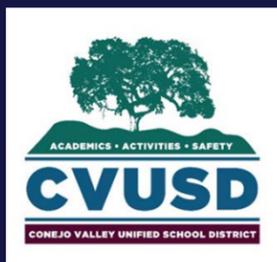




CVUSD | *Facilities Master Plan*



CVUSD - NEWBURY PARK CLUSTER



Banyan Elementary | *Survey*

1120 Knollwood Drive | Newbury Park, CA 91320

Conejo Valley Unified School District

April 5, 2017

NAC Architecture

837 North Spring Street, 3rd Floor

Los Angeles, CA 90012

Contact: 323.475.8075

E-mail: lochoa@nacarchitecture.com

Website: www.nacarchitecture.com

Existing Site Summary

Neighborhood:

Banyan Elementary is located in Newbury Park on a 9.5 acre site, bound by Knollwood Street on the west and Erinlea Avenue on the south. The school is bound on the east by Banyan Park. The closest major intersection is Lynn Road and S. Reino Road to the northwest of the campus.

Instruction:

This neighborhood school serves Kindergarten through 5th grades. Banyan provides technology education throughout its grades, and also participates in CVUSD's GATE (Gifted and Talented Education) program. The school provides art classes to all its students, using its 'Art of the Masters' program to support this effort. The 'Art of the Masters' program is implemented by parent volunteers who serve as 'Art Docents' to educate the students about artists and their work.

Summary of Facilities:

The primary buildings on the campus were built in 1966 and appear to be in good shape. The buildings are concrete masonry wall and wood framed roof construction in a square layout. The interior rooms formed a 'pinwheel' layout where classrooms along the exterior walls shared a common workspace in the center of the building. The original building layouts provided classrooms of adequate sizes; however subsequent renovations divided 2 of the 5 main classroom buildings into 5 or 6 classrooms each instead of the original 4 classrooms resulting in substantially smaller classrooms. The layout of the 5 primary classroom buildings creates green courtyards within the campuses for use by the classes inside each building. The campus includes 3 portable buildings which house computer classrooms and child care and show areas of weathering and minor deterioration.

Building Systems:

Forced air furnaces using natural gas fuel provide heating and split systems provide cooling. The recently completed Facility Condition Assessment (FCA) (3/17/2016 draft version) notes that the cooling system may be undersized. The condensers for the cooling system are stacked vertically at the exterior of the building and consequently shut down due to excessive heat build-up on high-temperature days. Numerous problems are created on site when these shut-down as the school staff must shuffle classes around to rooms where cooling can be provided. The plumbing systems reportedly function adequately with no problems beyond typical maintenance issues. Electrical service to the site is original but still appears adequate. Per the FCA the switchgear, panel boards and circuit breakers were replaced in 1999. The Assessment recommends lifecycle replacement again in the near future. While electrical service to the campus is adequate, the site staff noted there is room for improvement in distribution particularly given the increasing need for charging hand-held devices.

Technology:

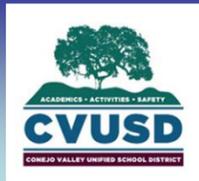
Banyan's principal noted that the school actively pursues progressive technology use in their education. SMART boards are utilized in every classroom. Numerous hand-held devices (charged via charging carts) permit students to complete individual or small group work. WiFi was recently installed campus-wide and performs well.

Energy:

There are currently no renewable energy systems installed on campus. Gas and electricity use across the past 3 years are relatively consistent with the sole exception of a significant spike in gas usage in January 2016 over previous usages during that month in 2014 and 2015. The otherwise relatively consistent use indicates similar demands and the unlikelihood of gas leaks and/or errant electricity use. Water use data for the past 3 years does not show such consistency. Due to the current state drought, water use would be expected to steadily decline from January 2014 until the present day however the data for Banyan does not show this. Recent water use at this site should be examined to determine if there is a means to return to previous lower usage levels given the ongoing drought conditions in the area.

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13.0	Campus Technology
13.1	Campus Technology Continued
PROJECT REQUESTS	
14.0	Observations Summary



Site Attributes:

Nestled in a residential neighborhood and bordering Banyan Park, Banyan Elementary School offers students a quiet peaceful campus with the ability to utilize the large park area and amenities when needed. The layout of the buildings create numerous courtyards to serve as small gathering spaces benefiting teachers and students alike with the opportunity to expand the education areas beyond the classrooms to the exterior. These courtyards offer quieter smaller-scale play areas as well. The play areas on the perimeter of the site provide plenty of larger-scale area to run and play in a 'louder' setting. The buildings themselves are solidly built and with sustained maintenance they will continue to serve the school well. The original interior layouts of the buildings that remain provide well-sized classrooms with shared support space at the center.

Site Opportunities:

Access to the school is largely limited to the west (from Knollwood Drive) and a small portion from the south (from Erinlea Avenue) since the school's north boundary abuts residential properties and the school's east boundary abuts Banyan Park. Student drop-off and pick-up times are congested and create traffic issues as a result of this limited access. Opportunities exist to investigate improving additional entry points to the campus to encourage use of those access points instead of the main one along Knollwood Drive. Existing points of entry that could be improved include the stair from Erinlea Avenue and the access through Banyan Park. Investigating changing traffic patterns and the number of drop-off/pick-up lanes could be undertaken to alleviate pressure on the Knollwood entrance. Parking is adequate for staff but not for visitors, therefore increasing the number of total parking stalls available should be explored concurrently.

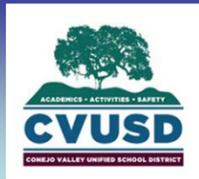
The portable classroom building used for Child Care blocks the view of the play areas from the primary courtyard on the site which causes supervision issues from both the courtyard and the play areas. Relocating this structure and providing shading mechanisms at the play area, either structures or trees, would create a more cohesive north end of this campus and improve supervision. Improving the security of the school should be explored via the addition of exterior lighting and rehabilitation of the perimeter fencing.

The 'pinwheel' layout of the original classroom buildings provides appropriately sized classrooms and valuable shared support spaces. Returning the Green and Orange classroom buildings to this configuration internally would eliminate the numerous issues associated with the small size of the current classrooms in those buildings.

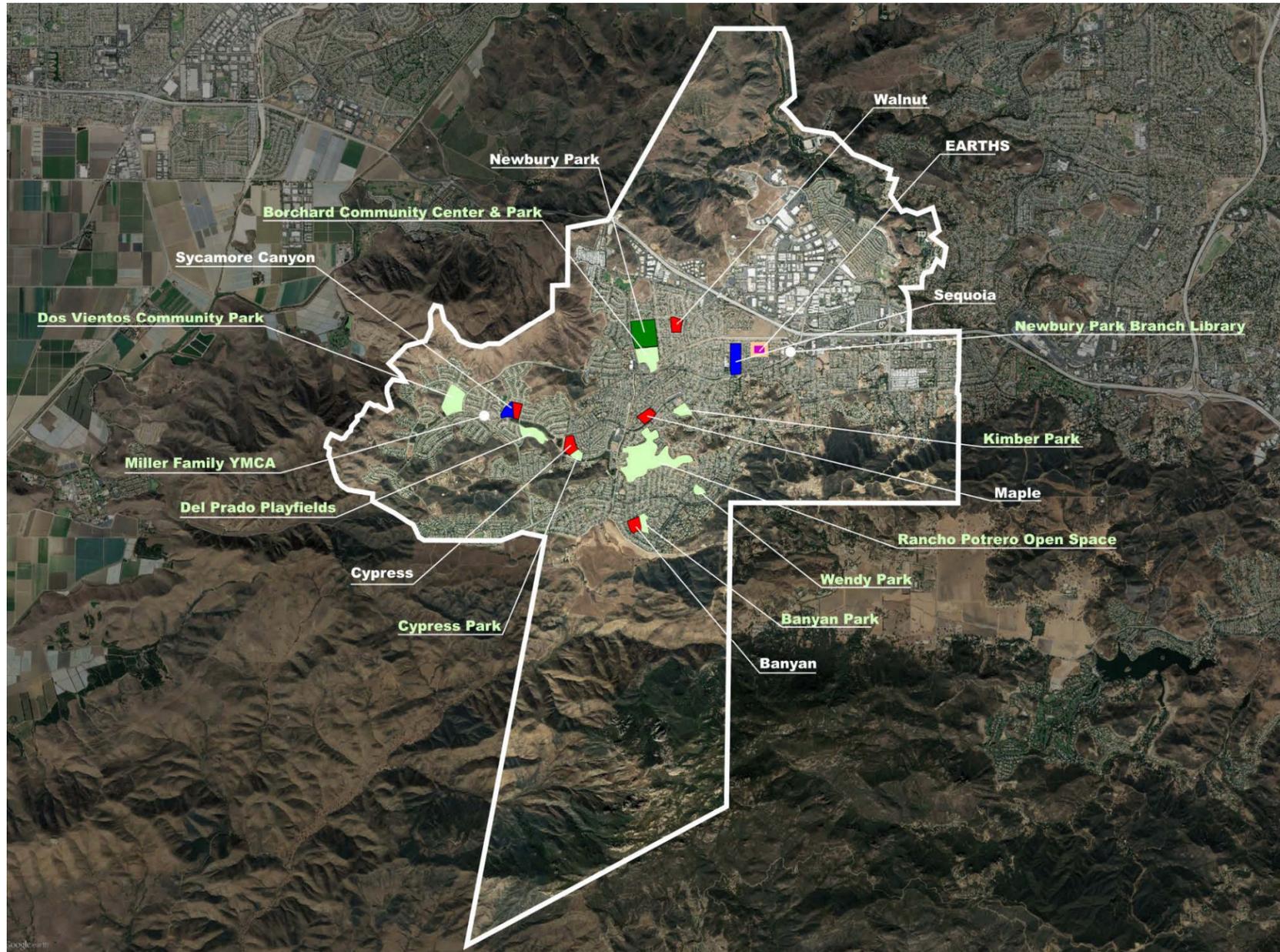
As noted previously the stacked condensers for the cooling systems shut down due to excessive heat build-up on high-temperature days. Alternate solutions to this layout should be explored that would permit these units to function correctly. Improvements in electrical power distribution should be explored to allow educators to make the best use of the increasing number of hand-held technology devices used in today's classrooms.

