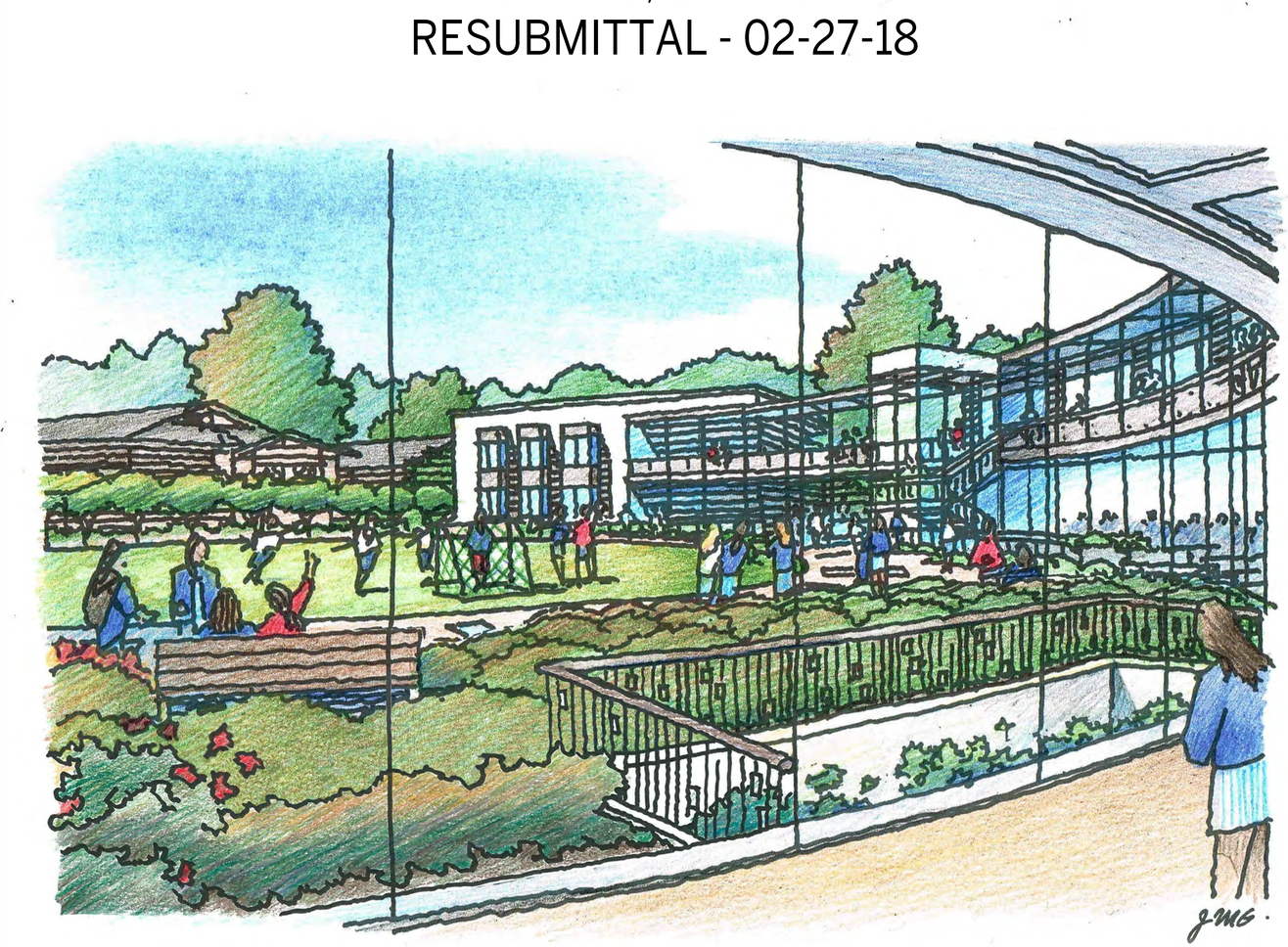
CASTILLEJA SCHOOL

CONDITIONAL USE PERMIT & MASTER PLAN SUBMITTAL

PALO ALTO, CALIFORNIA
RESUBMITTAL - 02-27-18



VICINITY MAP - N.T.S.

PROJECT DIRECTORY

OWNER	CASTILLEJA SCHOOL 1310 BRYANT STREET PALO ALTO, CA 94301 650-470-7751
ARCHITECT	STEINBERG HART 125 S. MARKET STREET, SUITE 110 SAN JOSE, CA 95113 ROB BARTHELMAN 408-427-4143 RBARTHELMAN@STEINBERGHART.COM
CIVIL ENGINEER	SANDIS ENGINEERS 1700 WINCHESTER BOULEVARD CAMPBELL, CA 95008 CHAD BROWNING 408-636-0900 CBROWNING@SANDIS.NET
LANDSCAPE ARCHITECT	WINTERBOTHAM PARTNERSHIP 1134 CRANE STREET, SUITE 216 MENLO PARK, CA 94025 LINN WINTERBOTHAM 650-823-0291 WINTERBOTHAM@JPS.NET
ACOUSTIC	SALTER ASSOCIATES 100 WEST SAN FERNANDO, SUITE 430 SAN JOSE, CA 95113 PHILIP SANDERS 408-295-4944 PHILIP.SANDERS@CMSALTER.COM
ARCHITECTURAL ILLUSTRATION	18581 JAYHAWK DRIVE PENN VALLEY, CA 95946 JEFFREY GEORGE 530-432-5735 JMGEORGE@IX.NETCOM.COM
ARBORIST	7327 LANGLEY CANYON ROAD PRUNEDALE, CA 93907 MICHAEL BENCH 831-594-5151 MICHAELBENCH@SBCGLOBAL.NET
TRAFFIC	FEHR AND PEERS 160 W. SANTA CLARA, SUITE 675 SAN JOSE, CA 95113 ROBERT ECKOLS 408-645-7021 R.ECKOLS@FEHRANDPEERS.COM
GREEN BUILDING CONSULTANT	DESIGN AVEnues, LLC 115 ANGELITA AVENUE PACIFICA, CALIFORNIA 94044 ANN EDMINSTER 650-355-9150 ANN@ANNEDMINSTER.COM
TDM CONSULTING	NELSON NYGAARD CONSULTING 116 NEW MONTGOMERY ST., SUITE 500 SAN FRANCISCO, CA 94105 NELSON NYGAARD & BRIAN CANEPA 415-284-1544 INFO@NELSONNYGAARD.COM
GARAGE ARCHITECT	ARCHIRENDER ARCHITECT 32245 DERBY STREET UNION CITY, CA 94587 510-585-6445 MAIL@ARCHIRENDER.COM

EXISTING BUILDINGS TO BE DEMOLISHED	
BUILDING	EXISTING ABOVE GRADE SF*
FINE ARTS BLDG	5,868
MAINTENANCE	1,901
CAMPUS CENTER	33,600
CLASSROOM BLDGS	42,000
POOL EQUIPMENT BLDG	1,203
TOTAL	**84,572**
PROPOSED NEW BUILDING SF 84,572 (ABOVE GRADE)	

* PER CITY OF PALO ALTO HISTORIC PERMIT RECORD

EXISTING BUILDINGS TO REMAIN:

ADMINISTRATION/CHAPEL: 17,781 SF (ABOVE GRADE)
FITNESS/ATHLETICS: 13,944 SF (ABOVE GRADE)

SHEET INDEX

PROJECT DESCRIPTION AND INFORMATION

(1) ONE NEW TWO-STORY AND BASEMENT ACADEMIC BUILDING (+/- 84,572 SF ABOVE GRADE, EXCLUDING RESIDENCES). TOTAL SURFACE PARKING PROVIDED IS +/- 27 STALLS.

ADDRESS	1310 BRYANT STREET PALO ALTO, CA 94301
ASSESSOR'S PARCEL NUMBER	124-12-34 124-12-33 124-12-31
ZONE DISTRICT	R-1 (10,000)
NET PROPERTY AREA	6.58 ACRES (286,783 SF)

PROJECT DETAIL	MASTER PLAN PROPOSED	CURRENT PROPERTY
ABOVE GRADE S.F.	116,297 SF	***122,318 SF
BASEMENT S.F.	90,313 SF	43,913 SF
TOTAL SQUARE FOOTAGE (INCLUDING BASEMENTS)	206,610 SF	166,231 SF
FLOOR AREA RATIO	**0.41	0.43
MAXIMUM BUILDING HEIGHT	*30'-0"	34'-6"
SETBACKS	ACTUAL SETBACK	ACTUAL SETBACK
EMERSON (20'-0" MIN.)	20' - 0" to 71'-0"	20' - 0" to 22'-0"
KELLOGG (20'-0" MIN.)	20' - 0" to 31'-8"	27'-9" to 31' - 8"
BRYANT (20'-0" MIN.)	20' - 0" to 34'-0"	22'-0" - 52' - 9"
EMBARCADERO (24'-0" MIN.)	108' - 6"	108' - 6"
ON-SITE PARKING SPACES	142 SPACES	74 SPACES
UNDERGROUND SPACES	115 SPACES	0 SPACES
SURFACE SPACES	27 SPACES	74 SPACES
NET PROPERTY AREA	286,783 SF	286,783 SF
ALLOWABLE SITE COVERAGE	100,374 SF (35.0%)	100,374 SF (35.0%)
ACTUAL SITE COVERAGE	83,043 Sf (30.0%)	65,273 SF (22.8%)
OPEN SPACE	126,621 SF	116,203 SF

* 33'-0" MAX HEIGHT FOR BUILDINGS WITH A ROOF PITCH OF 12:12 OR GREATER

** THE APPLICATION INCLUDES A VARIANCE REQUEST TO MAINTAIN EXISTING FAR OF NO MORE THAN THAT WHICH CURRENTLY EXISTS AT THE PROPERTY. THIS WILL BE ACCOMPLISHED BY DECOMMISSIONING CERTAIN BUILDINGS/IMPROVEMENTS AND REPURPOSING SUCH FLOOR AREA INTO A SINGLE NEW BUILDING.

***INCLUDES LOCKEY ALUMNAE HOUSE AND RENTAL HOUSE

EXISTING NON-COMPLYING FEATURES		
BUILDING HEIGHT	*30'-0" PROPOSED	34'-6" EXISTING
* 33'-0" MAX HEIGHT FOR BUILDINGS WITH A ROOF PITCH OF 12:12 OR GREATER		

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REV	DATE	ISSUE
	02.27.18	CUP RESUBMITTAL
	04.28.17	CUP RESUBMITTAL
	06.30.16	CUP SUBMITTAL

Castilleja School Campus Master Plan

1310 Bryant Street
Palo Alto, CA 94301

0 1' 5' 10' 20' 40'

TITLE SHEET

PROJECT #:11006
DATE: 02/27/18
SCALE:

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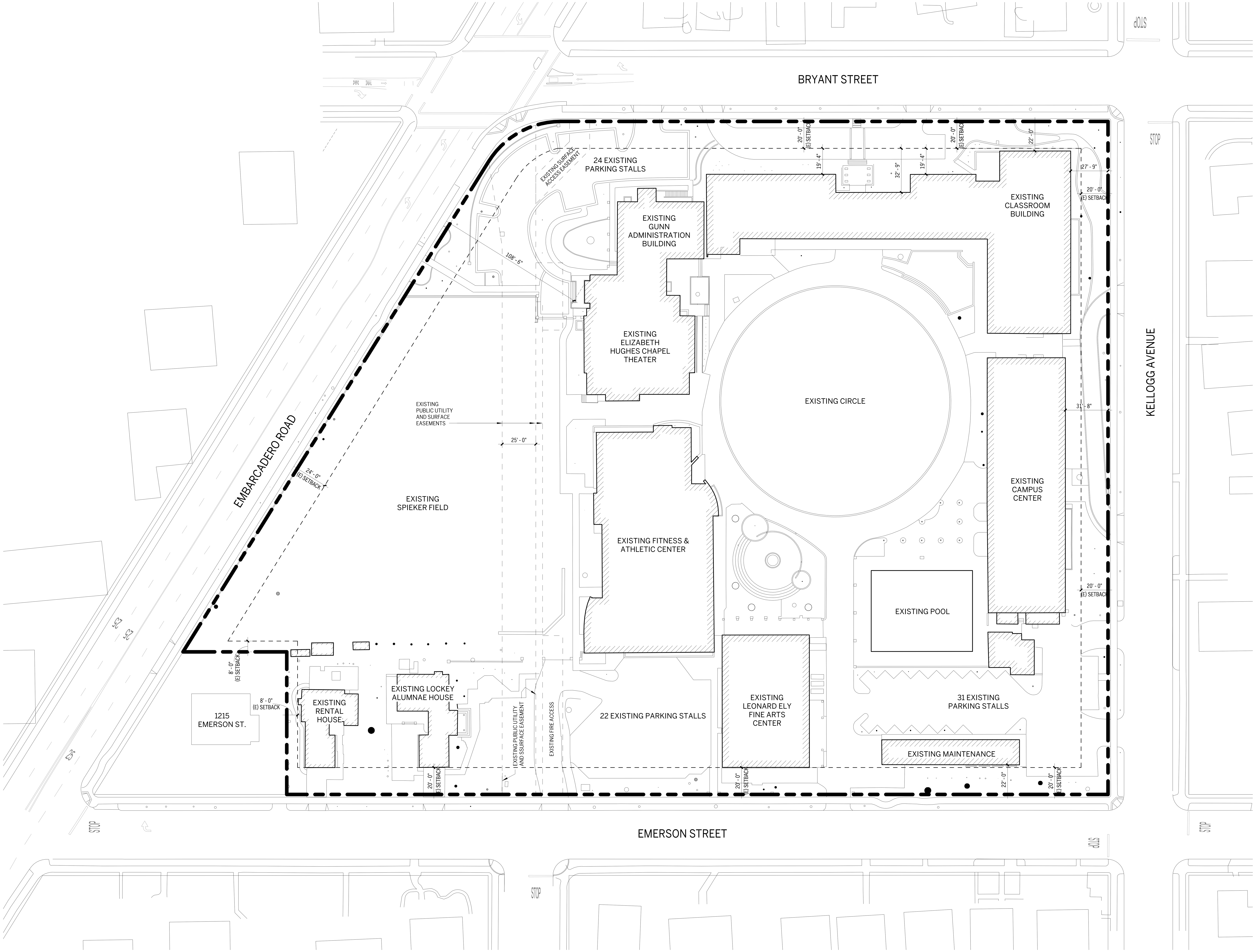

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Castilleja School Campus Master Plan

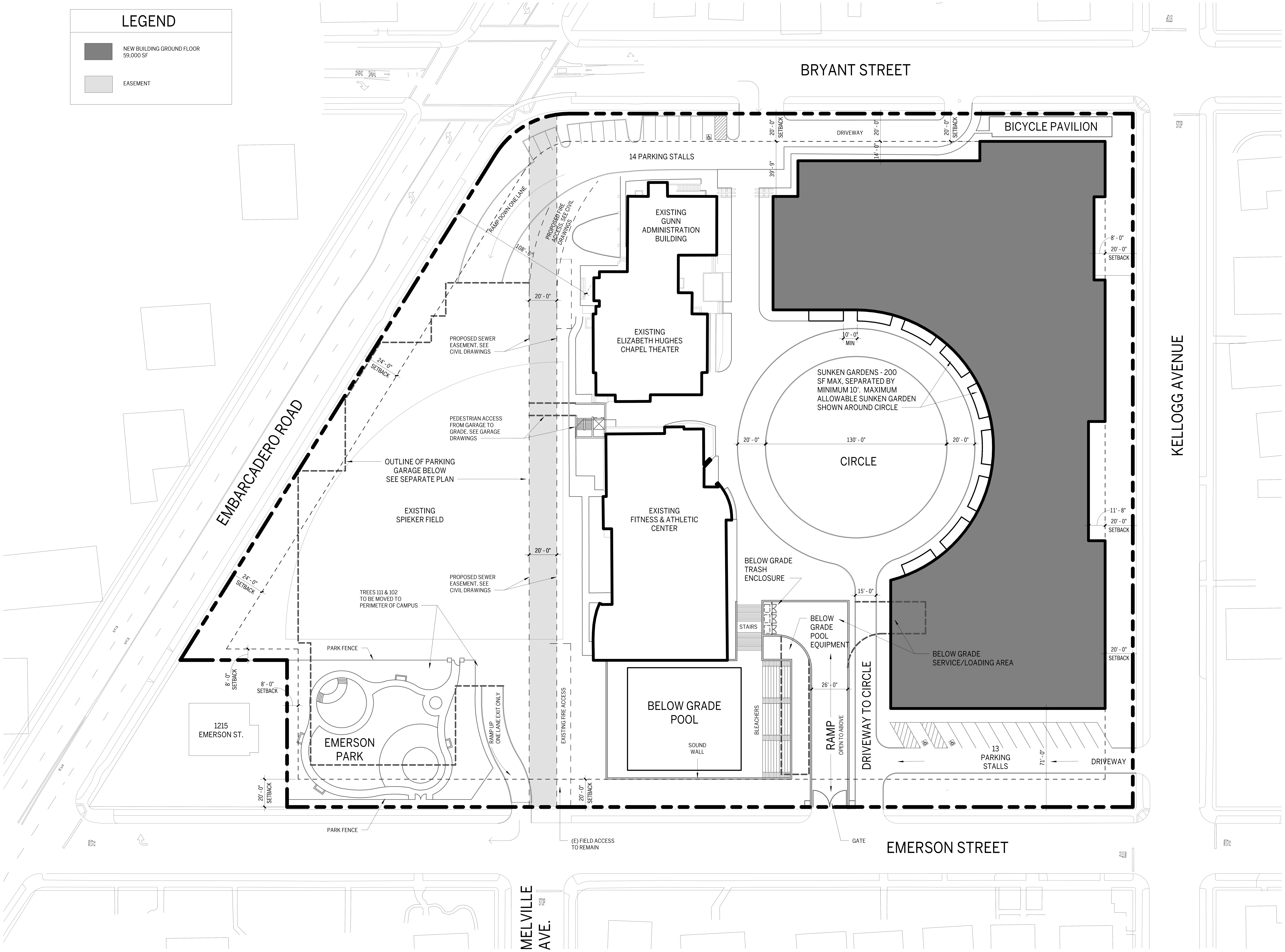
1310 Bryant Street
Palo Alto, CA 94301

0 1' 8' 16' 32' 64'

EXISTING SITE PLAN

PROJECT #:11006
DATE: 02/27/18
SCALE: 1/32" = 1'-0"

A2.0



LEGEND
NEW BUILDING GROUND FLOOR
59,000 SF
EASEMENT
BRYANT STREET
BICYCLE PAVILION
DRIVEWAY
14 PARKING STALLS
EXISTING
GUNN
ADMINISTRATION
BUILDING
EXISTING
ELIZABETH HUGHES
CHAPEL THEATER
RAMP DOWN ONE LANE
PROPOSED FIRE ACCESS, SEE CIVIL DRAWINGS
PROPOSED SEWER
EASEMENT, SEE
CIVIL DRAWINGS
PEDESTRIAN ACCESS
FROM GARAGE TO
GRADE. SEE GARAGE
DRAWINGS
OUTLINE OF PARKING
GARAGE BELOW
SEE SEPARATE PLAN
EXISTING
SPIEKER FIELD
EMBARCADERO ROAD
SUNKEN GARDENS - 200
SF MAX, SEPARATED BY
MINIMUM 10'. MAXIMUM
ALLOWABLE SUNKEN GARDEN
SHOWN AROUND CIRCLE
CIRCLE
130' - 0"
KELLOGG AVENUE
EXISTING
FITNESS & ATHLETIC
CENTER
BELOW GRADE
TRASH
ENCLOSURE
STAIRS
BELOW
GRADE
POOL
EQUIPMENT
BELOW GRADE
SERVICE/LOADING AREA
TREES 111 & 102
TO BE MOVED TO
PERIMETER OF CAMPUS
PARK FENCE
EMERSON
PARK
1215
EMERSON ST.
RAMP UP
ONE LANE EXIT ONLY
EXISTING FIRE ACCESS
BELOW GRADE
POOL
SOUND
WALL
BLEACHERS
RAMP
OPEN TO ABOVE
DRIVEWAY TO CIRCLE
13
PARKING
STALLS
DRIVEWAY
(E) FIELD ACCESS
TO REMAIN
GATE
EMERSON STREET
MELVILLE
AVE.
SETBACK

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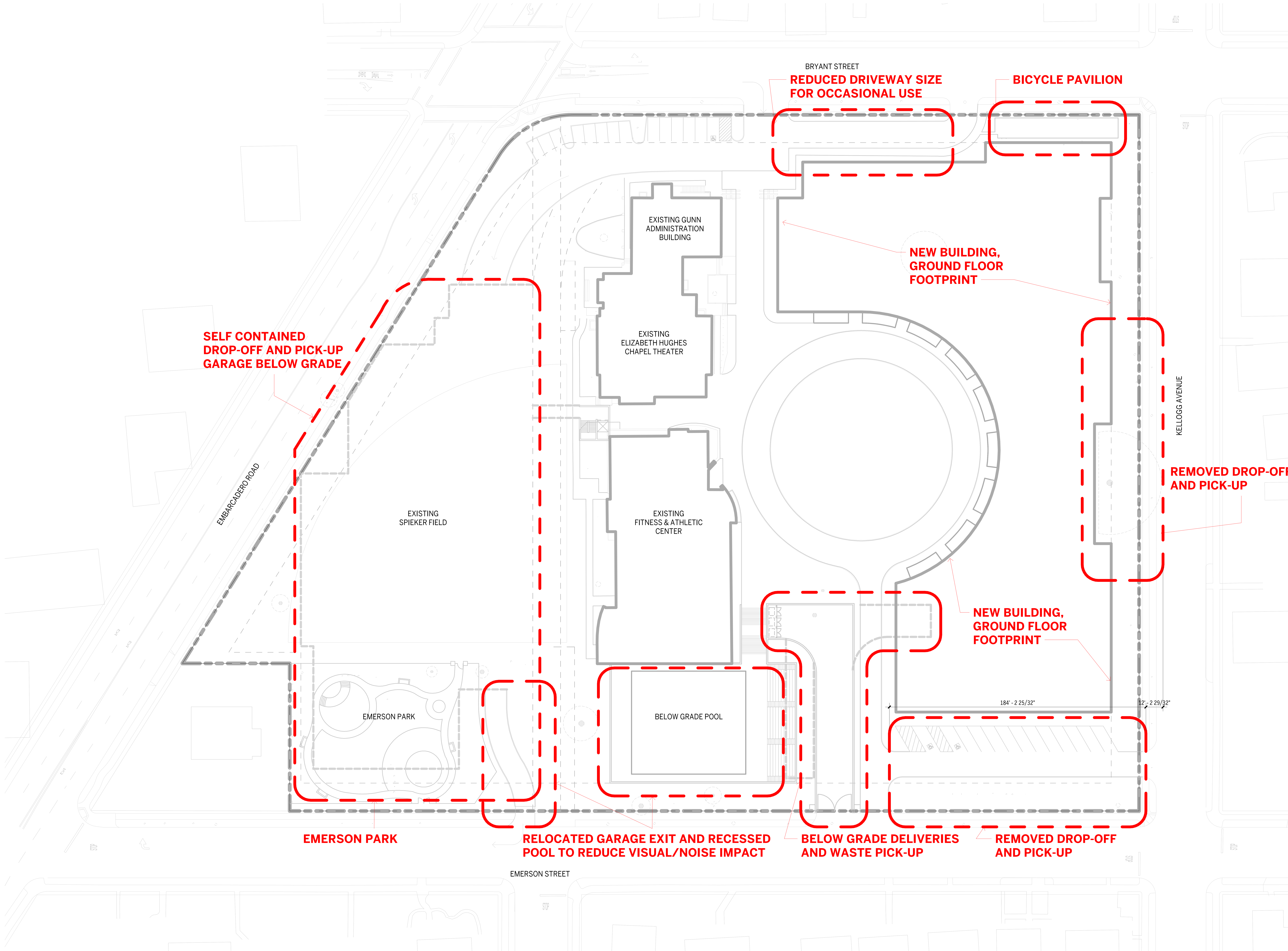
0 1' 8' 16' 32' 64'

PROPOSED MASTER PLAN
FIRST FLOOR

PROJECT #:11006
DATE: 02/27/18
SCALE: 1/32" = 1'-0"

A2.1



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NEIGHBORHOOD IMPACT MITIGATION COMPONENTS

PROJECT #:11006
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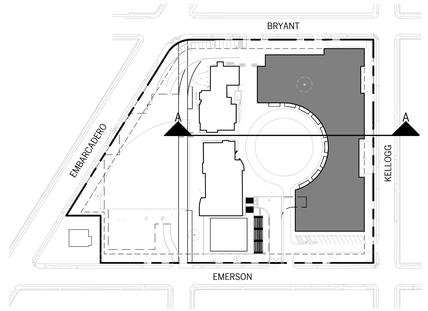
SCALE: 1/32" = 1'-0"

A2.2



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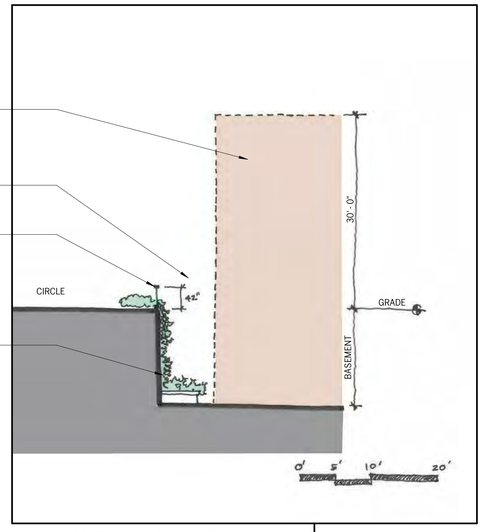
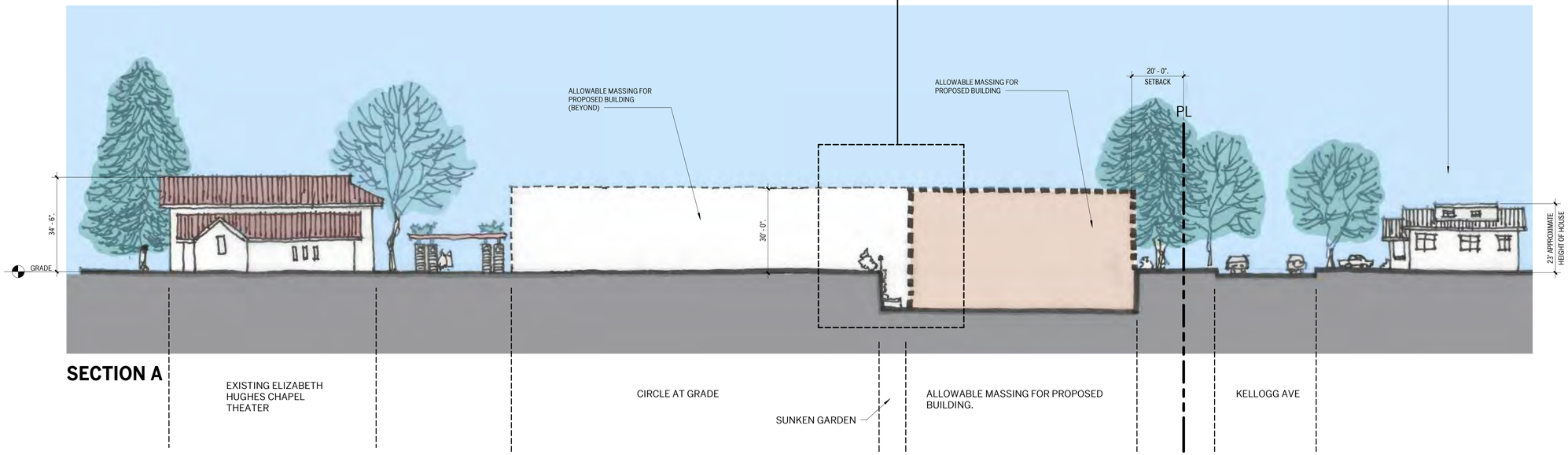


ENLARGED SECTION AT SUNKEN GARDEN

EXISTING KELLOGG HOUSE



SECTION A

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Castilleja School Campus Master Plan

1310 Bryant Street
Palo Alto, CA 94301

0' 1' 5' 10' 20' 40'

