per CBC
East Stair 7 Top 1 1 1	Illuminance	Fc	0.88	2.2	0.1	8.50	22.00	1 Fc Min. Per CBC
East Stair Side 5 1	Illuminance	Fc	7.64	14.2	2.8	2.73	5.07	1 Fc Min. Per CBC
Garage East Pathway Top 1	Illuminance	Fc	3.13	20.9	0.6	5.22	34.83	0.5 Fc Avg. Per BOD Light Level Legend
Garage Northeast Elev Threshld 1	Illuminance	Fc	11.4	13.3	10.5	1.13	1.27	10 Fc Min. Per CBC
Garage West and South Pathway Top 1	Illuminance	Fc	2.08	6.3	1.0	12.00	6.30	0.5 Fc Avg. Per BOD Light Level Legend
Garage West Elev Threshld	Illuminance	Fc	11.8	12.5	10.8	1.10	1.18	10 Fc Min. Per CBC
Northeast Arcade Ground Top	Illuminance	Fc	5.63	18.1	1.0	5.62	18.10	1 Fc Min. Per CBC, 3.8 Fc Avg. Per BOD Light Level Legend
PAPSB East and Southeast Pathway Top	Illuminance	Fc	2.81	10.6	0.3	9.37	35.33	0.5 Fc Avg. Per BOD Light Level Legend
PAPSB Entrance Top 1	Illuminance	Fc	6.04	6.9	4.5	1.34	1.53	1 Fc Min. Per CBC, 3.8 Fc Avg. Per BOD Light Level Legend
PAPSB Garage Entry Top	Illuminance	Fc	2.69	4.1	1.0	2.80	4.10	1 Fc Min. Per IES RP-20-14 Parking Garage Drive Aisle
PAPSB North Pathway Top	Illuminance	Fc	3.78	6.2	1.2	3.13	5.17	0.5 Fc Avg. Per BOD Light Level Legend
PAPSB West and South Walkway Top 1	Illuminance	Fc	2.01	18.5	0.6	3.35	30.83	0.5 Fc Avg. Per BOD Light Level Legend
PAPSB West Plaza Top	Illuminance	Fc	0.98	1.1	0.9	1.09	1.22	0.4 Fc Avg. Per IES Plazas and Town Squares Med. Activity LZ3. 1 Fc Min. Egress Path
PAPSB West Plaza Top 1	Illuminance	Fc	2.48	7.8	0.8	3.11	9.75	0.4 Fc Avg. Per IES Plazas and Town Squares. 1 Fc Min. at Egress Per CBC
Ramp	Illuminance	Fc	14.9	69.9	1.0	14.97	89.90	1 Fc Min. Per CBC
Security Vehicle Parking Lot	Illuminance	Fc	7.48	18.0	2.1	3.55	9.05	3 Fc Minimum, 8 Fc Avg., 3.1 Uniformity Per IES G-1-16
West Arcade Ground Top	Illuminance	Fc	4.97	12.8	1.0	4.97	12.60	1 Fc Minimum Per CBC, Egress
West Arcade Ground Top 1	Illuminance	Fc	4.58	12.8	0.0	N.A.	N.A.	1 Fc Min. Per CBC, 3.8 Fc Avg. Per BOD Light Level Legend
West Stairs 1 Side 4	Illuminance	Fc	12.8	14.4	10.0	1.21	1.44	1 Fc Min. Per CBC
West Stairs 2 Top 1	Illuminance	Fc	14.8	16.3	13.3	1.12	1.23	1 Fc Min. Per CBC
West Stairs 3 Side 4 1	Illuminance	Fc	14.8	31.0	1.5	9.79	20.67	1 Fc Min. Per CBC

LUMINAIRE SCHEDULE

Symbol	Qty	Label	Description	Lum. Watts	Lum. Lumens	LLF
●	3	CL1	Cooper Invue Mesa - 28in. Dia. Pole Top Round LED Tilt Area Light - MSA-E01-LED-E1-T3-8030	24.7	2098	0.87
●	25	CL1A	Cooper Invue Mesa - 28in. Dia. Pole Top Round LED Tilt Area Light - MSA-E02-LED-E1-T2-8030	52.1	4152	0.87
●	3	CL1B	Cooper Invue Mesa - 28in. Dia. Pole Top Round LED Tilt Area Light - MSA-E04-LED-E1-T4-8030	97.2	8178	0.87
●	9	E1	BEGA 88 064 - 6in. Round 3in. Tall Pole Mounted Cylindrical LED Area Light	36	3383	0.83
●	11	E10	Lumenpulse LumenFacade - 2.5in. Aperture Surface Mounted Linear LED 30x80 Optic Adjustable Facade Light - LOG HO-120-48-35K 12XPE2-30x80-SI-NO	60.39	3665	0.83
●	27	E2	BEGA 22 360 - 12.5in. X 4.5in. Wall Mtd. Rectangular LED Area Light - 22360	20.5	1024	0.63
●	20	E3	BEGA 22 040 - 20.5in. X 5in. Wall Recessed Rectangular LED Louvered Sidelight - 22040	19.2	124	0.63
●	92	E4	Lumini Kendo S Wet - 0.7in. Underbench Mid. Linear LED Tape Light in Aluminum Extrusion - KSW-48-30K-SD-C-X-WH-XX	12.9	526	0.63
●	24	E5	Klik Systems LEDPod - 0.25in. Handrail Recessed Round LED Stair Light - PCLens-WhiteAsymRef-2W-LED-500mA-LEPOD-3000K-direct	2	107	0.63
●	8	E6	ERCO Lightscan - 12in. X 12in. Column Mounted Square LED Asymmetric Ceiling Light - 34447023_V03	60	2496	0.81
●	25	E7	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast in Place Wallwasher - 8445023_V04	10	610	0.81
●	48	E8	A Light D3 Series - 3.5in. Aperture Surface Mid. Linear LED Downlight (MCO 50% LIGHT OUTPUT, 3000K) - DSALH0UHE	38.9	3316	0.31
●	6	E9	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast in Place Downlight - 84429023_V04	10	735	0.81
●	6	E9A	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast in Place Downlight - 84427023_V04	19	1467	0.81
●	1	E9B	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast in Place Downlight - 84429023_V04	30	2225	0.81
●	2	E9C	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast in Place Downlight - 84431023_V04	36	2967	0.81



CL1A/CL1B - Cooper Invue Mesa
E1 - BEGA 88 064
E2 - BEGA 22 360
E3 - BEGA 22 040
E4 - Lumini Kendo S Wet