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CVUSD Newbury Park Cluster



Legend

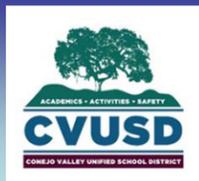
- Elementary School
- Middle School
- High School
- Special Education School
- Magnet School
- Parks
- Other Community Resources

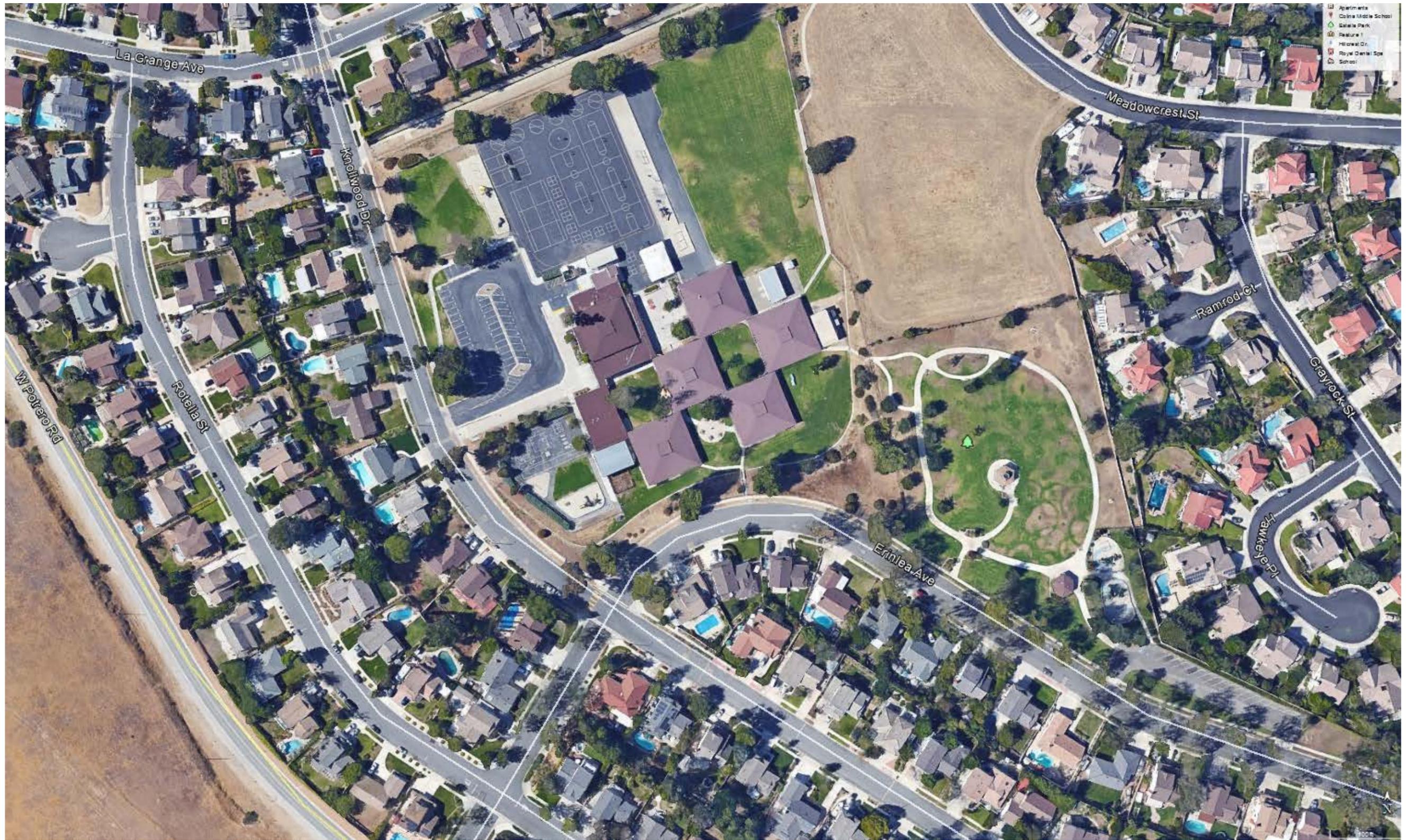
CVUSD Newbury Park Cluster Sites

LOCATION CODE	SITE NAME	SCHOOL MANAGEMENT SERVICES SITE TYPE	GRADE LEVEL CONFIG
41-135	EARTH'S MAGNET	Elem. School	K- 5
30-230	WALNUT ELEMENTARY	Elem. School	TK- 5
20-140	MAPLE ELEMENTARY	Elem. School	K- 5
4-030	BANYAN ELEMENTARY	Elem. School	K- 5
11-070	CYPRESS ELEMENTARY	Elem. School	TK- 5
25-190	SEQUOIA MIDDLE SCHOOL	Middle School	6- 8
26-195	SYCAMORE CANYON SCHOOL	Elem. School	K- 5
39-196	SYCAMORE CANYON SCHOOL	Middle School	6- 8
22-160	NEWBURY PARK HIGH SCHOOL	High School	9-12
9	Total Sites		

Community Resources

DESCRIPTION	LOCATION	CITY
Dos Vientos Community Park	4801 Borchard Rd	Newbury Park
Del Prado Playfields	402 Calle Del Prado	Newbury Park
Rancho Potrero Open Space	Lynn Rd./ Rancho Dos Vientos	Newbury Park
Kimber Park	3295 Bear Creek Dr.	Newbury Park
Borchard Community Center & Park	190 N. Reino Rd.	Newbury Park
Wendy Park	815 American Oaks Ave.	Newbury Park
Newbury Park Branch Library	2331 Borchard Rd	Newbury Park
Miller Family YMCA	320 Via Las Brisas	Newbury Park
Cypress Park	459 Havenside Ave.	Newbury Park
Banyan Park	3605 Erinlea Ave	Newbury Park





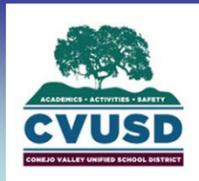
Banyan Elementary | Survey

1120 Knollwood Drive | Newbury Park, CA 91320

Conejo Valley Unified School District

April 5, 2017

Project Location Map



Banyan Elementary

FACILITIES - CLASSROOM INVENTORY										
K-12 School Facility	Grade/Type	Number of Teaching Stations					Projections			
		Total # of Teaching Stations	Permanent	Modulars			Teaching Stations			
				Quality Modulars	Owned Portables	Leased Portable	Capacity	Rms Utilized	Ratio	Capacity Needed
As used for the 15/16 School Year					Based on 16/17					
*K incls Art/Music	Jr K	0					80	0	20.00	0
	K	4	3	1			3	3	22.00	70
*1-3 incls Tit 1, Curr	1-3	14	13	1			280	11	22.00	239
*4-5 incls CC, Art	4-5	7	6		1		210	5	30.00	156
	SDC	0	0					0	0	
	LC	1	1					1	0	
	LAB	1			1	0		1	0	
Sub-Total K-5		27	23	2	2	0	670	21		465

ENROLLMENT HISTORY - 2nd Month Report																				
Grade	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998
Jr K																				
K		73	69	75	76	75	71	92	75	54	56	56	66	76	92	80	90	76	86	
1		67	75	80	71	72	90	76	74	58	59	71	74	90	82	95	90	95	91	
2		74	77	73	68	88	79	67	72	60	67	74	85	74	89	92	94	95	94	
3		74	79	73	89	78	65	70	77	70	70	89	69	88	88	98	94	99	87	
4		81	75	90	81	63	69	77	78	72	94	72	86	87	96	102	100	88	102	
5		70	81	79	65	66	75	75	89	94	72	87	88	97	96	99	91	110	90	
6										57	73	72	86	86	79	92	98	92	82	
Total Elem	0	439	456	470	450	442	449	457	465	465	491	521	554	598	622	658	657	655	632	0
Special Ed	0	0	0	0	1	1	1	2	0	2	3	5	2	1	2	1	2	1	2	
TOTAL	0	439	456	470	451	443	450	459	465	467	494	526	556	599	624	659	659	656	634	0

PRINCIPAL PROJECTIONS											
Grade	Forecast		4/23/2015	5/26/2015	8/18/2015	Primary & Upper Totals	Teacher Calculation			15-16 Budget Calc	14-15 Staffing
	Students	Teachers					21.50	Teacher by Ratio	Students per class		
Special Ed											
TK											
K	59	2.74	71	70	68	3.16		22			
1	75	3.49	72	74	74	3.44	14.05	22	14	14	
2	81	3.77	82	81	80	3.72		22			
3	76	3.53	77	77	80	3.72		22			
4	74	2.47	74	73	76	2.53	5.20	30	5	6	
5	89	2.97	88	85	80	2.67		30			
TK - 5	454	13.53	464	460	458	4.58					
		5.43									
TOTAL	454	18.97	464	460	458	4.58	19.25		19	20	

Enrollment Data:

•For Secondary Schools

Classrooms 800 Square Feet and greater will be considered an "Available Classroom". On the color coded survey plan they can occur as BASIC CLASSROOM (Orange); SPECIALITY CLASSROOM (Light Blue); SCIENCE (Yellow).

If the rooms are being used for instruction and they are 799 Square Feet and under, they will be considered a "Small Room", with a different Color Code. Provide a description in the keynote as to its current use.

•For Elementary Schools

Classrooms 720 Square Feet and greater will be considered an "Available Classroom". On the color coded survey plan they can occur as BASIC CLASSROOM (Orange); SPECIALITY CLASSROOM (Light Blue); SCIENCE (Yellow).

If the rooms are being used for instruction and they are 719 Square Feet and under, they will be considered a "Small Room", with a Different Color Code. Provide a description in the keynote as to its current use.

For Span and other types of Schools

Identify what age group the space is used for the majority of the day – use rules above for Secondary Schools and Elementary Schools. Provide a description in the keynote as to its current use.

CVUSD BANYAN ELEMENTARY												
Location Code: 4-030					Campus Summary							
Site Information		Totals			Total Planned Site Capacity:					Totals		
Current Useable Area:		9.03 Acres			Current Enrollment:					439		
Current Playground Area:		3.5 Acres			Planning 2-Semester Capacity:					570		
					Enrollment to use for Planning					465		
Playground Area Required:		9.0 Acres										
Classroom Status for School:				Current Classrooms			Potential Classrooms + Current Classrooms			Classrooms identified by the school.		
				Permanent	Portable	Total	Permanent	Portable	Total	Permanent	Portable	Total
Available Classrooms 720 Square Feet or greater:				13	3	16	13	3	16	13	3	16
Available Small Rooms 719 Square Feet or smaller:				6	0	6	10	0	10	6	0	6
Totals:				19	3	22	23	3	26	19	3	22

Analysis:

The majority of buildings at Banyan Elementary School are original to the campus. Portables have been added for technology labs and child care use. Interior renovations were completed in some buildings to convert the pinwheel layout of 4 classrooms surrounding a support space into 6 classrooms. While there is little deviation between the observed uses and the previously recorded uses of the spaces, some classrooms appear to function as classroom support rather than classrooms occupied full-time.