VISUAL COMPATABILITY WITH ADJACENT NEIGHBORHOOD STUDY

PROJECT #:11006
DATE: 02/27/18
SCALE: As indicated

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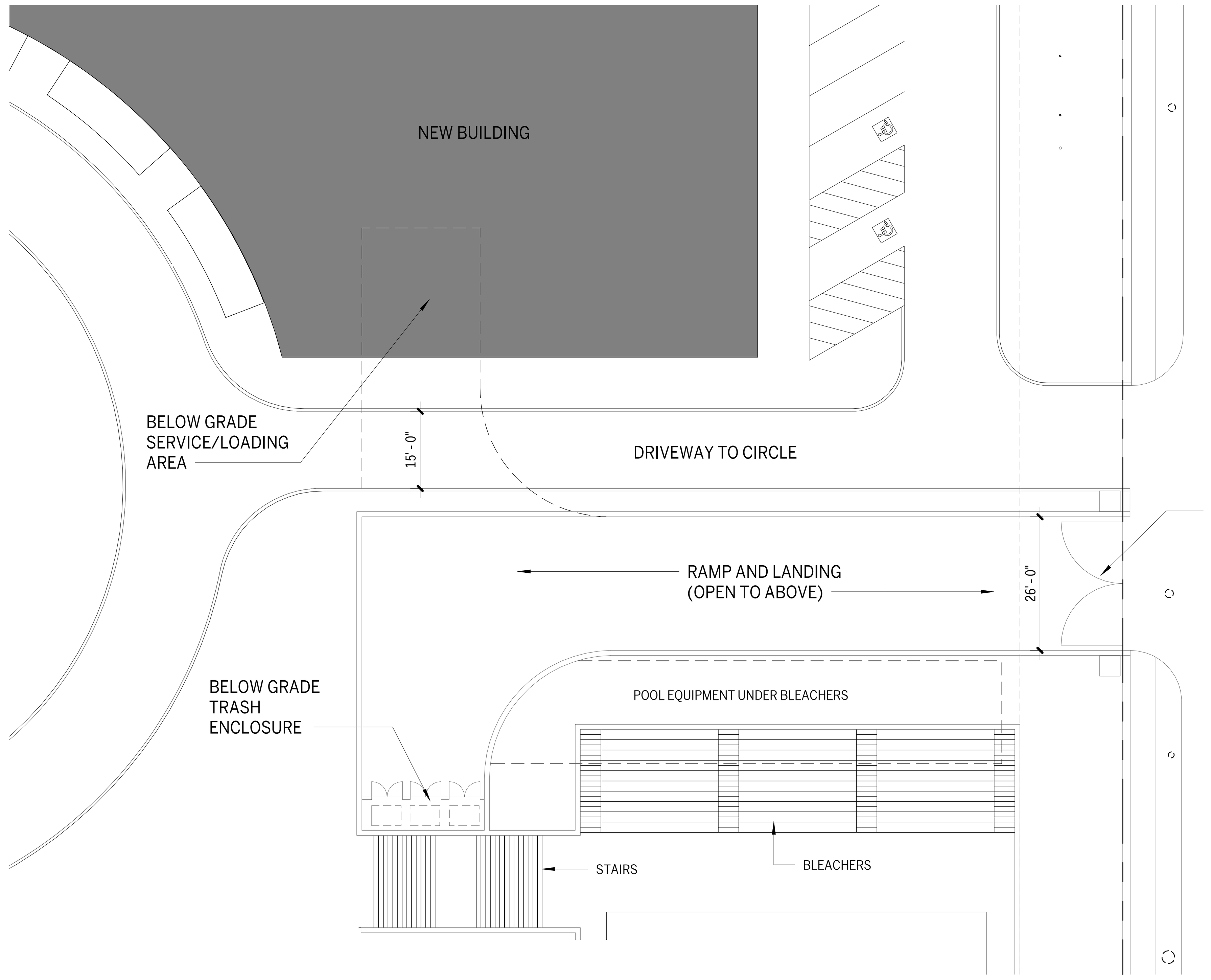
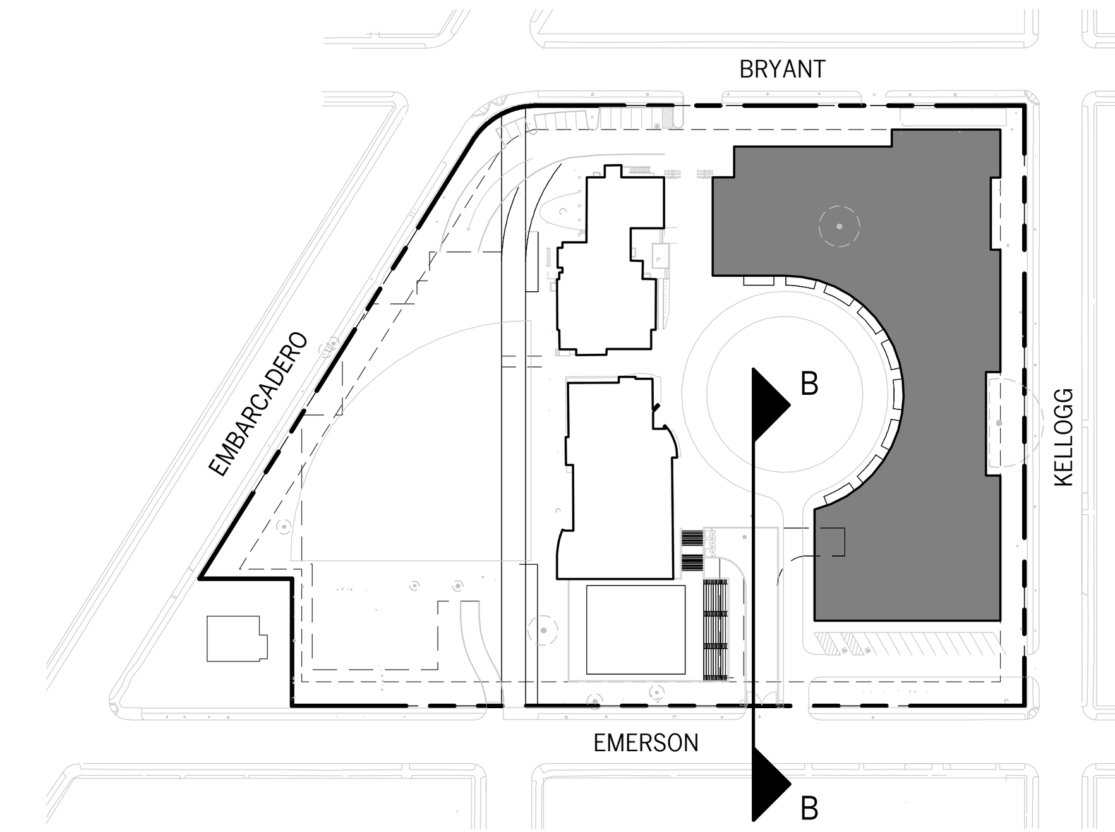
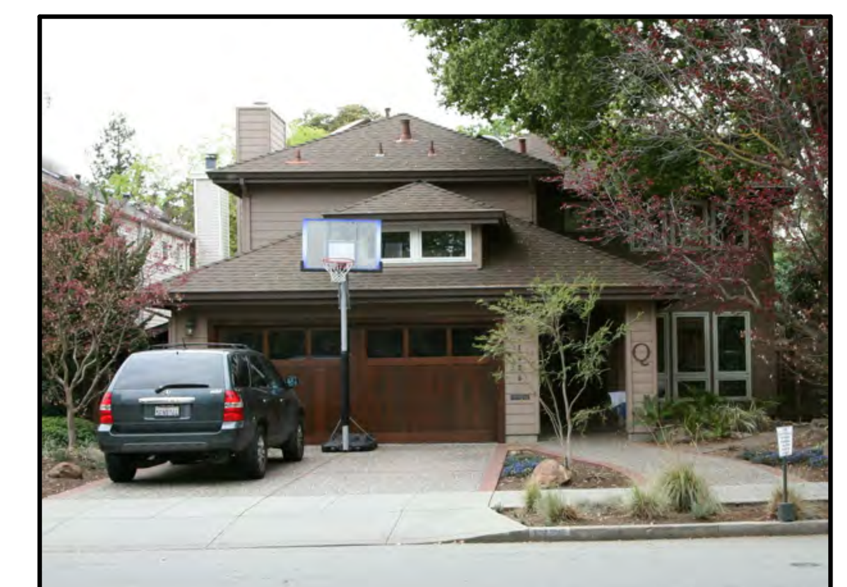
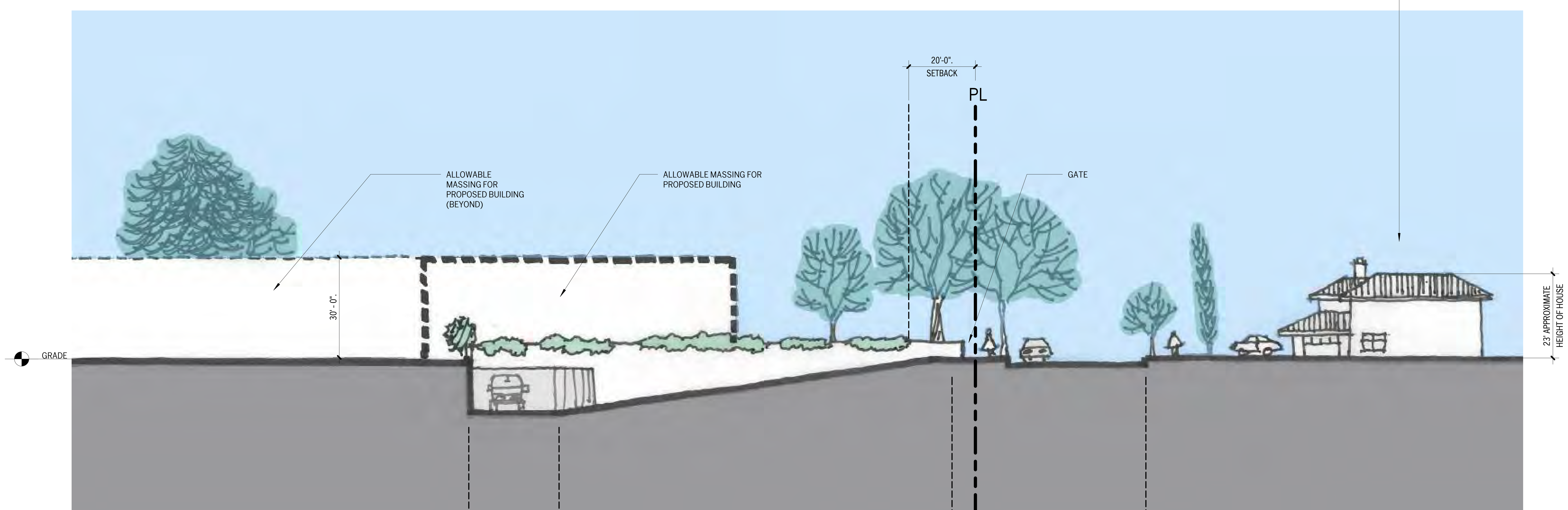


ENLARGED PLAN AT RAMP





EXISTING EMERSON HOUSE



SECTION B

CIRCLE AT GRADE | BELOW GRADE LOADING | RAMP | EMERSON STREET

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VISUAL COMPATABILITY WITH ADJACENT NEIGHBORHOOD STUDY

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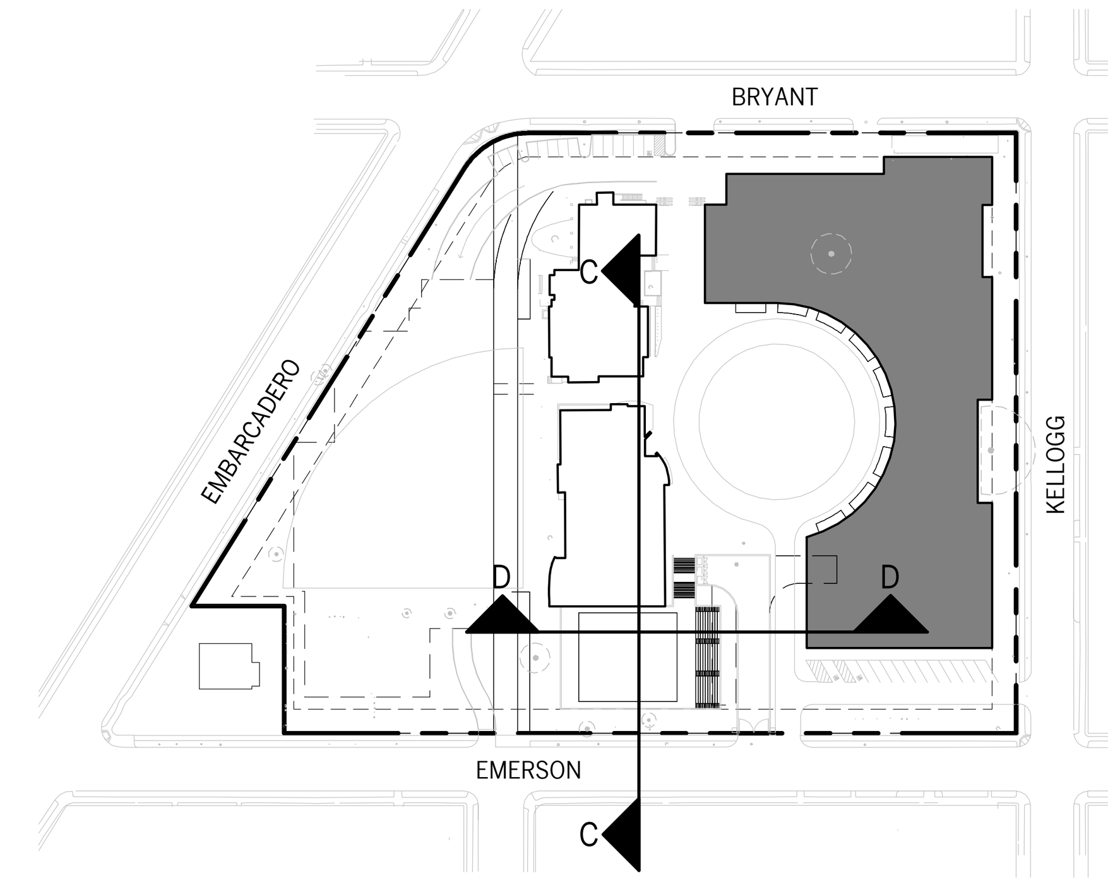

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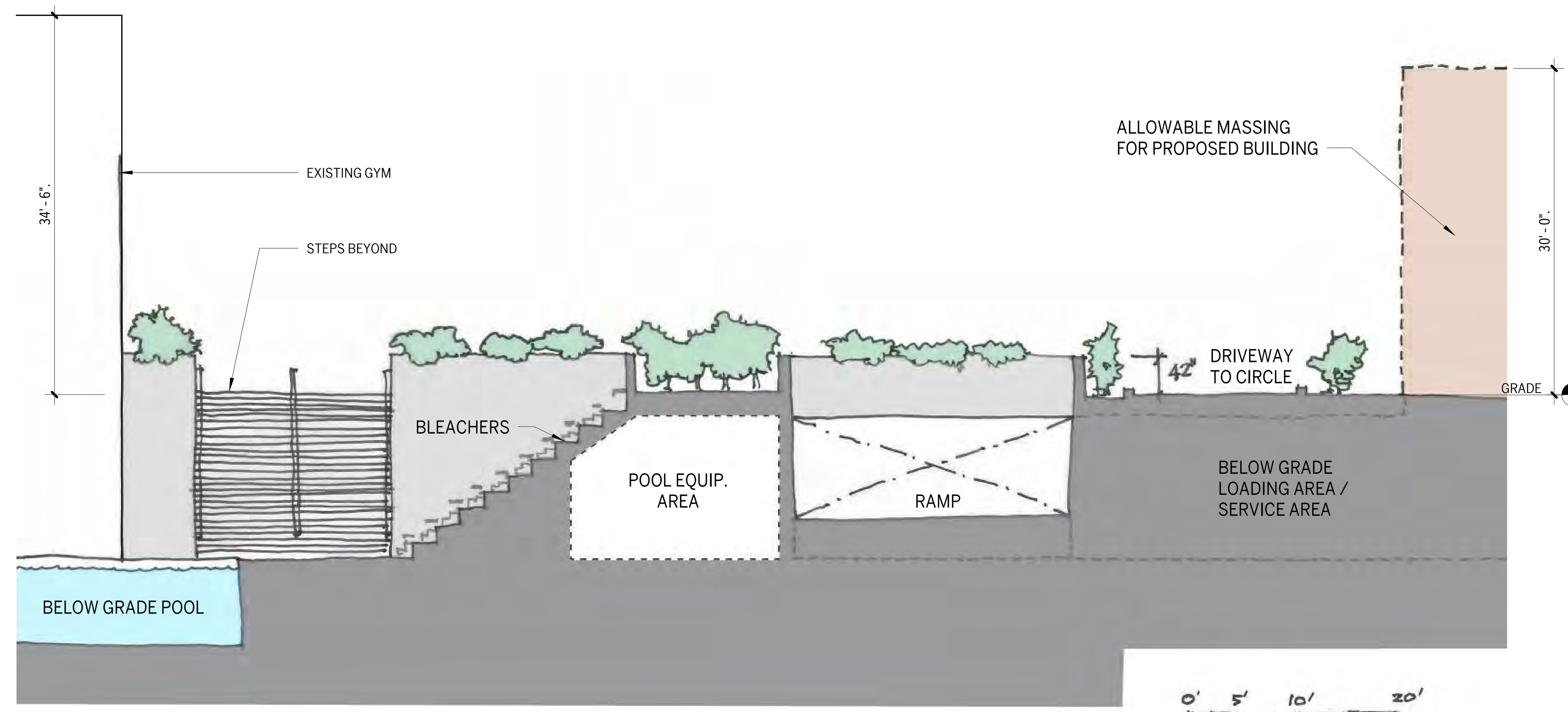

SECTION D

REV	DATE	ISSUE
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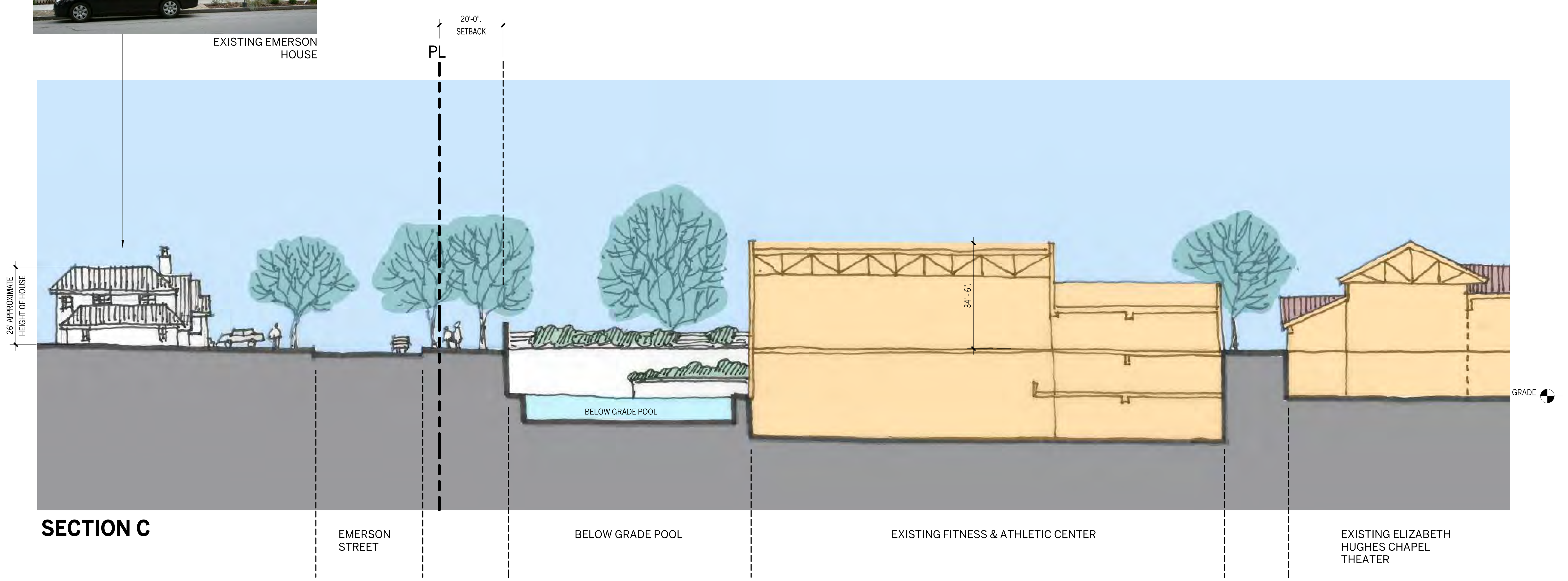
EXISTING EMERSON HOUSE



SECTION C

N

0 1' 5' 10' 20' 40'

Castilleja School Campus Master Plan

1310 Bryant Street
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VISUAL COMPATABILITY
WITH ADJACENT
NEIGHBORHOOD STUDY

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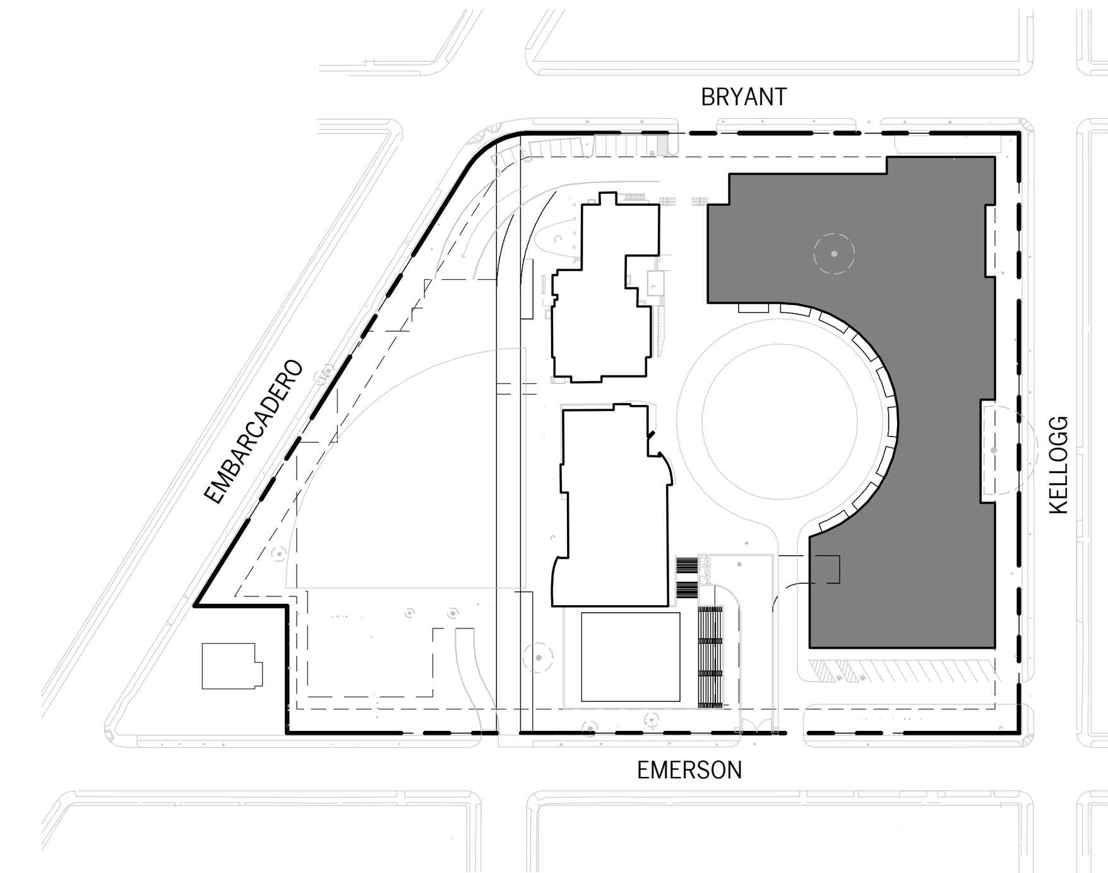
BRYANT STREET

KELLOGG AVENUE

EMERSON STREET

EMERSON STREET

EMBARCADERO ROAD



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Castilleja School Campus Master Plan

1310 Bryant Street
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PHOTO MONTAGE

PROJECT #: 11006
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SCALE: As indicated

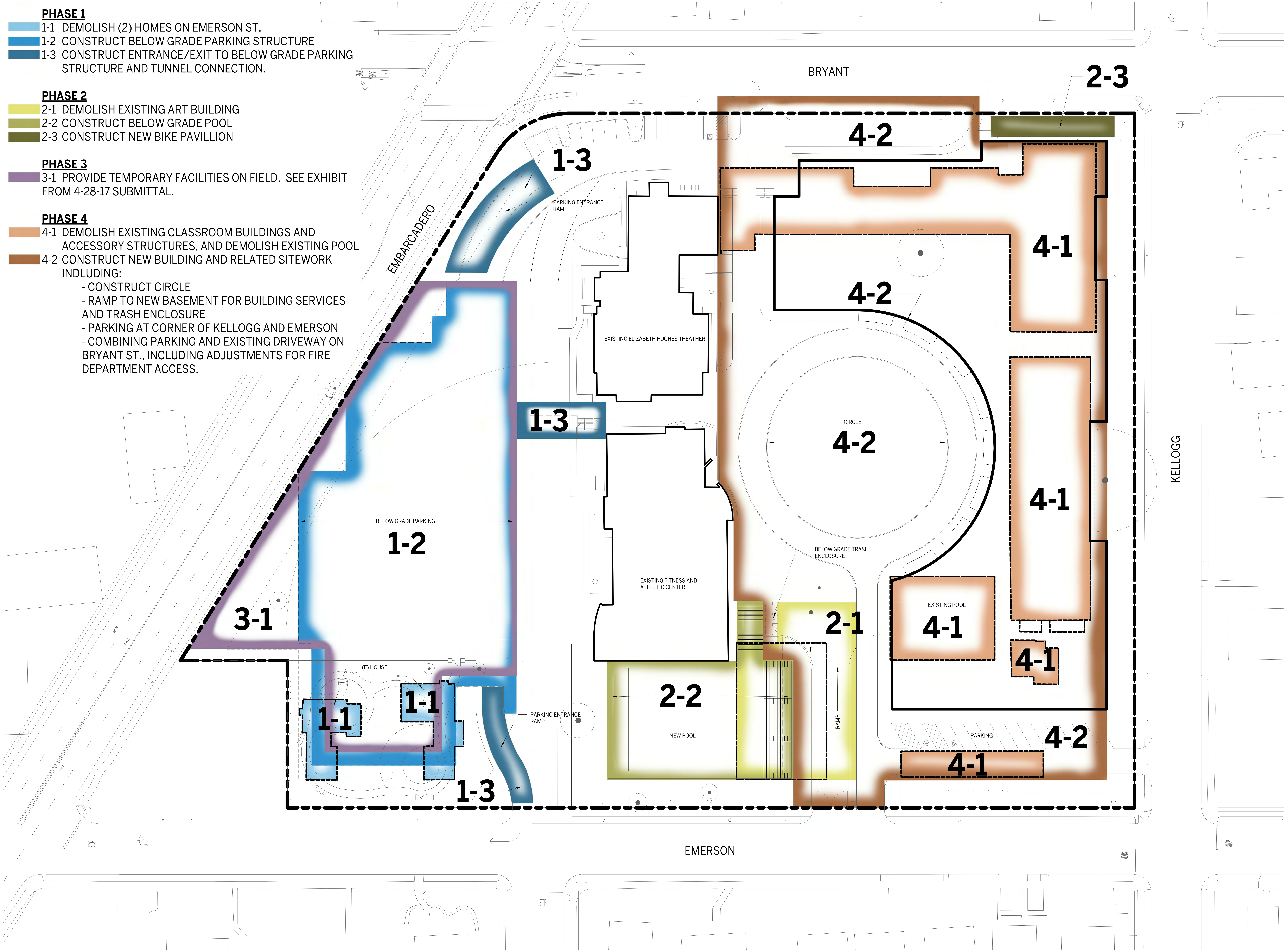
A3.3

PHASE 1
- 1-1 DEMOLISH (2) HOMES ON EMERSON ST.
- 1-2 CONSTRUCT BELOW GRADE PARKING STRUCTURE
- 1-3 CONSTRUCT ENTRANCE/EXIT TO BELOW GRADE PARKING STRUCTURE AND TUNNEL CONNECTION.

PHASE 2
- 2-1 DEMOLISH EXISTING ART BUILDING
- 2-2 CONSTRUCT BELOW GRADE POOL
- 2-3 CONSTRUCT NEW BIKE PAVILLION

PHASE 3
- 3-1 PROVIDE TEMPORARY FACILITIES ON FIELD. SEE EXHIBIT FROM 4-28-17 SUBMITTAL.

PHASE 4
- 4-1 DEMOLISH EXISTING CLASSROOM BUILDINGS AND ACCESSORY STRUCTURES, AND DEMOLISH EXISTING POOL
- 4-2 CONSTRUCT NEW BUILDING AND RELATED SITEWORK INDLUDING:
  - CONSTRUCT CIRCLE
  - RAMP TO NEW BASEMENT FOR BUILDING SERVICES AND TRASH ENCLOSURE
  - PARKING AT CORNER OF KELLOGG AND EMERSON
  - COMBINING PARKING AND EXISTING DRIVEWAY ON BRYANT ST., INCLUDING ADJUSTMENTS FOR FIRE DEPARTMENT ACCESS.



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PHASING PLAN

PROJECT #: 11006
DATE: 02/27/18
SCALE: 1/32" = 1'-0"

A3.4

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0 1' 5' 10' 20' 40'

RENDERING AT ARRIVAL ON BRYANT ST.