E8 - A Light D3 Wet Location Linear

NOTES
1. ILLUMINANCE CALCULATIONS ARE BASED ON PUBLISHED CALCULATION METHODS AND ARE FOR REFERENCE ONLY. FIELD MEASURED RESULTS MAY DIFFER FROM CALCULATED RESULTS AND ARE DEPENDANT ON A VARIETY OF FACTORS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: MANUFACTURERS' PHOTOMETRY DATA, LINE VOLTAGE, LUMINAIRE PERFORMANCE, TEMPERATURE, AND ACTUAL CONDITION OF FINISHES AND ENVIRONMENT.
2. REFLECTANCE ASSUMPTIONS: WALLBUILDING REFLECTANCE - 35% GROUND REFLECTANCE - 20%
3. CL1 SERIES LUMINAIRES MOUNTED 14'-0" AFG. E2 SERIES LUMINAIRES MOUNTED 8'-0" AFG. E3 LUMINAIRES MOUNTED 1'-2" AFG. E4 LUMINAIRES MOUNTED 1'-5" AFG. E5 LUMINAIRES MOUNTED 3'-0" AFG AT RAMP. E6 LUMINAIRES MOUNTED 8'-0" AFG.
4. LLD CALCULATED BASED ON LINEAR INTERPOLATION TO 50,000 HOURS FROM MANUFACTURERS REPORTED LIFE.

LUMINAIRE IMAGES

PHOTOMETRIC STUDY - PALO ALTO PUBLIC SAFETY BUILDING MIDDLE

SCALE:
1"=20'-0"

	Project	Title	Project No.	Scale	Date	Sheet
	PALO ALTO PUBLIC SAFETY BUILDING	LSK001 R2 - ARB SUBMISSION	B17.07295.000	AS NOTED	08.31.2018	002