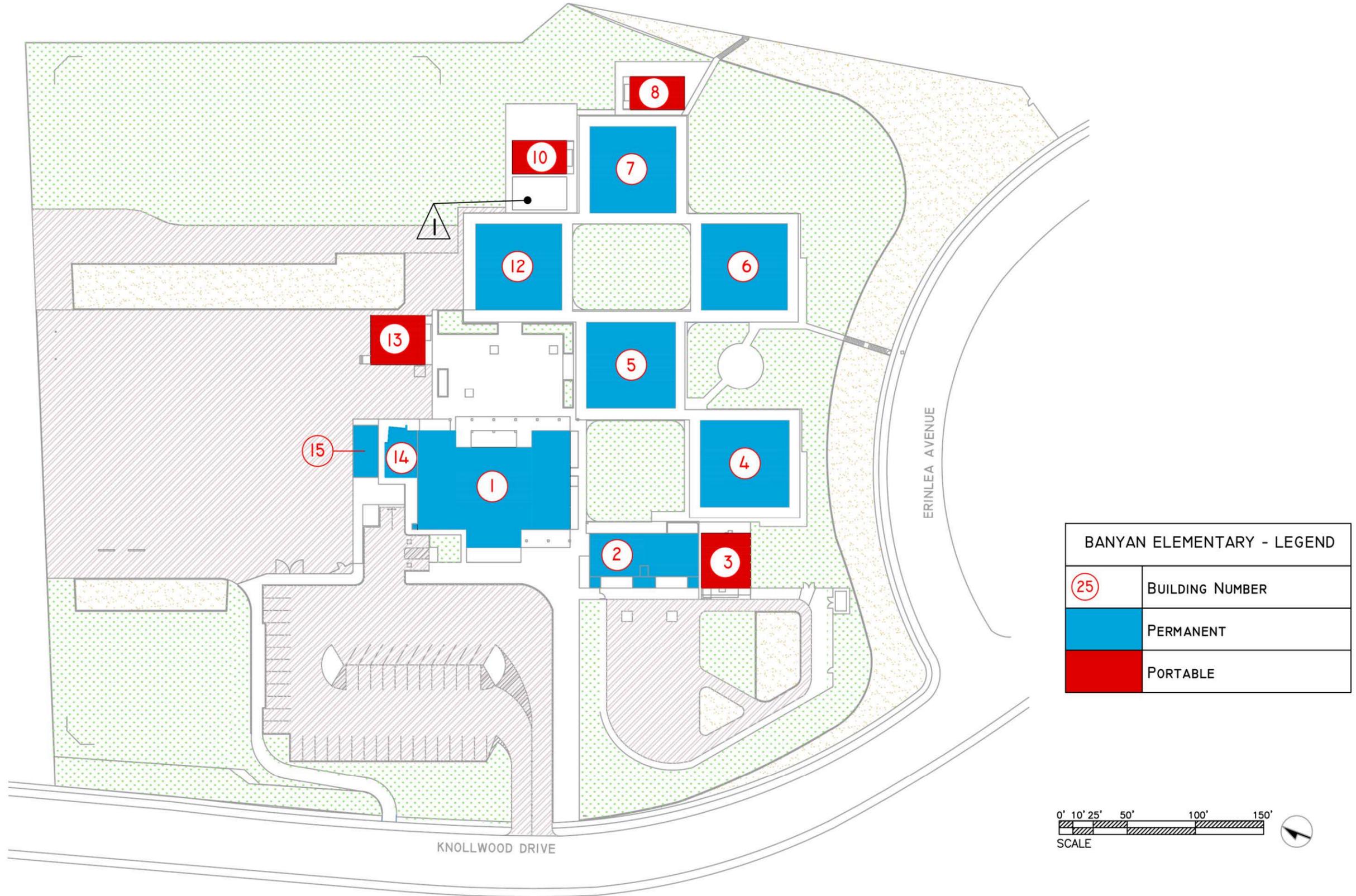


KEY NOTES

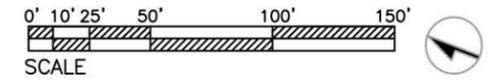


PORTABLE CLASSROOM BUILDING #11
NO LONGER ON SITE

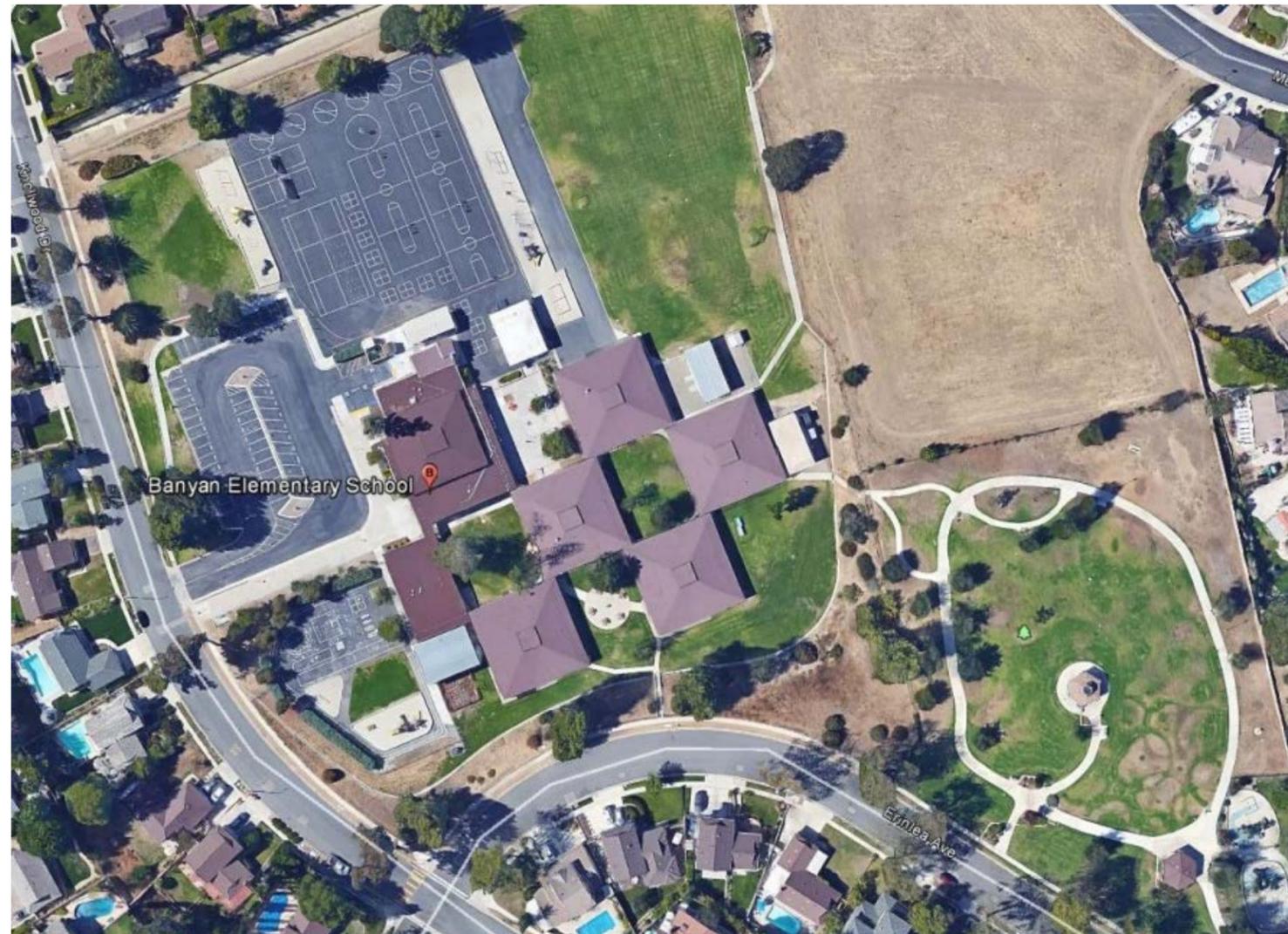
NOTE: BUILDING #9 DOES NOT EXIST



BANYAN ELEMENTARY - LEGEND	
(25)	BUILDING NUMBER
[Blue Box]	PERMANENT
[Red Box]	PORTABLE



School District	Street	City	St	Zip Code	School District	Building Rating	Square	Fire Const.	Fire	Roof	Year	Year Renovated				Status	Is Vacant Y/N
Site Name	Address	City	St	Plus Four	Building Name	Classification	Footage	Code	Const. Type	Type	Built	Roof	HVAC	Electric	Plumbing		
Banyan Elementary	1120 Knollwood	Newbury Park	CA	91320-5599	1-Adm. and Bldg. 1-4	Elementary	8,910	4	Masonry Non-Combustible	Composition	1966	2006	1999	1999	2004	Owned and occupied by the district	N
Banyan Elementary	1120 Knollwood	Newbury Park	CA	91320-5599	2 - Kindergarten	Elementary	2,828	4	Masonry Non-Combustible	Composition	1966	2007	1999	1999	2004	Owned and occupied by the district	N
Banyan Elementary	1120 Knollwood	Newbury Park	CA	91320-5599	3 - Kindergarten	Elementary	1,440	5	Modified Fire Resistive	Metal	1999	2007	1999	1999	1999	Owned and occupied by the district	N
Banyan Elementary	1120 Knollwood	Newbury Park	CA	91320-5599	4 - Classrooms 1-3	Elementary	4,096	4	Masonry Non-Combustible	Composition	1966	1998	1999	1999	2004	Owned and occupied by the district	N
Banyan Elementary	1120 Knollwood	Newbury Park	CA	91320-5599	5 - Classrooms 5-7	Elementary	4,096	4	Masonry Non-Combustible	Composition	1966	1997	1999	1999	2004	Owned and occupied by the district	N
Banyan Elementary	1120 Knollwood	Newbury Park	CA	91320-5599	6 - Classrooms 8-11	Elementary	4,096	4	Masonry Non-Combustible	Composition	1966	1997	1999	1999	2004	Owned and occupied by the district	N
Banyan Elementary	1120 Knollwood	Newbury Park	CA	91320-5599	7 - Classrooms 12-14	Elementary	4,096	4	Masonry Non-Combustible	Composition	1966	1996	1999	1999	2004	Owned and occupied by the district	N
Banyan Elementary	1120 Knollwood	Newbury Park	CA	91320-5599	8 - Classroom 12B	Elementary	960	5	Modified Fire Resistive	Metal	1996	1997	1997	1997	1997	Owned and occupied by the district	N
Banyan Elementary	1120 Knollwood	Newbury Park	CA	91320-5599	10 - Classroom 23	Elementary	960	5	Modified Fire Resistive	Metal	1999	1999	1999	1999	1999	Owned and occupied by the district	N
Banyan Elementary	1120 Knollwood	Newbury Park	CA	91320-5599	12 - Classrooms 15-18	Elementary	4,096	4	Masonry Non-Combustible	Composition	1966	1998	1999	1999	2004	Owned and occupied by the district	N
Banyan Elementary	1120 Knollwood	Newbury Park	CA	91320-5599	13 - Child Care	Elementary	1,440	5	Modified Fire Resistive	Metal	1989	1989	1989	1989	1989	Owned and occupied by the district	N
Banyan Elementary	1120 Knollwood	Newbury Park	CA	91320-5599	14- Lunch Shelter	Elementary	NA	NA	NA	Metal	NA	NA	NA	NA	NA	NA	NA



Existing Facilities:

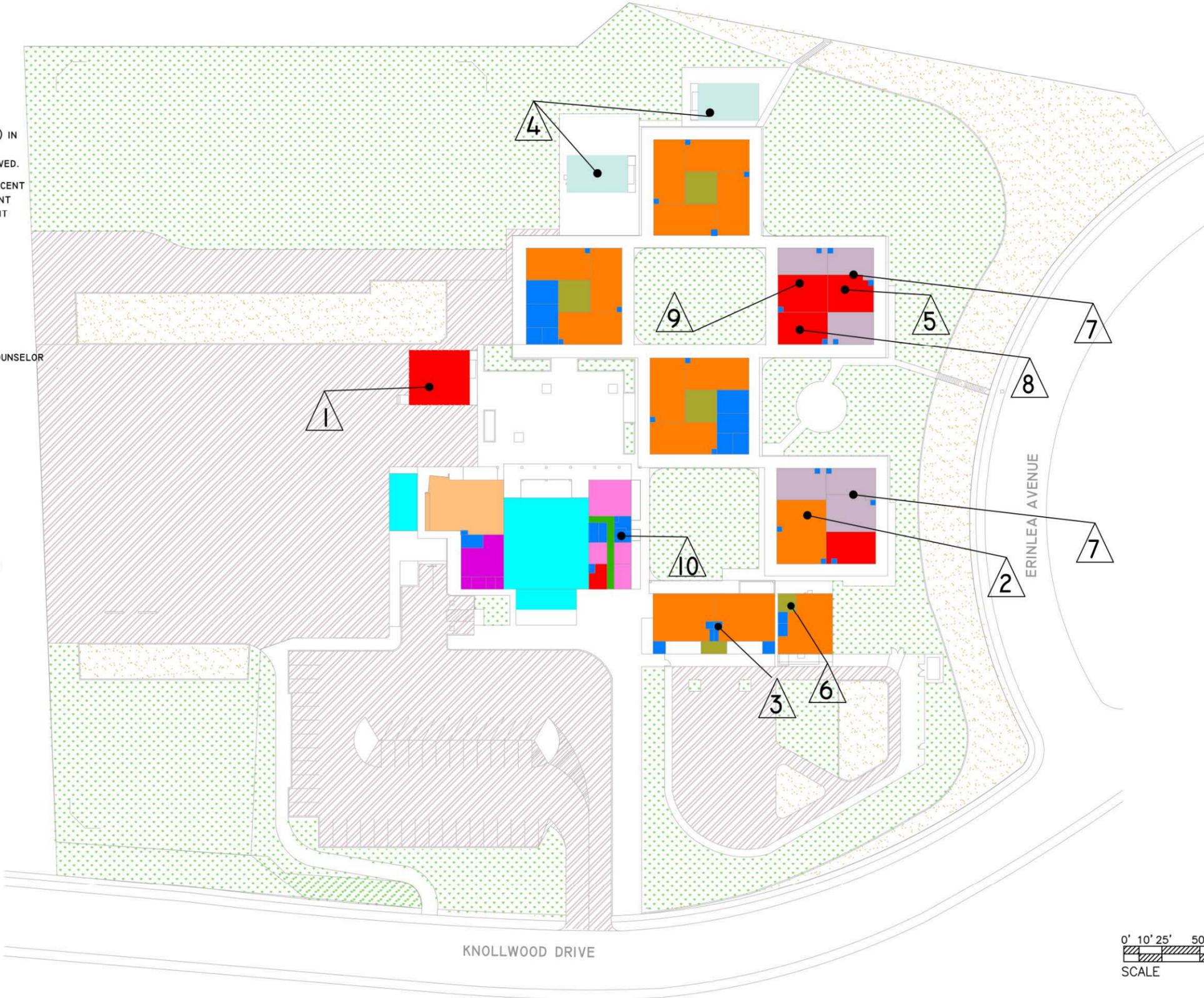
7 buildings over 40 years old
 0 buildings between 30 and 40 years old

Analysis:

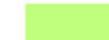
The oldest buildings at Banyan Elementary were 50 years old at the time of this survey. The durability of the original building materials have served the campus well and are still in good shape given their age. All portable building infrastructures are original.

KEY NOTES

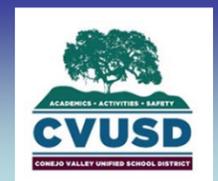
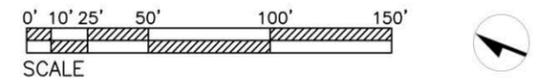
-  1 CHILDCARE
-  2 SHOWN AS TWO CLASSROOMS (SMALL ROOMS) IN SP3A DIAGRAMS; CURRENTLY USED AS ONE CLASSROOM; DIVIDING WALL HAS BEEN REMOVED.
-  3 SP3A DIAGRAMS SHOW ONE BATHROOM ADJACENT TO EACH KINDERGARTEN CLASSROOM; CURRENT CONFIGURATION HAS 2 BATHROOMS ADJACENT TO EACH KINDERGARTEN CLASSROOM.
-  4 COMPUTER LAB
-  5 INTERVENTION / TECH ROOM / OFFICE
-  6 SHOWN ON SP3A DIAGRAMS AS A SPEECH COUNSELOR OFFICE; CURRENTLY USED AS A WORKROOM.
-  7 DIVIDING WALL HAS BEEN MODIFIED FROM CONFIGURATION SHOWN IN SP3A DIAGRAMS.
-  8 INTERVENTION
-  9 EBLOCK, CLUB 8, ART TRAINING.
-  10 SHOWN ON SP3A DIAGRAMS AS MECHANICAL; CURRENTLY USED AS MDF



INTERIOR BUILDING SPACES CURRENT USES LEGEND

- INSTRUCTIONAL**
-  BASIC CLASSROOM
-  SPECIALITY CLASSROOM
-  SCIENCE CLASSROOM
-  SMALL ROOM
-  CLASSROOM SUPPORT
- GENERAL**
-  ATHLETIC*
-  LIBRARY/MEDIA
-  STUDENT SUPPORT
-  ADMINISTRATIVE
-  ASSEMBLY*
-  CIRCULATION
-  OPERATIONAL SUPPORT
-  FOOD SERVICE*
-  SPACE IS NOT USED

*INCLUDES ALL ASSOCIATED CIRCULATION AND OPERATIONAL SUPPORT AREAS.



Banyan Elementary | Survey
 1120 Knollwood Drive | Newbury Park, CA 91320
 Conejo Valley Unified School District
 April 5, 2017

Existing Campus Building Use- First Floor

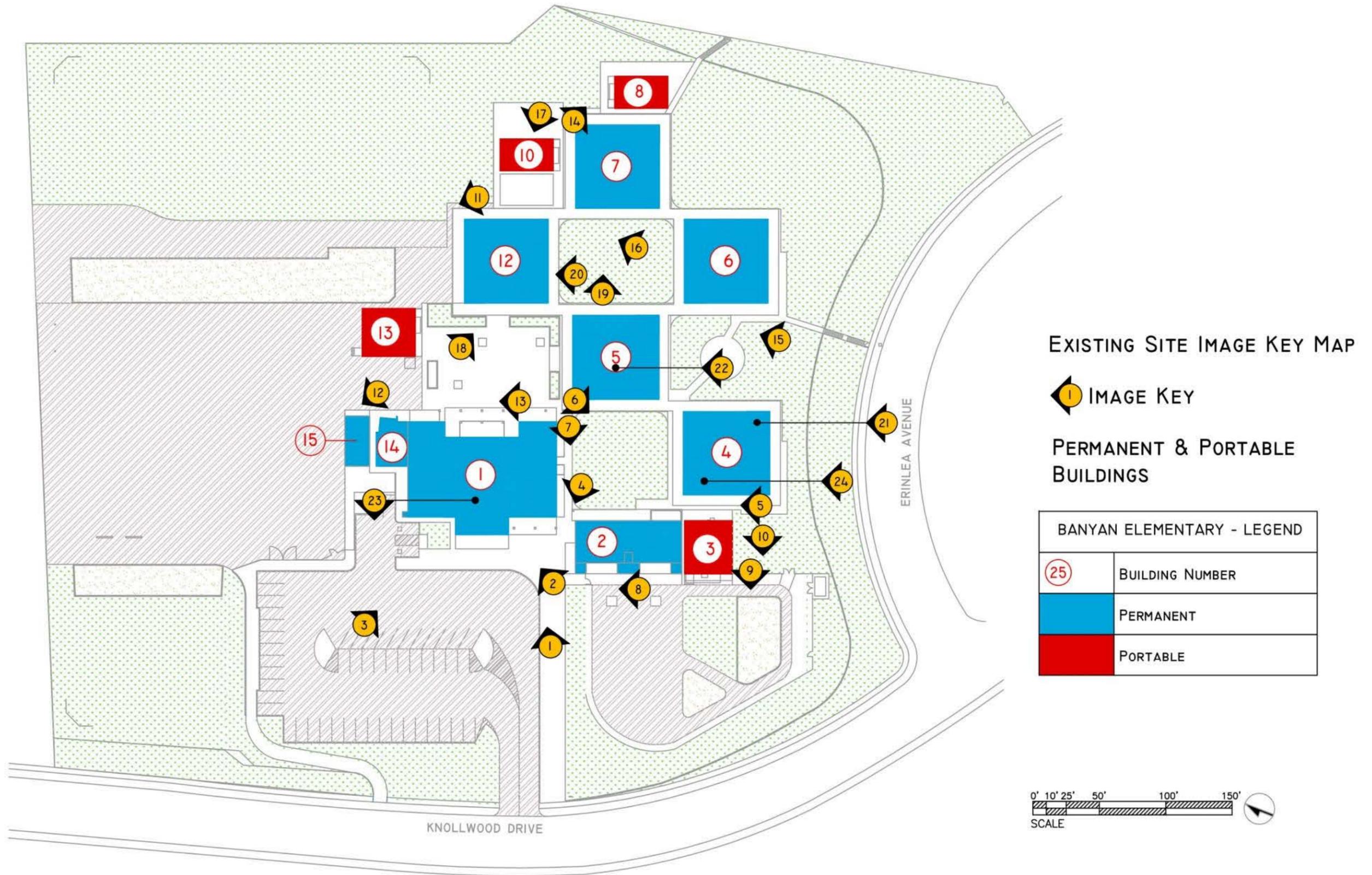




Photo 1

Building Name: Administration/Multipurpose
Building Number: 1
Administration/Multipurpose building from entry lot.



Photo 2

Building Name: Administration/Multipurpose
Building Number: 1
Administration/Multipurpose building from entry lot.



Photo 3

Building Name: Administration/Multipurpose
Building Number: 1
Administration and kindergarten buildings.



Photo 4

Building Name: Administration/Multipurpose
Building Number: 1
Administration and entry gate.



Photo 5

Building Name: Classroom
Building Number: 4
Classroom 4 view towards kindergarten.



Photo 6

Building Name: Classrooms
Building Number: 2 & 4
Classrooms enclosing a shared space.



Photo 7

Building Name: Classroom
Building Number: 2
Kindergarten classroom.



Photo 8

Building Name: Classroom
Building Number: 2
Kindergarten exterior space. Stacked units.



Photo 9
 Building Name: N/A
 Building Number: N/A
 View from K-1 through gardens space, into Sand box area.

