



# CVUSD *Facilities Master Plan*



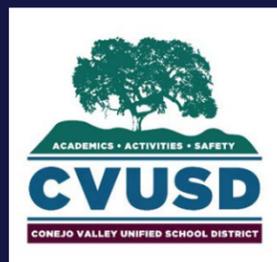
CVUSD – NEWBURY PARK CLUSTER

## EARTHS Magnet School | *Survey*

2626 Michael Drive | Newbury Park, CA 91320

Conejo Valley Unified School District

December 16, 2016 DRAFT V3



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## Existing Site Summary

### Neighborhood:

EARTHS Magnet School is located in the City of Newbury Park on a 9.14 acre site. The campus sits just south of the 101 Ventura Freeway and is bound by Michael Drive on the north and by Redfield Avenue on the east. The school's southern and western edges are bordered with single-family residential properties. EARTHS is a half mile northeast of Sequoia Middle School. The closest major intersection is Borchard Road and the 101 Freeway.

### Instruction:

EARTHS Magnet School is the Environmental Academy of Research Technology and Earth Sciences. EARTHS provides curriculum to Kindergarten through 5th grades that uses environmental science and technology across subject matter to unify each student's learning experience. Students explore topics at deeper integrated levels to develop skills of independent thinking and inquiry. EARTHS does not operate as a typical neighborhood elementary school, but instead draws students from across the District via a School Choice lottery procedure.

### Summary of Facilities:

The primary buildings on campus completed in 1963 are wood framed construction with brick, wood panel and stucco exterior finishes. Deep overhangs on the building provide ample shaded and protected exterior walkways. The layout of the classroom buildings in a series creates generous courtyards between the classrooms with beautiful established trees. These original buildings appear to have been well-maintained over their life. Buildings added to the campus since the original construction include portables to house classrooms, child care and a Professional Development School as well as a lunch shelter.

### Building Systems:

The HVAC systems in the original campus buildings from 1963 were modernized in 1999 when additional buildings were added to the site. Split systems provide cooling and natural gas forced air furnaces provide heating. Per the recently completed Facility Condition Assessment all units are in Fair shape. Plumbing and electrical systems were also upgraded in 1999 during the campus modernization. Per the Assessment and as confirmed by site personnel, the electrical transformer(s) on site are due for replacement in the near future. Power distribution throughout the campus could be improved to facilitate more locations and easier access for charging hand-held educational technology devices.

### Technology:

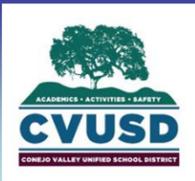
Recent Wi-Fi installation at EARTHS has enhanced the technology abilities on campus significantly. The school continues to utilize their Measure I funds to purchase hand-held devices (mainly Chromebooks and iPads) as well as Promethean Boards for classrooms. Charging for the hand-held devices is challenging due to the limited power distribution mentioned previously. Additional power locations should be investigated. The total electrical service to the campus is adequate though.

### 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 EARTHS 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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### **Site Attributes:**

EARTHS' large site allows the different typologies of space that an elementary school site needs to be somewhat separated. Parking and entry to the campus are limited to the north end of the site. All the buildings on the site sit immediately south of the vehicular zone and are connected via covered walkways. Beyond the buildings at the southern end of the site sit the school's gardens, abutting the neighboring residential properties. Lastly the primary play zones occupy the remaining western half of the site.

The layout of the original classroom buildings created two intimate courtyards with matured trees, providing beautiful shaded spaces for teachers to expand their education beyond the classrooms to the exterior. These courtyards can also be used as quieter smaller-scale play areas while the larger play areas mentioned previously provide plenty of larger-scale area to run and play in a 'louder' setting.

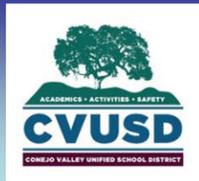
The natural setting of the campus and the gardens that have been developed further the school's goals to develop a strong environmental curriculum for the students.