SITE LIGHTING PLAN

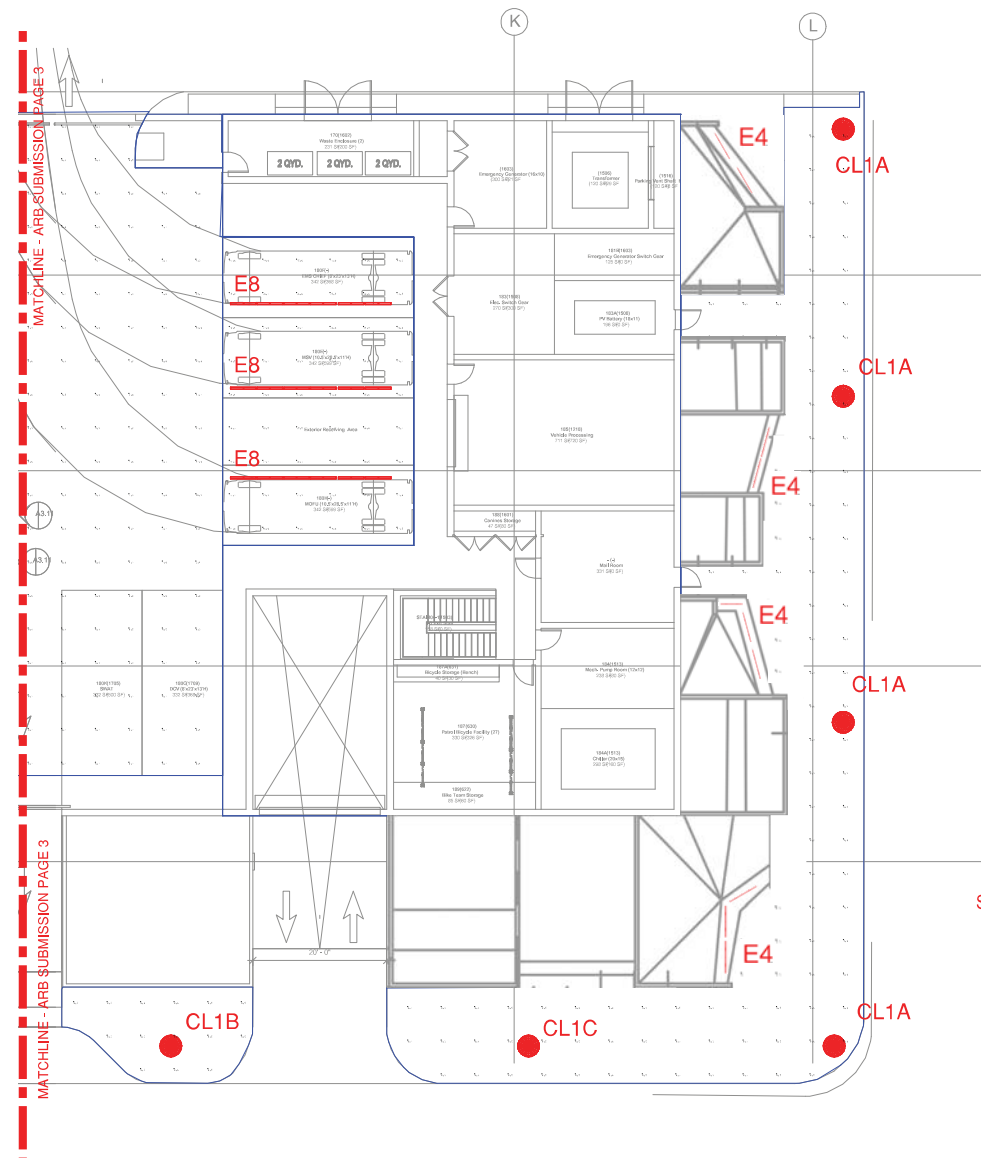
RossDrulisCusenbery ARCHITECTURE

REVISED
ARB 07.04
PALO ALTO PUBLIC SAFETY BUILDING
2018.09.20

TECHNICAL DETAILS

07

site lighting plan



CALCULATION SUMMARY

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Target Light Level
Courtyard	Illuminance	Fc	1.28	13.1	0.4	3.23	32.75	0.4 Fc Avg. Per IES Plazas and Town Sqrs. 1 Fc Min. at Egress Per CBC
East Stair 1 Top 1 1	Illuminance	Fc	11.8	15.3	8.1	1.47	1.89	1 Fc Min. Per CBC
East Stair 2 Side 5 1	Illuminance	Fc	14.1	27.3	6.6	2.14	4.14	1 Fc Min. Per CBC
East Stair 3 Top 1 1	Illuminance	Fc	17.0	28.9	6.6	2.59	4.38	1 Fc Min. Per CBC
East Stair 4 Side 4 1	Illuminance	Fc	19.0	44.3	3.9	4.88	11.36	1 Fc Min. Per CBC
East Stair 5 Top 1 1	Illuminance	Fc	6.28	22.3	2.9	2.16	7.69	1 Fc Min. Per CBC
East Stair 6 Side 4 1	Illuminance	Fc	1.63	5.7	0.2	8.10	28.50	1 Fc Min. Per CBC
East Stair 7 Top 1 1	Illuminance	Fc	0.88	2.2	0.1	8.80	22.00	1 Fc Min. Per CBC
East Stair Side 5 1	Illuminance	Fc	7.64	14.2	2.8	2.73	5.07	1 Fc Min. Per CBC
Garage East Pathway Top 1	Illuminance	Fc	3.13	20.9	0.6	5.22	34.83	0.5-1 Fc Avg. Per BOD Light Level Legend
Garage Northeast Elev Threshld 1	Illuminance	Fc	11.8	13.3	10.5	1.13	1.27	10 Fc Min. Per CBC
Garage West and South Pathway Top 1	Illuminance	Fc	2.08	6.3	1.0	2.00	6.30	0.5-1 Fc Avg. Per BOD Light Level Legend
Garage West Elev Threshld	Illuminance	Fc	11.8	12.5	10.8	1.10	1.18	10 Fc Min. Per CBC
Northeast Arcade Ground Top	Illuminance	Fc	5.63	18.1	1.0	5.62	18.10	1 Fc Min. Per CBC, 3-8 Fc Avg. Per BOD Light Level Legend
PAPSS East and Southeast Pathway Top	Illuminance	Fc	2.81	10.8	0.3	9.37	35.33	0.5-1 Fc Avg. Per BOD Light Level Legend
PAPSS Entrance Top 1	Illuminance	Fc	6.04	6.9	4.5	1.34	1.53	1 Fc Min. Per CBC, 3-8 Fc Avg. Per BOD Light Level Legend
PAPSS Garage Entry Top	Illuminance	Fc	2.69	4.1	1.0	2.80	4.10	1 Fc Min. Per IES RP-20-14 Parking Garage Drive Aisle
PAPSS North Pathway Top	Illuminance	Fc	3.78	6.2	1.2	3.13	5.17	0.5-1 Fc Avg. Per BOD Light Level Legend
PAPSS West and South Walkway Top 1	Illuminance	Fc	2.01	18.5	0.6	3.35	30.83	0.5-1 Fc Avg. Per BOD Light Level Legend
PAPSS West Plaza Top 1	Illuminance	Fc	0.98	1.1	0.9	1.09	1.22	0.4 Fc Avg Per IES Plazas & Town Squares Med. Activity LZ3, 1 Fc Min Egress Path
PAPSS West Plaza Top 1	Illuminance	Fc	2.48	7.8	0.8	3.11	9.75	0.4 Fc Avg. Per IES Plazas & Town Squrs. 1 Fc Min. at Egress Per CBC
Ramp	Illuminance	Fc	14.8	69.9	0.0	14.97	89.90	1 Fc Min. Per CBC
Security Vehicle Parking Lot	Illuminance	Fc	7.48	18.0	2.1	3.55	9.05	3 Fc Minimum, 8 Fc Avg., 3:1 Uniformity Per IES G-1-16
West Arcade Ground Top	Illuminance	Fc	4.97	12.8	1.0	4.97	12.60	1 Fc Minimum Per CBC, Egress
West Arcade Ground Top 1	Illuminance	Fc	4.58	12.8	0.0	N.A.	N.A.	1 Fc Min. Per CBC, 3-8 Fc Avg. Per BOD Light Level Legend
West Stairs 1 Side 4	Illuminance	Fc	12.8	14.4	10.8	1.21	1.44	1 Fc Min. Per CBC
West Stairs 2 Top 1	Illuminance	Fc	14.8	16.3	13.3	1.12	1.23	1 Fc Min. Per CBC
West Stairs 3 Side 4 1	Illuminance	Fc	14.8	31.0	1.5	9.79	20.67	1 Fc Min. Per CBC

LUMINAIRE SCHEDULE

Symbol	Qty	Label	Description	Lum. Watts	Lum. Lumens	LLF
●	3	CL1	Cooper Invue Mesa - 28in. Dia. Pole Top Round LED TIV Area Light - MSA-E01-LED-E1-T3-8030	247	2098	0.87
●	25	CL1A	Cooper Invue Mesa - 28in. Dia. Pole Top Round LED TIV Area Light - MSA-E02-LED-E1-T2-8030	521	4152	0.87
●	3	CL1B	Cooper Invue Mesa - 28in. Dia. Pole Top Round LED TIV Area Light - MSA-E04-LED-E1-T4-8030	972	8178	0.87
●	9	E1	BEGA 88 064 - 6in. Round 31in. Tall Pole Mounted Cylindrical LED Area Light	36	3383	0.83
—	11	E10	Lumenpulse LumenFacade - 2.5in. Aperture Surface Mounted Linear LED 30x60 Optic Adjustable Facade Light - LOG HO-120-48-35K 12XPE2-30x60-SI-ND	60.39	3665	0.63
—	27	E2	BEGA 22 360 - 12.5in. X 4.5in. Wall Mid. Rectangular LED Area Light - 22360	20.5	1024	0.63
—	20	E3	BEGA 22 040 - 20.5in. X 5in. Wall Recessed Rectangular LED Lowlevel StepLight - 22 040	19.2	124	0.63
—	92	E4	Luminii Kendo S Wet - 0.7in. Underbench Mid. Linear LED Tape Light in Aluminum Extrusion - KSW-48-30K-SO-C-X-WH-XX	12.9	826	0.63
—	24	E5	Klik Systems LEDPod - 0.25in. Handrail Recessed Round LED Stair Light - PLens-WhiteAsymRef-2W-LED-500mA-LEDP00-3000K-direct	2	107	0.63
—	8	E6	ERCO Lightscan - 12in. X 12in. Column Mounted Square LED Asymmetric Ceiling Uplight - 34447023_V03	60	2496	0.81
—	25	E7	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast in Place Wallwasher - 8445023_V04	10	610	0.81
—	48	E8	A Light D3 Series - 3.5in. Aperture Surface Mid. Linear LED Downlight (MCO 50% LIGHT OUTPUT, 3000K) - D3ALH0UHE	38.9	3316	0.31
—	6	E9	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast in Place Downlight - 84429023_V04	10	735	0.81
—	6	ESA	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast in Place Downlight - 84427023_V04	19	1467	0.81
—	1	ESB	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast in Place Downlight - 84429023_V04	30	2225	0.81
—	2	ESC	ERCO Compact - 5.5in. Aperture Recessed Round LED Cast in Place Downlight - 84431023_V04	36	2367	0.81