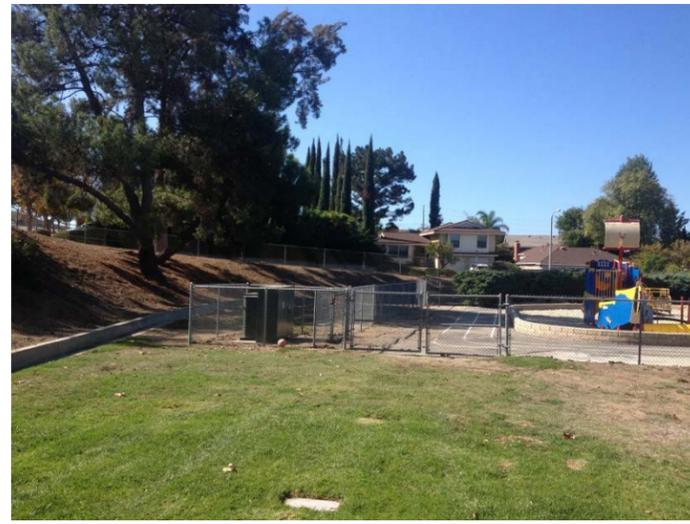


Photo 10
 Building Name: N/A
 Building Number: N/A
 View into K-1 play space.



Photo 11
 Building Name: N/A
 Building Number: N/A
 View of a play sandbox.



Photo 12
 Building Name: Lunch shelter
 Building Number: N/A



Photo 13
 Building Name: N/A
 Building Number: N/A
 Courtyard space, childcare building in background



Photo 14
 Building Name: Classroom
 Building Number: 8
 Computer Lab portable.



Photo 15
 Building Name: Classroom
 Building Number: 6
 Green Pod classroom.



Photo 16
 Building Name: Classroom
 Building Number: 7
 Red Pod classroom.



Photo 17
Building Name: Classroom
Building Number: 10
Portable computer lab looking west.

Photo 18
Building Name: Classroom
Building Number: 7
Red Pod classrooms view from courtyard.

Photo 19
Building Name: Classroom
Building Number: 7
View through courtyard space.

Photo 20
Building Name: Classroom
Building Number: 12
View through courtyard, looking north.



Photo 21
Building Name: Classroom
Building Number: 4
Typical classroom space.

Photo 22
Building Name: Classroom
Building Number: 5
Core space, teacher's aid space/storage.

Photo 23
Building Name: Multipurpose
Building Number: 1
Assembly space view facing the stage.

Photo 24
Building Name; K-1 Classroom
Building Number: 4
Modified, double size classroom.



Club 8

BANYAN ELEMENTARY SCHOOL
Laurie Davis, Principal

A place for developing creativity,
imagination and teamwork.



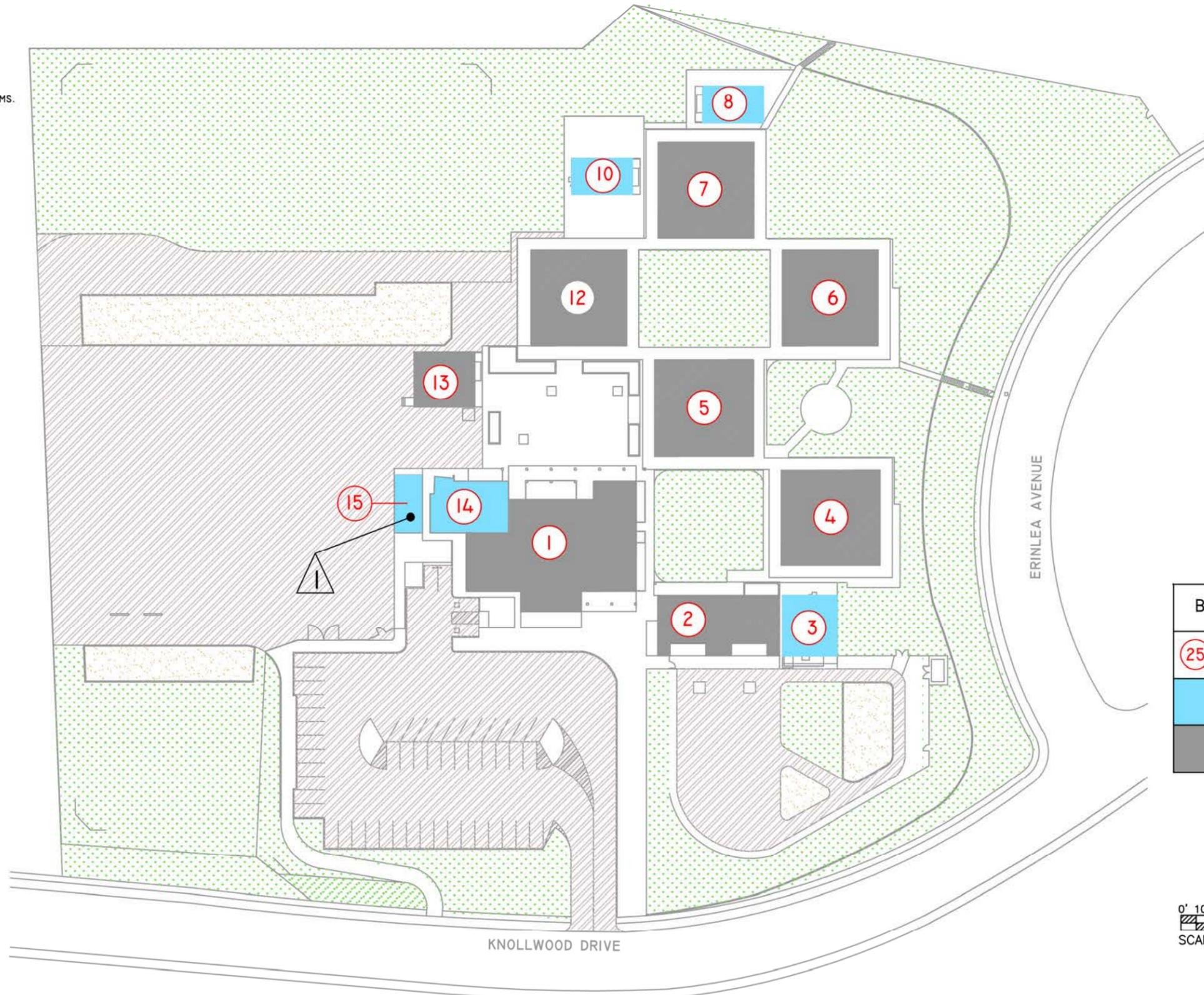
- **Club 8** is a place where students can go during recess hours to play games, create art projects, learn origami, and participate in many interactive activities. It's a place to socialize with other students in a highly creative, and well supervised environment.



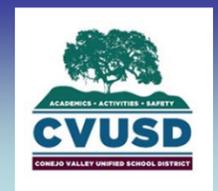
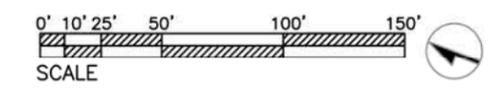
KEY NOTES



LUNCH SHELTER, NOT SHOWN IN SP3A DIAGRAMS.



BANYAN ELEMENTARY - LEGEND	
(25)	BUILDING NUMBER
[Blue Box]	CERTIFICATION REQUIRED
[Grey Box]	CERTIFIED STRUCTURES





Site Challenges:

Site challenges at Banyan Elementary include:

- Flow of drop-off and pick-up traffic and adequate parking for school visitors are made particularly challenging at this site due to minimal street perimeter conditions.
- Inadequate shading and supervision ability at play areas
- Lack of exterior lighting and functional perimeter security fencing

Site Modernization Opportunities:

Campus modernization projects are intended to improve the safety and security of the students, better the instructional and play environments, and beautify the campus internally as well as its face to the neighborhood.

General modernizations to keep the campus in good working condition may include upgrades to the building finishes and major building systems. More efficient HVAC, plumbing and electrical systems are available today, and the school could greatly benefit from these greener technologies. ADA upgrades, including improvements to restrooms, hardware, signage, classroom plumbing fixtures, drinking fountains, and path of travel will ensure that all students, faculty and staff have access to the entire site. In particular door swings on restroom doors at this site are currently non-compliant and should be addressed.

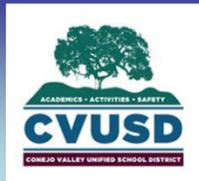
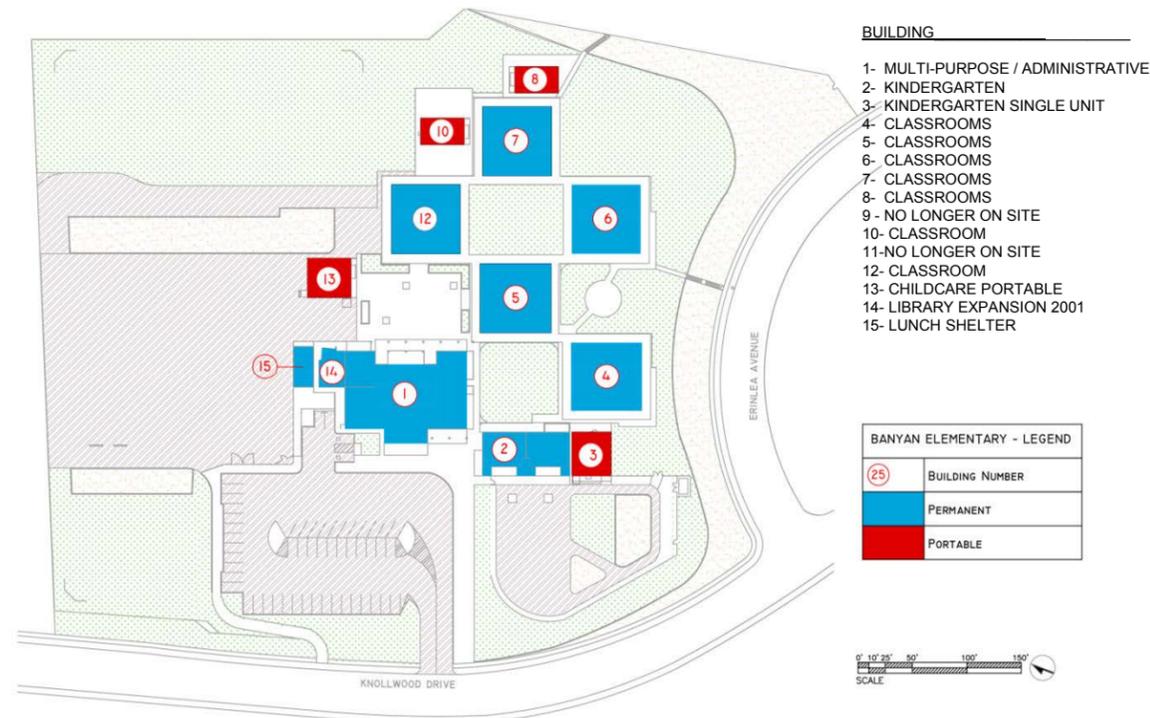




Image 1: Main school entrance as seen from the parking lot.