### **Site Opportunities:**

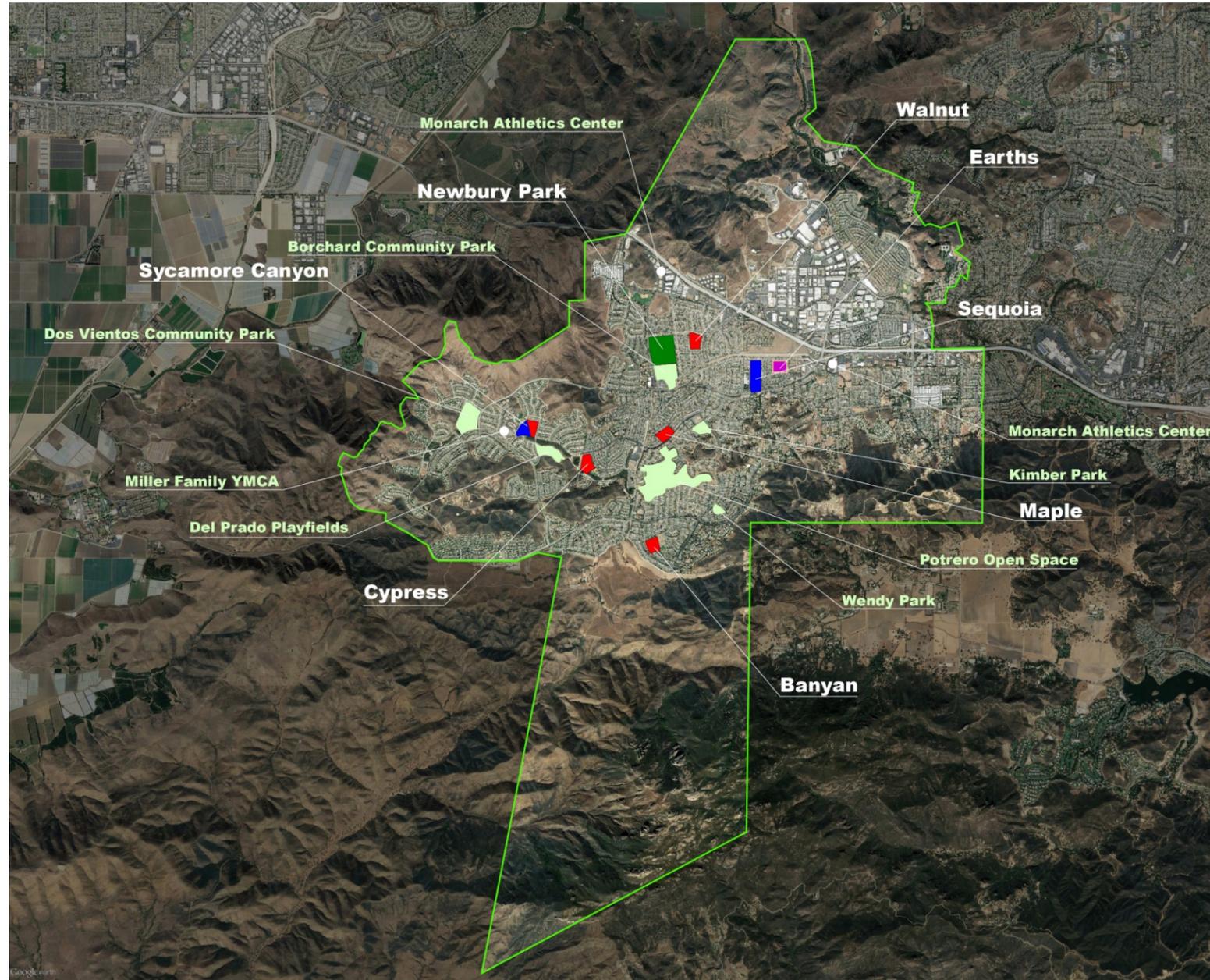
The most significant opportunity for improvement on the EARTHS' campus involves alleviating the traffic congestion surrounding student drop-off and pick-up and increasing the available parking on site. Currently all vehicular access to the site is limited to the northern edge along Michael Drive. While this limited access on one side only is desirable because it allows the rest of the campus to be used for other functions, this design puts a strain on the surrounding neighborhood and traffic during peak times in the school day.

Another opportunity for improvement on the campus consists of measures to return building components to their original state. Glazing throughout the school no longer matches, with some panes still original glass, some replaced with plexi-glass, and other with different types of windows. At some locations the exterior covered walkways need attention to address wear and tear on the wood and metal components. New paint, asphalt patching / slurry and some landscape rework will offer the campus a fresh and new appearance.

The covered walkways connecting the campus's original buildings bring character to the campus. Continuing this logic to provide covered connections to the newer buildings as well will not only provide a functional improvement to the school but it will serve to aesthetically connect the newer disparate buildings to the whole. Exterior lighting additions would improve this aesthetic connection across the campus and provide added security measures at night.



# CVUSD Newbury Park Cluster



## Legend

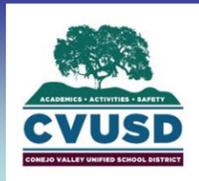
- Elementary School
- Middle School
- High School
- Magnet School
- Parks
- Special Education School
- Other Community Resources