PROJECT #:11006
DATE: 02/27/18
SCALE: 12" = 1'-0"

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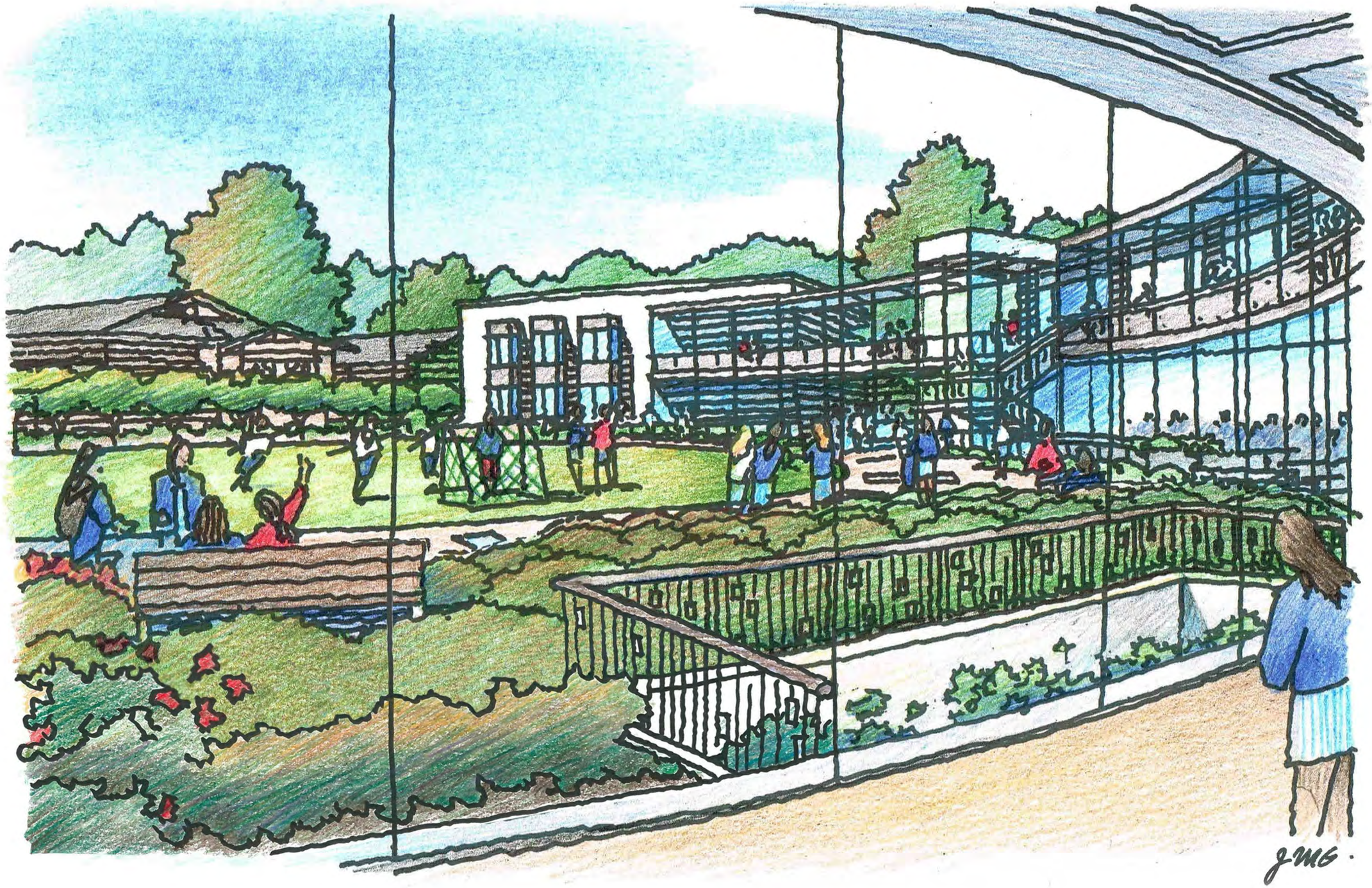

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0 1' 5' 10' 20' 40'

RENDERING AT THE CIRCLE

PROJECT #:11006
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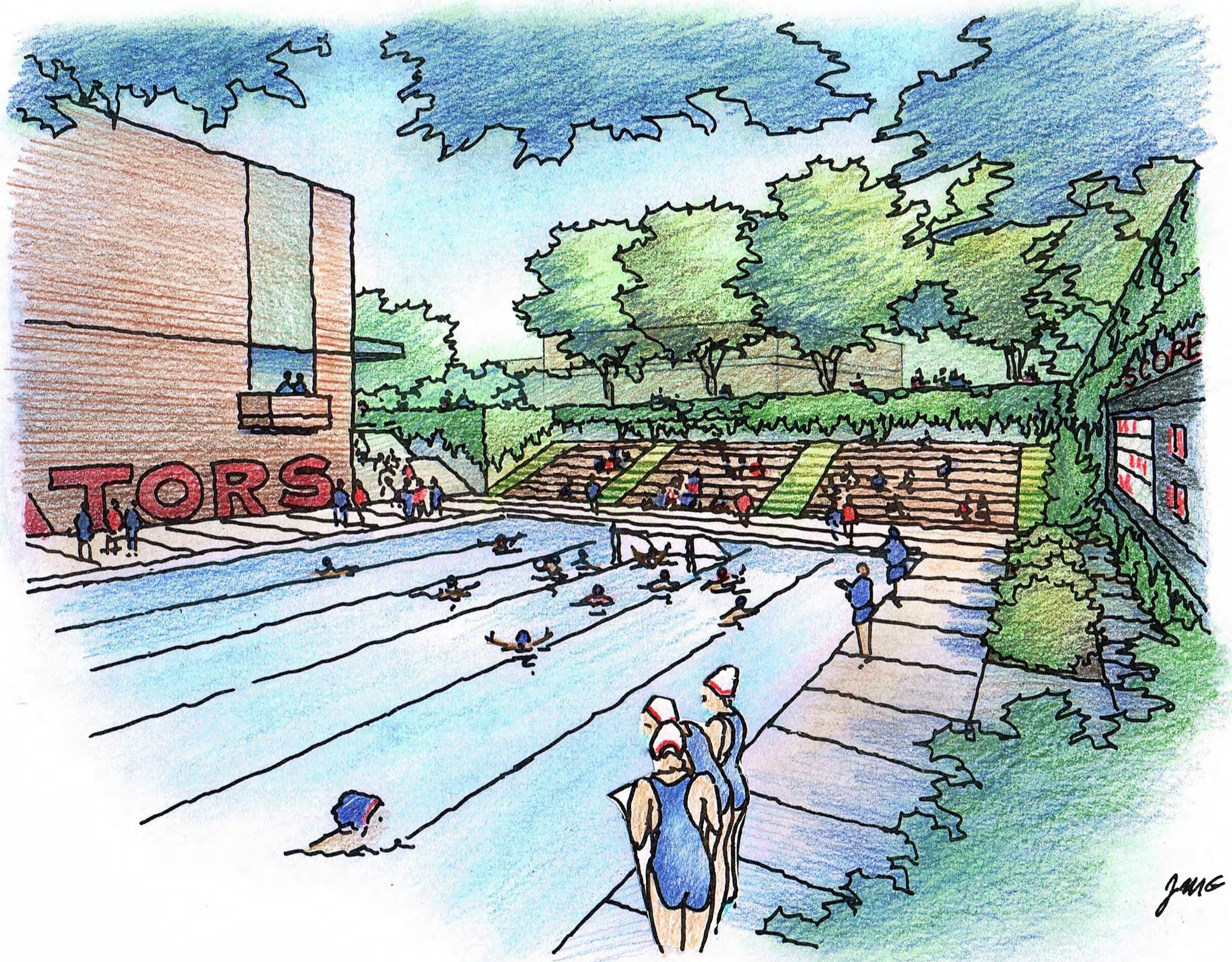
SCALE:

A4.1



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0 1' 5' 10' 20' 40'

RENDERING AT RECESSED POOL

PROJECT #:11006
DATE: 02/27/18
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RENDERING AT GARAGE EXIT

PROJECT #:11006
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SCALE: 12" = 1'-0"

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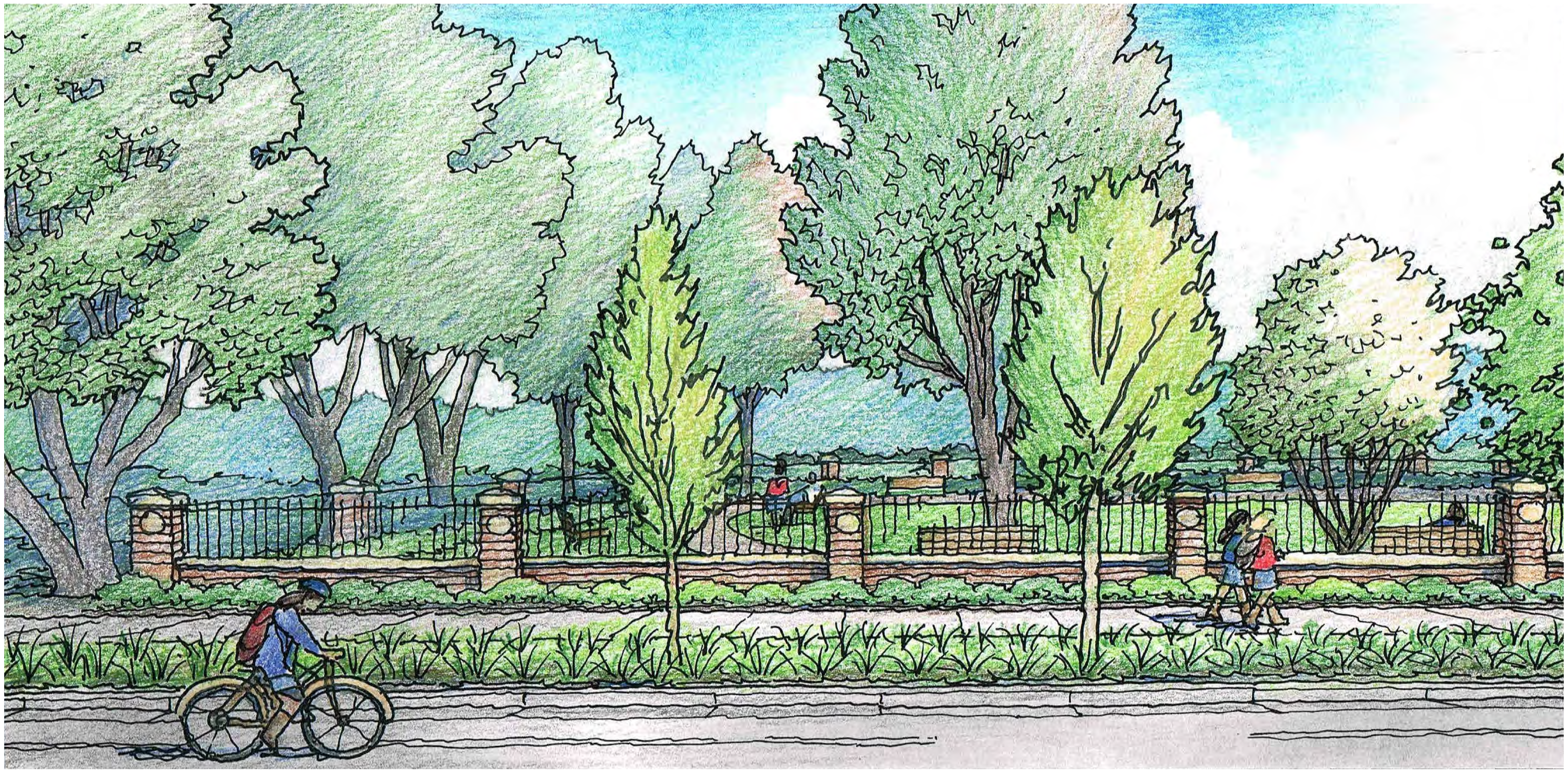

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0 1' 5' 10' 20' 40'

RENDERING AT EMERSON PARK

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SCALE: 12" = 1'-0"

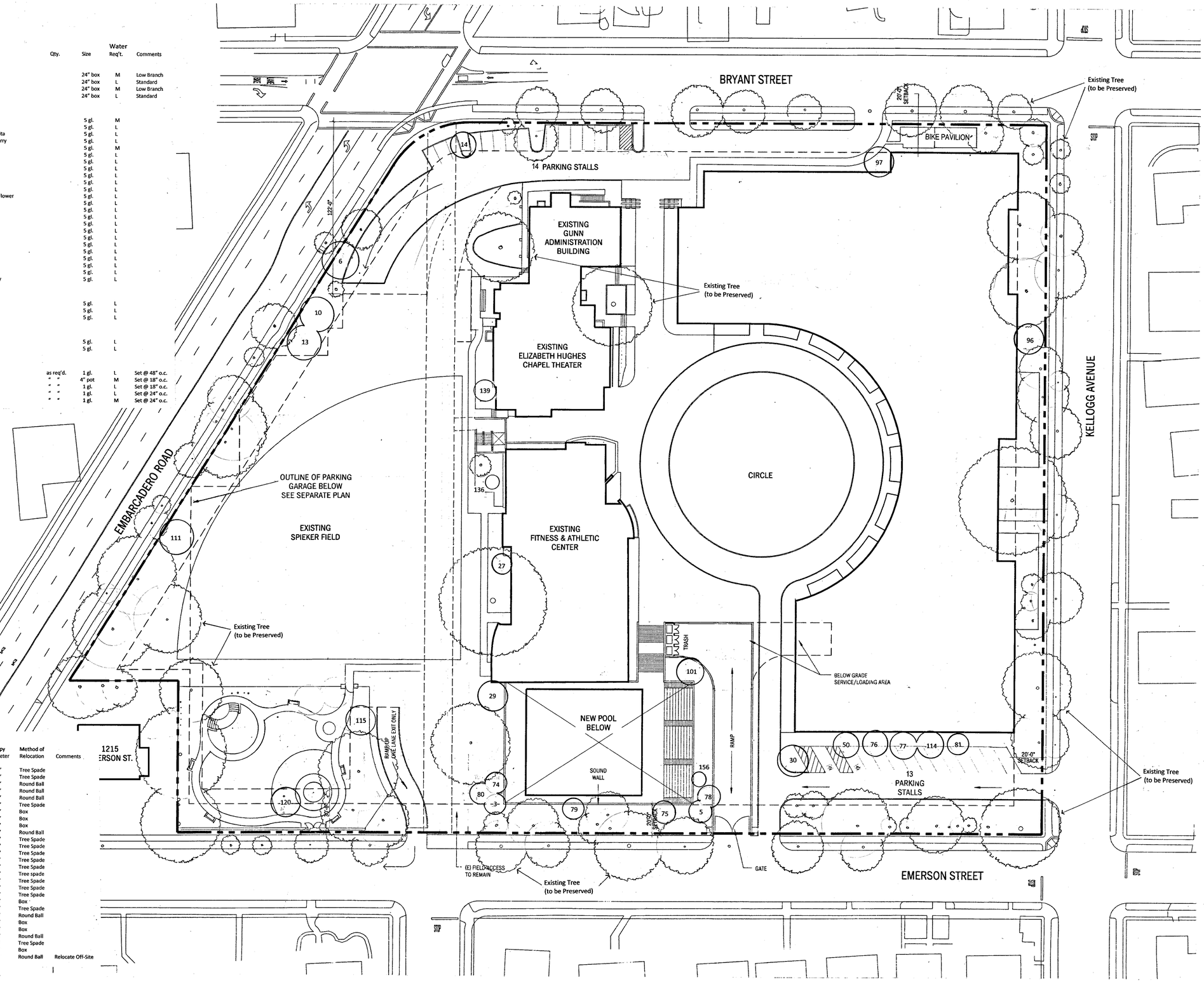
A4.4

Preliminary Plant Palette

Key	Botanical & Common Names	Qty.	Size	Water Req't.	Comments
	Trees:				
T1	Acer circinatum / Vine Maple		24" box	M	Low Branch
T2	Cercis occidentalis / Western Redbud		24" box	L	Standard
T3	Magnolia s. "Waterlily" / Star Magnolia		24" box	M	Low Branch
T4	Pistacia c. "Keith Davies" / Chinese Pistache		24" box	L	Standard
	Shrubs:				
S1	Abutilon hybrid / Flowering Maple		5 gl.	M	
S2	Alyogene h. "Santa Cruz" / Blue Hibiscus		5 gl.	L	
S3	Arctostaphylos d. "Howard McMinn" / Manzanita		5 gl.	L	
S4	Berberis t. "Crimson Pygmy" / Dwarf Red Barberry		5 gl.	L	
S5	Buxus s. "Suffruticosa" / Japanese Boxwood		5 gl.	M	
S6	Carpenteria californica / Bush Anemone		5 gl.	L	
S7	Ceanothus g.h. "Anchor Bay" / Wild Lilac		5 gl.	L	
S8	Cistus salvifolius / Sageleaf Rosckrose		5 gl.	L	
S9	Dietes "Lemon Drops" / Fortnight Lily		5 gl.	L	
S10	Euryops p. "Viridis" / Golden Daisy		5 gl.	L	
S11	Lavandula x intermedia "Grosso" / Lavender		5 gl.	L	
S12	Loropetalum c. Plum Delight" / Chinese Fringe Flower		5 gl.	L	
S13	Mahonia a. "Compacta" / Oregon Grape		5 gl.	L	
S14	Mimulus cardinalis / Sticky Monkey Flower		5 gl.	L	
S15	Nandina d. "Gulf Stream" / Heavenly Bamboo		5 gl.	L	
S16	Nepta f. "Six Hills Giant" / Catmint		5 gl.	L	
S17	Phormium x "Apricot Queen" / Flax		5 gl.	L	
S18	Prunus c. "Compacta" / Carolina Laurel Cherry		5 gl.	L	
S19	Plumbago auriculata / Cape Plumbago		5 gl.	L	
S20	Rhododendron sp. / Rhododendron		5 gl.	L	
S21	Ribes viburnifolium / Evergreen Currant		5 gl.	L	
S22	Salvia chamaedryoides / Germander Sage		5 gl.	L	
S23	Salvia m. "Hot Lips" / Sage		5 gl.	L	
S24	Westringea f. "Morning Light" / Coast Rosemary		5 gl.	L	
	Grasses:				
G1	Bouteloua gracilis / Blue Gramma Grass		5 gl.	L	
G2	Helictotrichon sempervirens / Blue Oat Grass		5 gl.	L	
G3	Muhlenbergia capillaris / Pink Muhly Grass		5 gl.	L	
	Vines:				
V1	Jasminum polyanthemum / Pink Jasmine		5 gl.	L	
V2	Rosa banksiae / Lady Bank's Rose		5 gl.	L	
	Groundcovers:				
	Cotoneaster "Lowfast" / Prostrate Cotoneaster	as req'd.	1 gl.	L	Set @ 48" o.c.
	Fragaria "Lipstick" / Ornamental Strawberry	" "	4" pot	M	Set @ 18" o.c.
	Hypericum calycinum / Aaron's Beard	" "	1 gl.	L	Set @ 18" o.c.
	Mahonia repens / Creeping Mahonia	" "	1 gl.	L	Set @ 24" o.c.
	Vinca minor / Dwarf Periwinkle	" "	1 gl.	M	Set @ 24" o.c.

Tree Relocation Legend

Tree #	Tree Name	DBH	Canopy Diameter	Method of Relocation	Comments
3	Arbutus "Marina"	3"	15'	Tree Spade	
5	Arbutus "Marina"	5"	15'	Tree Spade	
6	Coast Live Oak	17"	30'	Round Ball	
10	Coast Live Oak	11"	35'	Round Ball	
13	Coast Live Oak	16"	35'	Round Ball	
14	Coast Live Oak	7"	20'	Tree Spade	
27	Japanese Maple	3"/3"	15'	Box	
29	Japanese Maple	4"/3"	25'	Box	
30	Trident Maple	11"	30'	Box	
50	Chinese Pistache	10"	30'	Round Ball	
74	Arbutus "Marina"	8"	15'	Tree Spade	
75	Arbutus "Marina"	8"	15'	Tree Spade	
76	Chinese Pistache	6"	20'	Tree Spade	
77	Chinese Pistache	7"	20'	Tree Spade	
78	Arbutus "Marina"	5"	15'	Tree Spade	
79	Arbutus "Marina"	4"	15'	Tree spade	
80	Arbutus "Marina"	5"	10'	Tree Spade	
81	Chinese Pistache	5"	12'	Tree Spade	
96	Japanese Maple	5"/4"	25'	Tree Spade	
97	Japanese Maple	4"/3"	25'	Box	
101	English Hawthorn	6"	20'	Tree Spade	
111	Coast Live Oak	22"	30'	Round Ball	
114	Chinese Pistache	13"	30'	Box	
115	Coast Redwood	14"	25'	Box	
120	Coast Redwood	24"	25'	Round Ball	
136	Eastern Redbud	3"	10'	Tree Spade	
139	Japanese Maple	6"	15'	Box	
145-153	Queen Palm	8"	15'	Round Ball	Relocate Off-Site
156	Dwarf Olive	3"/2"	8'		



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Revisions

Castilleja School

1310 Bryant Street
Palo Alto California

Preliminary Landscape/ Tree Relocation Plan

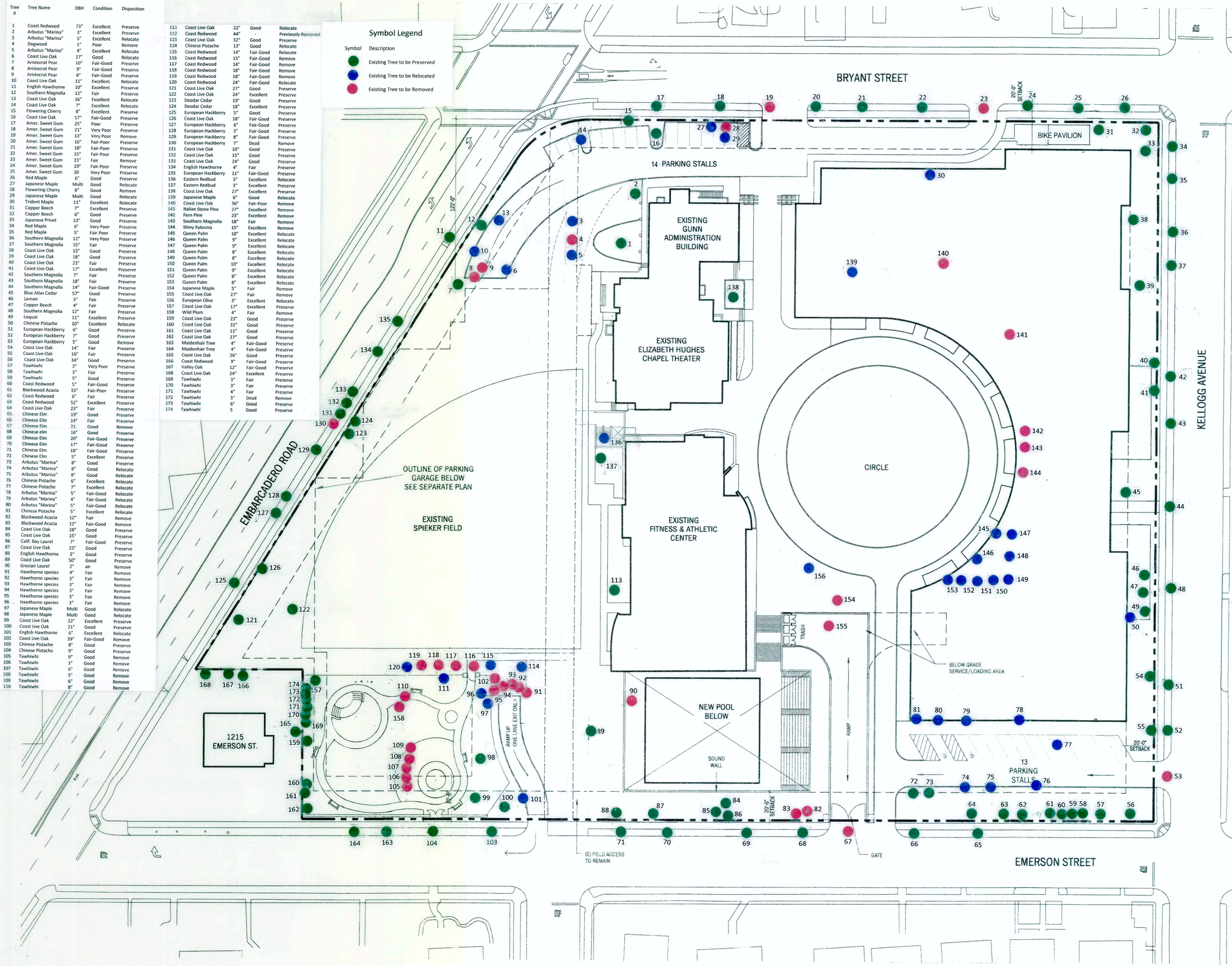
Date	2/15/2018
Scale	1" = 32'- 0"
Drawn	LBW
Sheet	L1.01

Existing Tree Legend

Tree #	Tree Name	DBH	Condition	Disposition
1	Coast Redwood	73"	Excellent	Preserve
2	Arbutus "Marina"	3"	Excellent	Preserve
3	Arbutus "Marina"	5"	Excellent	Relocate
4	Dogwood	1"	Poor	Remove
5	Arbutus "Marina"	4"	Excellent	Relocate
6	Coast Live Oak	17"	Good	Relocate
7	Aristocrat Pear	10"	Fair-Good	Preserve
8	Aristocrat Pear	9"	Fair-Good	Preserve
9	Aristocrat Pear	8"	Fair-Good	Preserve
10	Coast Live Oak	11"	Excellent	Relocate
11	English Hawthorne	10"	Excellent	Preserve
12	Southern Magnolia	12"	Fair	Preserve
13	Coast Live Oak	16"	Excellent	Relocate
14	Coast Live Oak	7"	Excellent	Relocate
15	Flowering Cherry	8"	Excellent	Preserve
16	Coast Live Oak	17"	Fair-Good	Preserve
17	Amer. Sweet Gum	25"	Poor	Preserve
18	Amer. Sweet Gum	21"	Very Poor	Preserve
19	Amer. Sweet Gum	13"	Very Poor	Remove
20	Amer. Sweet Gum	16"	Fair-Poor	Preserve
21	Amer. Sweet Gum	18"	Fair-Poor	Preserve
22	Amer. Sweet Gum	15"	Fair-Poor	Preserve
23	Amer. Sweet Gum	21"	Fair	Remove
24	Amer. Sweet Gum	19"	Fair-Poor	Preserve
25	Amer. Sweet Gum	20	Very Poor	Preserve
26	Red Maple	6"	Good	Preserve
27	Japanese Maple	Multi	Good	Relocate
28	Flowering Cherry	8"	Good	Remove
29	Japanese Maple	Multi	Good	Relocate
30	Trident Maple	11"	Excellent	Relocate
31	Copper Beech	7"	Excellent	Preserve
32	Copper Beech	6"	Good	Preserve
33	Japanese Privet	13"	Good	Preserve
34	Red Maple	6"	Very Poor	Preserve
35	Red Maple	5"	Fair-Poor	Preserve
36	Southern Magnolia	12"	Very Poor	Preserve
37	Southern Magnolia	15"	Fair	Preserve
38	Coast Live Oak	15"	Good	Preserve
39	Coast Live Oak	18"	Good	Preserve
40	Coast Live Oak	23"	Fair	Preserve
41	Coast Live Oak	17"	Excellent	Preserve
42	Southern Magnolia	7"	Fair	Preserve
43	Southern Magnolia	18"	Fair	Preserve
44	Southern Magnolia	14"	Fair-Good	Preserve
45	Blue Atlas Cedar	57"	Good	Preserve
46	Lemon	5"	Fair	Preserve
47	Copper Beech	4"	Fair	Preserve
48	Southern Magnolia	12"	Fair	Preserve
49	Loquat	11"	Excellent	Preserve
50	Chinese Pistache	10"	Excellent	Relocate
51	European Hackberry	6"	Good	Preserve
52	European Hackberry	7"	Good	Preserve
53	European Hackberry	5"	Good	Remove
54	Coast Live Oak	14"	Fair	Preserve
55	Coast Live Oak	16"	Fair	Preserve
56	Coast Live Oak	34"	Good	Preserve
57	Tawhiwhi	3"	Very Poor	Preserve
58	Tawhiwhi	3"	Fair	Preserve
59	Tawhiwhi	5"	Good	Preserve
60	Coast Redwood	5"	Fair-Good	Preserve
61	Blackwood Acacia	15"	Fair-Poor	Preserve
62	Coast Redwood	6"	Fair	Preserve
63	Coast Redwood	52"	Excellent	Preserve
64	Coast Live Oak	23"	Fair	Preserve
65	Chinese Elm	19"	Good	Preserve
66	Chinese Elm	14"	Fair	Preserve
67	Chinese Elm	21	Good	Remove
68	Chinese elm	16"	Good	Preserve
69	Chinese Elm	20"	Fair-Good	Preserve
70	Chinese Elm	17"	Fair-Good	Preserve
71	Chinese Elm	18"	Fair-Good	Preserve
72	Chinese Elm	5"	Excellent	Preserve
73	Arbutus "Marina"	8"	Good	Relocate
74	Arbutus "Marina"	8"	Good	Relocate
75	Arbutus "Marina"	8"	Good	Relocate
76	Chinese Pistache	6"	Excellent	Relocate
77	Chinese Pistache	7"	Excellent	Relocate
78	Arbutus "Marina"	5"	Fair-Good	Relocate
79	Arbutus "Marina"	4"	Fair-Good	Relocate
80	Arbutus "Marina"	5"	Fair-Good	Relocate
81	Chinese Pistache	5"	Excellent	Relocate
82	Blackwood Acacia	12"	Fair	Remove
83	Blackwood Acacia	12"	Fair-Good	Remove
84	Coast Live Oak	28"	Good	Preserve
85	Coast Live Oak	15"	Good	Preserve
86	Calif. Bay Laurel	7"	Fair-Good	Preserve
87	Coast Live Oak	23"	Good	Preserve
88	English Hawthorne	3"	Good	Preserve
89	Coast Live Oak	50"	Good	Preserve
90	Grecian Laurel	2"	air	Remove
91	Hawthorne species	4"	Fair	Remove
92	Hawthorne species	3"	Fair	Remove
93	Hawthorne species	3"	Fair	Remove
94	Hawthorne species	3"	Fair	Remove
95	Hawthorne species	3"	Fair	Remove
96	Hawthorne species	3"	Fair	Remove
97	Japanese Maple	Multi	Good	Relocate
98	Japanese Maple	Multi	Good	Relocate
99	Coast Live Oak	22"	Excellent	Preserve
100	Coast Live Oak	21"	Good	Preserve
101	English Hawthorne	6"	Excellent	Relocate
102	Coast Live Oak	39"	Fair-Good	Remove
103	Chinese Pistache	8"	Good	Preserve
104	Chinese Pistache	9"	Good	Preserve
105	Tawhiwhi	9"	Good	Remove
106	Tawhiwhi	3"	Good	Remove
107	Tawhiwhi	6"	Good	Remove
108	Tawhiwhi	5"	Good	Remove
109	Tawhiwhi	6"	Good	Remove
110	Tawhiwhi	8"	Good	Remove
111	Coast Live Oak	22"	Good	Relocate
112	Coast Redwood	44"	-	Previously Removed
113	Coast Live Oak	32"	Good	Preserve
114	Chinese Pistache	13"	Good	Relocate
115	Coast Redwood	14"	Fair-Good	Relocate
116	Coast Redwood	15"	Fair-Good	Remove
117	Coast Redwood	14"	Fair-Good	Remove
118	Coast Redwood	18"	Fair-Good	Remove
119	Coast Redwood	18"	Fair-Good	Remove
120	Coast Redwood	24"	Fair-Good	Relocate
121	Coast Live Oak	27"	Good	Preserve
122	Coast Live Oak	24"	Excellent	Preserve
123	Deodar Cedar	19"	Good	Preserve
124	Deodar Cedar	18"	Excellent	Preserve
125	European Hackberry	5"	Good	Preserve
126	Coast Live Oak	18"	Fair-Good	Preserve
127	European Hackberry	6"	Fair-Good	Preserve
128	European Hackberry	3"	Fair-Good	Preserve
129	European Hackberry	8"	Fair-Good	Preserve
130	European Hackberry	7"	Dead	Remove
131	Coast Live Oak	10"	Good	Preserve
132	Coast Live Oak	15"	Good	Preserve
133	Coast Live Oak	24"	Good	Preserve
134	English Hawthorne	4"	Fair	Preserve
135	European Hackberry	11"	Fair-Good	Preserve
136	Eastern Redbud	3"	Excellent	Relocate
137	Eastern Redbud	3"	Excellent	Preserve
138	Coast Live Oak	27"	Excellent	Preserve
139	Japanese Maple	6"	Good	Relocate
140	Coast Live Oak	36"	Fair-Poor	Remove
141	Italian Stone Pine	27"	Excellent	Remove
142	Fern Pine	23"	Excellent	Remove
143	Southern Magnolia	18"	Fair	Remove
144	Shiny Xylosma	15"	Excellent	Remove
145	Queen Palm	10"	Excellent	Relocate
146	Queen Palm	9"	Excellent	Relocate
147	Queen Palm	9"	Excellent	Relocate
148	Queen Palm	8"	Excellent	Relocate
149	Queen Palm	8"	Excellent	Relocate
150	Queen Palm	10"	Excellent	Relocate
151	Queen Palm	9"	Excellent	Relocate
152	Queen Palm	8"	Excellent	Relocate
153	Queen Palm	8"	Excellent	Relocate
154	Japanese Maple	5"	Fair	Remove
155	Coast Live Oak	27"	Fair	Remove
156	European Olive	3"	Excellent	Relocate
157	Coast Live Oak	17"	Excellent	Preserve
158	Wild Plum	4"	Fair	Remove
159	Coast Live Oak	23"	Good	Preserve
160	Coast Live Oak	31"	Good	Preserve
161	Coast Live Oak	11"	Good	Preserve
162	Coast Live Oak	27"	Good	Preserve
163	Maidenhair Tree	4"	Fair-Good	Preserve
164	Maidenhair Tree	4"	Fair-Good	Preserve
165	Coast Live Oak	26"	Good	Preserve
166	Coast Redwood	9"	Fair-Good	Preserve
167	Valley Oak	12"	Fair-Good	Preserve
168	Coast Live Oak	24"	Excellent	Preserve
169	Tawhiwhi	3"	Fair	Preserve
170	Tawhiwhi	3"	Fair	Preserve
171	Tawhiwhi	4"	Fair	Preserve
172	Tawhiwhi	3"	Dead	Remove
173	Tawhiwhi	6"	Good	Preserve
174	Tawhiwhi	5	Good	Preserve