LUMINAIRE IMAGES

- NOTES
- ILLUMINANCE CALCULATIONS ARE BASED ON PUBLISHED CALCULATION METHODS AND ARE FOR REFERENCE ONLY. FIELD MEASURED RESULTS MAY DIFFER FROM CALCULATED RESULTS AND ARE DEPENDANT ON A VARIETY OF FACTORS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: MANUFACTURER'S PHOTOMETRY DATA, LINE VOLTAGE, LUMINAIRE PERFORMANCE, TEMPERATURE, AND ACTUAL CONDITION OF FINISHES AND ENVIRONMENT.
 - REFLECTANCE ASSUMPTIONS: WALL/BUILDING REFLECTANCE - 35% GROUND REFLECTANCE - 20%
 - CL1 SERIES LUMINAIRES MOUNTED 14'-0" AFG. E2 SERIES LUMINAIRES MOUNTED 8'-0" AFG. E3 LUMINAIRES MOUNTED 1'-2" AFG. E4 LUMINAIRES MOUNTED 1'-0" AFG. E5 LUMINAIRES MOUNTED 3'-0" AFG AT RAMP. E6 LUMINAIRES MOUNTED 6'-0" AFG. E8 LLD CALCULATED BASED ON LINEAR INTERPOLATION TO 50,000 HOURS FROM MANUFACTURERS REPORTED LIFE.

PHOTOMETRIC STUDY - PALO ALTO PUBLIC SAFETY BUILDING NORTH

SCALE:
1"=20'-0"

	Project	Title	Project No.	Scale	Date	Sheet
	PALO ALTO PUBLIC SAFETY BUILDING	LSK001 R2 - ARB SUBMISSION	B17.07295.000	AS NOTED	08.31.2018	003

SITE LIGHTING PLAN

RossDrulisCusenbery ARCHITECTURE

REVISED

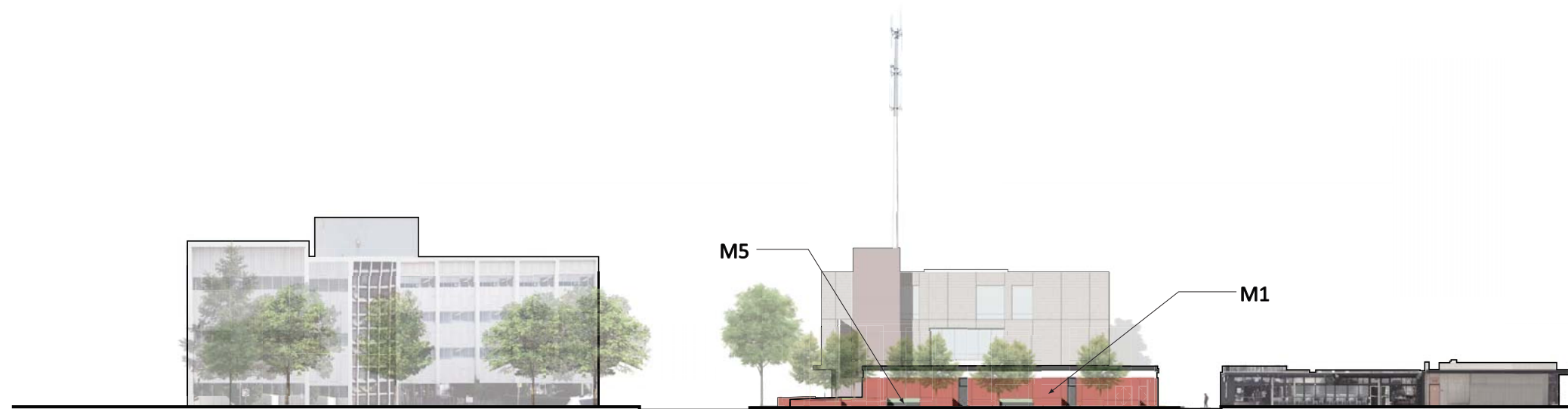
ARB 07.05

PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20

AMENDMENT 01

** This drawing was added to show additional detail regarding the design of the Park Blvd. frontage.*



EAST ELEVATION -- ALONG PARK BLVD



BUILDING ELEVATIONS - EAST (ALONG PARK BLVD)



MATERIALS



CIP Board-formed Concrete, integral color: TerraCotta



Precast Concrete Bench, color: dark grey



Cast-in-Place Concrete sidewalk with integral color: warm tone

AMENDMENT 02

** This drawing was added to show additional detail regarding the design of the Park Blvd. frontage.*



THE PEDESTRIAN SEATING & LANDSCAPING

AMENDMENT 03

** This drawing was added to show additional detail regarding the design of the Park Blvd. frontage. A "before" image is included to the left to show the increase in width and amenity for the pedestrian and bicycle realm.*



Before



After

ARCHITECTURAL CHARACTER & MASSING

RossDrulisCusenbery ARCHITECTURE

ARB AM 03

PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20

MATERIALS



CIP Board-formed Concrete, integral color: TerraCotta

Precast Concrete Bench. color: dark grey

Mortar-in-place Natural Stone color: dark charcoal

Natural Stone bollard & wall color: dark charcoal

CIP Concrete sidewalk, integral color: warm tone

Precast Pavers at Entry. color: warm tone.



Precast Veneer to match wall tile. Color: Warm Tone

AMENDMENT
04

** This drawing was added to emphasize the level of articulation, color, shade, and variety that will animate the Sherman Street pedestrian environment, part of the site-wide "pedestrian ribbon."*



THE PEDESTRIAN "RIBBON" SEATING & LANDSCAPING

ARB AM04

MATERIALS



CIP Board-formed Concrete, integral color: TerraCotta

Precast Concrete Bench. color: dark grey

Mortar-in-place Natural Stone color: dark charcoal

Natural Stone bollard & wall color: dark charcoal

CIP Concrete sidewalk, integral color: warm tone

Precast Pavers at Entry. color: warm tone.