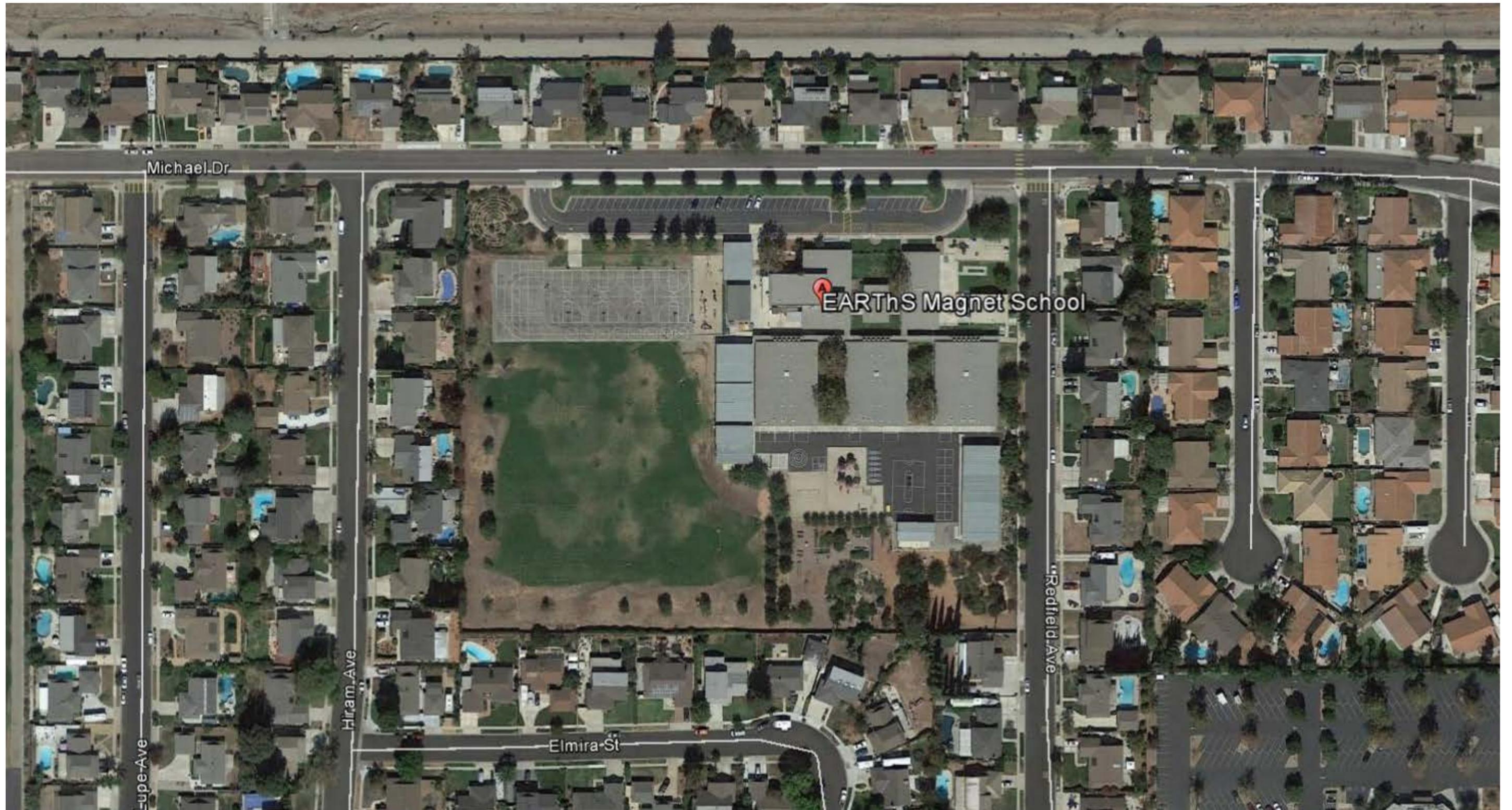
## CVUSD Newbury Park Cluster Sites

LOCATION CODE	SITE NAME	SCHOOL MANAGEMENT SERVICES SITE TYPE	GRADE LEVEL CONFIG
NEWBURY PARK	EARTH'S MAGNET	Elem. School	Pre-K- 5
NEWBURY PARK	WALNUT ELEMENTARY	Elem. School	TK- 5
NEWBURY PARK	MAPLE ELEMENTARY	Elem. School	K- 5
NEWBURY PARK	BANYAN ELEMENTARY	Elem. School	K- 5
NEWBURY PARK	CYPRESS ELEMENTARY	Elem. School	TK- 5
NEWBURY PARK	SEQUOIA MIDDLE SCHOOL	Middle School	6- 8
NEWBURY PARK	SYCAMORE CANYON SCHOOL	Elem. + Middle School	K- 8
NEWBURY PARK	NEWBURY PARK HIGH SCHOOL	High School	9-12
8	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
Potrero Open Space	Potrero Open Space	Thousand Oaks
Kimber Park	Cloudcrest Ct.	Newbury Park
Borchard Community Park	190 N. Reino Rd.	Newbury Park
Wendy Park	815 American Oaks Avenue Newbury Park, CA 91320	Thousand Oaks
Monarch Athletics Center	3599 Old Conejo Rd.	Newbury Park
Thousand Oaks Library	2331 Borchard Rd	Newbury Park
Miller Family YMCA	320 Via Las Brisas	Newbury Park





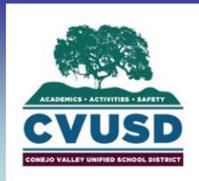
EARTHs Magnet School | Survey

2626 Michael Drive | Newbury Park, CA 91320

Conejo Valley Unified School District

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## Project Location Map



FACILITIES - CLASSROOM INVENTORY																	
K-12 School Facility	Grade/Type	Number of Teaching Stations					Projections										
		Total # of Teaching Stations	Permanent	Quality Modulares	Owned Portables	Leased Portable	Capacity	Rms Utilized	Ratio	Capacity Needed							
As used for the 15/16 School Year										Based on 16/17							
	Jr K	0								0	20.00	0					
*TK inclds NFL	K	5	4	1			100	4	22.00	89							
*1-3 inclds C.Care	1-3	13	9	4			260	12	22.00	263							
*4-5 inclds ELD_Spch	4-5	6	0		6		180	6	30.00	192							
	SDC	0				0		0	0								
	LC	1	1					1	0								
*inclds Science Lab	LAB	5	4	1		0		5	0								
Sub-Total K-5		30	18	6	6	0	540	28		544							

ENROLLMENT HISTORY (Manzanita)																					
Grade	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	
Jr K																					
K		88	88	88	88	88	89	88	87	84	66	78	74	77	78	76	77	75	79	112	108
1		88	85	88	88	88	89	87	84	66	78	74	77	78	76	77	75	79	112	108	
2		87	87	87	88	89	87	88	85	67	71	73	73	85	76	72	76	112	98	98	
3		87	88	88	87	88	88	87	67	72	67	67	79	66	70	79	86	96	93	82	
4		96	95	96	94	90	88	96	86	65	67	68	60	68	72	83	92	87	87	80	
5		97	96	89	95	90	96	88	53	62	65	58	66	65	81	88	80	87	74	66	
6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
Total Elem	0	543	539	536	540	533	537	535	482	394	419	420	427	441	460	476	484	553	540	563	
Special Ed	0	0	0	0	0	0	0	0	1	2	3	3	3	4	3	6	5	5	8	9	
TOTAL	0	543	539	536	540	533	537	535	483	396	422	423	430	445	463	482	489	558	548	572	