Symbol Legend

Symbol	Description
	Existing Tree to be Preserved
	Existing Tree to be Relocated
	Existing Tree to be Removed



Tree Removal/Relocation Phasing

Tree #	Tree Name	Tree Disposition	Phase
1	Coast Redwood	Preserve	
2	Arbutus Marina	Preserve	
3	Arbutus Marina	RELOCATE	1
4	Dogwood	Remove	1
5	Arbutus Marina	RELOCATE	1
6	Coast Live Oak	RELOCATE	1
7	Aristocrat Pear	Preserve	
8	Aristocrat Pear	Preserve	
9	Aristocrat Pear	Preserve	
10	Coast Live Oak	Preserve/RELOCATE	1
11	English Hawthorne	Preserve	
12	Southern Magnolia	Preserve	
13	Coast Live Oak	RELOCATE	1
14	Coast Live Oak	Preserve/RELOCATE	1
15	Flowering Cherry	Preserve	
16	Coast Live Oak	Preserve	
17	Sweet Gum	Preserve	
18	Sweet Gum	Preserve	
19	Sweet Gum	Remove	4
20	Sweet Gum	Preserve	
21	Sweet Gum	Preserve	
22	Sweet Gum	Preserve	
23	Sweet Gum	Remove	4
24	Sweet Gum	Preserve	
25	Sweet Gum	Preserve	
26	Red Maple	Preserve	
27	Japanese Maple	RELOCATE	4
28	Flowering Cherry	Remove	4
29	Japanese Maple	RELOCATE	4
30	Trident Maple	RELOCATE	4
31	Copper Beech	Preserve	
32	Copper Beech	Preserve	
33	Japanese Privot	Preserve	
34	Red Maple	Preserve	
35	Red Maple	Preserve	
36	Southern Magnolia	Preserve	
37	Southern Magnolia	Preserve	
38	Coast Live Oak	Preserve	
39	Coast Live Oak	Preserve	
40	Coast Live Oak	Preserve	
41	Coast Live Oak	Preserve	
42	Southern Magnolia	Preserve	
43	Southern Magnolia	Preserve	
44	Southern Magnolia	Preserve	
45	Blue Atlas Cedar	Preserve	
46	Lemon	Preserve	
47	Copper Beech	Preserve	
48	Southern Magnolia	Preserve	
49	Loquat	Preserve	
50	Chinese Pistache	RELOCATE	4
51	European Hackberry	Preserve	
52	European Hackberry	Preserve	
53	European Hackberry	Preserve	
54	Coast Live Oak	Preserve	
55	Coast Live Oak	Preserve	
56	Coast Live Oak	Preserve	
57	Tawhiwhi	Preserve	
58	Tawhiwhi	Preserve	
59	Tawhiwhi	Preserve	
60	Coast Redwood	Preserve	
61	Blackwood Acacia	Preserve	
62	Coast Redwood	Preserve	
63	Coast Redwood	Preserve	
64	Coast Live Oak	Preserve	
65	Chinese Elm	Preserve	
66	Chinese Elm	Preserve	
67	Chinese Elm	Remove	2
68	Chinese Elm	Preserve	
69	Chinese Elm	Preserve	
70	Chinese Elm	Preserve	
71	Chinese Elm	Preserve	
72	Chinese Pistache	Preserve	
73	Arbutus Marina	Preserve	
74	Arbutus Marina	RELOCATE	4
75	Arbutus Marina	RELOCATE	4
76	Chinese Pistache	RELOCATE	4
77	Chinese Pistache	RELOCATE	4
78	Arbutus Marina	RELOCATE	4
79	Arbutus Marina	RELOCATE	4
80	Arbutus Marina	RELOCATE	4
81	Chinese Pistache	RELOCATE	4
82	Blackwood Acacia	RELOCATE	4
83	Blackwood Acacia	RELOCATE	4
84	Coast Live Oak	Preserve	
85	Coast Live Oak	Preserve	
86	California Bay Laurel	Preserve	
87	Coast Live Oak	Preserve	
88	English Hawthorne	Preserve	
89	Coast Live Oak	Preserve	
90	Grecian Laurel	Remove	4
91	Hawthorne species	Remove	1
92	Hawthorne species	Remove	1
93	Hawthorne species	Remove	1
94	Hawthorne species	Remove	1
95	Hawthorne species	Remove	1
96	Japanese Maple	RELOCATE	1
97	Japanese Maple	RELOCATE	1
98	Coast Live Oak	Preserve	
99	Coast Live Oak	Preserve	
100	Coast Live Oak	Preserve	
101	English Hawthorne	RELOCATE	1
102	Coast Live Oak	Remove	1
103	Chinese Pistache	Preserve	
104	Chinese Pistache	Preserve	
105	Tawhiwhi	Remove	1
106	Tawhiwhi	Remove	1
107	Tawhiwhi	Remove	1
108	Tawhiwhi	Remove	1
109	Tawhiwhi	Remove	1
110	Tawhiwhi	Remove	1
111	Coast Live Oak	RELOCATE	1
112	Coast Redwood	Removed	x
113	Coast Live Oak	Coast Live Oak	1
114	Chinese Pistache	RELOCATE	1
115	Coast Redwood	Remove	1
116	Coast Redwood	Remove	1
117	Coast Redwood	Remove	1
118	Coast Redwood	Remove	1
119	Coast Redwood	Remove	1
120	Coast Redwood	RELOCATE	1
121	Coast Live Oak	Preserve	
122	Coast Live Oak	Preserve	
123	Deodar Cedar	Preserve	
124	Deodar Cedar	Preserve	
125	European Hackberry	Preserve	
126	Coast Live Oak	Preserve	
127	European Hackberry	Preserve	
128	English Hawthorne	Preserve	
129	European Hackberry	Preserve	
130	European Hackberry	Remove	1
131	Coast Live Oak	Preserve	
132	Coast Live Oak	Preserve	
133	Coast Live Oak	Preserve	
134	English Hawthorne	Preserve	
135	European Hackberry	Preserve	
136	Eastern Redbud	RELOCATE	1
137	Eastern Redbud	Preserve	
138	Coast Live Oak	Preserve	
139	Japanese Maple	RELOCATE	4
140	Coast Live Oak	Remove	4
141	Italian Stone Pine	Remove	4
142	Fern Pine	Remove	4
143	Southern Magnolia	Remove	4
144	Shiny Xylosma	Remove	4
145	Queen Palm	RELOCATE	4
146	Queen Palm	RELOCATE	4
147	Queen Palm	RELOCATE	4
148	Queen Palm	RELOCATE	4
149	Queen Palm	RELOCATE	4
150	Queen Palm	RELOCATE	4
151	Queen Palm	RELOCATE	4
152	Queen Palm	RELOCATE	4
153	Queen Palm	RELOCATE	4
154	Japanese Maple	Remove	4
155	Coast Live Oak	Remove	4
156	European Olive	RELOCATE	4
157	Coast Live Oak	Preserve	
158	Wild Plum	Remove	4
159	Coast Live Oak	Preserve	
160	Coast Live Oak	Preserve	
161	Coast Live Oak	Preserve	
162	Coast Live Oak	Preserve	
163	Maidenhair Tree	Preserve	
164	Maidenhair Tree	Preserve	
165	Coast Live Oak	Preserve	
166	Coast Redwood	Preserve	
167	Valley Oak	Preserve	
168	Coast Live Oak	Preserve	
169	Tawhiwhi	Preserve	
170	Tawhiwhi	Preserve	
171	Tawhiwhi	Preserve	
172	Tawhiwhi	Preserve	
173	Tawhiwhi	Preserve	
174	Tawhiwhi	Preserve	

Revisions

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Castilleja School

1310 Bryant Street

Palo Alto California

Existing Tree Inventory Plan

Date	2/15/2018
Scale	1"= 32'- 0"
Drawn	LBW
Sheet	L2.01

Tree Protection Notes:

1. **Tree Protection Zones** – all construction operations must comply with the strict adherence to protect the area that is critical to each tree's survival, which id titled the Tree Protection Zone)TPZ) for each tree that is planned to be retained (TTM, 1.36 and 2.15 E). In this area, construction activity of any kind is prohibited, unless approved and supervised by the project arborist. In cases where specific thresholds must be met, the proposed work must also be approved by the City Arborist. Particular attention must be given to assure that **no** soil disturbance is allowed in the TPZ. The Tree Protection Zones (TPZ) for the retained trees in linear feet (diameter) are include in the arborist's report.

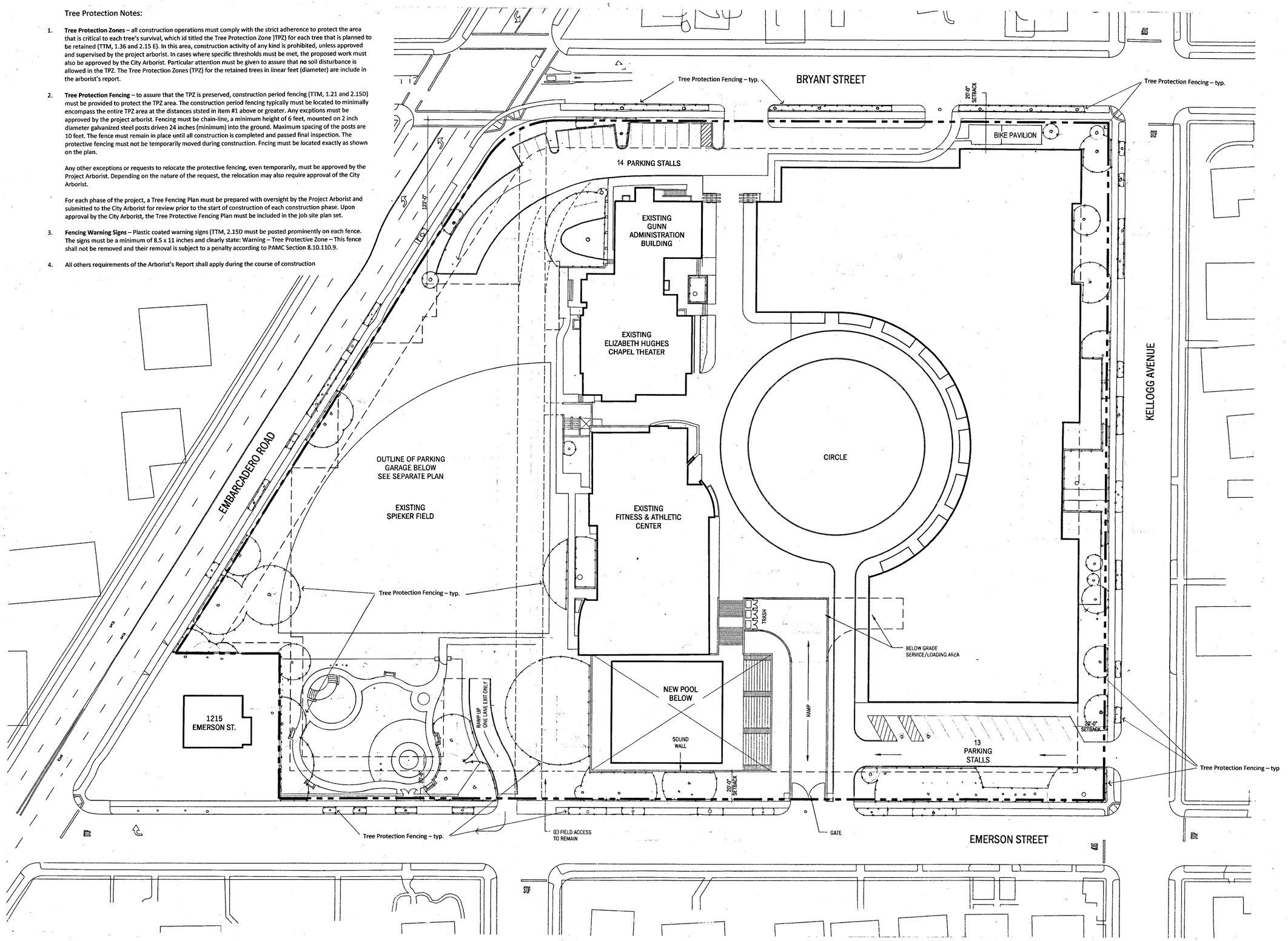
2. **Tree Protection Fencing** – to assure that the TPZ is preserved, construction period fencing (TTM, 1.21 and 2.15D) must be provided to protect the TPZ area. The construction period fencing typically must be located to minimally encompass the entire TPZ area at the distances ststed in item #1 above or greater. Any excptions must be approved by the project arborist. Fencing must be chain-line, a minimum height of 6 feet, mounted on 2 inch diameter galvanized steel posts driven 24 inches (minimum) into the ground. Maximum spacing of the posts are 10 feet. The fence must remain in place until all construction is completed and passed final inspection. The protective fencing must not be temporarily moved during construction. Fncing must be located exactly as shown on the plan.

   Any other exceptions or requests to relocate the protective fencing, even temporarily, must be approved by the Project Arborist. Depending on the nature of the request, the relocation may also require approval of the City Arborist.

   For each phase of the project, a Tree Fencing Plan must be prepared with oversight by the Project Arborist and submitted to the City Arborist for review prior to the start of construction of each construction phase. Upon approval by the City Arborist, the Tree Protective Fencing Plan must be included in the job site plan set.

3. **Fencing Warning Signs** – Plastic coated warning signs (TTM, 2.15D must be posted prominently on each fence. The signs must be a minimum of 8.5 x 11 inches and clearly state: Warning – Tree Protective Zone – This fence shall not be removed and their removal is subject to a penalty according to PAMC Section 8.10.110.9.

4. All others requirements of the Arborist's Report shall apply during the course of construction



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1310 Bryant Street

Palo Alto California

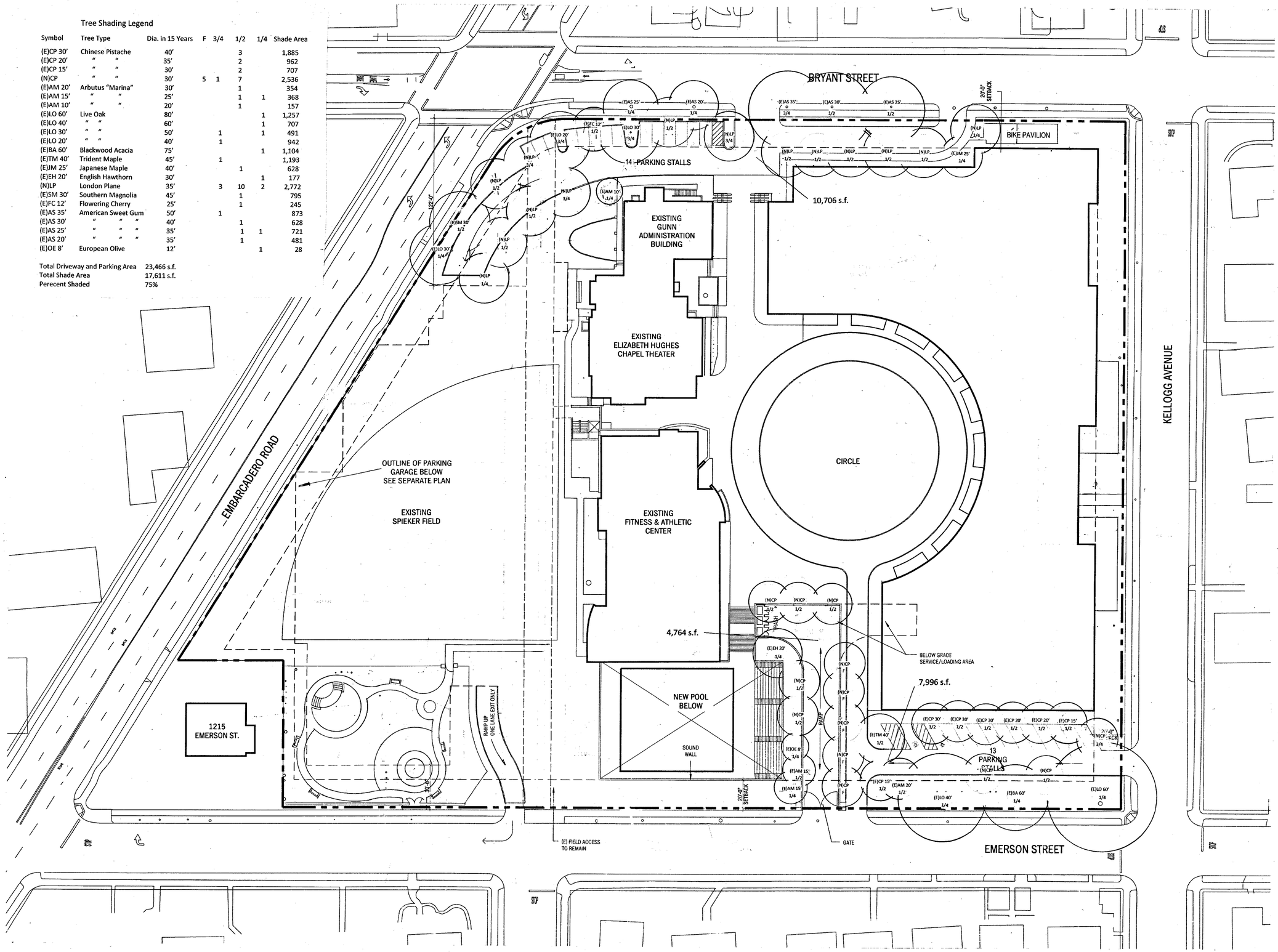
Tree Protection Fencing Plan

Date	2/15/2018
Scale	1' = 32'- 0"
Drawn	LBW
Sheet	L3.01

Tree Shading Legend

Symbol	Tree Type	Dia. in 15 Years	F	3/4	1/2	1/4	Shade Area
(E)CP 30'	Chinese Pistache	40'			3		1,885
(E)CP 20'	" "	35'			2		962
(E)CP 15'	" "	30'			2		707
(N)CP	" "	30'	5	1	7		2,536
(E)AM 20'	Arbutus "Marina"	30'			1		354
(E)AM 15'	" "	25'			1	1	368
(E)AM 10'	" "	20'			1		157
(E)LO 60'	Live Oak	80'				1	1,257
(E)LO 40'	" "	60'				1	707
(E)LO 30'	" "	50'		1		1	491
(E)LO 20'	" "	40'		1			942
(E)BA 60'	Blackwood Acacia	75'				1	1,104
(E)TM 40'	Trident Maple	45'		1			1,193
(E)JM 25'	Japanese Maple	40'			1		628
(E)EH 20'	English Hawthorn	30'				1	177
(N)LP	London Plane	35'		3	10	2	2,772
(E)SM 30'	Southern Magnolia	45'			1		795
(E)FC 12'	Flowering Cherry	25'			1		245
(E)AS 35'	American Sweet Gum	50'		1			873
(E)AS 30'	" " "	40'			1		628
(E)AS 25'	" " "	35'			1	1	721
(E)AS 20'	" " "	35'			1		481
(E)OE 8'	European Olive	12'				1	28

Total Driveway and Parking Area	23,466 s.f.
Total Shade Area	17,611 s.f.
Perecent Shaded	75%



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Tree Shading Plan

Date	2/15/2018
Scale	1"= 32'- 0"
Drawn	LBW
Sheet	L4.01

BRYANT STREET

20'-0" SETBACK

TREE 31

BIKE PAVILION

TREE 32

TREE 33

14 PARKING STALLS

122'-0"

EXISTING GUNN ADMINISTRATION BUILDING

TREE 001 TO REMAIN

TREE 38

TREE 140: REMOVE

TREE 39

EXISTING ELIZABETH HUGHES CHAPEL THEATER

Existing Post Light on 12' Pole (to Remain)

KELLOGG AVENUE

TREES 132 & 133 TO REMAIN

EMBARCADERO ROAD

OUTLINE OF PARKING GARAGE BELOW SEE SEPARATE PLAN

CIRCLE

EXISTING SPIEKER FIELD

EXISTING FITNESS & ATHLETIC CENTER

There is No Lighting Proposed For the Sports Field Area

TREE 45 TO REMAIN

154: REMOVE

TREE 122 TO REMAIN

TRASH

TREE 155: TO BE MOVED

BELOW GRADE SERVICE/LOADING AREA

NEW POOL BELOW

RAMP

1215 EMERSON ST.

RAMP UP ONE LANE EXIT ONLY

SOUND WALL

20'-0" SETBACK

13 PARKING STALLS

TREE 89 TO REMAIN

20'-0" SETBACK

(E) FIELD ACCESS TO REMAIN

TREE 87 TO REMAIN

TREE 84 TO REMAIN

GATE

EMERSON STREET

(/Kimlighting/En/) / Vandal-Resistant Round Bollards

Bollard Lights @ Pedestrian Walkways and Entrances to Buildings

OPTIONS

- (OCC) Motion sensor
- (PC) Button photo cell
- (WC) Wireless controls
- (PG) Prismatic glass

Pole Top Light (Similar to Existing) @ Parking Areas

Revisions

Winterbotham Partnership
Landscape Architects

1134 Crane Street, Suite 216
Menlo Park, California 94025
(650) 823-0291 winterbotham@jps.net

Castilleja School

1310 Bryant Street
Palo Alto
California

Lighting Plan

Date	2/15/2018
Scale	1" = 32'- 0"
Drawn	LBW
Sheet	L5.01

DATE	
PROJECT	
TYPE	
NOTE	
PREPARED BY	

Crystal Lighting CORPORATION

CLP-3072 — Round top LED spider mount post top

Architectural rounded top LED area light fixture, suitable for wet locations. Perfect for lighting up residential exteriors, walkways, entry ways, perimeters, storage areas, parking garages, school campuses, Industrial/commercial spaces, wall washer, parking lots, recreational parks. This fixture has a wide light distribution. Comes with a 5 year/50,000 hour limited warranty.

FEATURES

- Energy Savings: Over 66% compared to HID light sources
- Improved lumen maintenance
- Utilizes high efficient Phillips Lumiled LED's
- Operating temperatures: -30°C ~ 60°C
- Driver: Constant current, 120-277v, 50/60Hz, 480v (Optional)
- Suitable for wet locations
- Dimming, occupancy sensors, photo cell and wireless controls capable (optional)
- Operating Life: >60,000 hours

CONSTRUCTION

- Housing is heavy-duty die-cast aluminum & hinged front door frame.
- 1/2" Coin plugs with O-rings for conduit, sensors or photo cell
- Powder coat bronze finish (standard) various colors available (custom).
- Clear glass lens standard, prismatic glass lens optional
- Silicone gasket to prevent leakage and provide weather-tight protection.
- Mounting: Mounts directly onto a 3" round pole standard, optional 3" squared pole, 4" round pole, 4" squared pole. Please specify your required size.

OPTIONS

- (OCC) Motion sensor
- (PC) Button photo cell
- (WC) Wireless controls
- (PG) Prismatic glass

Wireless Controls Available · NEMA · PHILIPS LUMILEDS · Buy American Compliant

Model Number	INPUT POWER	LUMEN OUTPUT	SCOPTIC	COLOR TEMP (CCT)	CRI	RATED LIFE (L70)	INPUT VOLTAGE	INPUT FREQUENCY	HID Equivalent
CLP-3072-20CLED	25W	2,750	4,530	5000K	70+	>200,000	120-277V	50/60HZ	100w MH
CLP-3072-40CLED	45W	5,504	8,806	5000K	70+	>200,000	120-277V	50/60HZ	150w HPS
CLP-3072-60CLED	65W	8,256	13,622	5000K	70+	>200,000	120-277V	50/60HZ	250w PSMH
CLP-3072-80CLED	85W	11,008	18,163	5000K	70+	>200,000	120-277V	50/60HZ	250w HPS
CLP-3072-100CLED	105W	11,926	19,081	5000K	70+	>200,000	120-277V	50/60HZ	400w PMHS
CLP-3072-120CLED	125W	16,512	26,419	5000K	70+	>200,000	120-277V	50/60HZ	400w HPS

Ordering Guide Example: (CLP-3072-120CLED-50-MV-BZ-WC)

CLP-3072					
MODEL	**WATTS**	**COLOR TEMP**	**VOLTAGE**	**FINISH**	**OPTIONS**
CLP-3072	20W-20CLED 40W-40CLED 60W-60CLED 80W-80CLED 100W-100CLED **120W-120CLED**	27-2700K 30-3000K 35-3500K 40-4000K **50-5000K** 57-5700K 65-6500K	**MV=120-277V** 480-480V	**BZ- BRONZE** GRY-GRAY BLK-BLACK WH- WHITE CUS-CUSTOM	OCC- MOTION SENSOR PC- BUTTON PHOTO CELL PG- PRISMATIC GLASS WC- WIRELESS CONTROL

Crystal Lighting Corporation - 13182 Flores St., Santa Fe Springs, Ca. 90670
Phone: 562-944-0223 - Fax: 562-944-0225 - WEB: www.crystallighting.us
Crystal Lighting is BUY AMERICAN compliant - All products are proudly manufactured and/or assembled in the USA

4 Pole Mounted Lighting Fixture

VRB1/VRB2/VRB3/VRB4/VSB1/VSB2

Vandal Resistant Bollards

FEATURES

- VRB1, VRB3 and VSB1 horizontal louvers provide 360° of down-lighting with total lamp source cutoff above 90° horizontal
- VRB2 and VRB4 horizontal louvers provide 210° of cutoff down-lighting and vertical louvers provide 150° of non-cutoff accent lighting
- VSB2 horizontal louvers provide 270° of cutoff down-lighting and vertical louvers provide 90° of non-cutoff accent lighting
- Designed for lighting walkways, entrances, courtyards, and landscaped areas where fixtures are viewable from all directions
- Battery back-up, emergency battery pack and houseside shield options

c UL us LISTED

ORDERING INFORMATION (Example) VRB1 · 10L2K · BL · HS

FIXTURE
- **VRB1** Domed Round, 360° downlighting
- **VRB2** Domed Round, 210° downlighting, 150° accent lighting
- **VRB3** Flat Round, 360° downlighting
- **VRB4** Flat Round, 210° downlighting, 150° accent lighting
- **VSB1** Square, 360° downlighting
- **VSB2** Square, 210° downlighting, 150° accent lighting

ELECTRICAL MODULE

Source		LED Color Temperature		Voltages
10L IES Type 1 LED		**2K** Amber		**UV** Universal Voltage (120 thru 277)
15L IES Type 3 LED		**3K** 3000K		
20L IES Type 5 LED		**4K** 4000K		
		5K 5000K		

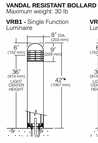
LUMINAIRE FINISH
- **BL** Black
- **DB** Dark Bronze
- **LG** Light Gray
- **TT** Titanium
- **PS** Platinum Silver
- **WH** White
- **CC** Custom Color*

*Consult representative

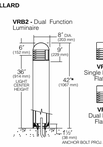
OPTIONS
- **EM** Battery Back-up

VANDAL RESISTANT BOLLARD Maximum weight: 30 lb

VRB1 - Single Function Luminaire

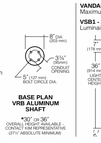


VRB2 - Dual Function Luminaire



VRB3 Single Function Flat Top

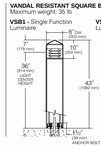
VRB4 Dual Fuction Flat Top



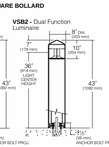
BASE PLAN VRB ALUMINUM SHAFT
*30" OR 36" OVERALL HEIGHT AVAILABLE - CONTACT KIM REPRESENTATIVE (27") ABSOLUTE MINIMUM

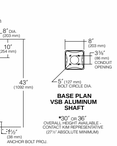
VANDAL RESISTANT SQUARE BOLLARD Maximum weight: 30 lb

VSB1 - Single Function Luminaire



VSB2 - Dual Function Luminaire





BASE PLAN VSB ALUMINUM SHAFT
*30" OR 36" OVERALL HEIGHT AVAILABLE - CONTACT KIM REPRESENTATIVE (27") ABSOLUTE MINIMUM

KIM LIGHTING

281

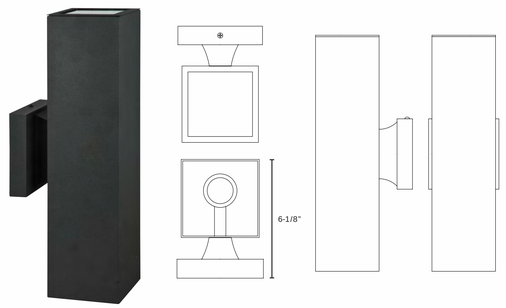
3 Bollard Light Fixture

SunSet LIGHTING

BUILDING LIGHTING - MATCH EXISTING CAMPUS BUILDING LIGHTING

TWO LIGHT SQUARE EXTERIOR

F6892 / ENERGY SAVER: F6897



SPECIFICATIONS

GENERAL:
- HEIGHT: 15"
- WIDTH: 4-3/8"
- EXTENSION: 6-1/8"
- IN/OUT: OUTDOOR DAMP

ELECTRICAL:
- F6892-31 / F6892-44 / F6892-58: 2 MEDIUM BASE 50 WATT OR 75 WATT MAX A19 LAMPS NOT INCLUDED 120 VOLTS
- F6897-31 / F6897-44 / F6897-58: 2- 23 WATT GU-24 CFL

ENERGY SAVER

MOUNTING:
- WALL

FINISHES:
- BLACK - 31 (BK)
- OIL BRONZE - 44 (OB)
- SILVER POWDER COAT - 58 (SPC)

Please contact your representative for more color options.