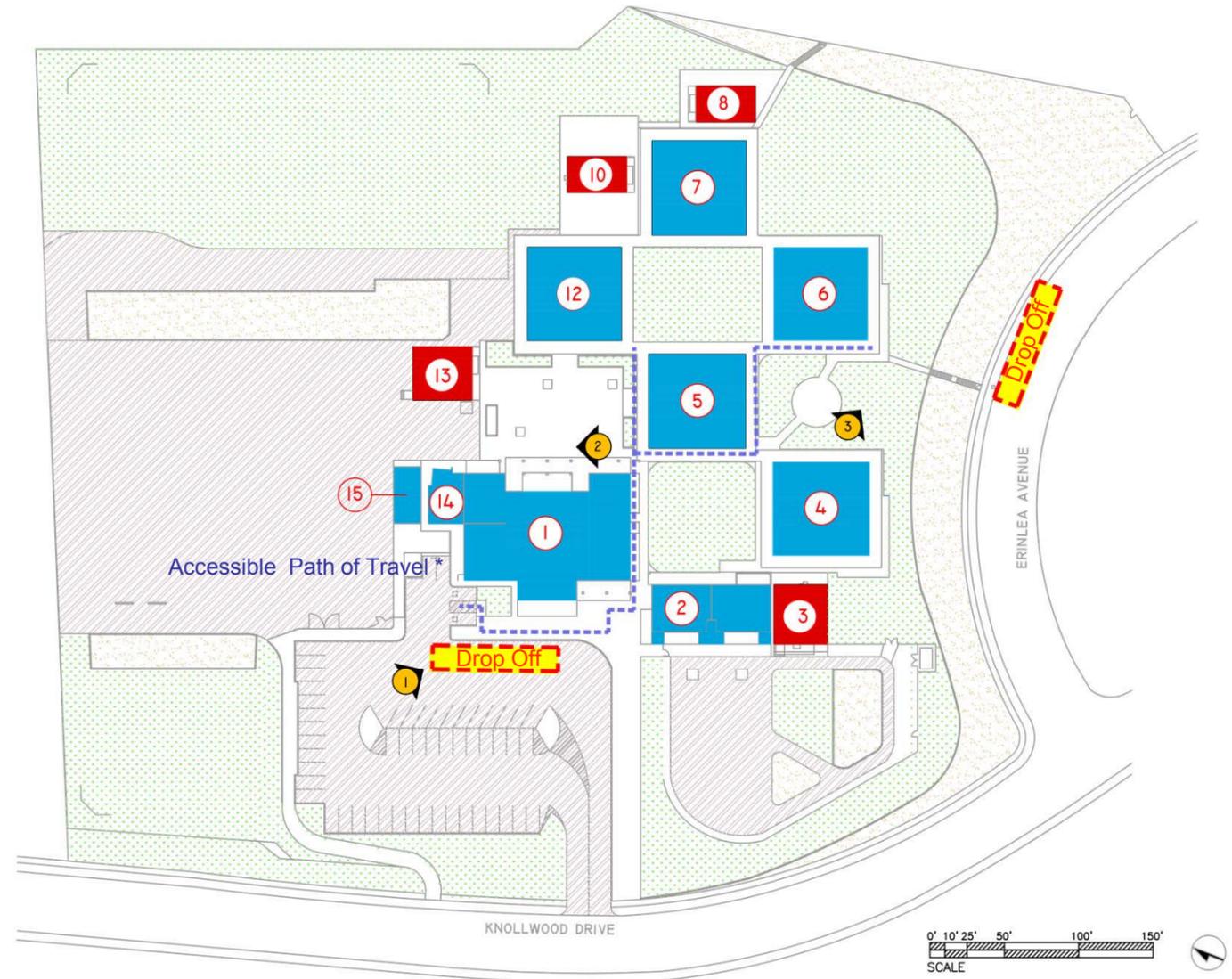
Image 3: Stair access to school from Erinlea Avenue.



Image 2: View from main courtyard looking towards Childcare building and play area beyond.

BUILDING

- 1- MULTI-PURPOSE / ADMINISTRATIVE
- 2- KINDERGARTEN
- 3- KINDERGARTEN SINGLE UNIT
- 4- CLASSROOMS
- 5- CLASSROOMS
- 6- CLASSROOMS
- 7- CLASSROOMS
- 8- CLASSROOMS
- 9- NO LONGER ON SITE
- 10- CLASSROOM
- 11- NO LONGER ON SITE
- 12- CLASSROOM
- 13- CHILDCARE PORTABLE
- 14- LIBRARY EXPANSION 2001
- 15- LUNCH SHELTER
- 14- LIBRARY EXPANSION 2001



Circulation Diagram

* Visually observed to be the accessible path of travel. Verification required.



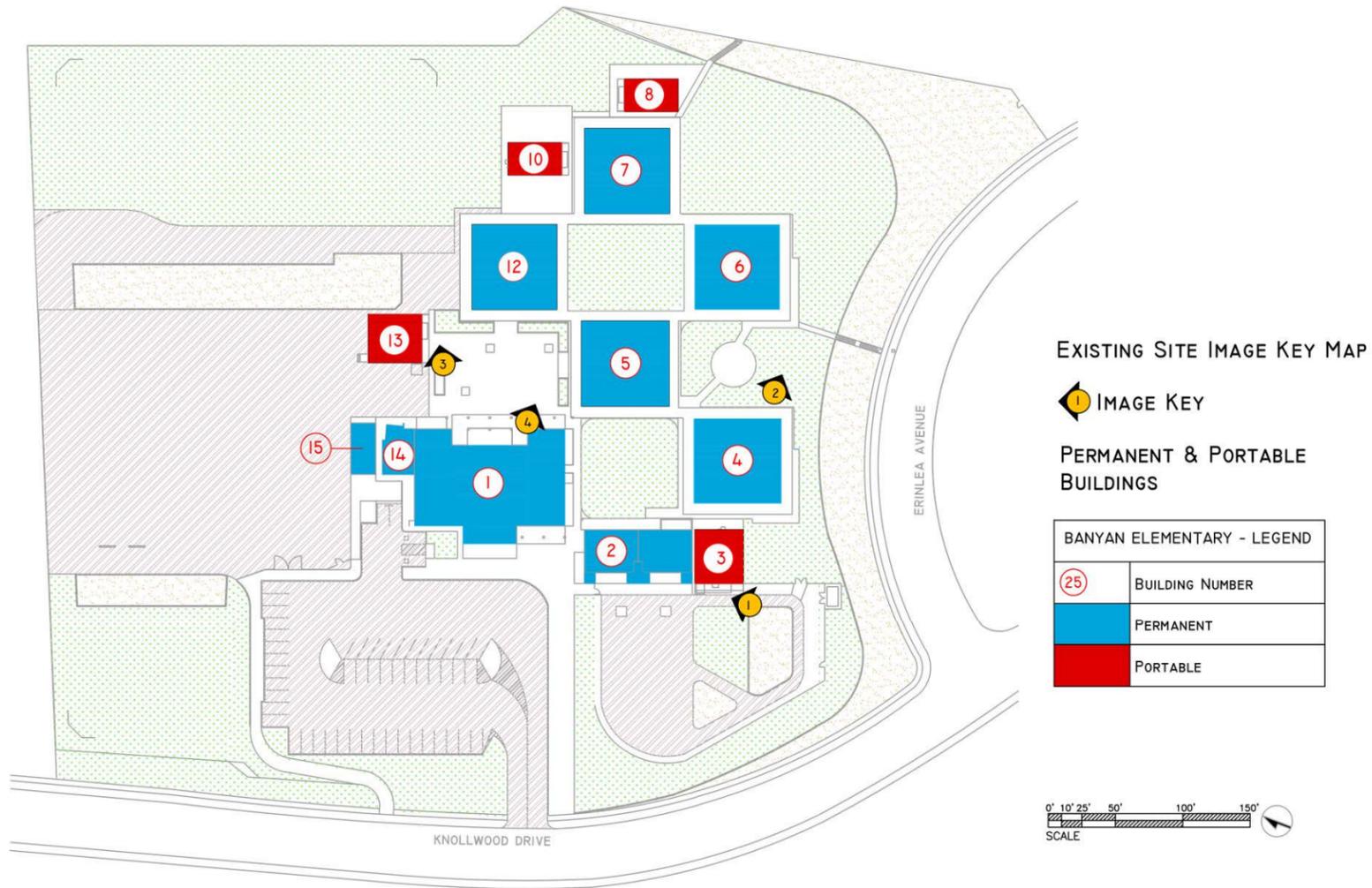


Photo 1- Trip hazard at Kindergarten classroom building.

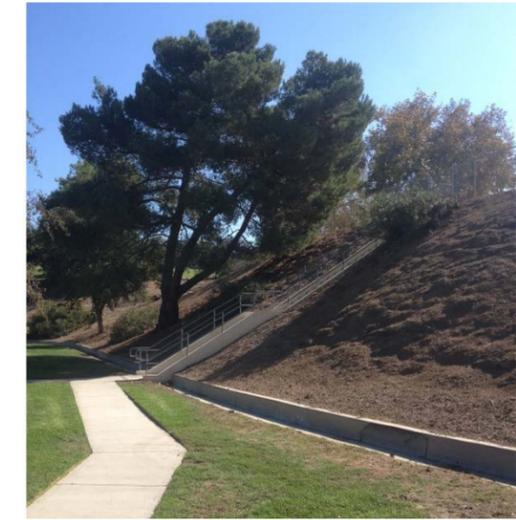


Photo 2- The stair to the school from Erinlea Avenue is very steep and should be evaluated for ADA compliance.



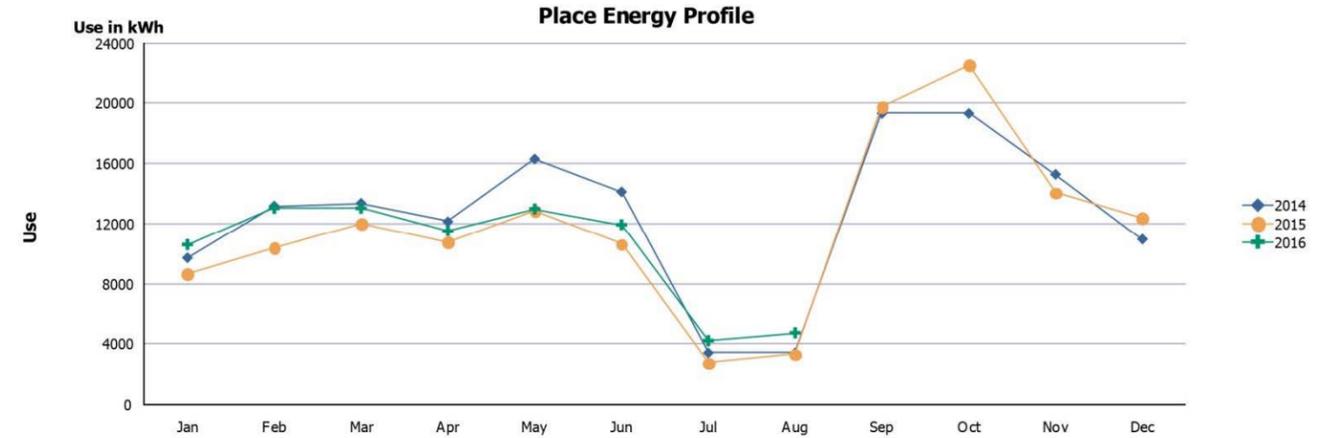
Photo 3- Walkway between courtyard raised planter and childcare building ramp too narrow.