Precast Veneer to match wall tile. Color: Warm Tone

PUBLIC RIBBON



AMENDMENT
05

** This drawing was added to emphasize the level of articulation, color, shade, and variety that will animate the Sherman Street pedestrian environment, part of the site-wide "pedestrian ribbon."*



THE PEDESTRIAN "RIBBON" SEATING & LANDSCAPING

AMENDMENT

06

** This drawing was added to emphasize the level of articulation, color, shade, and variety that will animate the pedestrian environment throughout the site, a continuous experience dubbed the "pedestrian ribbon."*



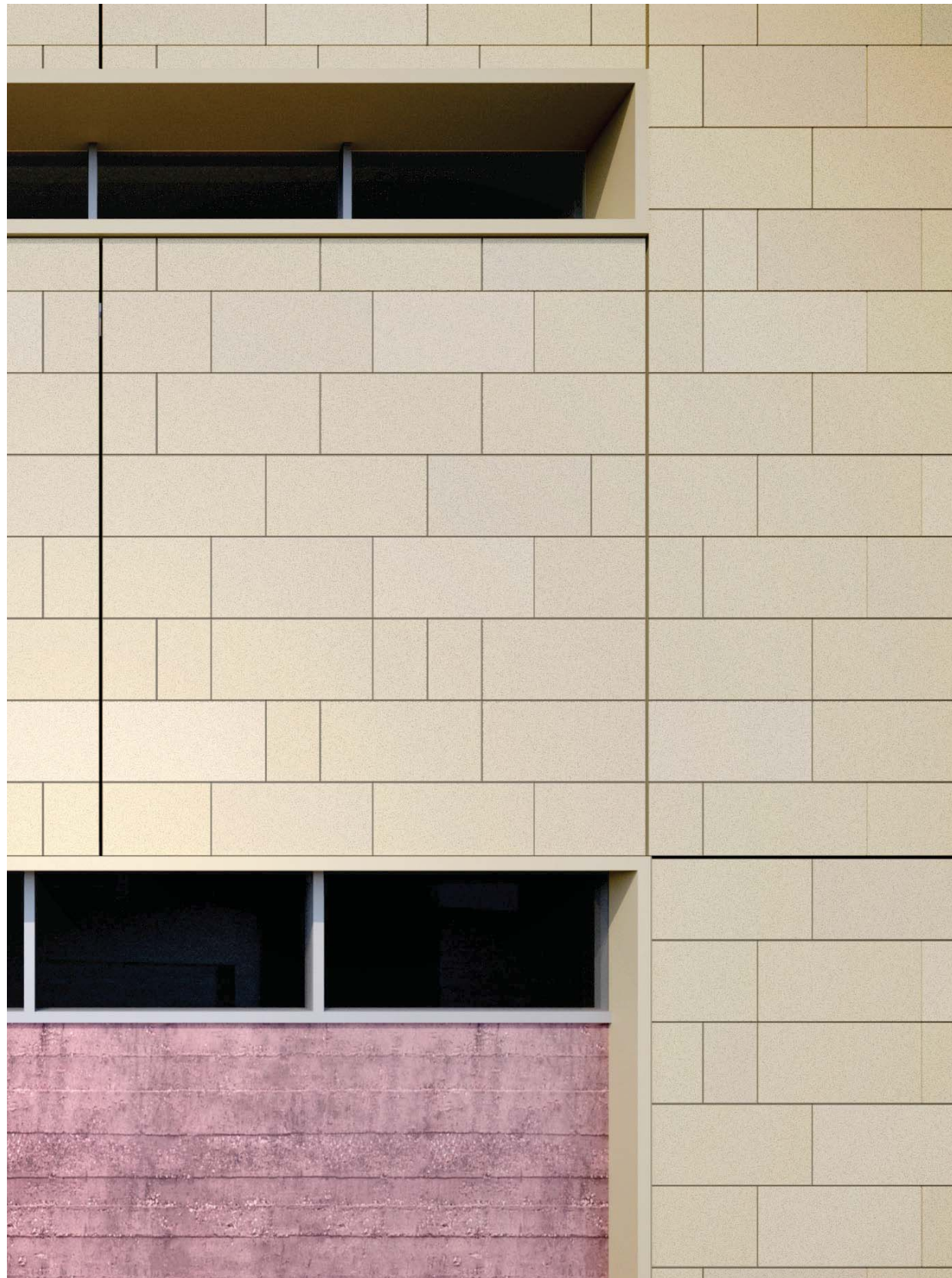
ARCHITECTURAL CHARACTER & MASSING

RossDrulisCusenbery ARCHITECTURE

ARB AM 06

PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20



ARCHITECTURAL CHARACTER & MASSING

RossDrulisCusenbery ARCHITECTURE

AMENDMENT

07

** These drawings were added to provide additional detail regarding the proposed materials palette. Shown here is information on the tile patterns, precast panelization, shadow lines, cast-in-place concrete texture, etc.*



ARB AM 07

PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20

AMENDMENT 08



PLANTING AREA LEGEND

- ⑦ STORMWATER PLANTING
- ⑧ SIDEWALK PLANTING
- ⑨ CA NATIVE/ADAPTED PALETTE 1
- ⑩ CA NATIVE/ADAPTED PALETTE 2
- ⑪ CA NATIVE/ADAPTED PALETTE 3