Luminance

SUNSET LIGHTING • A DIVISION OF LUMINANCE
P: 800.777.4440 | F: 800.866.7672 | E: INSIDESALES@LUMINANCE.US.COM
1945 TUBEWAY AVE. LOS ANGELES, CA 90040 | WWW.LUMINANCE.US.COM

2 Building Lighting

PROGRESS LIGHTING

PARKING LOT LIGHTING

Project:
Fixture Type:
Location:
Contact:

LED SQ CYLINDER

Wall mounted · Damp location listed · PROGRESS LED

Specifications:

P5644-20-30K

Description:

6" LED Square Cylinder Up/Down Wall lantern

Construction:

Antique Bronze (-20)
Die-cast aluminum construction

Flicker-free dimming to 10% brightness with most ELV type dimmers (See Dimming Notes)
Backplate covers a standard 4" hexagonal recessed outlet box
4-1/2" sq Mounting strap for outlet box included
6" of wire supplied
Antique Bronze finish
Powder coat for chipping and fading resistance
Heavy-duty construction
Wet location listed when used with P8797 top cover lens (sold separately).

Images:

Dimensions:

Width: 6"
Height: 18

Performance:

Number of Modules	2
Input Power	29W
Input Voltage	120V
Input Frequency	60Hz
Lumens/LPW	2000/68 (LM-79) per module
CCT	3000K
CRI	90
Life	60,000 (L70/TM-21)
EMI/RFI	FCC Title 47, Part 15, Class B
Min. Start Temp	-30° C
Max. Operating Temp	30° C
Warranty	5 year warranty
Labels	cULus Damp location listed

Catalog number:

Base **P5644** - Finish **20** - Antique Bronze / Color Temp **30K** - 3000K / CRI **Blank**- 90 CRI

For more information visit our website: www.progresslighting.com

Progress Lighting • 701 Millennium Boulevard • Greenville, SC 29607

PROGRESS LIGHTING

LED SQ CYLINDER

Wall mounted · Damp location listed · PROGRESS LED

P5644-20-30K

Dimming Notes:

P5644 is designed to be compatible with many Electronic Low Voltage (ELV-Reverse Phase) controls.

The following is a partial list of known compatible dimmer controls:

Electronic Low Voltage ELV Reverse Phase Controls

Lutron	Diva Series	(Part Number DVELV-300P)
Lutron	Nova T Series	(Part Number NTELV-300)
Lutron	Vierti Series	(Part Number VTELV-600)
Lutron		(Part Number MAELV-600)
Lutron		(Part Number SPELV-600)
Leviton		(Part Number AWRMC-EAW)
Leviton		(Part Number 6615-P)

Digital type dimmers are not recommended.

Dimming capabilities will vary depending on the dimmer control, load, and circuit installation.
Always refer to dimmer manufacturer instructions or a controls specialist for specific requirements.

Dimmer control brand names where identified above are trade names or registered trademarks of each respective company.

For more information visit our website: www.progresslighting.com

Progress Lighting • 701 Millennium Boulevard • Greenville, SC 29607

1 Parking Lot Lighting

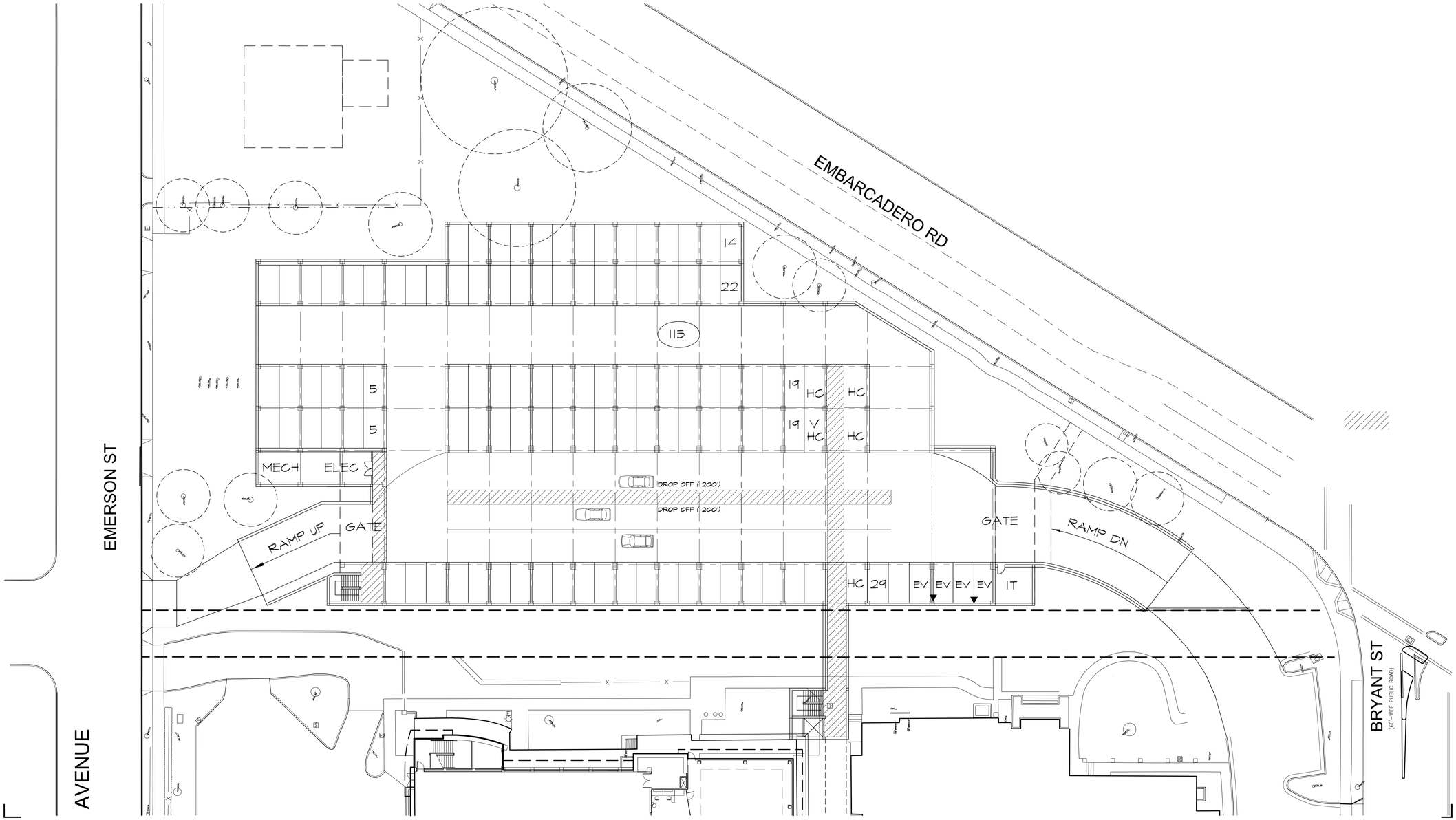
Revisions

Winterbotham Partnership
Landscape Architects
1134 Crane Street, Suite 216
Menlo Park, California 94025
(650) 823-0291 winterbotham@jps.net

Castilleja School
1310 Bryant Street
Palo Alto
California

Light Fixture Cut-Sheets

Date	2/15/2018
Scale	No Scale
Drawn	
Sheet	L5.02



N

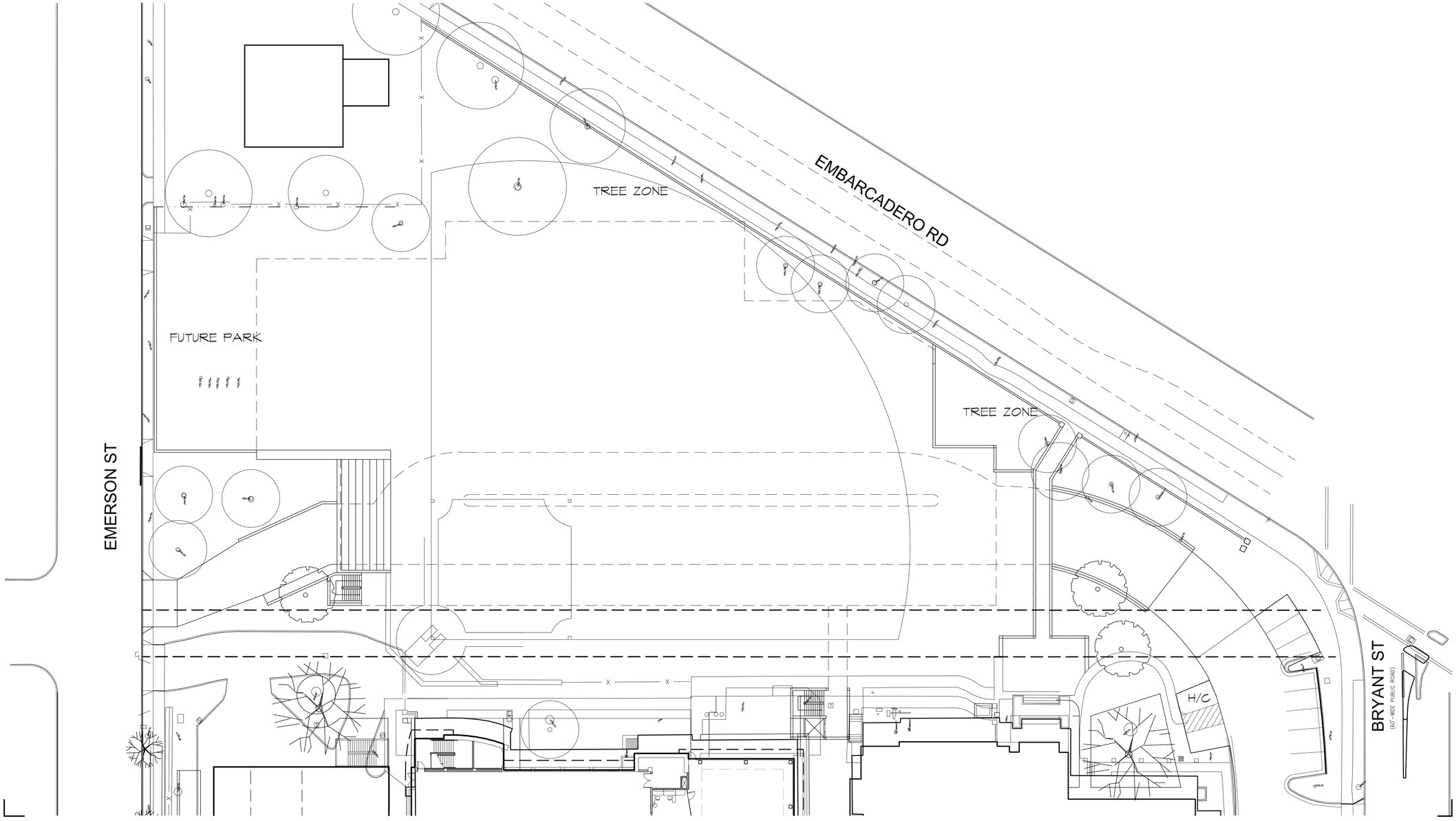
1 / A2.1 SITE PLAN - LOWER LEVEL/ GARAGE-A

CASTILLEJA SCHOOL
NEW PARKING GARAGE

PALO ALTO, CA

GARAGE-A
SITE PLAN
LOWER LEVEL

A2-1



N

1 / A2.2 SITE PLAN

CASTILLEJA SCHOOL
NEW PARKING GARAGE

PALO ALTO, CA

GARAGE-A
SITE PLAN

A2-2

CASTILLEJA SCHOOL

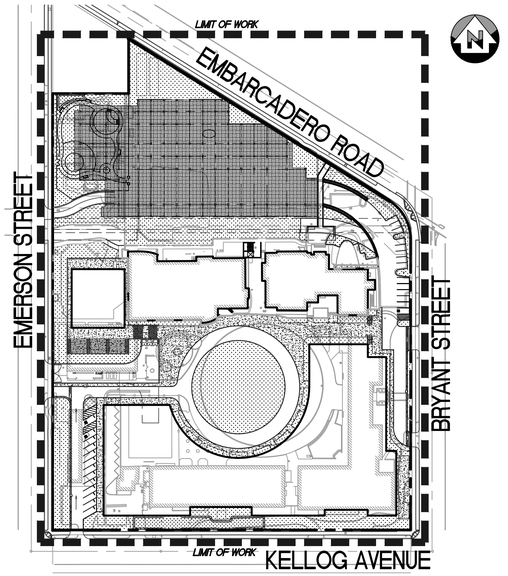
1310 BRYANT STREET
PALO ALTO, CA

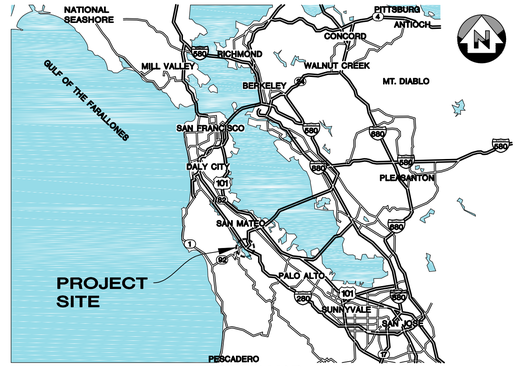
LEGEND

	PROPOSED
SAWCUT AND CONFORM LINE	SAWCUT
RETAINING WALL	
A.C. PAVEMENT	
CONC. VALLEY GUTTER	
CONC. SIDEWALK OR PAD	
6" CURB & GUTTER	
EDGE OF A.C. PAVEMENT	
6" VERTICAL CURB	
CENTER LINE	
SANITARY SEWER MAIN	SS
STORM DRAIN MAIN	SD
PERFORATED PIPE	SBD
WATER MAIN	W
FIRE WATER MAIN	FW
DOMESTIC WATER MAIN	DW
CHILLED WATER MAIN	CHWS / CHWR
IRRIGATION LINE	IRR
HOT WATER SUPPLY & RETURN	HWS / HWR
TRENCH DRAIN	
METAL BEAM GUARD RAIL	
SILT FENCE	
FLOW LINE	
CHAIN LINK FENCE	x x
GAS MAIN	2" G
ELECTRICAL CONDUIT	E
OVERHEAD ELECTRIC LINE	OHE
UNDERGROUND ELECTRIC LINE	UGE
STREET LIGHT CONDUIT	SL
CONTOUR ELEVATION LINE	XX
SPOT ELEVATION	FG XX.XX
DIRECTION OF SLOPE	X:1 X%
GAS METER	GM
GAS VALVE	GV
WATER METER	WM
WATER VALVE	WV
FIRE HYDRANT	
BACK FLOW PREVENTOR	
POST INDICATOR VALVE	PIV
FIRE DEPARTMENT CONNECTION	
WATER LINE TEE	
AIR RELEASE VALVE	ARV
SIGN	
ACCESSIBLE RAMP	
CONCRETE THRUST BLOCK	
REDUCER	
SANITARY SEWER CLEANOUT	SSCO
STORM OR SEWER MANHOLE	
STORM DRAIN AREA DRAIN	
STORM DRAIN CATCH BASIN	
STORM DRAIN CURB INLET	
STORM DRAIN CLEANOUT	SDCO
ELECTROLIER	
JOINT POLE	
OVERLAND RELEASE	
CONSTRUCTION DETAIL REFERENCE	X / C-X.X — DETAIL REFERENCE / SHEET REFERENCE

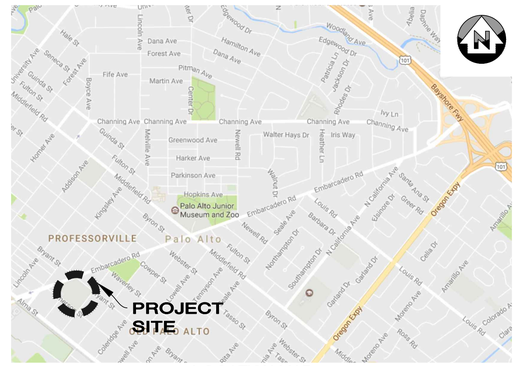
ABBREVIATIONS

AB	–	AGGREGATE BASE
AC	–	ASPHALT CONCRETE
AD	–	AREA DRAIN
ADA	–	AMERICANS WITH DISABILITIES ACT
ASB	–	AGGREGATE SUBBASE
BC	–	BEGINNING OF CURVE
BFP	–	BACK FLOW PREVENTOR
BLDC	–	BUILDING CORNER
BLDG	–	BUILDING
BOS	–	BOTTOM OF STEP
BOW	–	FG AT BOTTOM OF WALL
BVC	–	BEGIN VERTICAL CURVE
BW	–	BACK OF WALK
C	–	CONCRETE OR CIVIL
C&G	–	CURB AND GUTTER
CB	–	CATCH BASIN
CI	–	CURB INLET
CIP	–	CAST IRON PIPE
℄	–	CENTER LINE
CMP	–	CORRUGATED METAL PIPE
CO	–	CLEANOUT
CONC	–	CONCRETE
CONST	–	CONSTRUCTION
CY	–	CUBIC YARD
DDCV	–	DOUBLE DETECTOR CHECK VALVE
DI	–	DROP INLET
DIP	–	DUCTILE IRON PIPE
DOM	–	DOMESTIC
DW	–	DOMESTIC WATER
DWG	–	DRAWING
E	–	ELECTRICAL
EC	–	END OF CURVE
EP	–	EDGE OF PAVEMENT
ER	–	END OF RETURN
EVC	–	END VERTICAL CURVE
ELEV	–	ELEVATION
EX., EXIST.	–	EXISTING
FC	–	FACE OF CURB
FDC	–	FIRE DEPARTMENT CONNECTION
FF	–	FINISHED FLOOR
FG	–	FINISHED GRADE
FH	–	FIRE HYDRANT
FL	–	FLOW LINE
FOUND	–	FOUNDATION
FS	–	FINISHED SURFACE
FT	–	FOOT
FW	–	FIRE WATER
G	–	GAS
GB	–	GRADE BREAK
GV	–	GATE VALVE
HP	–	HIGH POINT
INV	–	INVERT ELEVATION
JP	–	JOINT POLE
JT	–	JOINT TRENCH
LIP	–	LIP OF GUTTER
LP	–	LOW POINT
LSA	–	LANDSCAPE ARCHITECT
MAX	–	MAXIMUM
MEP	–	MECHANICAL/ELECTRICAL/PLUMBING
MH	–	MANHOLE
MIN	–	MINIMUM
MPVC	–	MIDPOINT OF VERTICAL CURVE
MON	–	MONUMENT
NO	–	NUMBER
NTS	–	NOT TO SCALE
P	–	PAVEMENT ELEVATION
PCC	–	PORTLAND CEMENT CONCRETE / POINT OF CONTINUOUS CURVATURE
PIV	–	POST INDICATOR VALVE
PL	–	PROPERTY LINE
PMH	–	POWER MANHOLE
POC	–	POINT ON CURVE
PP	–	POWER POLE
PRC	–	POINT OF REVERSE CURVATURE
PVC	–	POLYVINYL CHLORIDE PIPE
R	–	RADIUS
RC	–	RELATIVE COMPACTION
RCP	–	REINFORCED CONCRETE PIPE
RPPA	–	REDUCED PRESSURE PRINCIPLE ASSEMBLY
R/W	–	RIGHT OF WAY
S	–	SLOPE
S.A.D	–	SEE ARCHITECTURAL DRAWINGS
SB	–	SEDIMENT BASIN
SD	–	STORM DRAIN
SDCB	–	STORM DRAIN CATCH BASIN
SDMH	–	STORM DRAIN MANHOLE
S.E.D.	–	SEE ELECTRICAL DRAWINGS
SBD	–	SUBDRAIN
SG	–	SUBGRADE
S.L.D.	–	SEE LANDSCAPE DRAWINGS
S.M.D.	–	SEE MECHANICAL DRAWINGS
SMH	–	SIGNAL MANHOLE
S.P.D.	–	SEE PLUMBING DRAWINGS
SS	–	SANITARY SEWER
STA	–	STATION
STD	–	STANDARD
S/W	–	SIDEWALK
TC	–	TOP OF CURB
TD	–	TRENCH DRAIN
TOD	–	TOP OF DOCK
TOE	–	TOE OF SLOPE
TOS	–	TOP OF STAIR
TOW	–	FG AT TOP OF WALL
TS	–	TOP OF SLAB
TYP	–	TYPICAL
U/G	–	UNDERGROUND
VC	–	VERTICAL CURVE
WM	–	WATER METER
WV	–	WATER VALVE





VICINITY MAP
NTS



LOCATION MAP
NTS

EARTHWORK QUANTITIES

CUT 45,800 CY
FILL 0 CY
BALANCE 45,800 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. FILL SHORTAGE IS ANTICIPATED TO COME FROM ON-SITE SPOILS ACQUIRED FROM UTILITY TRENCHES AND FOOTING SPOILS.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

PROJECT DESCRIPTION

CONSTRUCTION OF NEW UNDERGROUND PARKING STRUCTURE UNDER EXISTING SPORTS FIELD, A NEW ACADEMIC BUILDING AND A NEW SWIMMING POOL. THE IMPROVEMENTS OF THE SWIMMING POOL WILL BE RECESSED BELOW STREET LEVEL TO REDUCE NOISE POLLUTION TO SURROUNDING NEIGHBORHOOD.

OWNER INFO

CASTILLEJA SCHOOL
CONTACT PERSON: KATHY LAYENDECKER
1310 BRYANT ST.
PALO ALTO, CA 94301
PH: (650)470-7751
EMAIL: KLAYENDECKER@CASTILLEJA.ORG

INDEX OF SHEETS:

UNAUTHORIZED CHANGES AND USES

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THE PLANS.

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

SANDIS CIVIL ENGINEERS SURVEYORS PLANNERS
1700 S. Winchester Blvd, Suite 200, Campbell, CA 95008 I P. 408.636.0900 I F. 408.636.0999 I www.sandis.net
SILICON VALLEY TRI-VALLEY CENTRAL VALLEY SACRAMENTO EAST BAY/SF

DATE:	02/09/18
SCALE:	NO SCALE
DRAWN BY:	CV
APPROVED BY:	ND
DRAWING NO.:	216111

No.	REVISION/ISSUE	DATE	BY
	PRELIMINARY CUP SUBMITTAL	02/09/18	

COVER SHEET

1310 BRYANT STREET
CASTILLEJA SCHOOL
PALO ALTO CALIFORNIA

SHEET C-1.0 OF __ SHEETS

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CONSTRUCTION NOTES

1. ALL OFF-SITE CONSTRUCTION MATERIAL AND METHODS SHALL COMPLY WITH THE LATEST EDITION OF THE CITY OF PALO ALTO AND THE LATEST CALTRANS STANDARD PLANS & SPECIFICATIONS.
2. CONTRACTOR SHALL LEAVE AN EMERGENCY PHONE NUMBER WITH THE CITY OF PALO ALTO POLICE AND FIRE DEPARTMENTS.
3. CONTRACTOR SHALL POST ON THE SITE, EMERGENCY TELEPHONE NUMBERS FOR PUBLIC WORKS, AMBULANCE, POLICE, AND FIRE DEPARTMENTS.
4. CONTRACTOR SHALL NOTIFY ALL PUBLIC OR PRIVATE UTILITY OWNERS 48 HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO THE UTILITY UNLESS AN EXCAVATION PERMIT SPECIFIES OTHERWISE.
5. THE CONTRACTOR SHALL HIRE A STREET CLEANING CONTRACTOR TO CLEAN UP DIRT AND DEBRIS FROM CITY STREETS THAT ARE ATTRIBUTABLE TO THE DEVELOPMENT'S CONSTRUCTION ACTIVITIES.
6. ALL GRADING SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MAINTENANCE DISTRICT FOR AIRBORNE PARTICULATES (DUST).
7. ALL GRADING SHALL CONFORM TO APPROVED SPECIFICATIONS PRESENTED HEREON OR ATTACHED HERETO. ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE SOILS ENGINEER. THE GEOTECHNICAL ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE BEGINNING ANY GRADING. UNOBSERVED AND UNAPPROVED GRADING WORK SHALL BE REMOVED AND REDONE AT THE CONTRACTORS EXPENSE.
8. ALL MATERIALS, REQUIRED FOR THE COMPLETE EXECUTION OF THE PROJECT, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
9. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY DURING THE CONSTRUCTION PERIOD.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING IMPROVEMENTS OF UNDERGROUND FACILITIES DAMAGED DURING THE CONSTRUCTION PERIOD.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL ENCROACHMENT, EXCAVATION, CONCRETE, ELECTRICAL, PLUMBING, ETC. PERMITS NECESSARY PRIOR TO BEGINNING CONSTRUCTION FOR ANY WORK.
12. THE CONTRACTOR SHALL HAVE A SUPERINTENDENT OR REPRESENTATIVE ON SITE AT ALL TIMES DURING CONSTRUCTION.
13. STORAGE OF CONSTRUCTION MATERIAL AND EQUIPMENT ON CITY STREETS WILL NOT BE PERMITTED.
14. CONSTRUCTION EQUIPMENT SHALL BE PROPERLY MUFFLED. UNNECESSARY IDLING OF GRADING CONSTRUCTION EQUIPMENT IS PROHIBITED.
15. CONSTRUCTION EQUIPMENT, TOOLS, ETC. SHALL NOT BE CLEANED OR RINSED INTO A STREET, GUTTER OR STORM DRAIN.
16. A CONTAINED AND COVERED AREA ON-SITE SHALL BE USED FOR STORAGE OF CEMENT BAGS, PAINTS, FLAMMABLE, OILS, FERTILIZERS, PESTICIDES, OR ANY OTHER MATERIALS THAT HAVE POTENTIAL FOR BEING DISCHARGED TO THE STORM DRAIN SYSTEM BY WIND OR IN THE EVENT OF A MATERIAL SPILL.
17. ALL CONSTRUCTION DEBRIS SHALL BE GATHERED ON A REGULAR BASIS AND PLACED IN A DUMPSTER WHICH IS EMPTIED OR REMOVED WEEKLY. WHEN FEASIBLE, TARPS SHALL BE USED ON THE GROUND TO COLLECT FALLEN DEBRIS OR SPLATTERS THAT COULD CONTRIBUTE TO STORMWATER POLLUTION.
18. ANY TEMPORARY ON-SITE CONSTRUCTION PILES SHALL BE SECURELY COVERED WITH A TARP OR OTHER DEVICE TO CONTAIN DEBRIS.
19. CONCRETE TRUCKS AND CONCRETE FINISHING OPERATIONS SHALL NOT DISCHARGE WASH WATER INTO THE STREET GUTTERS OR DRAINS.

DISCREPANCIES

IF THERE ARE ANY DISCREPANCIES BETWEEN DIMENSIONS IN DRAWINGS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE ATTENTION OF THE ENGINEER FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES, SUBCONTRACTORS, AND PERSONS ENGAGED UPON THIS CONTRACT.

UTILITY/POTHOLE NOTE

THE TYPES, LOCATIONS, SIZES AND /OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND FACILITIES AND UTILITIES BY POTHOLING PRIOR TO COMMENCING CONSTRUCTION.

DIMENSIONS

ALL DIMENSIONS ON THE PLANS ARE IN FEET OR DECIMALS THEREOF UNLESS SPECIFICALLY CALLED OUT AS FEET AND INCHES.

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

ENCROACHMENT NOTE:

A SEPARATE ENCROACHMENT PERMIT IS REQUIRED FOR ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY. IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN THIS ENCROACHMENT PERMIT AND FOLLOW ALL CONSTRUCTION RELATED REQUIREMENTS OF SUCH PERMIT.

FLOODZONE

THIS PROJECT IS IN FLOOD ZONE X: AREAS OUTSIDE OF 0.2% ANNUAL CHANCE FLOOD.

INFORMATION OBTAINED FROM THE FLOOD INSURANCE RATE MAP (FIRM) NO. 06085C0017H DATED MAY 18, 2009 PRODUCED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA).

FIRE DESIGN NOTE:

THE CONTRACTOR SHALL DESIGN, PREPARE SHOP DRAWINGS FOR, OBTAIN ALL REQUIRED APPROVALS, AND CONSTRUCT THE FIRE SYSTEM FOR THE PROPOSED PROJECT. CONTRACTOR SHALL HAVE SHOP DRAWINGS STAMPED BY A FIRE PROTECTION ENGINEER AS REQUIRED BY THE LOCAL AUTHORITY.

UNDERGROUND WORK CAUTION

CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. FOR NORTHERN CALIFORNIA DIAL 811 OR (800) 227-2600. FOR OTHER AREAS CALL (800) 642-2444. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY WORK ON THIS SITE.