PRINCIPAL PROJECTIONS										
Grade	Forecast		Primary & Upper			Teacher Calculation		15-16		14-15
	Students	Teachers	4/23/2015	5/26/2015	8/18/2015	Totals	Teacher by Ratio	Students per class	Budget Calc	Staffing
Special Ed										
TK										
K	88	4.09	88	88	87	344	4.05	22		
1	88	4.09	88	88	85		3.95	22	16	16
2	88	4.09	88	88	87		4.05	22		
3	88	4.09	88	88	85		3.95	22		
4	96	3.20	96	96	96	192	3.20	30		
5	96	3.20	96	96	96		3.20	30	6	6
TK - 5	544	16.37	544	544	536					
TOTAL	544	22.77	544	544	536		22.40		22	22

CVUSD EARTH'S MAGNET SCHOOL										
Location Code: 0000					Campus Summary					
Site Information		Totals			Total Planned Site Capacity:			Totals		
Current Useable Area:		9.10 Acres			Current Enrollment:			543		
Current Playground Area:		4.4 Acres			Planning 2-Semester Capacity:			540		
					Enrollment to use for Planning			544		
Playground Area Required:		1.5 Acres								
Classroom Status for School:		Current Classrooms			Potential Classrooms + Current Classrooms			Classrooms identified by the school		
		Permanent	Portable	Totals	Permanent	Portable	Totals	Permanent	Portable	Totals
Available Classrooms 720 Square Feet or greater:		17	12	29	17	13	30	17	12	29
Available Small Rooms 719 Square Feet or smaller:		0	0	0	0	0	0	0	0	0
Totals:		17	12	29	17	13	30	17	12	29

### Analysis:

A little over half of the buildings at EARTH'S Magnet School are original to the campus. Over the years portables have been added to house classrooms, child care and a Professional Development School. The main deviation between the observed uses and the previously recorded uses of the spaces is the modernization of one of the original classroom buildings (Building #4) to convert 4 standard sized classrooms into a Library, a Physical Sciences Lab, and a Science Lab Prep space.

### 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.

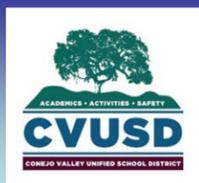
#### •For Elementary Schools

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.

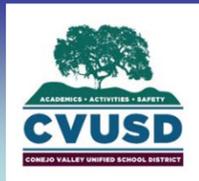
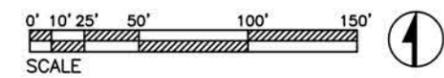
#### For Span and other types of Schools

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.