TREES



BIRCH STREET FRONTAGE PLANTING



SMALL TREES/SHRUBS - SEE SCHEDULE

LANDSCAPE PLANTING PLAN

ARB AM08

AMENDMENT

09

	Species - Botanical Name	Common Name	Size	Spacing	Water Rqmnt.	Native/Adapted	Mature Size
TREES							
T1	<i>Arbutus 'Marina'</i>	Strawberry Tree	24" BOX	AS SHOWN	LOW	NATIVE	25'-40' H X 20'-30' W
T2	<i>Koelreuteria paniculata</i>	Golden Raintree	24" BOX	AS SHOWN	MOD	ADAPTED	20'-35' H X 25'-40' W
T3	<i>Platanus X acerifolia 'Columbia'</i>	London Plane	24" BOX	AS SHOWN	MOD	ADAPTED	40'-80' H X 30-40' W
T4	<i>Platanus racemosa</i>	California Sycamore	24" BOX	AS SHOWN	LOW/MOD	NATIVE	30'-80' H X 20'-50' W
T5	<i>Quercus subur</i>	Cork Oak	24" BOX	AS SHOWN	LOW/MOD	NATIVE	30'-60' H X 30'-60' W
T6	<i>Ulmus parvifolia</i>	Chinese Elm	24" BOX	AS SHOWN	REG	ADAPTED	40'-60' H X 50'-60' W
SMALL TREES/SHRUBS							
S1	<i>Cercis occidentalis</i>	Western Redbud	15 GAL.	AS SHOWN	LOW	NATIVE	12'-18' H X 12'-18' W
S2	<i>Grevillea sp.</i>	Grevillea	15 GAL.	AS SHOWN	LOW	NATIVE	
S3	<i>Heteromeles arbutifolia</i>	Toyon	15 GAL.	AS SHOWN	LOW	NATIVE	6'-15' H x 15'-20' W
S4	<i>Lantana hybrid 'Dwarf Yellow'</i>	Lantana	5 GAL.	6' O.C.	LOW	ADAPTED	2' H x 4'-6' W
S5	<i>Prunus illicifolia lyonii</i>	Catalina Cherry	15 GAL.	AS SHOWN	LOW	NATIVE	15'-20' H X 15'-20' W
S6	<i>Rhamnus californica 'Little Sur'</i>	Little Sur Coffee Berry	5 GAL.	AS SHOWN	LOW	NATIVE	3'-4' H X 3'-4' W
S7	<i>Rosmarinus officinalis 'Prostratus'</i>	Dwarf Trailing Rosemary	5 GAL.	6' O.C.	LOW/MOD	ADAPTED	2' H x 4'-6' W
PERENNIALS/GRASSES/FERNS							
P1	<i>Achillea filipendula 'Cloth of Gold'</i>	Fern leaf Yarrow	5 GAL.	3' O.C.	LOW/MOD	ADAPTED	4' H x 3' W
P2	<i>Anigozanthos hybrid 'Harmony'</i>	Kangaroo Paws	5 GAL.	3' O.C.	MOD/REG	ADAPTED	4'-6' H x 3' W
G1	<i>Calamagrostis x acutifolia 'Karl Forester'</i>	Feather Reed Grass	1 GAL.	3' O.C.	LOW/MOD	NATIVE	2'-3' H x 2'-3' W
G2	<i>Carex sp.</i>	Sedges	1 GAL.	1'-2' O.C.	LOW/MOD	NATIVE	2' H x 2' W MAX
G3	<i>Chondropetulum tectorum 'El Campo'</i>	Small Cape Rush	5 GAL.	3' O.C.	REG	ADAPTED	2'-3' H x 3'-4' W
P3	<i>Epilobium canum</i>	California Fuschia	5 GAL.	3' O.C.	LOW/MOD	NATIVE	3'-4' H X 3'-4' W
P4	<i>Eschscholzia californica</i>	California Poppy	1 GAL.	3' O.C.	LOW/MOD	NATIVE	
G4	<i>Festuca californica 'Horse Mountain Green'</i>	California Fescue	5 GAL.	3' O.C.	REG	NATIVE	2'-3' H x 1'-2' W
P5	<i>Frageria chiloensis</i>	Beach Strawberry	1 GAL.	1.5' O.C.	REG	NATIVE	8 in H x 1'-2' W
P6	<i>Gallardia grandiflora</i>	Blanket Flower	1 GAL.	1.5' O.C.	MOD	NATIVE	2'-4' H x 1.5' W
G5	<i>Lomandra longifolia 'Breeze'</i>	Dwarf Mat Rush	5 GAL.	3' O.C.	LOW	ADAPTED	2'-3' H x 2'-4' W
P7	<i>Lysimachia nummularia 'Goldilocks'</i>	Creeping Jenny	1 GAL.	2' O.C.	MOD/REG	-	4'-8" H x 2' W
P8	<i>Mimulus aurantiacus</i>	Sticky Monkey Flower	1 GAL.	4' O.C.	REG	NATIVE	4' H x 4' W
G6	<i>Muhlenbergia rigens</i>	Deer Grass	5 GAL.	4' O.C.	LOW/MOD	NATIVE	4' H x 4' W
P9	<i>Penstemon heterophyllus 'Blue Springs'</i>	Penstemon 'Blue Springs'	1 GAL.	1.5' O.C.	LOW/MOD	NATIVE	1 1/2' H x 1 1/2' W
P10	<i>Perovskia atriplicifolia</i>	Russian Sage	5 GAL.	4' O.C.	LOW/MOD	ADAPTED	3'-4' H X 3'-4' W
P11	<i>Polystichum munitum</i>	Western Sword Fern	5 GAL.	3' O.C.	REG	NATIVE	2'-4' H x 2'-4' W
P12	<i>Salvia nemorosa 'Caradonna'</i>	Purple Sage	1 GAL.	2' O.C.	MOD/REG	ADAPTED	1.5' - 3' H x 2'-3' W
P13	<i>Salvia sonomensis</i>	Creeping Sage	1 GAL.	3' O.C.	LOW/MOD	NATIVE	8-12 in H x 3-4' W
G7	<i>Stipa arundenacea</i>	Pheasant Tail Grass	5 GAL.	3' O.C.	MOD/REG	ADAPTED	2.5' - 3' H x 3' W
SUCCULENTS (Birch Entry)							
U1	<i>Aeonium arboreum 'Zwartkop'</i>	Aeonium	5 GAL.	4' O.C.	LOW/MOD	ADAPTED	3' H x 3' W
U2	<i>Aloe arborescens</i>	Torch Aloe	5 GAL.	AS SHOWN	LOW/MOD	ADAPTED	6'-8' H x 6'-8' W
U3	<i>Senecio mandraliscae</i>	Senecio	5 GAL.	2' O.C.	LOW/MOD	ADAPTED	1'-1.5' H x 2' W
VINES							
V1	<i>Ficus pumila</i>	Creeping Fig	5 GAL.	AS SHOWN	MOD/REG	ADAPTED	To 30' H