DEMOLITION NOTES

1. CONTRACTOR IS TO COMPLY WITH ALL GENERAL AND STATE REQUIREMENTS INVOLVING THE REMOVAL AND DISPOSAL OF HAZARDOUS MATERIAL(S).
2. CONTRACTOR'S BID IS TO INCLUDE ALL VISIBLE SURFACE AND ALL SUBSURFACE FEATURES IDENTIFIED TO BE REMOVED OR ABANDONED IN THESE DOCUMENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS. THE CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH THE DEMOLITION WORK.
5. BACKFILL ALL DEPRESSIONS AND TRENCHES FROM DEMOLITION TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
6. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
7. PRIOR TO BEGINNING DEMOLITION WORK ACTIVITIES, CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES OUTLINED IN THE EROSION CONTROL PLAN & DETAILS AND THE PROJECT SWPPP IF APPLICABLE.
8. THE CONTRACTOR SHALL MAINTAIN ALL SAFETY DEVICES, AND SHALL BE RESPONSIBLE FOR CONFORMANCE TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS LAWS AND REGULATIONS.
9. THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING IMPROVEMENTS FACILITIES AND STRUCTURES WHICH ARE TO REMAIN. ANY ITEMS DAMAGED BY THE CONTRACTOR OR THEIR AGENTS OR ANY ITEMS REMOVED FOR HIS USE SHALL BE REPLACED IN EQUAL OR BETTER CONDITION AS APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE.
10. COORDINATE WITH ELECTRICAL, MECHANICAL, LANDSCAPING AND ARCHITECTURAL DRAWINGS FOR UTILITY SHUT-DOWN/DISCONNECT LOCATIONS. CONTRACTOR IS TO SHUT OFF ALL UTILITIES AS NECESSARY PRIOR TO DEMOLITION. CONTRACTOR IS TO COORDINATE SERVICE INTERRUPTIONS WITH THE UTILITY OWNER AND ANY AFFECTED PROPERTIES OR BUILDINGS. SEE ARCHITECTURAL PLANS FOR ADDITIONAL DEMOLITION SCOPE OF WORK.
11. THIS PLAN IS NOT INTENDED TO BE A COMPLETE CATALOGUE OF ALL EXISTING STRUCTURES AND UTILITIES. THIS PLAN INTENDS TO DISCLOSE GENERAL INFORMATION KNOWN BY THE ENGINEER AND TO SHOW THE LIMITS OF THE AREA WHERE WORK WILL BE PERFORMED. THIS PLAN SHOWS THE EXISTING FEATURES TAKEN FROM A FIELD SURVEY, FIELD INVESTIGATIONS AND AVAILABLE INFORMATION. THIS PLAN MAY OR MAY NOT ACCURATELY REFLECT THE TYPE OR EXTENT OF THE ITEMS TO BE ENCOUNTERED AS THEY ACTUALLY EXIST. WHERE EXISTING FEATURES ARE NOT SHOWN, IT IS NOT IMPLIED THAT THEY ARE NOT TO BE DEMOLISHED OR RELOCATED. THE CONTRACTOR SHALL PERFORM A THOROUGH FIELD INVESTIGATION AND REVIEW OF THE SITE WITHIN THE LIMIT OF WORK SHOWN IN THIS PLAN SET TO DETERMINE THE TYPE, QUANTITY AND EXTENT OF ANY AND ALL ITEMS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXTENT OF EXISTING STRUCTURES AND UTILITIES AND QUANTITY OF WORK INVOLVED IN REMOVING THESE ITEMS FROM THE SITE.
12. CONTRACTOR TO DEMOLISH AND REMOVE ALL IRRIGATION IN LANDSCAPE AREAS WITHIN THE LIMIT OF WORK. IF ANY IRRIGATION LINES OR MAINS ARE IN THE LIMIT OF WORK OR ARE DAMAGED THAT SERVE LANDSCAPE TO REMAIN, CONTRACTOR TO RECONNECT OR RELOCATE AT NO ADDITIONAL COST TO OWNER.
13. PROTECT ALL EXISTING UTILITIES IN PLACE UNLESS OTHERWISE NOTED. REPLACE ANY DAMAGED UTILITY TO REMAIN TO KEEP OPERABLE DURING CONSTRUCTION.
14. ALL UTILITY SHUT DOWNS ARE TO BE AVOIDED. IF SHUT DOWNS ARE NECESSARY, CONTRACTOR TO COORDINATE SHUT DOWN WITH UTILITY OWNER WITH 48 HOUR MINIMUM NOTICE.
15. ALL EXISTING STORM DRAIN, SANITARY SEWER, AND WATER MAINS THAT SERVE EXISTING BUILDINGS MUST REMAIN OPERABLE DURING CONSTRUCTION. CONTRACTOR TO SET UP TEMPORARY SERVICE OR PUMP AS NECESSARY TO ENSURE UNINTERRUPTED SERVICE.

RECORD DRAWING NOTE

THE CONTRACTOR SHALL KEEP UP-TO-DATE AND ACCURATE A COMPLETE RECORD SET OF PRINTS OF THE CONTRACT DRAWINGS SHOWING EVERY CHANGE FROM THE ORIGINAL DRAWINGS MADE DURING THE COURSE OF CONSTRUCTION INCLUDING EXACT FINAL LOCATION, ELEVATION, SIZES, MATERIALS, AND DESCRIPTION OF ALL WORK. RECORDS SHALL BE "REDLINED" ON A SET OF CONSTRUCTION PLAN DRAWINGS. A COMPLETE SET OF CORRECTED AND COMPLETED RECORD DRAWING PRINTS SHALL BE SUBMITTED TO THE CITY ENGINEER AND DEVELOPER'S CIVIL ENGINEER PRIOR TO FINAL ACCEPTANCE FOR REVIEW AND APPROVAL BY THE CITY ENGINEER.

APPLICABLE FIRE CODE NOTES

APPLICABLE CODES AS OF JANUARY 1, 2017:

2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

2016 CALIFORNIA BUILDING CODE, VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR)
(2015 EDITION INTERNATIONAL BUILDING CODE)

2016 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)
(2015 EDITION NATIONAL ELECTRICAL CODE)

2016 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)
(2015 EDITION UNIFORM MECHANICAL CODE)

2016 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)
(2015 EDITION UNIFORM PLUMBING CODE)

2016 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

2016 CALIFORNIA ELEVATOR SAFETY ORDERS (CHAPTER 4, TITLE 8, CCR)

2016 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)

2016 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

PARTIAL LIST OF APPLICABLE STANDARDS:

NFPA 13 – AUTOMATIC SPRINKLER SYSTEMS – 2016 EDITION
NFPA 14 – STANDPIPE SYSTEMS – 2016 EDITION
NFPA 17A – WET CHEMICAL SYSTEMS – 2017 EDITION
NFPA 24 – PRIVATE FIRE MAINS – 2016 EDITION
NFPA 72 – NATIONAL FIRE ALARM CODE – 2016 EDITION
NFPA 253 – CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS – 2015 EDITION
NFPA 20 – STATIONARY PUMPS FOR FIRE PROTECTION – 2016 EDITION
NFPA 99 – HEALTH CARE FACILITIES – 2015 EDITION

UNDERGROUND FIRE SERVICE TO FIRE HYDRANTS REQUIREMENTS:

NFPA 24, SEC. 10.10.2.1: UNDERGROUND PIPING, FROM THE WATER SUPPLY TO THE SYSTEM RISER, AND LEAD-IN CONNECTIONS TO THE SYSTEM RISER, INCLUDING ALL HYDRANTS, SHALL BE COMPLETELY FLUSHED BEFORE THE CONNECTION IS MADE TO THE DOWNSTREAM FIRE PROTECTION SYSTEM PIPING. THE FLUSHING OPERATION SHALL BE CONTINUED FOR A SUFFICIENT TIME TO ENSURE THOROUGH CLEANING. THE MINIMUM RATE OF FLOW SHALL BE NOT LESS THAN THAT SPECIFIED IN SECTION 10.10.2.1.3.

NFPA 24, SEC. 10.10.2.1.3: THE MINIMUM RATE OF FLOW SHALL BE NO LESS THAN ONE OF THE FOLLOWING: (1) HYDRAULICALLY CALCULATED WATER DEMAND FLOW RATE OF THE SYSTEM, INCLUDING ANY HOSE REQUIREMENTS; (2) FLOW NECESSARY TO PROVIDE A VELOCITY OF 10 FT/SEC (3.1 M/SEC) IN ACCORDANCE WITH TABLE 10.10.2.1.3; (3) MAXIMUM FLOW RATE AVAILABLE TO THE SYSTEM UNDER THE CONDITIONS.

NFPA 24, SEC. 10.10.2.2.1*: ALL PIPING AND ATTACHED APPURTENANCES SUBJECTED TO SYSTEM WORKING PRESSURE SHALL BE HYDROSTATICALLY TESTED AT 200 PSI (13.8 BAR) OR 50 PSI (3.5 BAR) IN EXCESS OF THE SYSTEM WORKING PRESSURE, WHICHEVER IS GREATER, AND SHALL MAINTAIN THAT PRESSURE AT + 5 PSI (0.35 BAR) FOR 2 HOURS.

NFPA 24, SEC 10.10.1: THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING: (1) NOTIFYING THE AUTHORITY HAVING JURISDICTION AND THE OWNER'S REPRESENTATIVE OF THE TIME AND DATE TESTING IS TO BE PERFORMED; (2) PERFORMING ALL REQUIRED ACCEPTANCE TESTS; (3) COMPLETING AND SIGNING THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE(S) SHOWN IN FIGURE 10.10.1.

NFPA 24, CHAPTER 10.4.3: IN THOSE LOCATIONS WHERE FROST IS NOT A FACTOR, THE DEPTH OF COVER SHALL NOT BE LESS THAN 2 ½ FEET (0.8 M) TO PREVENT MECHANICAL DAMAGE.

HAZARDOUS MATERIALS NOTE

THERE MAY BE ASBESTOS CONTAINING PIPE AND PIPE INSTALLATION OR OTHER HAZARDOUS MATERIALS WITHIN THE PROJECT AREA. THE CONTRACTOR WILL PROTECT ALL HAZARDOUS CONTAINING ITEMS DURING THE EXECUTION OF THIS CONTRACT. ADDITIONALLY THE CONTRACTOR WILL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS REGARDING CONSTRUCTION ACTIVITIES NEAR HAZARDOUS MATERIALS.

CONSTRUCTION FENCE

1. CONTRACTOR SHALL PROVIDE A CONSTRUCTION FENCE AROUND THE ENTIRE AREA OF DEMOLITION AND CONSTRUCTION, INCLUDING ALL STAGING, STORAGE, CONSTRUCTION OFFICE AND LAYDOWN AREAS.
2. CONSTRUCTION FENCE SHALL BE A MINIMUM OF A 6' HIGH GALVANIZED CHAIN LINK WITH GREEN WINDSCREEN FABRIC ON THE OUTSIDE OF THE FENCE.
3. CONSTRUCTION FENCE ADDRESSED IN THESE NOTES IS ONLY FOR VISUAL CONFORMANCE OF THIS CONSTRUCTION SITE TO THE CITY STANDARDS. CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL FENCING, BARRICADES OR OTHER SAFETY DEVICES TO KEEP THE SITE SECURE AND SAFE.

GENERAL UTILITY NOTES

1. ALL TRENCHES SHALL BE BACK FILLED PER THE GEOTECHNICAL REPORT OR UTILITY OWNERS STANDARD DETAILS AND SPECIFICATIONS.
2. CONTRACTOR SHALL STAKE LOCATION OF ABOVE GROUND UTILITY EQUIPMENT (TRANSFORMER, GAS METER, ETC.) . PLANNING DEPARTMENT MUST SPECIFICALLY AGREE WITH LOCATION PRIOR TO PROCEEDING WITH ANY REVISIONS TO APPROVED LOCATIONS.
3. CATHODIC PROTECTION SHALL BE REQUIRED ON ALL METALLIC FITTINGS AND ASSEMBLIES THAT ARE IN CONTACT WITH THE SOIL, UNLESS SPECIFICALLY DEEMED UNNECESSARY BY THE GEOTECHNICAL REPORT. CONTRACTOR IS RESPONSIBLE TO FULLY ENGINEER AND INSTALL THIS SYSTEM AND COORDINATE ANODE AND TEST STATION LOCATIONS WITH THE UTILITY OWNER.
4. COMPLETE SYSTEMS: ALL UTILITY SYSTEMS ARE DELINEATED IN A SCHEMATIC MANNER ON THESE PLANS. CONTRACTOR IS TO PROVIDE ALL FITTINGS, ACCESSORIES AND WORK NECESSARY TO COMPLETE THE UTILITY SYSTEM SO THAT IT IS FULLY FUNCTIONING FOR THE PURPOSE INTENDED.
5. UNDERGROUND UTILITIES OR STRUCTURES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS AND EXTENT BASED UPON RECORD INFORMATION. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CLIENT, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, AGREES TO ASSUME LIABILITY AND TO HOLD UNDERSIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED; NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THOSE REPORTED OR SHOWN ON RECORDS EXAMINED.
6. CONTRACTOR SHALL VERIFY ALL EXISTING INVERT ELEVATIONS FOR STORM DRAIN AND SANITARY SEWER CONSTRUCTION PRIOR TO COMMENCEMENT OF ANY WORK. ALL WORK FOR STORM AND SANITARY SEWER INSTALLATION SHALL BEGIN AT THE DOWNSTREAM CONNECTION POINT. THIS WILL ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORK UP-STREAM, AND SHALL PROCEED AT HIS OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY.
7. EXISTING UTILITY CROSSINGS OF NEW PIPELINE ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. GAS, WATER AND SEWER SERVICE LATERALS ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE TYPE, SIZE, LOCATION AND DEPTH OF ALL THE UTILITY CROSSING (BOTH MAINS AND LATERALS) ARE CORRECT AS SHOWN. NO GUARANTEE IS MADE THAT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) ARE SHOWN. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING AND SHALL PROTECT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) FROM DAMAGE DUE TO HIS OPERATION.
8. VERTICAL SEPARATION REQUIREMENTS (UNLESS SPECIFICALLY SHOWN OTHERWISE ON PLANS):

   A MINIMUM OF SIX (6) INCHES VERTICAL CLEARANCE, MEASURED FROM OUTSIDE EDGE OF PIPE, SHALL BE PROVIDED BETWEEN CROSSING UTILITY PIPES, EXCEPT THAT THE MINIMUM VERTICAL CLEARANCE BETWEEN WATER AND SANITARY SEWER PIPELINES SHALL BE 12 INCHES AND ALL NEW WATER PIPES SHALL BE TYPICALLY INSTALLED TO CROSS ABOVE/OVER EXISTING SANITARY SEWER PIPELINES.

   WHERE NEW WATER PIPELINES ARE REQUIRED TO CROSS UNDER EXISTING AND/OR NEW SANITARY SEWER PIPELINES, THE MINIMUM VERTICAL SEPARATION SHALL BE 12 INCHES. WATER LINE PIPE ENDS SHALL BE INSTALLED NO CLOSER THAN 10' MINIMUM HORIZONTAL DISTANCE FROM CENTERLINE OF UTILITY CROSSINGS, WHERE FEASIBLE.
9. HORIZONTAL SEPARATION REQUIREMENTS (UNLESS SPECIFICALLY SHOWN OTHERWISE ON PLANS):

   A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND ANY EXISTING UTILITIES SHALL BE 5' FEET, EXCEPT THAT THE MINIMUM HORIZONTAL SEPARATION FOR WATER AND SANITARY SEWER MAIN PIPELINES SHALL BE 10' MINIMUM.

   A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND JOINT TRENCH SHALL BE 5 FEET.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING APPROPRIATE UTILITIES AND REQUESTING VERIFICATION OF SERVICE POINTS, FIELD VERIFICATION OF LOCATION, SIZE, DEPTH, ETC. FOR ALL THEIR FACILITIES AND TO COORDINATE WORK SCHEDULES.
11. ANY EXISTING UNDERGROUND UTILITY LINES TO BE ABANDONED, SHALL BE REMOVED FROM WITHIN THE PROPOSED BUILDING ENVELOPE AND THEIR ENDS CAPPED OUTSIDE OF THE BUILDING ENVELOPE.
12. ANY PIPING TO BE ABANDONED IN PLACE SHALL BE FILLED WITH GROUT AND CAPPED.

PAVEMENT SECTIONS

1. SEE STRUCTURAL DRAWINGS FOR BUILDING SLAB SECTIONS AND PAD PREPARATIONS.
2. SEE GEOTECHNICAL REPORT FOR ALL FLATWORK AND VEHICULAR PAVEMENT SECTIONS AND BASE REQUIREMENTS.
3. THE FINAL OR SURFACE LAYER OF ASPHALT CONCRETE SHALL NOT BE PLACED UNTIL ALL ON-SITE IMPROVEMENTS HAVE BEEN COMPLETED, INCLUDING ALL GRADING, AND ALL UNACCEPTABLE CONCRETE WORK HAS BEEN REMOVED AND REPLACED, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER AND/OR DEVELOPER'S CIVIL ENGINEER.
4. ALL PAVING SHALL BE IN CONFORMANCE WITH SECTION 26 "AGGREGATE BASE" AND SECTION 39 "ASPHALT CONCRETE" PER LATEST EDITION OF CALTRANS STANDARD SPECIFICATIONS.

EARTHWORK NOTE

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INCLUDE ALL MATERIAL AND LABOR REQUIRED WITHIN THE BID PRICE, FOR EARTHWORK CONSTRUCTION, TO CARRY OUT THE CUT/FILL AND/OR IMPORT/EXPORT AS NECESSARY TO MEET THE DESIGN GRADES SHOWN ON THE PLANS. CONTRACTOR IS TO DELIVER TO OWNER THE PROJECT IN A COMPLETE AND OPERATIONAL MANNER. EARTHWORK QUANTITIES SHOWN ON THE PLANS OR REPRESENTED BY THE ENGINEER ARE APPROXIMATE AND ARE FOR GRADING PERMIT APPROVAL ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ANY INVESTIGATION OR STUDIES THAT ARE REQUIRED BY THE CONTRACTOR TO SATISFY THIS REQUIREMENT. NO ADDITIONAL COMPENSATION SHALL BE PAID FOR SAID CUT/FILL AND/OR IMPORT/EXPORT.

DUST CONTROL NOTES

1. WATER TRUCKS SHALL BE PRESENT AND IN USE AT THE CONSTRUCTION SITE. ALL PORTIONS OF THE SITE SUBJECT TO BLOWING DUST SHALL BE WATERED AS OFTEN AS DEEMED NECESSARY BY THE CLIENT/INSPECTOR IN ORDER TO INSURE PROPER CONTROL OF BLOWING DUST FOR THE DURATION OF THE PROJECT.
2. ALL PUBLIC STREETS AND MEDIANS SOILED OR LITTERED DUE TO THIS CONSTRUCTION ACTIVITY SHALL BE CLEANED AND SWEPT ON A DAILY BASIS DURING THE WORK WEEK, OR AS OFTEN AS DEEMED NECESSARY BY THE CLIENT/INSPECTOR, OR TO THE SATISFACTION OF THE CITY OF PALO ALTO DEPARTMENT OF PUBLIC WORKS.
3. ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS SHALL BE COVERED WITH TARPAULINS OR OTHER EFFECTIVE COVERS.
4. WHEEL WASHERS SHALL BE INSTALLED AND USED TO CLEAN ALL TRUCKS AND EQUIPMENT LEAVING THE CONSTRUCTION SITE. IF WHEEL WASHERS CANNOT BE INSTALLED, TIRES OR TRACKS OF ALL TRUCKS AND EQUIPMENT SHALL BE WASHED OFF BEFORE LEAVING THE CONSTRUCTION SITE.
5. THE CONTRACTOR SHALL DEMONSTRATE DUST SUPPRESSION MEASURES, SUCH AS REGULAR WATERING, WHICH SHALL BE IMPLEMENTED TO REDUCE EMISSIONS DURING CONSTRUCTION AND GRADING IN A MANNER MEETING THE APPROVAL OF THE CONSTRUCTION MANAGER. THIS SHALL ASSIST IN REDUCING SHORT-TERM IMPACTS FROM PARTICLES WHICH COULD RESULT IN NUISANCES THAT ARE PROHIBITED BY RULE 403 (FUGITIVE DUST).
6. GRADING OR ANY OTHER OPERATIONS THAT CREATES DUST SHALL BE STOPPED IMMEDIATELY IF DUST AFFECTS ADJACENT PROPERTIES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT DUST CONTROL FOR THE ENTIRE PROJECT SITE IN ACCORDANCE WITH THE PROJECT SWPPP (IF ONE EXISTS) OR AS APPLICABLE PER LOCAL REGULATIONS AT ALL TIMES. THE SITE SHALL BE SPRINKLERED AS NECESSARY TO PREVENT DUST NUISANCE. IN THE EVENT THAT THE CONTRACTOR NEGLECTS TO USE ADEQUATE MEASURES TO CONTROL DUST, THE CLIENT RESERVES THE RIGHT TO TAKE WHATEVER MEASURES ARE NECESSARY TO CONTROL DUST AND CHARGE THE COST TO THE CONTRACTOR.
7. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL MEASURES AND FOR OBTAINING ALL REQUIRED PERMITS AND APPROVALS. ALL GRADING OPERATIONS SHALL BE SUSPENDED DURING SECOND (OR WORSE) STAGE SMOG ALERTS.

GENERAL SITE NOTES

1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING ON THIS WORK AND CONSIDER THE EXISTING CONDITIONS AND SITE CONSTRAINTS IN THE BID. CONTRACTOR SHALL BE IN THE POSSESSION OF AND FAMILIAR WITH ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS AND SPECIFICATIONS PRIOR TO SUBMITTING OF A BID.
2. ALL WORK ON-SITE AND IN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS & SPECIFICATIONS.
3. PRIOR TO BEGINNING WORK, AND AFTER INITIAL HORIZONTAL CONTROL STAKING, CONTRACTOR SHALL FIELD CHECK ALL ELEVATIONS MARKED WITH (E) AND REPORT ANY DISCREPANCIES GREATER THAN 0.05' TO THE ENGINEER.
4. DAMAGE TO ANY EXISTING SITE IMPROVEMENTS, UTILITIES AND/OR SERVICES TO REMAIN SHALL BE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
5. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND INDEMNIFY AND HOLD THE CLIENT, THE CONSULTING ENGINEER AND THE CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CLIENT OR THE CONSULTING ENGINEER.

TREE PROTECTION

1. PRIOR TO BEGINNING CONSTRUCTION ON SITE, CONTRACTOR SHALL IDENTIFY AND PROTECT EXISTING TREES AND PLANTS DESIGNATED AS TO REMAIN.
2. PROTECT EXISTING TREES TO REMAIN FROM SPILLED CHEMICALS, FUEL OIL, MOTOR OIL, GASOLINE AND ALL OTHER CHEMICALLY INJURIOUS MATERIAL; AS WELL AS FROM PUDDLING OR CONTINUOUSLY RUNNING WATER. SHOULD A SPILL OCCUR, STOP WORK IN THAT AREA AND CONTACT THE CITY'S ENGINEER/INSPECTOR IMMEDIATELY. CONTRACTOR SHALL BE RESPONSIBLE TO MITIGATE DAMAGE FROM SPILLED MATERIAL AS WELL AS MATERIAL CLEAN UP.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ONGOING MAINTENANCE OF ALL TREES DESIGNATED TO REMAIN AND FOR MAINTENANCE OF RELOCATED TREES STOCKPILED DURING CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REPLACE TREES THAT DIE DUE TO LACK OF MAINTENANCE.
4. REFER TO LANDSCAPE PLANS, SPECIFICATIONS OR ARBORIST REPORT FOR TREE PROTECTION REQUIREMENTS AND MEASURES.

PROJECT SITE MAINTENANCE

1. REMOVE ALL DIRT, GRAVEL, RUBBISH, REFUSE, AND GREEN WASTE FROM STREET PAVEMENT AND STORM DRAINS ADJOINING THE SITE. LIMIT CONSTRUCTION ACCESS ROUTES ONTO THE SITE AND PLACE GRAVEL PADS AT THESE LOCATIONS. DO NOT DRIVE VEHICLES AND EQUIPMENT OFF THE PAVED OR GRAVELED AREAS DURING WET WEATHER.
2. SWEEP OR VACUUM THE STREET PAVEMENT AND SIDEWALKS ADJOINING THE PROJECT SITE AND THE ON-SITE PAVED AREAS ON A DAILY BASIS. SCRAPE CAKED-ON MUD AND DIRT FROM THESE AREAS BEFORE SWEEPING. CORNERS AND HARD TO REACH AREAS SHALL BE SWEPT MANUALLY.
3. CREATE A CONTAINED AND COVERED AREA ON THE SITE FOR THE STORAGE OF BAGS, CEMENT, PAINTS, OILS, FERTILIZERS, PESTICIDES, OR OTHER MATERIALS USED ON THE SITE THAT HAVE THE POTENTIAL OF BEING DISCHARGED INTO THE STORM DRAIN SYSTEM THROUGH EITHER BEING WIND-BLOWN OR IN THE EVENT OF A MATERIAL SPILL.
4. NEVER CLEAN MACHINERY, EQUIPMENT OR TOOLS INTO A STREET, GUTTER OR STORM DRAIN.
5. ENSURE THAT CEMENT TRUCKS, PAINTERS, OR STUCCO/PLASTER FINISHING CONTRACTORS DO NOT DISCHARGE WASH WATER FROM EQUIPMENT, TOOLS OR RINSE CONTAINERS INTO GUTTERS OR DRAINS.

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SILICON VALLEY TRI-VALLEY CENTRAL VALLEY SACRAMENTO EAST BAY/SF

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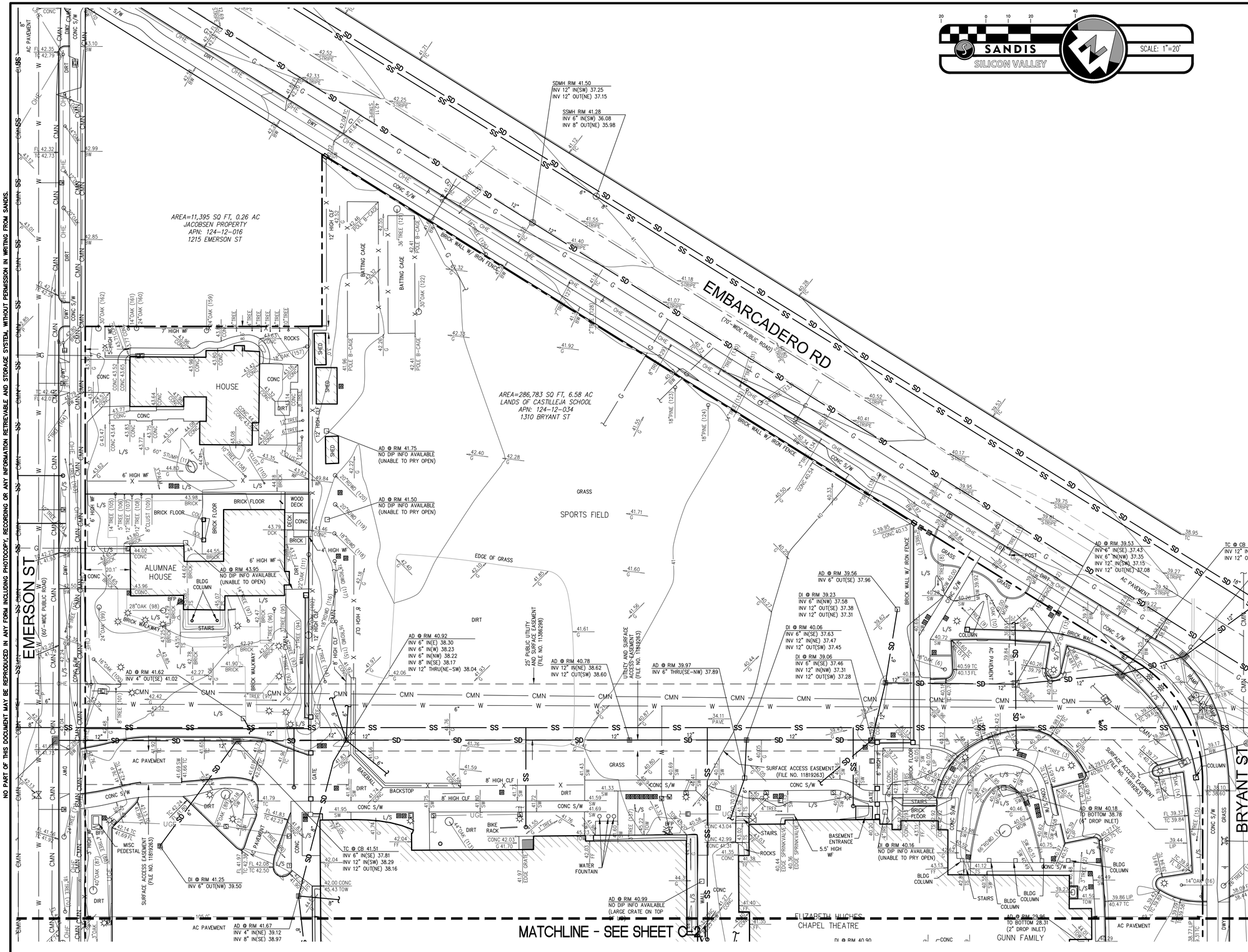
NOTES SHEET

1310 BRYANT STREET
CASTILLEJA SCHOOL
PALO ALTO CALIFORNIA

SHEET C-1.1 OF __ SHEETS



TOPOGRAPHIC SURVEY NOTES

1. ALL DISTANCES AND DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.
2. DATES OF FIELD SURVEY: 12/27/2016-01/24/17
3. LOT LINES & RIGHT-OF-WAY LINES WERE BASED ON RECORD INFORMATION ONLY. A FORMAL BOUNDARY SURVEY MAY REQUIRE THE BENEFIT OF A PRELIMINARY TITLE REPORT.