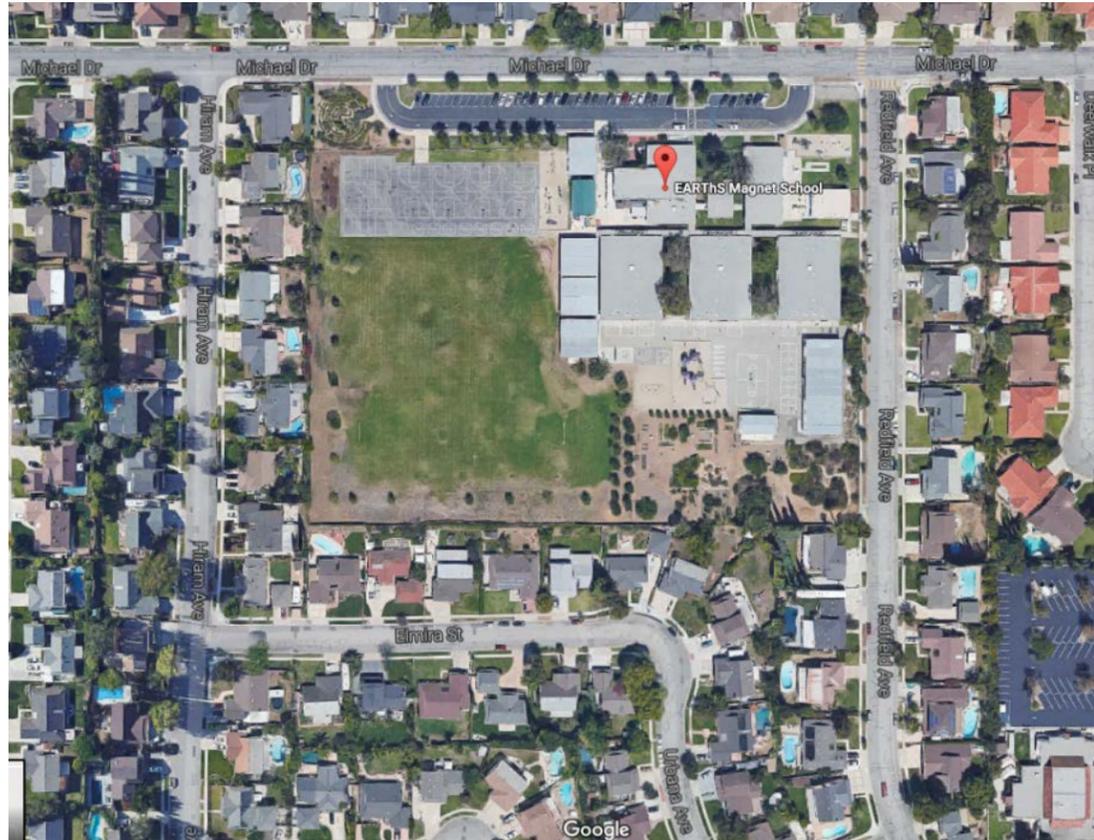




EARTHS - LEGEND	
(25)	BUILDING NUMBER
[Blue Box]	PERMANENT
[Red Box]	PORTABLE



Street Address	City	St	Zip Code Plus Four	School District Building Name	Building Rating Classification	Square Footage	Fire Const. Code	Fire Const. Type	Roof Type	Year Built	Year Renovated				Status	Is Vacant Y/N
											Roof	HVAC	Electric	Plumbing		
2626 Michael Drive	Newbury Park	CA	91320-3292	1 - Multi-Purp/Admin	Elementary	5,950	2	Joisted Masonry	Composition	1963	2006	1999	1999	2001	Owned and occupied by the district	N
2626 Michael Drive	Newbury Park	CA	91320-3292	2 - Classroom 19-22	Portable	3,840	5	Modified Fire Resistive	Metal	1998	1998	1999	1999	1999	Owned and occupied by the district	N
2626 Michael Drive	Newbury Park	CA	91320-3292	3 - Classroom 1-6	Elementary	6,784	2	Joisted Masonry	Composition	1963	2008	1999	1999	2001	Owned and occupied by the district	N
2626 Michael Drive	Newbury Park	CA	91320-3292	4 - Classroom 7-12	Elementary	6,784	2	Joisted Masonry	Composition	1963	2008	1999	1999	2001	Owned and occupied by the district	N
2626 Michael Drive	Newbury Park	CA	91320-3292	5 - Portable	Portable	960	5	Modified Fire Resistive	Metal	1990	1990	1990	1996		Owned and occupied by the district	N
2626 Michael Drive	Newbury Park	CA	91320-3292	6 - Classroom 23-26	Portable	4,800	5	Modified Fire Resistive	Metal	1999	1999	1999	1999	1999	Owned and occupied by the district	N
2626 Michael Drive	Newbury Park	CA	91320-3292	7 - Classroom 13-18	Elementary	6,784	2	Joisted Masonry	Composition	1963	2008	1999	1999	2001	Owned and occupied by the district	N
2626 Michael Drive	Newbury Park	CA	91320-3292	8 - Kindergarten	Elementary	1,440	5	Modified Fire Resistive	Metal	1999	1999	1999	1999	1999	Owned and occupied by the district	N
2626 Michael Drive	Newbury Park	CA	91320-3292	9 - Kindergarten	Elementary	2,880	2	Joisted Masonry	Composition	1963	2001	1999	1999	2001	Owned and occupied by the district	N
2626 Michael Drive	Newbury Park	CA	91320-3292	10 - Lounge	Elementary	960	2	Joisted Masonry	Composition	1965	2001	1999	1999	2001	Owned and occupied by the district	N
2626 Michael Drive	Newbury Park	CA	91320-3292	11 - Child Care	Portable	1,440	5	Modified Fire Resistive	Metal	2000	2000	2000	2000	2000	Owned and occupied by the district	N
2626 Michael Drive	Newbury Park	CA	91320-3292	12 - Lunch Shelter	NA	1,320	NA	NA	Metal	2005	2005	NA	NA	NA	Owned and occupied by the district	N
2626 Michael Drive	Newbury Park	CA	91320-3292	13 - Classrooms 22-23	Portable	1,920	5	Modified Fire Resistive	Metal	2009	2009	2009	2009	2009	Owned and occupied by the district	N

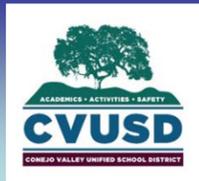


**Existing Facilities:**

6 buildings are over 40 years old

**Analysis Summary:**

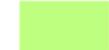
The oldest buildings at EARTH'S Magnet School were 53 years old at the time of this survey. The durability of the original building materials have served the campus well and are still in good shape given their age.