Photo 4- "Stage" in main courtyard lacks compliant stairs and handrails.

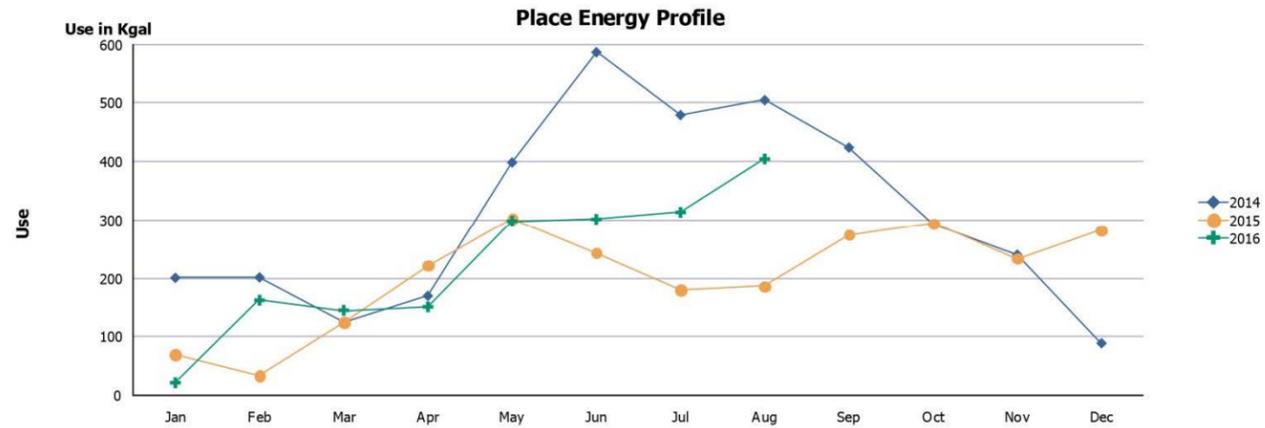
Energy Use Summary

Place: [BANYAN_1] Banyan



[BANYAN_1] Banyan						
Electric	4,750	KWH	\$2,908	\$1,257	\$1,652	56.8%
Natural Gas	7	THERM	\$110	\$22	\$88	80.2%
Water	541	CCF	\$2,884	\$3,369	\$(485)	(16.8%)
Totals:	17	MMBTU	\$5,903	\$4,647	\$1,255	21.3%

Place: [BANYAN_1] Banyan

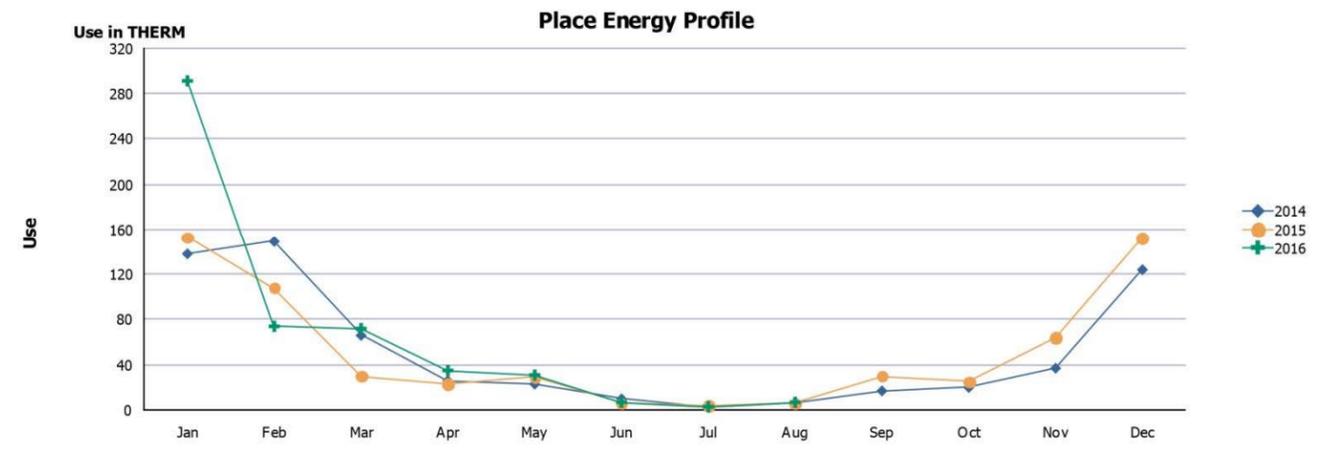


Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
2014	200	201	125	170	399	587	480	505	292	240	89	3,711	
2015	70	34	124	221	302	243	180	186	275	294	233	282	
2016	22	162	145	151	298	301	313	405	0	0	0	1,798	
Totals	293	397	394	542	999	1,131	973	1,096	699	586	474	371	

Water

Electrical

Place: [BANYAN_1] Banyan



Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
2014	138	149	66	26	23	10	3	7	17	20	37	124	
2015	153	108	30	23	29	6	4	6	30	25	64	152	
2016	291	74	72	35	31	7	3	7	0	0	0	520	
Totals	582	331	168	84	83	23	10	20	47	45	101	276	

Gas

Banyan Elementary | Survey

1120 Knollwood Drive | Newbury Park, CA 91320

Conejo Valley Unified School District

April 5, 2017

Energy Use



Core Facilities			
Item	Category	Existing Square Footage	Standard Square Footage Based on Planning 2- Semester Capacity
1	Food Prep & Serving Areas	883 Square Feet	1,670 Square Feet
2	Indoor Dining	3,360 Square Feet	2,280 Square Feet
3	Lunch Shelter	960 Square Feet (estimated)	1,710 Square Feet
4	Multi Purpose/Assembly/Auditorium	4,000 Square Feet	3,780 Square Feet
5	Library	1,741 Square Feet	1,790 Square Feet
6	Administration	1,272 Square Feet**	1,900 Square Feet *
7	Gymnasium Building	N/A	N/A
8	Playground	3.5 Acres	1.5 Acres
9	Parking	51 Stalls	58 Stalls

Core Facilities Summary

1. Food Prep & Serving Areas
Although undersized the food preparation facilities appear adequate for the current demand. Students circulate through the MPR to collect their lunch.

2. Indoor Dining
There is no dedicated indoor dining on campus, however the Multi-Purpose Room serves as indoor dining space for Kindergarten and 1st grades. Grades 2, 3, 4, and 5 have the option of eating in the MPR or outside.

3. Lunch Shelter
The current lunch shelter is undersized for the school population. Additional outdoor shaded areas for lunch are needed.

4. Multi Purpose/Assembly/Auditorium
The Multi-Purpose Room size adequately serves the current population of the school and is used for large gatherings, indoor dining and serving, and student performances.

5. Library
The Library was expanded in 2001 and that space still adequately serves the student population.

6. Administration
The administration suite is minimal but adequate for core functions such as offices and health suite. The administration area is lacking a true conference/meeting space for use by staff and/or visitors. The addition of this space would be ideal within the administration area, but welcome at any location on campus.

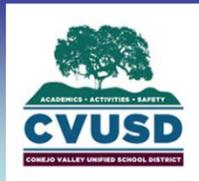
7. Gymnasium Building
N/A

8. Playground
Hardscape and softscape play areas are appropriately sized for the current student population however additional shade at these areas is needed.

9. Parking
The current quantity of parking on site would adequately serve the number of staff but not visitors. Means to provide additional stalls should be investigated.

* This calculation includes the Front Office/Main Office, Training Room/Space, Conference Room, Administrative Office.

** This calculation includes the Staff Lounge in addition to the spaces listed above.



Technology Summary:

The network infrastructure has been upgraded to meet current and future needs. Each building that has an IDF is connected to the MDF via 12 strands of single mode fiber. Every classroom has four locations with two CAT6 A cables along the wall and four cables in the ceiling. A 12 port switch is installed in each classroom to accommodate additional computers. All other instructional and office spaces have newly installed CAT6 A cables. Wireless access points have been installed in all indoor instructional and office spaces in a micro-cell arrangement to ensure the ability to support a 1 to 1 student to device rollout. Outdoor wireless coverage is currently being evaluated. Switch gear that support a 10Gbps backbone and 1Gbps Power Over Ethernet connections is installed in every IDF and MDF. The current speed of the backbone is limited to 1Gbps but can be increased with new fiber optic transceivers.

Room Name	Computer	Quantity	Projector Model	Smartboard Model	Printer Model	Document Reader	Other	Wireless AP	Network Switch	Remarks
Classroom	Dell Opt755	3	Epson Ex3320	smartboard sb680	epson wf3520	ipevo	Aver cart, 7 Ipad Minis, 1 Ipad, 1 Samsung sm-t530nn	aerohive	Juniper	
Classroom	Lenovo All in one 23in	1								
Classroom	optgx620	3								
Classroom	Dell Optgx520	2	Epson Vs220	smartboard sb680	Brother HI-2170w	ipevo HDPlus	1 Ipad, 1 Ipad mini	aerohive	Juniper	
Classroom	Dell Opt780	1								
Classroom	Dell Opt380	1								
Classroom	Dell Opt745	1								
Classroom	Lenovo All in one 23in	1								
Classroom	Dell Opt755	1								
Classroom	Dell Opt780	3		smartboard sb680	Brother HI-I2360dw, Brother HI-2280dw, HP Laserjet 4000	Avervision130		aerohive	2 Juniper	
Classroom	Dell Opt745	1								
Classroom	Dell Opt755	2								
Classroom	Dell Opt380	1								
Classroom	Dell Opt790	10								
Classroom	Lenovo m93p	4								
Classroom	Lenovo All in one 23in	1	Epson Vs230	smartboard sb680		Avervision130		aerohive	Juniper	
Classroom	Dell Opt780	1								
Classroom	Dell Opt380	1								
Classroom	Dell Opt745	1								
Classroom	Dell Opt755	2								
Classroom	Dell Opt760	1								
Classroom	Lenovo All in one 23in	1	Infocus, Epson585w	smartboard sb680		Hovercam Solo8		aerohive	Juniper	
Classroom	Dell Opt745	1								
Classroom	Dell Opt755	1								
Classroom	Dell Opt780	1	Infocus	smartboard sb680	Brother HI-2140	ipevo		aerohive	Juniper	
Classroom	Lenovo m93p	1	Epson Emp82		Hp Laserjet 1160			aerohive	Juniper	
Classroom	Lenovo All in one 23in	1	Infocus	smartboard smb680	Brother HI-2170w, Canon PC1060	Hovercam Solo8	Aver cart, 3 Ipad Minis, 3 Lenovo n22 Chromebooks	aerohive	Juniper	
Classroom	Dell Opt760	1								
Classroom	Dell GX520	2								
Classroom	Lenovo All in one 23in	1	Epson Vs220	smartboard sb680	Hp Laserjet 4240n	Avervision130		aerohive	Juniper	
Classroom	Dell GX620	1								
Classroom	Dell GX520	2								
Classroom	Dell Opt745	1								
Classroom	Dell Opt755	1								
Classroom	Lenovo m93p	1	Epson powerlite 83c	smartboard sb680	Canon Imageclass D420			aerohive	Juniper	
Classroom	Lenovo All in one 23in	1	Epson Vs220	smartboard sb680	Epson Artisan 50, Dell 1720dn	ipevo	Aver Cart, 2 Lenovo n22 Chromebook, 6 Ipad minis, 2 Ipads, 1 Samsung t530nn	aerohive	Juniper	
Classroom	Dell Opt755	2								
Classroom	Dell GX520	3								
Classroom	Dell Opt745	1								
Classroom	Lenovo All in one 23in	1	Epson Vs230	smartboard sb680	Hp Laserjet Pro M201dw	ipevo	Aver cart, 5 Ipads, 1 Ipad mini	aerohive	Juniper	
Classroom	Dell Opt745	1								
Classroom	Dell Opt760	1								
Classroom					Ricoh Pripot Dx3343					
Classroom	Lenovo All in one 23in	1	Epson Powerlite 585w	smartboard smb680	Brother Mfc-j4710dw	Hovercam Solo8	Aver cart, 3 Ipad, 2 acer chromebook, 1 mini Ipad,	aerohive	Juniper	
Classroom	Dell Opt745	1								
Classroom	Lenovo All in one 23in	1	Epson Ex3212	smartboard sb680	Brother HI-2170w, HP Laserjet CP1525nw Color, Brother Mfc-j4710dw	ipevo	Aver Cart,	aerohive	2 Juniper	
Classroom	Dell Opt745	1								
Classroom	Dell Opt740	1								
Classroom	Lenovo All in one 23in	1	Epson Vs220	smartboard sb680		Avervision130		aerohive	Juniper	
Classroom	Dell Opt745	1								