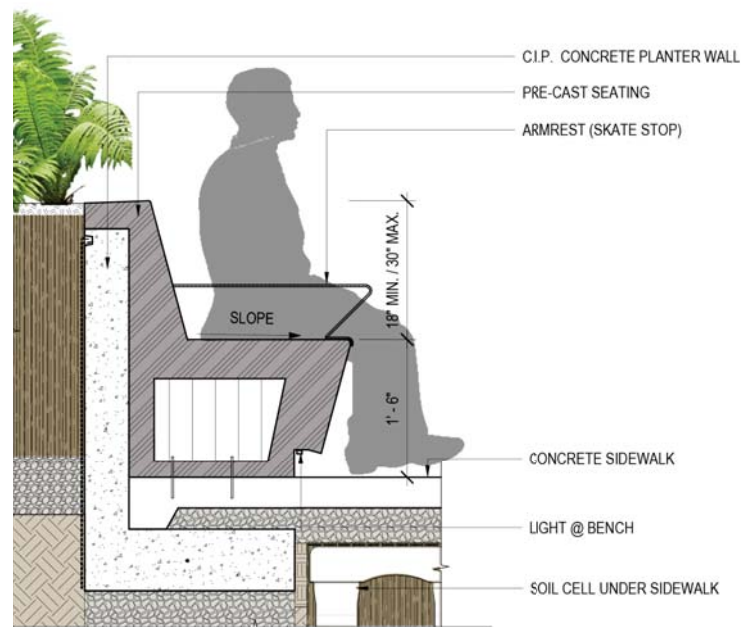
PRELIMINARY PLANTING PALETTE



CA NATIVE/ADAPTED PALETTE AND STORMWATER TREATMENT PLANTING

LANDSCAPE PLANTING PLAN

AMENDMENT 10



4. PRECAST CONCRETE BENCH & PLANTER WALL, TYPICAL.



2. SECTION AT SHERMAN AVE - STEPPED SEATING



3. SECTION AT PARK BLVD - BIKE MINI PLAZA & FIX-IT STATION



1. SECTION AT SHERMAN AVENUE - SEATING & PLANTING

LANDSCAPE STREET SECTION

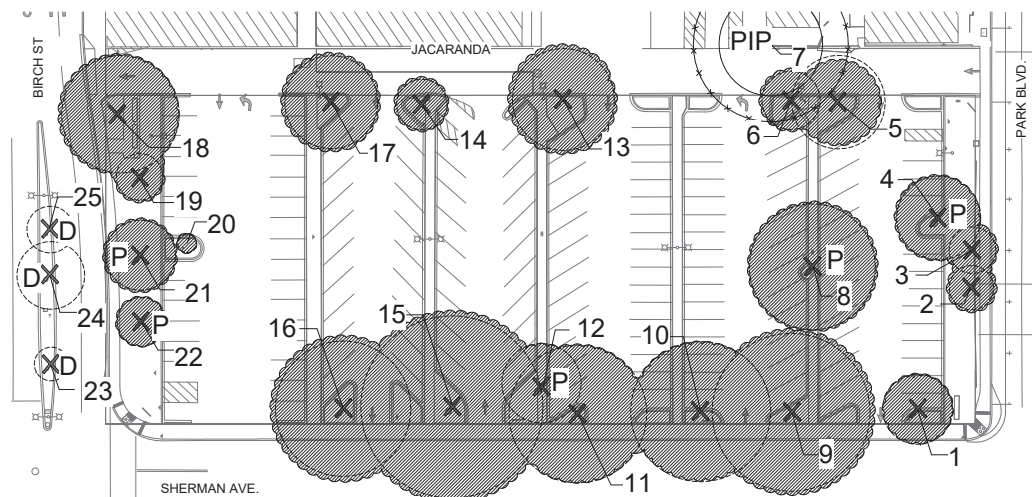
AMENDMENT 11

POLICY GOAL: POLICY 1G FROM THE PALO ALTO URBAN FOREST MASTER PLAN - "STRIVE FOR NO NET LOSS IN CANOPY COVER"

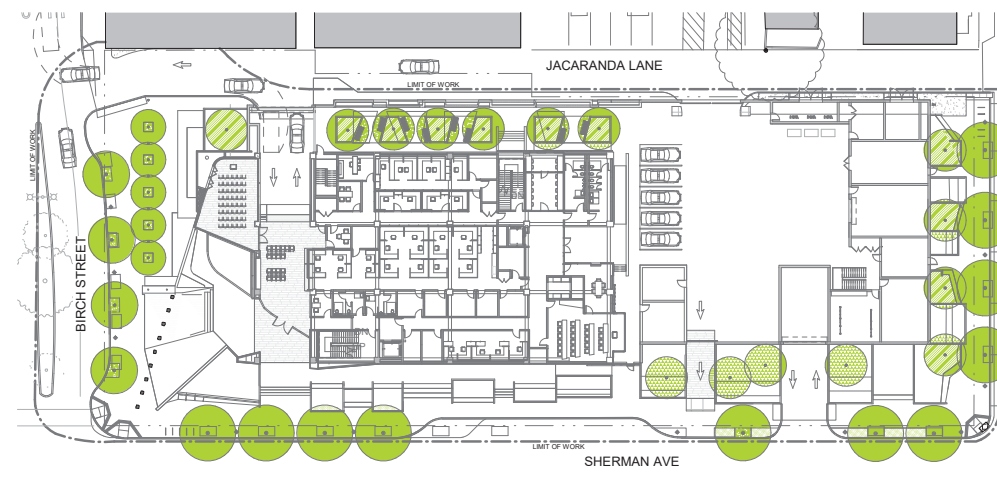
EXISTING TREE CANOPY	
TOTAL TREE CANOPY AREA: (EXCLUDING OVERLAP)	28,450 SQ. FT.
TOTAL TREE CANOPY WIDTH: PER 3/17/2016 ARBORIST REPORT BY DAVID L. BABBY	890' (EXCLUDING #23,24, 25)

PROJECTED TREE CANOPY	
ON-SITE PROPOSED CANOPY OF 35 TREES @ 24" BOX SIZE	10,791 SQ. FT.
OFF-SITE PROPOSED CANOPY OF 57 TREES @ 24" BOX SIZE	17,659 SQ. FT.
TOTAL TREE CANOPY AREA PROPOSED	28,450 SQ. FT.

*OFFSITE TREES TO BE PLANTED WITHIN 1/2 MILE RADIUS AT SIDEWALK LOCATIONS IDENTIFIED BY DPW.