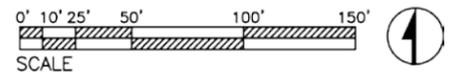


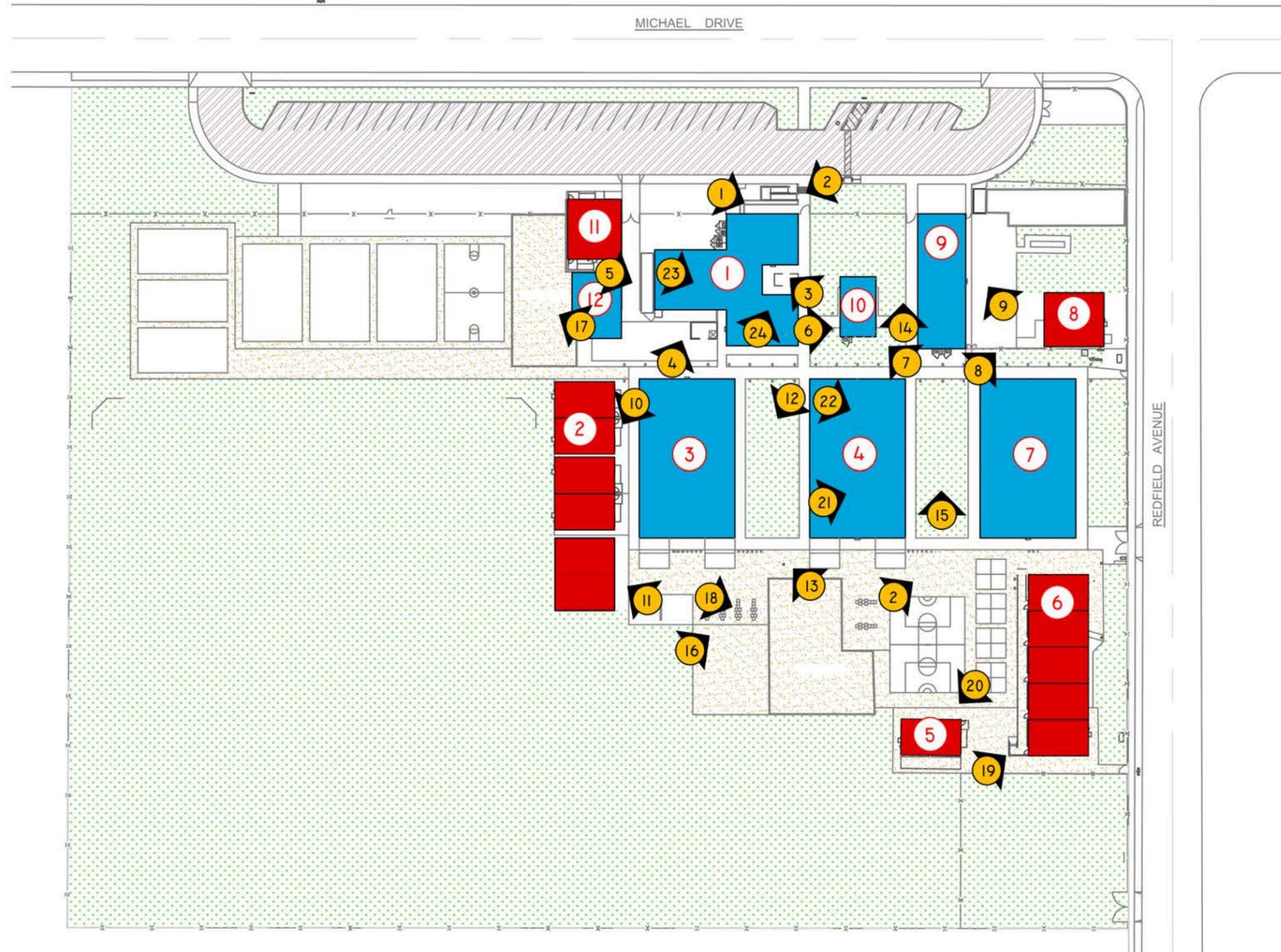
# KEY NOTES

-  CURRENTLY USED AS PROFESSIONAL DEVELOPMENT SCHOOL ROOM; SHOWN AS A PRESCHOOL CLASSROOM IN SP3A DIAGRAMS
-  ROOM 304 WAS A CLASSROOM, CURRENTLY USED AS CHILD CARE
-  CURRENTLY USED AS A PRESCHOOL ROOM; SHOWN AS A KINDERGARTEN CLASSROOM IN SP3A DIAGRAMS
-  COUNSELING, PSYCHOLOGIST
-  COMPUTER LAB
-  SHOWN ON SP3A DIAGRAMS AS TWO CLASSROOMS; CURRENT CONFIGURATION IS AS SHOWN AND INCLUDES ONE LARGER SCIENCE CLASSROOM AND A CLASSROOM SUPPORT SPACE ON THE WEST, AND A LIBRARY AND STORAGE SPACE ON THE EAST.



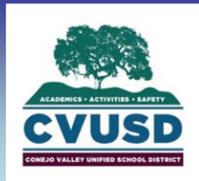
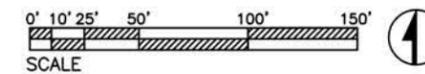
- ## LEGEND
- INSTRUCTIONAL**
-  BASIC CLASSROOM
  -  SPECIALITY CLASSROOM
  -  SCIENCE CLASSROOM
  -  SMALL ROOM
  -  CLASSROOM SUPPORT
- GENERAL**
-  ATHLETIC
  -  LIBRARY/MEDIA
  -  STUDENT SUPPORT
  -  ADMINISTRATIVE
  -  ASSEMBLY
  -  CIRCULATION
  -  OPERATIONAL SUPPORT
  -  FOOD SERVICE
  -  SPACE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





**1 IMAGE KEY**

EARTHS MAGNET ES - LEGEND	
(25)	BUILDING NUMBER
[Blue Box]	PERMANENT
[Red Box]	PORTABLE





**Photo 1**  
 Building Name: MULTI-PURPOSE/ADMINISTRATION  
 Building Number: 1  
 Administration front façade with school logo



**Photo 2**  
 Building Name: MULTI-PURPOSE/ADMINISTRATION  
 Building Number: 1  
 Main drop off area



**Photo 3**  
 Building Name: MULTI-PURPOSE/ADMINISTRATION  
 Building Number: 1  
 Entrance to multi-purpose room



**Photo 4**  
 Building Name: MULTI-PURPOSE/ADMINISTRATION  
 Building Number: 1  
 View of professional development space



**Photo 5**  
 Building Name: MULTI-PURPOSE/ADMINISTRATION  
 Building Number: 1  
 Storage structure adjacent to the Multi-purpose/  
 Administration building



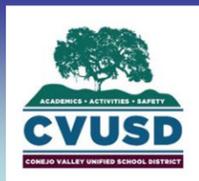
**Photo 6**  
 Building Name: STAFF LOUNGE  
 Building Number: 10  
 Outdoor rest area in front of staff lounge building.



**Photo 7**  
 Building Name: STAFF LOUNGE  
 Building Number: 10  
 Staff Lounge exterior



**Photo 8**  
 Building Name: KINDERGARTEN  
 Building Number: 8  
 Preschool





**Photo 9**  
**Building Name: KINDERGARTEN**  
**Building Number: 9**  
 Building façade



**Photo 10**  
**Building Name: CLASSROOMS**  
**Building Number: 2**  
 Ramp up to the classroom spaces. Accessibility compliance should be verified.