Technology Summary Continued:

Room Name	Computer	Quantity	Projector Model	Smartboard Model	Printer Model	Document Reader	Other	Wireless AP	Network Switch	Remarks
Classroom	Dell Opt755	1								
Classroom	Dell GX520	3								
Classroom	Lenovo All in one 23in	1	Epson Ex3210	smartboard sb680		Hovercam Solo8		aerohive	Juniper	
Classroom	Dell Vostro 200	1								
Classroom	Dell Opt380	1								
Classroom	Dell Opt755	1								
Classroom	Dell Opt780	1								
Classroom	Dell GX520	2								
Classroom				Brother HI-5450dn			2 Aver cart	aerohive	Juniper	
Classroom	Lenovo All in one 23in	1		smartboard sb680	Canon Imageclass Mg2220		Hovercam Solo8			
Classroom	Dell Opt745	1								
Classroom	Lenovo m93p		Epson Ex3212	smartboard sb680		Elmo Tt-02RX	2 Aver cart, 19 Lenovo n22 Chromebooks	aerohive	Juniper	
Classroom	Dell Opt745	1								
Classroom	Emachines t3642	1								
Classroom	Dell GX520	1								
Classroom	Dell P28F	1								
Classroom				Hp Laserjet Pro M201dw						
Classroom	Lenovo All in one 23in	1	Epson Ex3220	smartboard sb680		ipevo	2 Aver cart, 10 Lenovo n22 Chromebooks,	aerohive	2 Juniper	
Classroom	Dell GX520	1								
Classroom	Dell Opt740	1								
Classroom	Dell Opt755	1								
Classroom	Dell Opt380	1								
Classroom	Dell Opt760	1								
Classroom	Lenovo All in one 23in			smartboard sb680			Aver Cart,	aerohive	Juniper	
Classroom	Dell Opt755	1								
Classroom	Lenovo All in one 23in		Infocus	smartboard sb680		Elmo Tt-02RX	Aver Cart,	aerohive	Juniper	
Classroom	Dell Opt755	1								
Classroom	Dell Vostro 420	1								
Classroom	Dell GX520	1								
Classroom	Dell Opt780	2								
Classroom				Brother HI-2170w						
Classroom	Lenovo All in one 23in	1	Epson Vs220	smartboard sb680	Hp Officejet 4635		Avervision130	aerohive	Juniper	
Classroom	Dell Opt780	1								
Classroom	Dell Opt745	3								
Classroom	Dell Opt755	1								
Classroom	Lenovo All in one 23in		Epson Powelite 585w	smartboard sb680			Avervision130 Aver Cart,	aerohive	Juniper	
Classroom	Dell Opt780	1								
Classroom	Dell GX520	3								
Classroom	Dell Opt755	1								
Classroom	Lenovo All in one 23in	1	Epson Vs220	smartboard sb680		2 ipevo		aerohive	Juniper	
Classroom	Dell Opt755	1								
Classroom	Dell Vostro 200	1								
Lab	Dell Opt780	42	Epson Ex31	smartboard sb680	Brother HI-6180dw, Brother DCP-8080dn			aerohive		
Classroom	Dell Opt380	1								
Classroom	Dell Opt980	40	Infocus		Xerox Phaser 3320			aerohive		
Classroom										
Classroom				Ricoh Afficio MP4002						
Classroom	Dell Opt745	1		Hp Laserjet p2035n						
Classroom	Lenovo All in one 23in	1		Brother HI-I2380dw				aerohive		
Classroom	Lenovo All in one 23in	1		Brother Mfc- 7360n, Brother HI-L8350cdw				aerohive		
Classroom	Dell Opt780	1								
Classroom	Dell Opt745	1		Brother HI-2270dw						
Classroom	Dell Opt780	1								
			Sanyo ProExtrax					2 Aerohive		



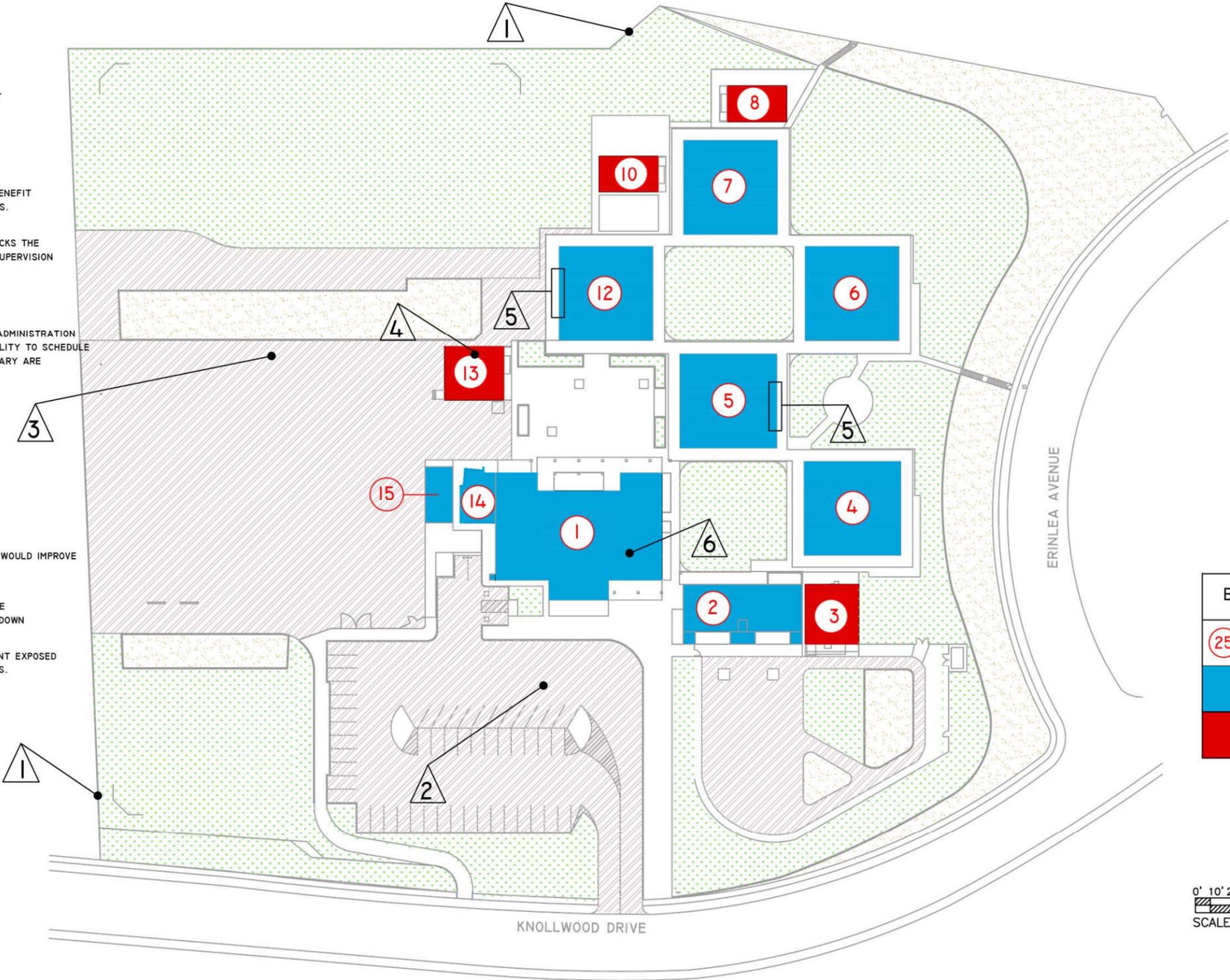
Observations Summary:

KEY NOTES

- 1 PERIMETER FENCING WOULD BENEFIT FROM IMPROVEMENTS
- 2 ADDITIONAL PARKING IS NEEDED
- 3 ADDITIONAL SHADE TREES WOULD BENEFIT CAMPUS PLAY AND BREAKOUT AREAS.
- 4 PORTABLE CHILDCARE BUILDING BLOCKS THE VIEW OF PLAY YARD AND CAUSES SUPERVISION PROBLEMS.
- 5 ADA NON COMPLIANT DOOR SWINGS SHOULD BE ADDRESSED
- 6 A LARGER CONFERENCE ROOM FOR ADMINISTRATION AND STAFF WOULD PROVIDE FLEXIBILITY TO SCHEDULE MEETINGS WHEN THE MPR AND LIBRARY ARE OTHERWISE OCCUPIED

GENERAL NOTES

- 1. ADDITION OF EXTERIOR LIGHTING WOULD IMPROVE SAFETY AND SECURITY.
- 2. STACKED CONDENSERS SHOULD BE RECONFIGURED TO HALT THE SHUT-DOWN ISSUES FACED ON HOT DAYS.
- 3. REPAIR ROT DAMAGE AND REPAINT EXPOSED EXTERIOR ROOF BEAMS AND FASCIAS.
- 4. IMPROVE POWER DISTRIBUTION WITHIN CLASSROOMS.



BANYAN ELEMENTARY - LEGEND	
(25)	BUILDING NUMBER
[Blue Box]	PERMANENT
[Red Box]	PORTABLE