BENCHMARK CONTROL NOTE

THE ELEVATION REFERENCE FOR THIS SURVEY IS A CITY OF PALO ALTO BENCHMARK, BM ID 2103, AT THE INTERSECTION OF EMERSON AND KELLOG, DESCRIBED AS CHISELED SQUARE LOCATED IN THE NORTHWEST CORNER OF KELLOG AND THE NORTHEAST PART OF THE RETENTION. (ORIGINALLY NGVD 29, ADJUSTED TO NAVD 88)

ELEV=41.010 FEET (NAVD 88 DATUM)

UNDERGROUND UTILITY NOTE

THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THIS SURVEY.

BOUNDARY NOTE

THE PARCEL LINES SHOWN HEREON ARE BASED UPON RECORD INFORMATION AND ARE NOT THE RESULT OF A BOUNDARY SURVEY. THEY ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND DO NOT REPRESENT THE TRUE LOCATION OF ACTUAL PROPERTY BOUNDARIES.

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TOPOGRAPHIC SURVEY

1310 BRYANT STREET
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SHEET C-2.0 OF __ SHEETS

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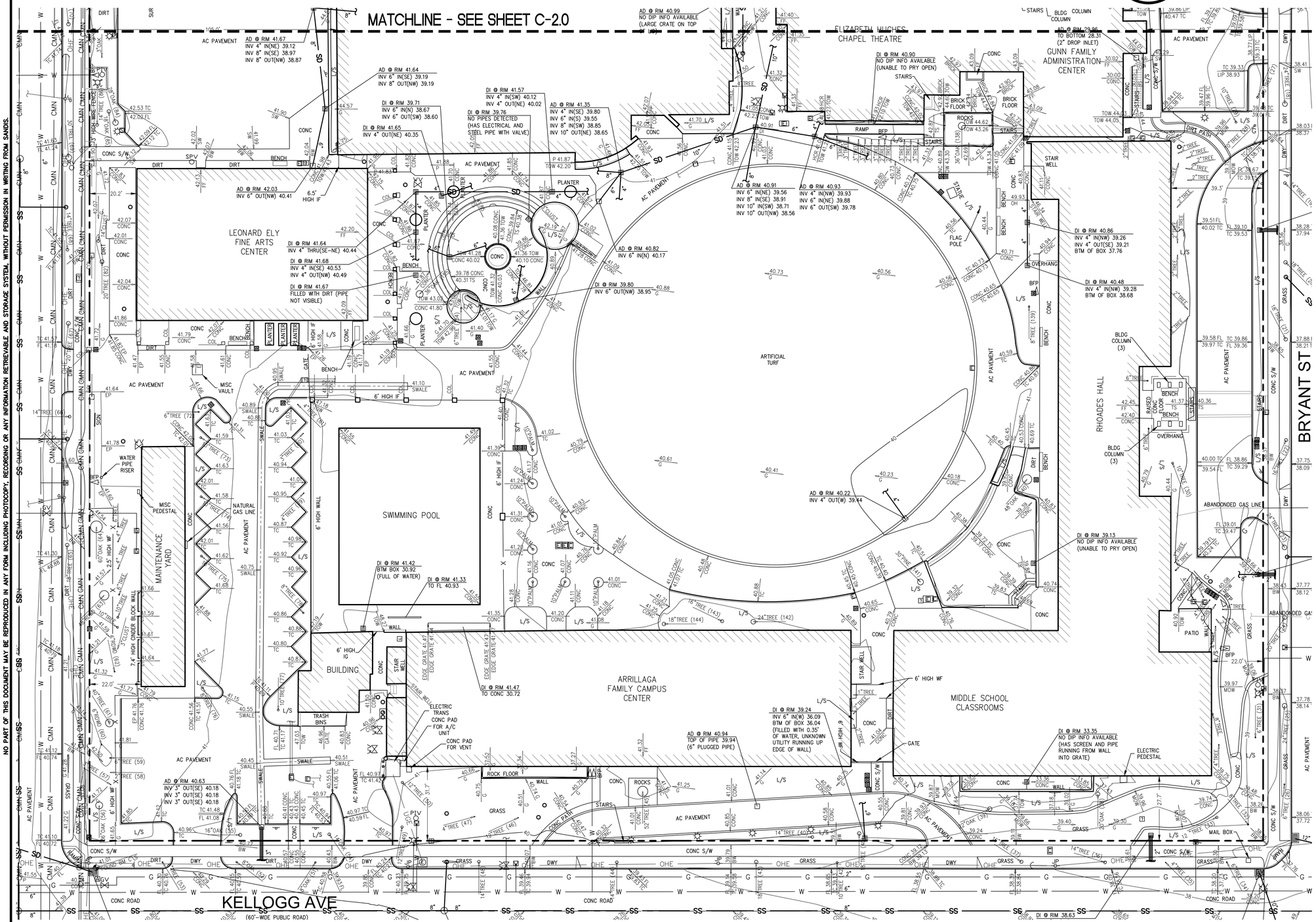

TOPOGRAPHIC SURVEY NOTES

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TOPOGRAPHIC SURVEY

1310 BRYANT STREET
CASTILLEJA SCHOOL
PALO ALTO CALIFORNIA

SHEET C-2.1 OF __ SHEETS

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SANDIS SILICON VALLEY — SCALE: 1"=20'

AREA=11,395 SQ FT, 0.26 AC
JACOBSEN PROPERTY
APN: 124-12-016
1215 EMERSON ST

AREA=286,783 SQ FT, 6.58 AC
LANDS OF CASTILLEJA SCHOOL
APN: 124-12-034
1310 BRYANT ST

EMBARCADERO ROAD

EMERSON STREET

BRYANT STREET

- EX. FENCE TO BE REMOVED
- EX. GAS METERS TO BE REMOVED AND RETURNED TO CPAU
- EX. GAS LATERAL TO BE CAPPED AT PROPERTY LINE
- EX. IRR. CONTROLLERS TO BE REMOVED AND RETURNED TO OWNER
- EX. IRR. CONTROLLER TO BE REMOVED AND RETURNED TO OWNER
- EX. GAS METER TO BE REMOVED AND RETURNED TO CPAU
- EX. WALL TO BE DEMOLISHED
- EX. LAMPS TO BE RELOCATED
- EX. LAMP TO BE RELOCATED
- EX. FENCE TO BE RELOCATED
- EX. INLET TO BE RELOCATED
- EX. BACKSTOP TO BE RELOCATED
- EX. IRR. CONTROLLER TO REMAIN. PROTECT IN PLACE.
- EX. LIGHT POLE TO REMAIN. PROTECT IN PLACE.
- EX. BFP TO REMAIN. PROTECT IN PLACE.
- EX. IRR. CONTROLLERS TO BE REMOVED AND RETURNED TO OWNER
- EX. UGE LINE TO REMAIN. PROTECT IN PLACE.
- EX. SD LINE TO REMAIN. PROTECT IN PLACE.
- EX. SS LINE TO REMAIN. PROTECT IN PLACE.
- EX. IRR. CONTROLLER TO BE REMOVED AND RETURNED TO OWNER
- EX. WATER LINE TO BE DEMOLISHED
- EX. COMM. LINE TO BE DEMOLISHED
- EX. DW LATERAL TO BE DEMOLISHED. NEW CONNECTION MUST BE MADE TO SERVICE EXISTING BUILDING BEFORE DEMOLITION.
- EX. SD LINE TO BE DEMOLISHED
- EX. IRR. CONTROLLERS TO REMAIN. PROTECT IN PLACE.
- EX. WALL AND FENCE TO BE DEMOLISHED
- EX. IRR. CONTROLLERS TO BE REMOVED AND RETURNED TO OWNER
- EX. BRICK WALL TO BE DEMOLISHED
- EX. 12" SD LINE TO BE PLUGGED AT PROPERTY LINE
- EX. INLET TO REMAIN. PROTECT IN PLACE.
- EX. INLETS TO REMAIN. PROTECT IN PLACE.
- EX. IRR. CONTROLLER TO BE REMOVED AND RETURNED TO OWNER
- EX. PULLBOX TO BE REMOVED
- EX. IRR. CONTROLLER TO BE REMOVED AND RETURNED TO OWNER
- EX. LAMP TO REMAIN. PROTECT IN PLACE.
- EX. LAMP TO BE RELOCATED
- EX. IRR. CONTROLLER TO BE REMOVED AND RETURNED TO OWNER
- EX. LAMP TO REMAIN. PROTECT IN PLACE.
- DEMOLISH (3) EX. CONCRETE RISERS

MATCHLINE - SEE SHEET C-3.1

DEMOLITION LEGEND

- DEMOLISH AND REMOVE AC PAVING AND ANY ASSOCIATED BASEROCK. STABILIZE THE EXISTING SUBGRADE. DEMOLISHED MATERIAL MAY BE USED AS BASEROCK IF APPROVED BY GEOTECHNICAL ENGINEER.
- DEMOLISH AND REMOVE CONCRETE INCLUDING ANY ASSOCIATED BASEROCK AND REBAR. STABILIZE THE EXISTING SUBGRADE, DEMOLISHED MATERIAL MAY BE USED AS BASEROCK IF APPROVED BY THE GEOTECHNICAL ENGINEER.
- DEMOLISH AND REMOVE PAVERS AND ANY ASSOCIATED HEADER BOARDS OR CURBS. STABILIZE THE EXISTING SUBGRADE.
- CLEAR AND GRUB EXISTING LANDSCAPE AREA SO NO ORGANICS ARE STILL PRESENT.
- DEMOLISH AND REMOVE EXISTING BUILDING, SEE ARCHITECTURAL PLANS FOR EXTENT OF BUILDING DEMOLITION. STABILIZE THE EXISTING SUBGRADE.
- COMPLETELY REMOVE EXISTING TURF SECTION DOWN TO THE SUBGRADE.
- LIMIT OF WORK LINE
- SAWCUT — SAWCUT LINE, CONTRACTOR SHALL SAWCUT WITH A NEAT, CLEAN EDGE. SAWCUT CONCRETE AT NEAREST JOINT TO SAWCUT LINE SHOWN ON PLAN.
- DEMOLISH AND REMOVE EXISTING CURB AND GUTTER, INCLUDING ANY ASSOCIATED REBAR OR BASEROCK. SAWCUT WITH NEAT CLEAN EDGE.
- REMOVE EXISTING FENCE INCLUDING ASSOCIATED FOOTINGS. RETURN FENCE TO OWNER.
- DEMOLISH AND REMOVE EXISTING WALL INCLUDING ASSOCIATED FOOTINGS.
- CAP EXISTING UTILITY WHERE SHOWN PER UTILITY OWNERS SPECIFICATIONS AND REQUIREMENTS. IF PRESSURIZED UTILITY CONTRACTOR SHALL HAVE COMPETENT PROFESSIONAL DESIGN PIPE RESTRAINTS.
- REMOVE EXISTING TREE AND ROOTBALL. COORDINATE WITH LANDSCAPE ARCHITECT AND PROJECT ARBORIST PRIOR TO REMOVING ANY TREES.
- EXISTING TREE TO REMAIN, PROTECT IN PLACE. SEE LANDSCAPE PLANS AND ARBORIST REPORT FOR TREE PROTECTION DETAILS.
- EXISTING TREE TO BE RELOCATED. SEE LANDSCAPE PLANS AND ARBORIST REPORT FOR TREE RELOCATION DETAILS.
- REMOVE EX. DRAINAGE INLET AND ALL ASSOCIATED STORM DRAIN LINES.

DEMOLITION NOTES

1. IF ANY UTILITY LINES OR STRUCTURES WITHIN THE LIMIT OF WORK ARE FOUND TO BE SERVICING THE TWO EXISTING BUILDINGS TO REMAIN, THEY ARE TO BE PROTECTED IN PLACE. IF PROTECTING SAID UTILITY LINES OR STRUCTURES IS NOT POSSIBLE DUE TO ANY PROPOSED IMPROVEMENTS, THE SERVICE SHALL BE RELOCATED IN A MAKE-READY FASHION PRIOR TO DEMOLITION. THE ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES IN THE TOPOGRAPHIC SURVEY IN ORDER TO CONFIRM THE APPROPRIATE STEPS FORWARD.

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DEMOLITION / TREE DISPOSITION PLAN

1310 BRYANT STREET
CASTILLEJA SCHOOL
PALO ALTO CALIFORNIA

SHEET C-3.0 OF __ SHEETS

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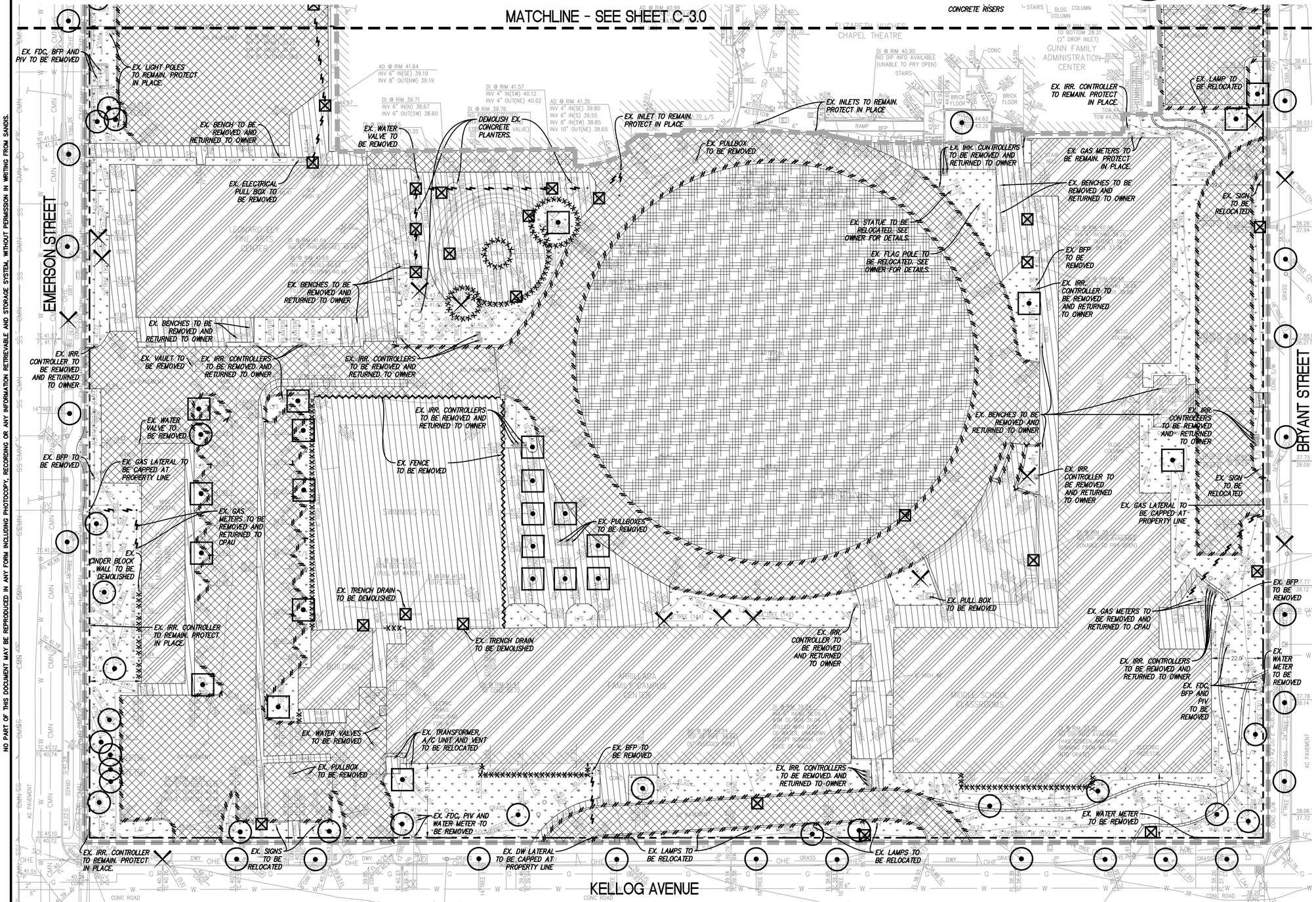

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- REMOVE EXISTING FENCE INCLUDING ASSOCIATED FOOTINGS. RETURN FENCE TO OWNER.
- DEMOLISH AND REMOVE EXISTING WALL INCLUDING ASSOCIATED FOOTINGS.
- CAP EXISTING UTILITY WHERE SHOWN PER UTILITY OWNERS SPECIFICATIONS AND REQUIREMENTS. IF PRESSURIZED UTILITY CONTRACTOR SHALL HAVE COMPETENT PROFESSIONAL DESIGN PIPE RESTRAINTS.
- REMOVE EXISTING TREE AND ROOTBALL. COORDINATE WITH LANDSCAPE ARCHITECT AND PROJECT ARBORIST PRIOR TO REMOVING ANY TREES.
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- EXISTING TREE TO BE RELOCATED. SEE LANDSCAPE PLANS AND ARBORIST REPORT FOR TREE RELOCATION DETAILS.
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DEMOLITION / TREE DISPOSITION PLAN

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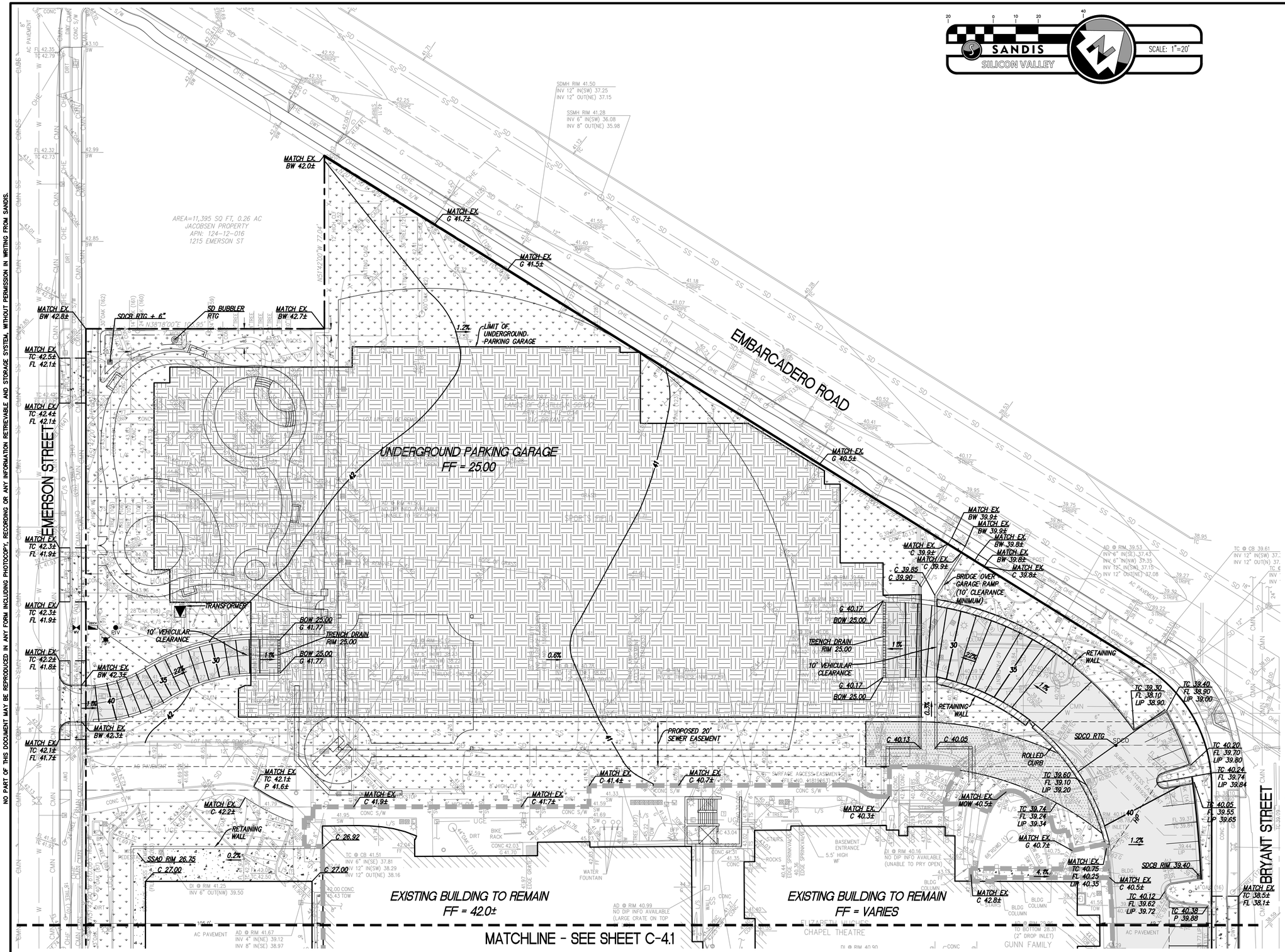

GRADING PLAN LEGEND

- ASPHALT CONCRETE PAVING (X C-XX)
- FIRE LANE ASPHALT CONCRETE PAVING (X C-XX)
- CONCRETE PAVING (X C-XX)
- LANDSCAPE AREA, SEE LANDSCAPE PLANS FOR DETAILS
- BIO-RETENTION AREA (X C-XX)
- GREEN ROOF
- RETAINING WALL, SEE LANDSCAPE PLANS FOR DETAILS
- LIMIT OF WORK LINE
- GRADE BREAK
- FLOWLINE
- CONCRETE VALLEY GUTTER (X C-XX)

GENERAL GRADING NOTES

1. 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.
2. STRUCTURE WALLS: PER CBC 2304.11.2.2 (WOOD SUPPORTED BY FOUNDATION) PROVIDE 8" MINIMUM CLEAR TO EXTERIOR GRADE.
3. ALL FILL, IMPORT SOILS AND GRADING SHALL BE IN CONFORMANCE WITH THE GEOTECHNICAL REPORT PERFORMED BY TBD, DATED TBD, PROJECT NUMBER TBD
4. COORDINATE THE PLACEMENT OF ALL SLEEVES FOR LANDSCAPE IRRIGATION (WATER AND CONTROL WIRING) AND SITE LIGHTING PRIOR TO THE PLACEMENT OF ANY ASPHALT, BASEROCK OR CONCRETE SURFACING. SEE LANDSCAPING AND SITE ELECTRICAL DRAWINGS.
5. 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.
6. 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.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO THE START OF CONSTRUCTION AS TO THE ACCURACY BETWEEN THE WORK SET FORTH ON THESE PLANS AND THE WORK IN THE FIELD. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND CIVIL ENGINEER IN WRITING PRIOR TO START OF CONSTRUCTION WHICH MAY REQUIRE CHANGES IN DESIGN AND/OR AFFECT THE EARTHWORK QUANTITIES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING IMPROVEMENTS OF UNDERGROUND FACILITIES DAMAGED DURING THE CONSTRUCTION PERIOD.
9. THE RISE/ RUN/ STEP COUNT IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND BUILDING CODE COMPLIANCE PRIOR TO ANY WORK.
10. 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.
11. ADJUST ANY MANHOLE OR UTILITY STRUCTURES TO PROPOSED GRADE PRIOR TO INSTALLING FINAL LIFT OF AC OR POURING CONCRETE.

ADA NOTES

1. SLOPED WALKS ALONG THE DESIGNATED ADA PATH OF TRAVEL SHALL NOT EXCEED A SLOPE OF 1:20 (5%) WITHOUT HANDRAILS. THE MAXIMUM SLOPE WITH HANDRAILS OR FOR CURB RAMPS IS 1:12 (8.33%). LEVEL LANDINGS ARE REQUIRED AT THE TOP AND BOTTOM OF ALL SLOPED WALKWAYS AND RAMPS.
2. WALKWAYS ON ANY PATH OF TRAVEL SHALL HAVE A MINIMUM WIDTH OF 48". WALKWAYS AND ADA PARKING STALLS OR LOADING ZONES SHALL HAVE A 2% MAXIMUM CROSS SLOPE.
3. A LEVEL LANDING (2% MAX SLOPE) SHALL BE PROVIDED AT ALL ACCESSIBLE ENTRANCES TO BUILDINGS, THE LANDINGS SHALL HAVE A MINIMUM WIDTH OF 60" AND A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPEN ONTO THE LANDING.
4. RAMPS GREATER THAN 1:20 SLOPE AND EXCEEDING 30" IN VERTICAL ELEVATION CHANGE SHALL HAVE INTERMEDIATE LEVEL LANDINGS.
5. THE NOTES ABOVE ARE A PARTIAL LIST OF CBC REQUIREMENTS INTENDED FOR REFERENCE WHERE QUESTIONS IN GRADING OR SITE PLAN INTENT MAY ARISE, ALL WORK ALONG THE ADA PATH OF TRAVEL MUST CONFORM TO THE CURRENT CODE.

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GRADING AND DRAINAGE PLAN

1310 BRYANT STREET
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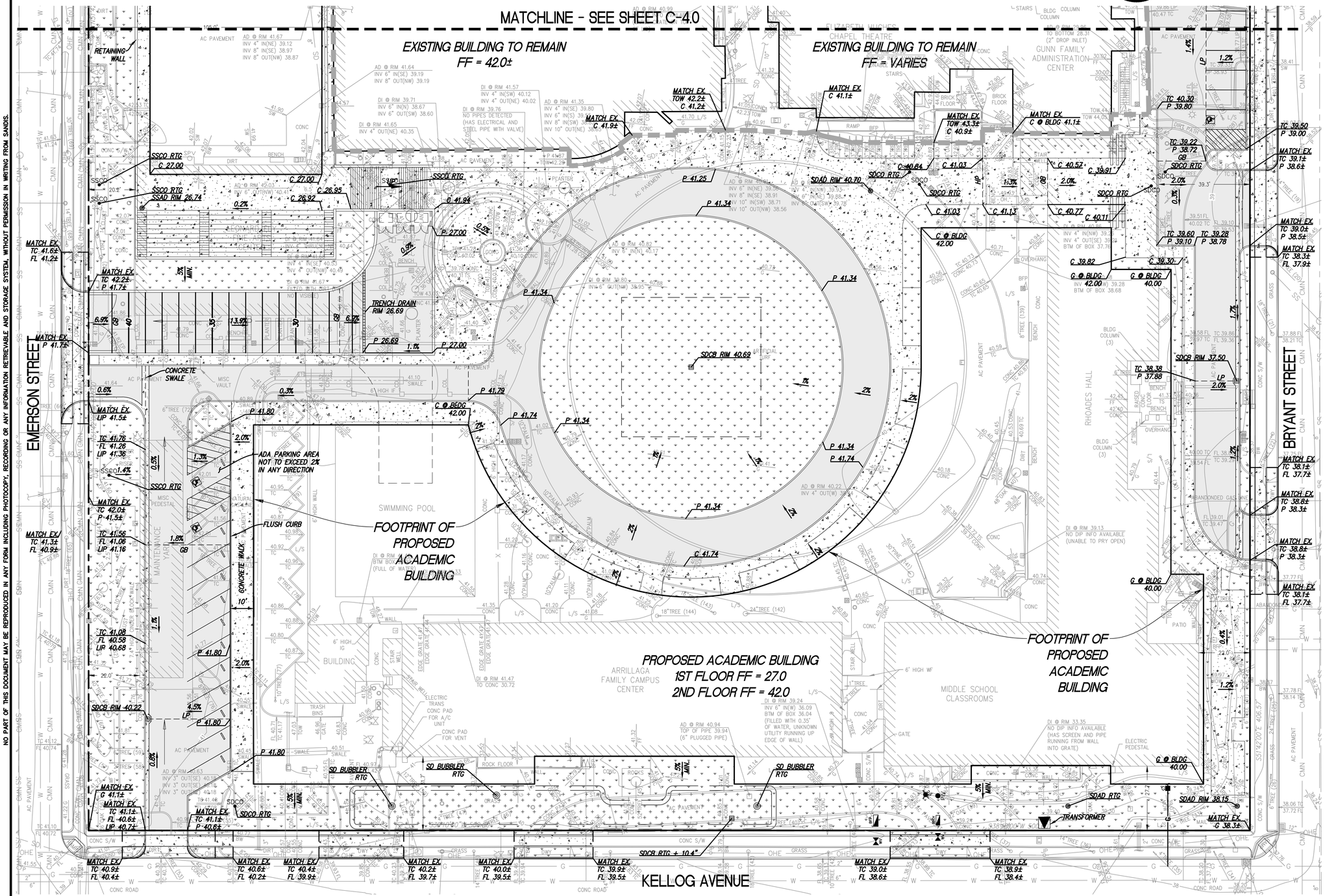
PALO ALTO CALIFORNIA

SHEET C-4.0 OF __ SHEETS



GRADING PLAN LEGEND

- ASPHALT CONCRETE PAVING (X / C-XX)
- FIRE LANE ASPHALT CONCRETE PAVING (X / C-XX)
- CONCRETE PAVING (X / C-XX)
- LANDSCAPE AREA, SEE LANDSCAPE PLANS FOR DETAILS
- BIO-RETENTION AREA (X / C-XX)
- GREEN ROOF
- RETAINING WALL, SEE LANDSCAPE PLANS FOR DETAILS
- LIMIT OF WORK LINE
- GRADE BREAK
- FLOWLINE
- CONCRETE VALLEY GUTTER (X / C-XX)

GENERAL GRADING NOTES

1. 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.
2. STRUCTURE WALLS: PER CBC 2304.11.2.2 (WOOD SUPPORTED BY FOUNDATION) PROVIDE 8" MINIMUM CLEAR TO EXTERIOR GRADE.
3. ALL FILL, IMPORT SOILS AND GRADING SHALL BE IN CONFORMANCE WITH THE GEOTECHNICAL REPORT PERFORMED BY TBD, DATED TBD, PROJECT NUMBER TBD
4. COORDINATE THE PLACEMENT OF ALL SLEEVES FOR LANDSCAPE IRRIGATION (WATER AND CONTROL WIRING) AND SITE LIGHTING PRIOR TO THE PLACEMENT OF ANY ASPHALT, BASEROCK OR CONCRETE SURFACING. SEE LANDSCAPING AND SITE ELECTRICAL DRAWINGS.
5. 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.
6. 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.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO THE START OF CONSTRUCTION AS TO THE ACCURACY BETWEEN THE WORK SET FORTH ON THESE PLANS AND THE WORK IN THE FIELD. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND CIVIL ENGINEER IN WRITING PRIOR TO START OF CONSTRUCTION WHICH MAY REQUIRE CHANGES IN DESIGN AND/OR AFFECT THE EARTHWORK QUANTITIES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING IMPROVEMENTS OF UNDERGROUND FACILITIES DAMAGED DURING THE CONSTRUCTION PERIOD.
9. THE RISE/ RUN/ STEP COUNT IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND BUILDING CODE COMPLIANCE PRIOR TO ANY WORK.
10. 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.
11. ADJUST ANY MANHOLE OR UTILITY STRUCTURES TO PROPOSED GRADE PRIOR TO INSTALLING FINAL LIFT OF AC OR POURING CONCRETE.