**Photo 11**  
**Building Name: CLASSROOMS**  
**Building Number: 2**  
 Portable classroom buildings



**Photo 12**  
**Building Name: CLASSROOMS**  
**Building Number: 3**  
 Courtyard between classroom buildings



**Photo 13**  
**Building Name: CLASSROOMS**  
**Building Number: 3**  
 Courtyard between classroom buildings



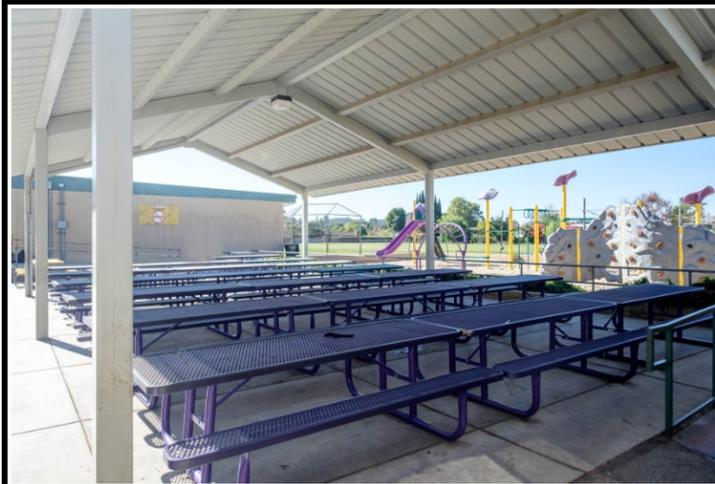
**Photo 14**  
**Building Name: STAFF LOUNGE / KINDERGARTEN**  
**Building Number: 9/10**  
 Space in between staff lounge and kindergarten building



**Photo 15**  
**Building Name: CLASSROOMS / CLASSROOMS / KINDERGARTEN**  
**Building Number: 4/7/9**  
 Courtyard between classroom buildings



**Photo 16**  
**Building Name: CLASSROOMS**  
**Building Number: 3/4/7**  
 Playground and classroom buildings



**Photo 17**  
**Building Name: LUNCH SHELTER**  
**Building Number: 12**  
Lunch shelter



**Photo 18**  
**Building Name: NA**  
**Building Number: NA**  
Playground



**Photo 19**  
**Building Name: CLASSROOMS**  
**Building Number: 6**  
Portable classroom buildings



**Photo 20**  
**Building Name: PRESCHOOL**  
**Building Number: 5**  
Professional development school building



**Photo 21**  
**Building Name: CLASSROOMS**  
**Building Number: 4**  
Physical science classroom



**Photo 22**  
**Building Name: CLASSROOMS**  
**Building Number: 4**  
Life science classroom



**Photo 23**  
**Building Name: MULTI-PURPOSE/ADMINISTRATION**  
**Building Number: 1**  
Multi-purpose Room



**Photo 24**  
**Building Name: MULTI-PURPOSE/ADMINISTRATION**  
**Building Number: 1**  
Food Service

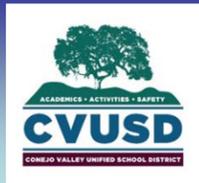
# ---- The ---- Environmental Academy of Research Technology & Earth Sciences



EARTH'S Magnet School for K-5 students, offers each student a challenging curriculum that is interwoven with environmental science and technology. We offer a diverse, content-rich, hands-on, engaging curriculum that provides students with unique opportunities through its integrated inquiry-based science curriculum, which utilizes the Exploration Center and bio labs, as well as an innovative outdoor learning program.

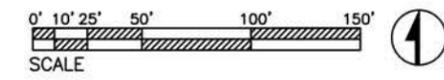
EARTH'S promotes learning as an integrated, interdisciplinary process rather than as a series of isolated subjects. The focus is

on the earth, technology, life and physical sciences, providing students with an opportunity to learn through active engagement and in-depth science exposure. By delving more deeply into subjects with a cross-curricular approach using science and technology as a unifying theme for exploration, EARTH'S helps students acquire the tools of inquiry and expression. Each student can construct a personally meaningful understanding of the world and become an imaginative, independent thinker. This approach, coupled with service learning opportunities, a strong presence of parents, and our community partners, creates an environment where students develop a capacity for service learning, cooperation, and responsibility.





EARTHS - LEGEND	
(25)	BUILDING NUMBER
	CERTIFICATION REQUIRED
	CERTIFIED STRUCTURES





## Site Challenges:

Site challenges at EARTH Magnet School include:

- Congestion during drop-off and pick-up times and adequate parking are made particularly challenging at this site due to the limited site access at the north perimeter only.
- Disparate building types due to additions of portable classroom buildings
- Lack of exterior lighting

## 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 and improve the functionality may include upgrades to the building finishes, addition of exterior lighting, and expansion of the covered walkways to connect all buildings. More efficient HVAC, plumbing and electrical systems are available today, and EARTH in particular could greatly benefit from these greener technologies not only for the potential operational cost-savings but also for the environmental teaching opportunities. 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.