EXISTING TREE CANOPY - 350 SHERMAN AVENUE



PROPOSED TREE CANOPY ON-SITE - 350 SHERMAN AVENUE

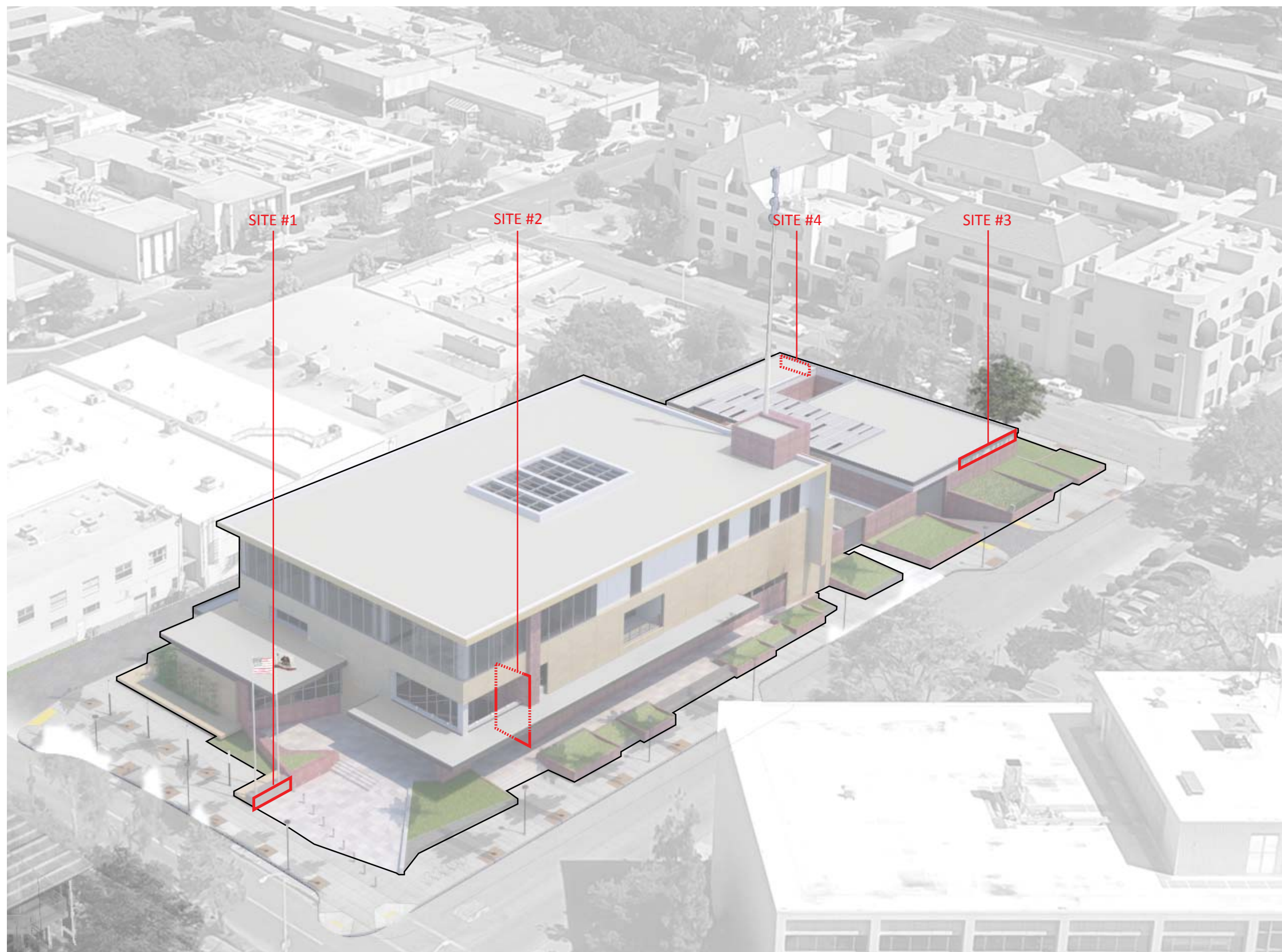
SCALE: NTS 

TREE MITIGATION PLAN - PALO ALTO PUBLIC SAFETY BUILDING

ARB AM11

AMENDMENT 12

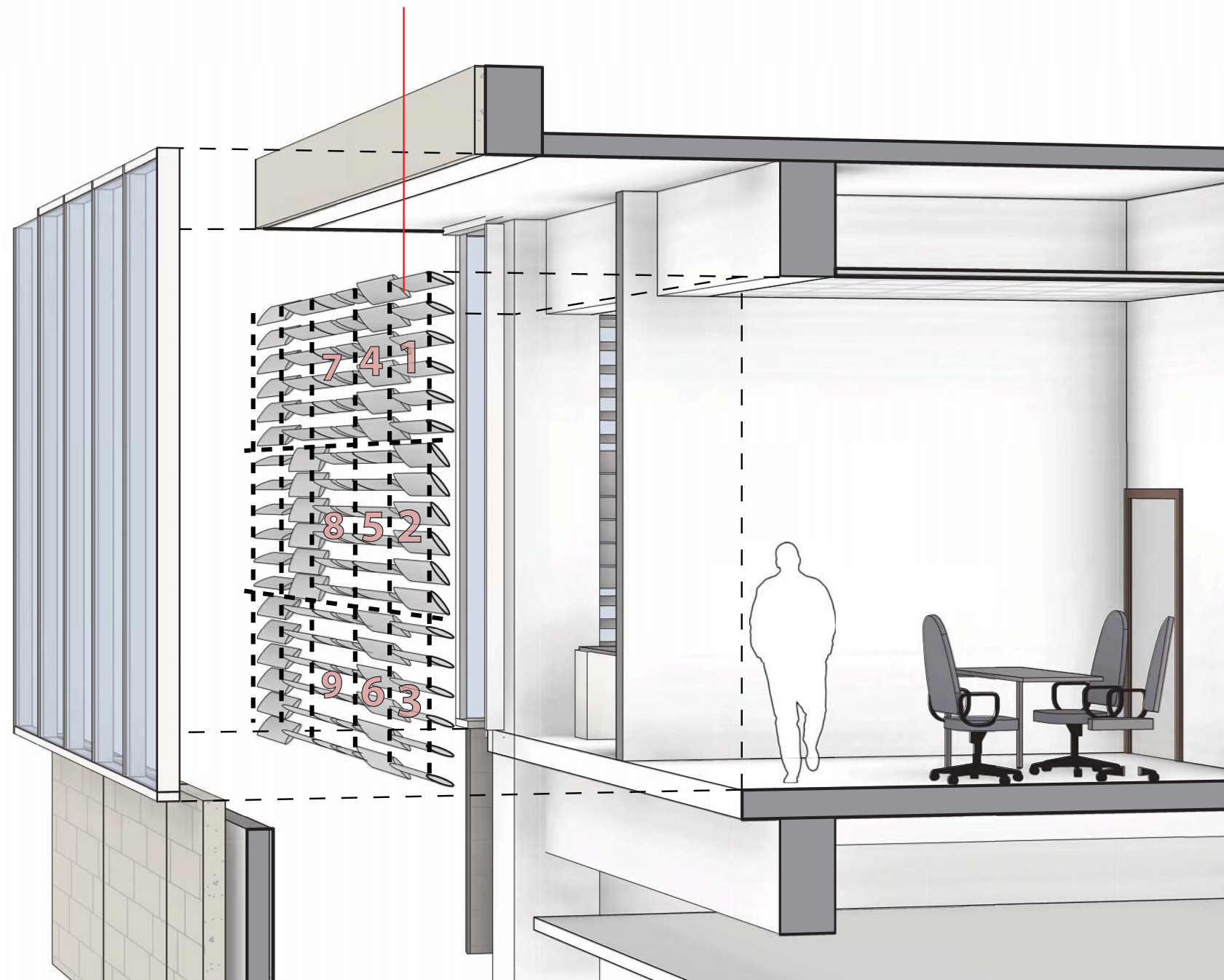
** This drawing was added to show identify proposed building signage locations. Further development of the design of the signage will be the subject of a subsequent signage package.*



SITE / BUILDING SIGNAGE DIAGRAM

AMENDMENT 13

Prototypical louver control configuration, with each "panel" (as numbered) operated independently of the others. Result will be a constantly changing, random configuration based on optimizing light control, view control, and user comfort



** This drawing was added to provide additional detail on the proposed louver system on Level 03.*



LOUVER OPERATION DIAGRAM

RossDrulisCusenbery ARCHITECTURE

ARB AM 13

PALO ALTO PUBLIC SAFETY BUILDING

2018.09.20