ADA NOTES

1. SLOPED WALKS ALONG THE DESIGNATED ADA PATH OF TRAVEL SHALL NOT EXCEED A SLOPE OF 1:20 (5%) WITHOUT HANDRAILS. THE MAXIMUM SLOPE WITH HANDRAILS OR FOR CURB RAMPS IS 1:12 (8.33%). LEVEL LANDINGS ARE REQUIRED AT THE TOP AND BOTTOM OF ALL SLOPED WALKWAYS AND RAMPS.
2. WALKWAYS ON ANY PATH OF TRAVEL SHALL HAVE A MINIMUM WIDTH OF 48". WALKWAYS AND ADA PARKING STALLS OR LOADING ZONES SHALL HAVE A 2% MAXIMUM CROSS SLOPE.
3. A LEVEL LANDING (2% MAX SLOPE) SHALL BE PROVIDED AT ALL ACCESSIBLE ENTRANCES TO BUILDINGS, THE LANDINGS SHALL HAVE A MINIMUM WIDTH OF 60" AND A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPEN ONTO THE LANDING.
4. RAMPS GREATER THAN 1:20 SLOPE AND EXCEEDING 30" IN VERTICAL ELEVATION CHANGE SHALL HAVE INTERMEDIATE LEVEL LANDINGS.
5. THE NOTES ABOVE ARE A PARTIAL LIST OF CBC REQUIREMENTS INTENDED FOR REFERENCE WHERE QUESTIONS IN GRADING OR SITE PLAN INTENT MAY ARISE, ALL WORK ALONG THE ADA PATH OF TRAVEL MUST CONFORM TO THE CURRENT CODE.

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SILICON VALLEY TRI-VALLEY CENTRAL VALLEY SACRAMENTO EAST BAY/SF

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GRADING AND DRAINAGE PLAN

1310 BRYANT STREET
CASTILLEJA SCHOOL
PALO ALTO CALIFORNIA

SHEET C-4.1 OF __ SHEETS

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SANDIS SILICON VALLEY

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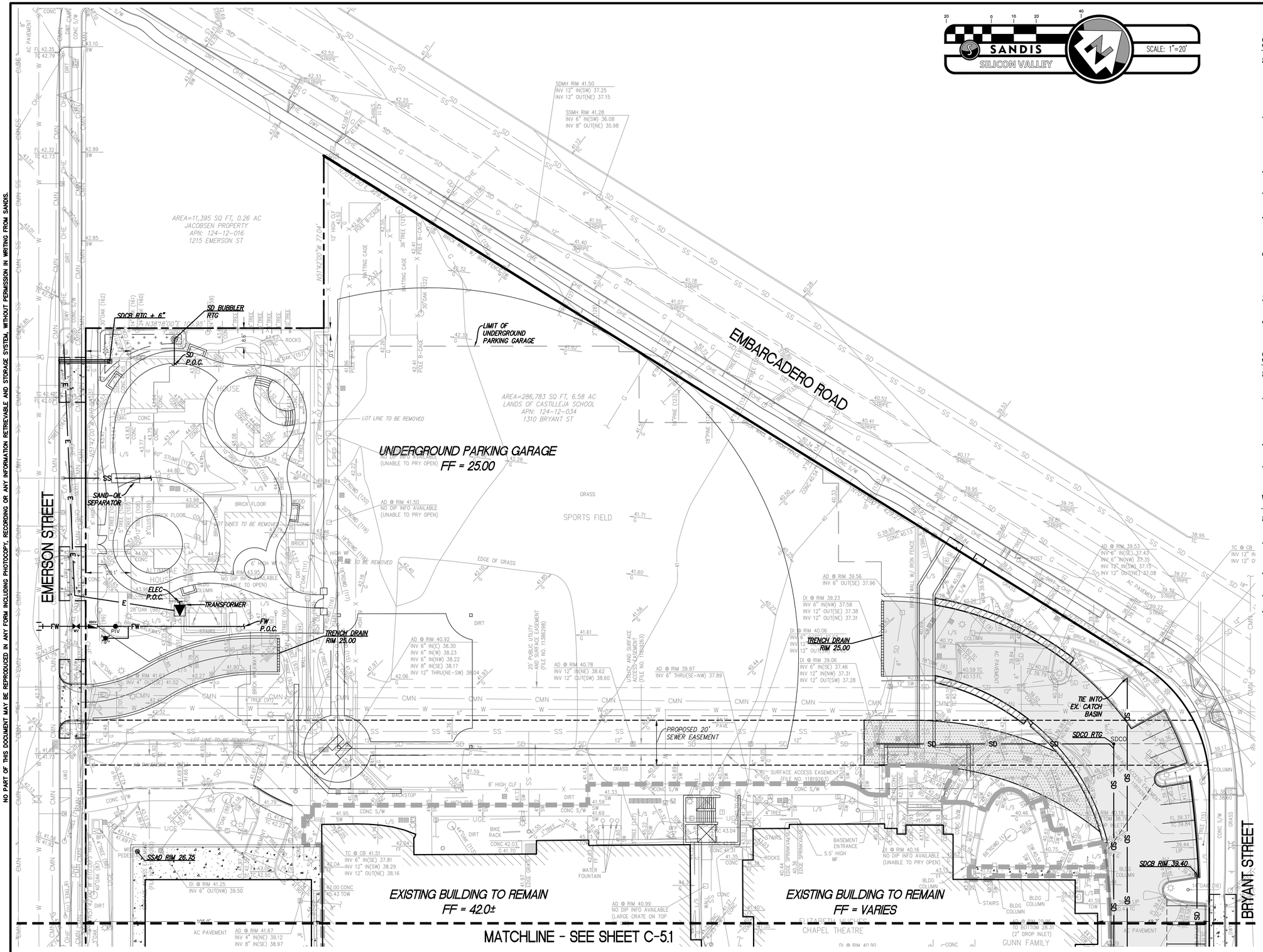

STORM DRAIN NOTES

1. PRIVATE STORM DRAIN LINE 4-INCH THROUGH 12-INCH WITH A MINIMUM OF TWO (2) FEET OF COVER IN NON-TRAFFIC AREAS SHALL BE POLYVINYL CHLORIDE (PVC) SDR 35 GREEN PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 3034-73 WITH BELLS AND SPIGOT CONNECTIONS. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS, 45° ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
2. PRIVATE STORM DRAIN LINE 6-INCH THROUGH 12-INCH WITH LESS THAN THREE (3) FEET OF COVER IN VEHICULAR TRAFFIC AREAS SHALL BE POLYVINYL CHLORIDE (PVC) C900, RATED FOR 150 PSI CLASS PIPE. PROVIDE AND INSTALL "STORM DRAIN" MARKER TAPE FOR THE ENTIRE LENGTH OF PIPE TRENCH. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, OBTUSE ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
3. ALL AREA DRAINS AND CATCH BASINS GRATES WITHIN PEDESTRIAN ACCESSIBLE AREAS SHALL MEET ADA REQUIREMENTS.
4. ALL TRENCHES SHALL BE BACK FILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES.
5. FOR GRAVITY FLOW SYSTEMS CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO THE TRENCHING OR INSTALLATION OF ANY GRAVITY FLOW SYSTEM.
6. DRAINS SHOWN ON CIVIL PLANS ARE NOT INTENDED TO BE THE FINAL NUMBER AND LOCATION OF ALL DRAINS. PLACEMENT AND NUMBER OF LANDSCAPING DRAINS ARE HIGHLY DEPENDENT ON GROUND COVER TYPE AND PLANT MATERIAL. CONTRACTOR SHALL ADD ADDITIONAL AREA DRAINS AS NEEDED AND AS DIRECTED BY THE LANDSCAPE ARCHITECT.
7. INSTALL SEPARATE SUB-DRAIN SYSTEM BEHIND RETAINING WALLS PER GEOTECHNICAL REPORT AND CONNECT TO STORM DRAIN SYSTEM AS SHOWN ON PLANS.
8. ALL DOWN SPOUTS SHALL DISCHARGE DIRECTLY ON TO ADJACENT PERVIOUS SURFACES OR SPLASH BLOCKS UNLESS OTHERWISE NOTED ON PLANS. SEE ARCHITECTURE PLANS FOR EXACT LOCATION OF THE DOWN SPOUTS.

SANITARY SEWER NOTES

1. ALL SEWER WORK SHALL BE IN CONFORMANCE WITH THE COUNTY ENVIRONMENTAL HEALTH DEPARTMENT STANDARDS.
2. PRIVATE SANITARY SEWER MAIN AND SERVICE LINE 4-INCH THROUGH 8-INCH SHALL BE POLYVINYL CHLORIDE (PVC) SDR 26 GREEN SEWER PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 3034-73 WITH BELL AND SPIGOT CONNECTIONS. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS OR 45° ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
3. ALL LATERALS SHALL HAVE A TWO WAY CLEANOUT AT FACE OF BUILDING AND AS SHOWN ON PLANS.
4. IF (E) SEWER LATERAL IS TO BE USED, CONTRACTOR SHALL VIDEO INSPECT, PERFORM PRESSURE TEST ON (E) SEWER LATERAL, AND SHALL PERFORM ANY NEEDED REPAIRS.

WATER SYSTEM NOTES

1. MAINTAIN WATER MAIN LINES 10' AWAY FROM SANITARY SEWER MAIN LINES. LATERALS SHALL BE SEPARATED PER PLAN DIMENSIONS.
2. WHERE WATER LINES HAVE TO CROSS SANITARY SEWER LINES, DO SO AT A 90 DEGREE ANGLE AND WATER LINES SHALL BE MINIMUM OF 12" ABOVE TOP OF SANITARY SEWER LINES.
3. ALL WATER SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE WATER DISTRICT STANDARDS.
4. ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER.
5. THRUST RESTRAINTS SHALL BE DESIGNED AND INSTALLED AT ALL TEES, CROSSES, BENDS (HORIZONTAL AND VERTICAL), AT SIZE CHANGES AND AT FIRE HYDRANTS.

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UTILITY PLAN

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CASTILLEJA SCHOOL
PALO ALTO CALIFORNIA

SHEET
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SANDIS SILICON VALLEY

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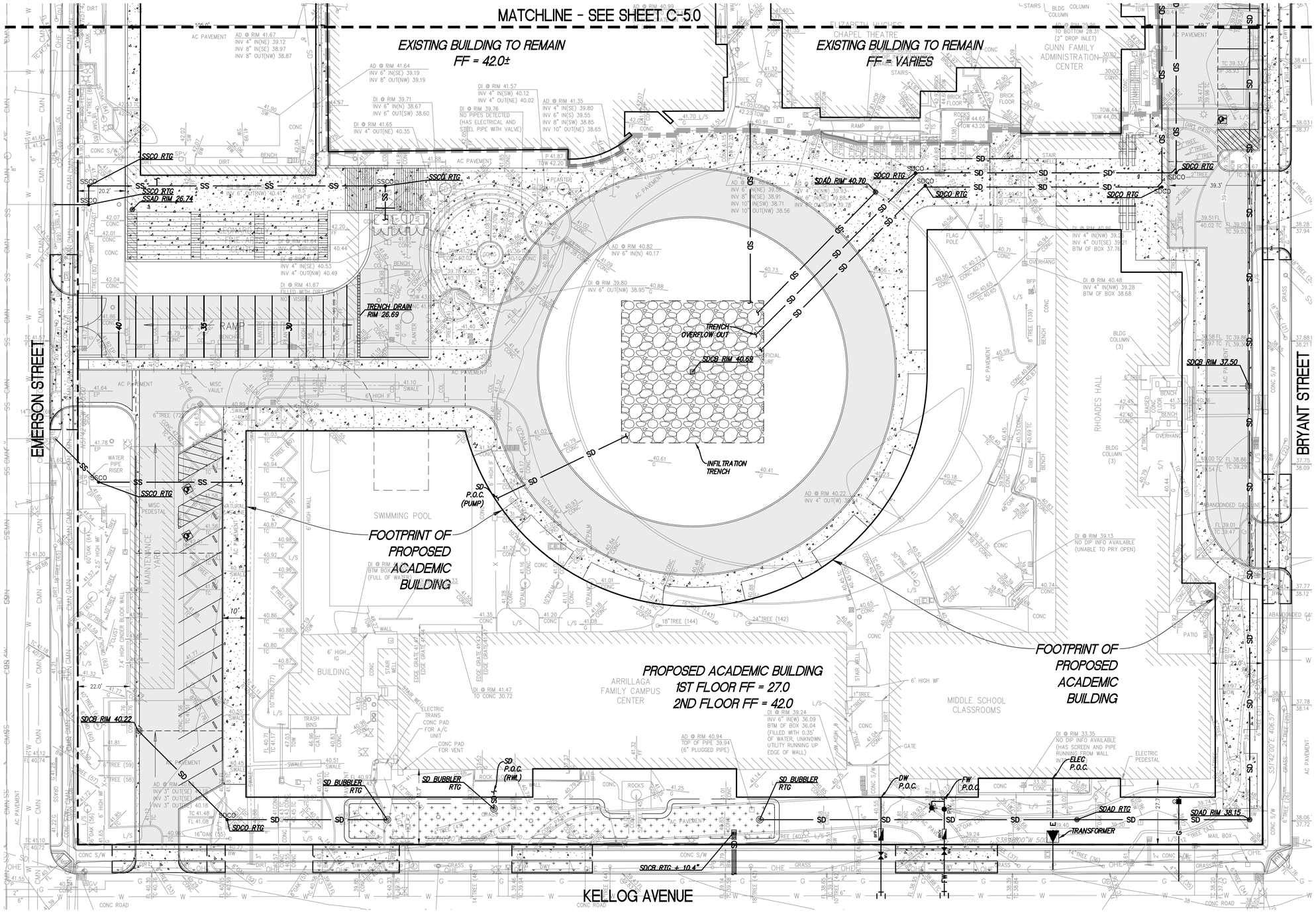

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UTILITY PLAN

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SHEET C-5.1 OF __ SHEETS

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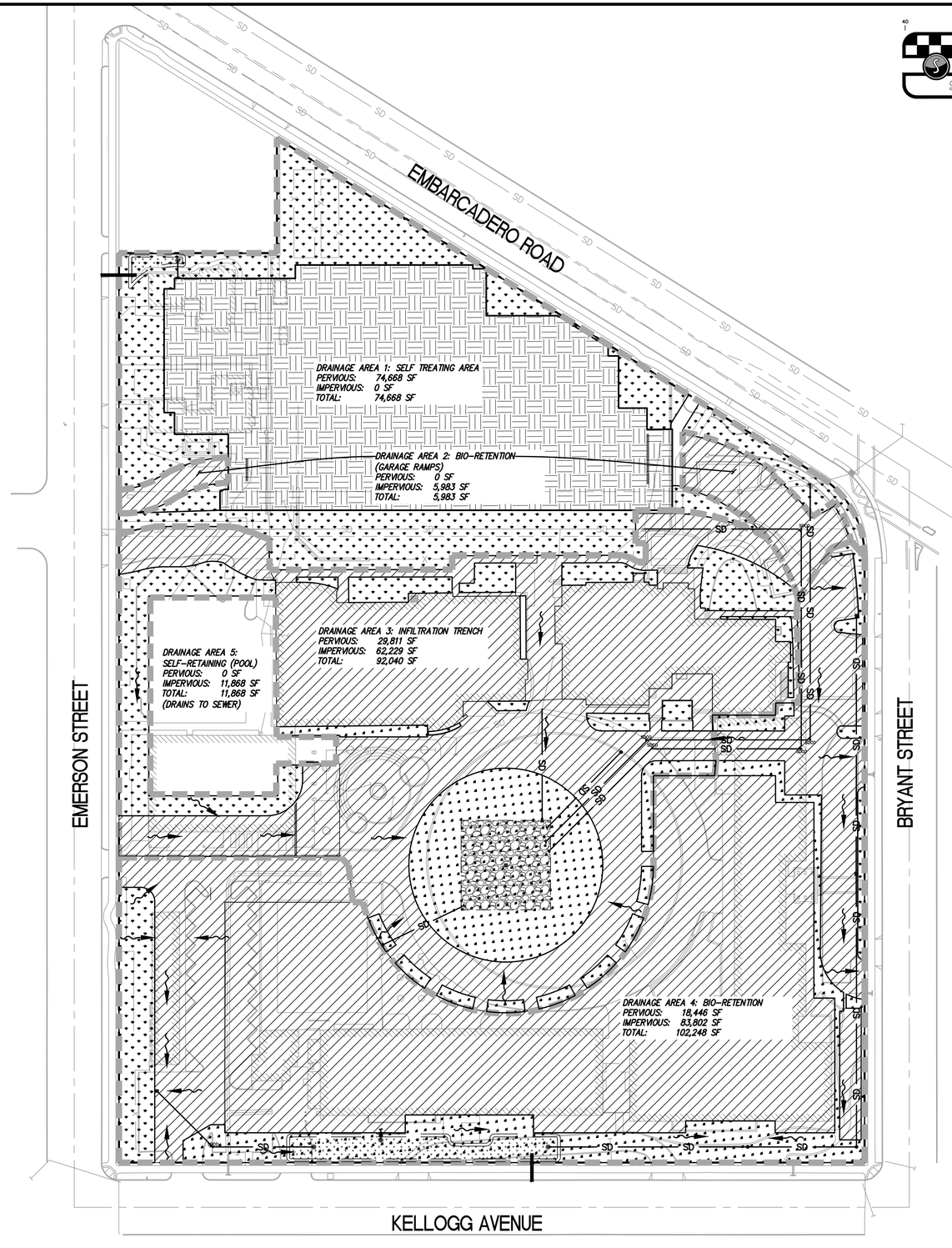

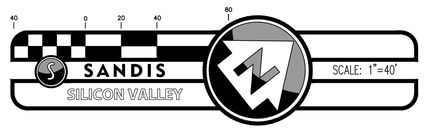

STORM WATER MANAGEMENT PLAN LEGEND

- PROPOSED PERVIOUS AREA
- PROPOSED IMPERVIOUS AREA
- BIO-RETENTION AREA
- INFILTRATION BASIN/VAULT
- GREEN ROOF (SELF-TREATING)
- DRAINAGE AREA BOUNDARY
- FLOWLINE
- FLOW DIRECTION

HYDROMODIFICATION NOTE:

THE PROJECT IS SUBJECT TO HYDROMODIFICATION REQUIREMENTS PER THE SANTA CLARA COUNTY C.3 TECHNICAL GUIDANCE DOCUMENT. THE PROJECT IS SUBJECT TO HYDROMODIFICATION DUE TO IMPERVIOUS AREA ADDED OR REPLACED BEING GREATER THAN 1 ACRE.

SITE TREATMENT AREA NOTE:

THIS PROJECT IS REPLACING MORE THAN 50% OF THE EXISTING IMPERVIOUS AREA AND THEREFORE MUST TREAT THE ENTIRE SITE.

STORMWATER MANAGEMENT NOTES:

1. THIS PLAN PRESENTS METHODS AND CALCULATIONS FOR COMPLYING WITH THE REQUIREMENTS OF PROVISION C.3 OF THE MUNICIPAL REGIONAL STORMWATER PERMIT IN ACCORDANCE WITH THE SANTA CLARA COUNTY PROGRAM AND THE CITY OF PALO ALTO REQUIREMENTS.
2. THE FOLLOWING TREATMENT MEASURES ARE PROPOSED TO REGULATE THE QUALITY OF STORM WATER LEAVING THE SITE
   - 2.1. SELF-TREATING AREA – RUNOFF IN THIS AREA ORIGINATES IN AND FLOWS THROUGH PLANTING PRIOR TO EXITING THE PROJECT SITE, NO TREATMENT IS REQUIRED
   - 2.2. BIO-RETENTION AREA – RUNOFF IN THIS AREA IS DIRECTED TO A BIO-RETENTION PLANTER/AREA FOR FILTRATION, INFILTRATION AND EVAPOTRANSPIRATION PRIOR TO EXISTING THE SITE. PLANTING AND SOIL REQUIREMENTS APPLY, SEE DETAIL
   - 2.3. INFILTRATION TRENCH – RUNOFF IN THIS AREA IS DIRECTED TO AN INFILTRATION TRENCH BACKFILLED WITH STONE AGGREGATE. THE RUNOFF WILL THEN INFILTRATE INTO THE NATIVE SOIL AT A GIVEN RATE (SEE GEOTECH REPORT). OVERFLOW PIPING WILL CARRY RUNOFF TO AN OFFSITE LOCATION IF THE TRENCH REACHES CAPACITY TO AVOID FLOODING.
   - 2.4. SELF-RETAINING AREA – ALL STORM WATER THAT FALLS IN THE DEPRESSED POOL AREA IS REQUIRED TO DRAIN TO THE SANITARY SEWER AND IS CONSIDERED TO BE A SELF-RETAINING AREA.

STORMWATER TREATMENT SUMMARY TABLE

	TOTAL AREA		IMPERVIOUS AREA		PERVIOUS AREA	
TCM #	sq. ft.	Acre	sq. ft.	Acre	sq. ft.	Acre
Drainage Area 1 - Self Treating	74,668	1.714	0	0	74,668	1.714

Treatment Control Measure	TOTAL AREA		IMPERVIOUS AREA		PERVIOUS AREA		Percent	4% rule -	Treatment	Adequat
TCM #	sq. ft.	Ac.	sq. ft.	Ac.	sq. ft.	Ac.	Impervious	Treatment	Provided (sf)	e Sizing
Drainage Area 2- Bio-Retention	5,983.0	0.14	5,983.0	0.14	0.0	0.00	100.0%	239.3	272.0	OK

Treatment Control Measure	Drainage Area	Impervious Area	Percent Impervious	MAP_{site}	MAP_{gage}	Correction Factor	Soil Type	Average Slope	Unit Basin Storage	TCM Design Volume	Trench Volume Required	Trench Volume Provided	Adequate Sizing?
TCM #	sq ft	sq ft	%	inches	inches			%	inches	cu-ft	cu-ft	cu-ft	
Drainage Area 3 - Infiltration Trench	92,040	62,229	68%	17	13.7	1.24	D	1%	0.5	4,759	13,596	14,400	OK

1. Calculation is based on volume sizing from Appendix B of Santa Clara County C.3 Technical Guidance Manual using the CASQA method. Trench void space for water storage is 35%
2. Infiltration Trench dimensions are proposed as 60' x 60' with a 4' depth

Treatment Control Measure	Drainage Area	Impervious Area	Percent Impervious	MAP_{site}	MAP_{gage}	Correction Factor	Soil Type	Average Slope	Unit Basin Storage	TCM Design Volume
TCM #	sq ft	sq ft	%	inches	inches			%	inches	cu-ft
Drainage Area 4 - Bio-Retention	102,248.00	83,802.00	82%	17	13.7	1.24	D	1%	0.5	5,287

Treatment Control Measure	Corrected Unit Basin Storage	Intensity	Duration	Surface Area Provided	Infiltration Rate	Volume of Treated Runoff	Runoff Remaining for Ponding	Average Ponding Depth
TCM #	inches	in/hr	hr	sq ft	in/hr	cu-ft	cu-ft	in
Drainage Area 4 - Bio-Retention	0.62	0.2	3.10	2453	5	3171	2,115.85	**10.35**

	TOTAL AREA		IMPERVIOUS AREA		PERVIOUS AREA	
TCM #	sq. ft.	Acre	sq. ft.	Acre	sq. ft.	Acre
Drainage Area 5 - Self Retaining	11,868	0.272	11868	0	-	0.000

1. Drainage in pool area is picked up by Sanitary Sewer

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STORM WATER MANAGEMENT PLAN

1310 BRYANT STREET
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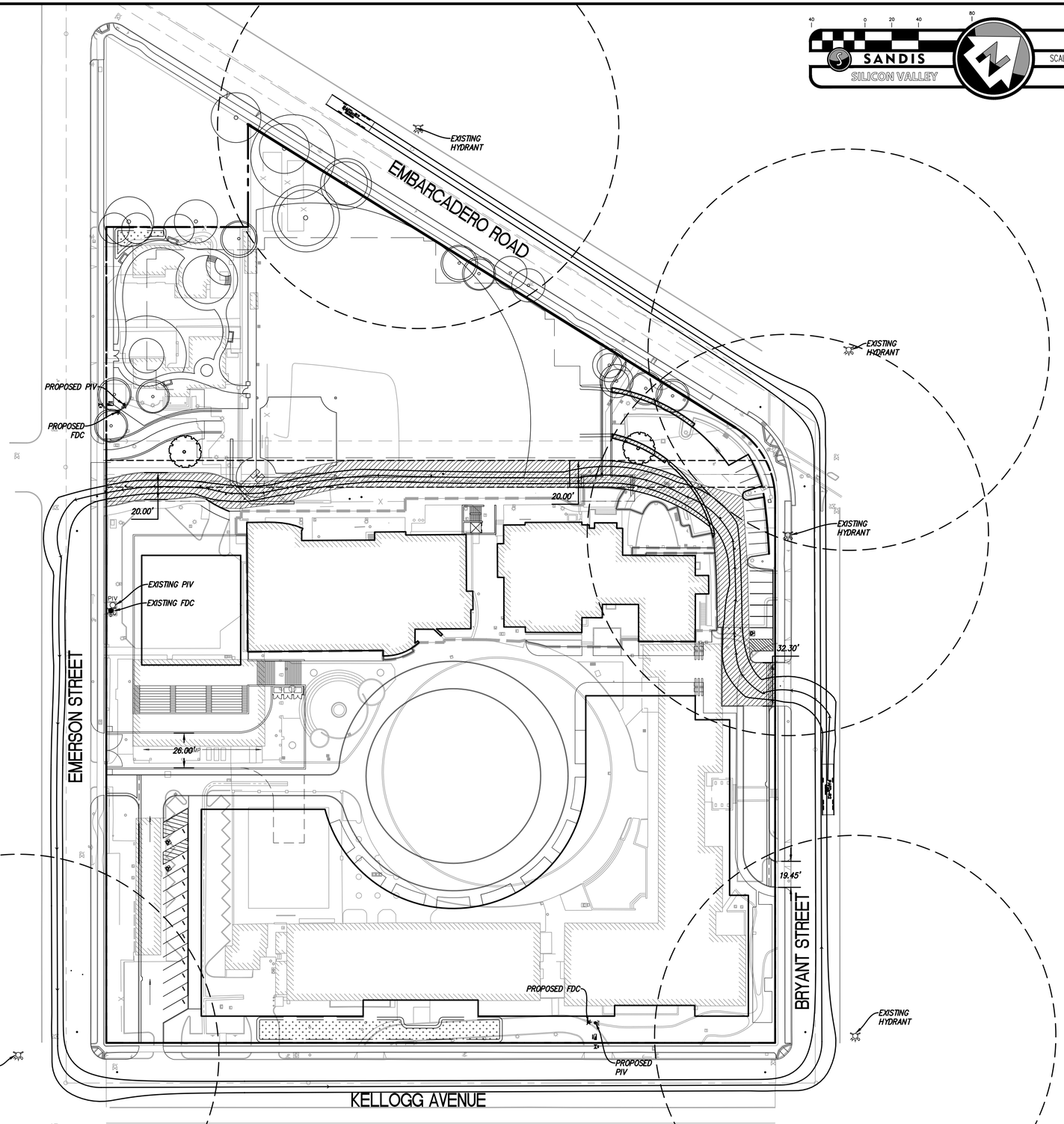


SANDIS SILICON VALLEY — SCALE: 1"=40'

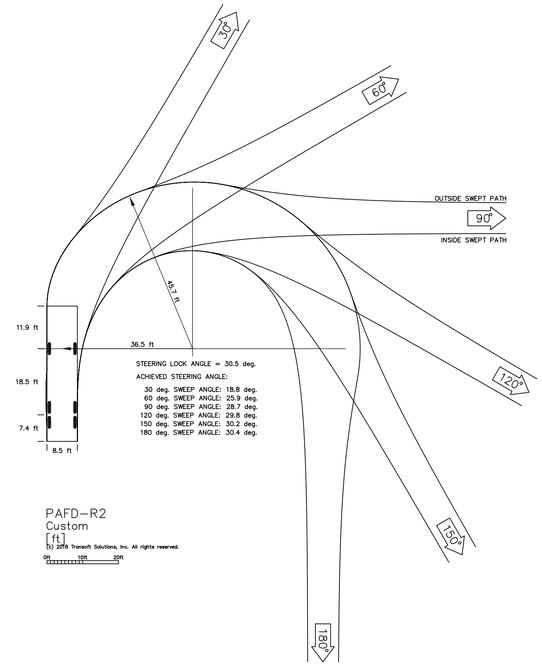
LEGEND

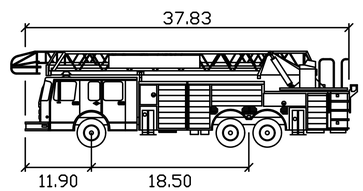
150' — FIRE HYDRANT COVERAGE

FIRE ACCESS LANE THROUGH SITE

FIRE ACCESS NOTES

1. FIRE ACCESS LANES TO BE PROVIDED ON EXISTING PUBLIC ROADS AROUND SITE. NO PARKING–FIRE LANE SIGNS TO BE PROVIDED WHERE APPROPRIATE.
2. UNDERGROUND GARAGE WILL HAVE SPRINKLERS INSTALLED.
3. FIRE TRUCKS SHALL NOT ENTER PARKING GARAGE OR ADJACENT RAMPS.





PAFD–R2

	feet
Width	: 8.50
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 30.5

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FIRE TRUCK ROUTE

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SHEET
C-7.0
OF __ SHEETS

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