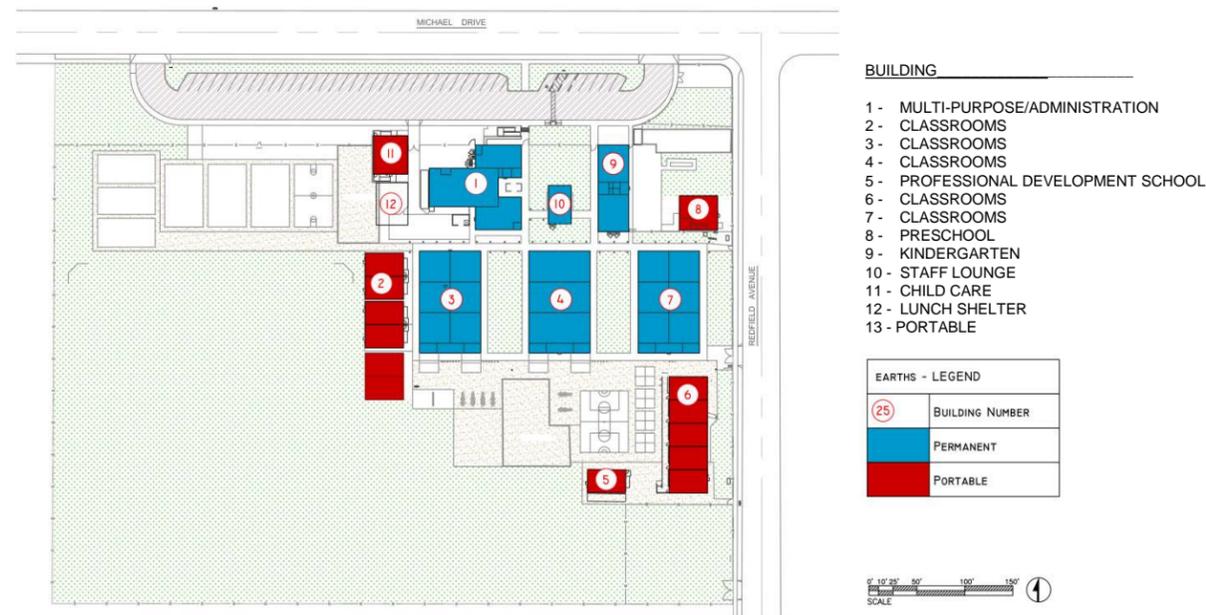




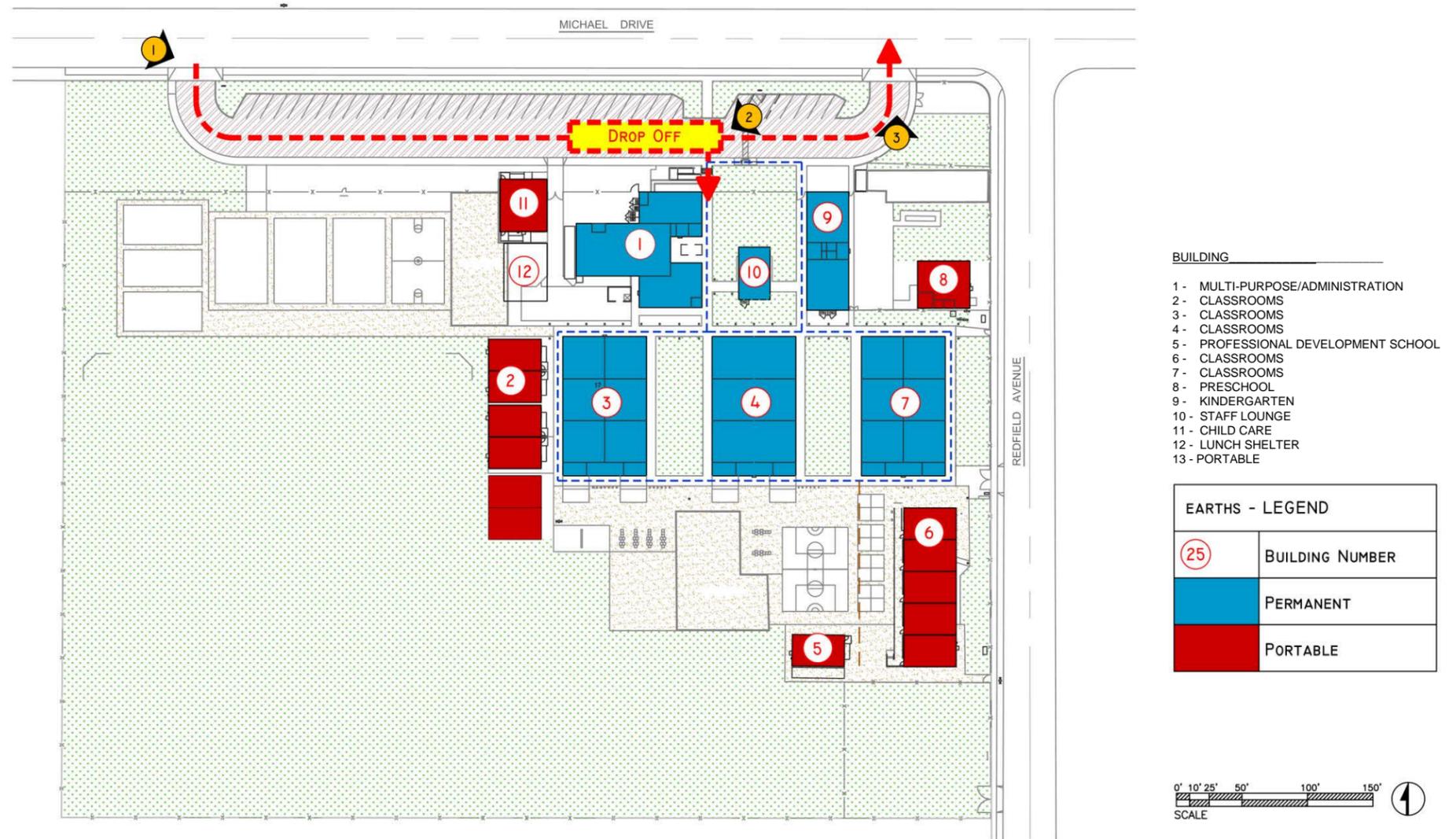
Image 1:  
Main entrance from Michael Drive



Image 2:  
Main drop-off area

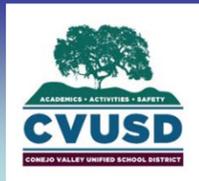


Image 3:  
Exit to Michael Drive



**Circulation Diagram**

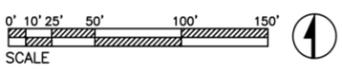
\* -Visually observed to be the accessible path of travel. Verification required.





**1** IMAGE KEY

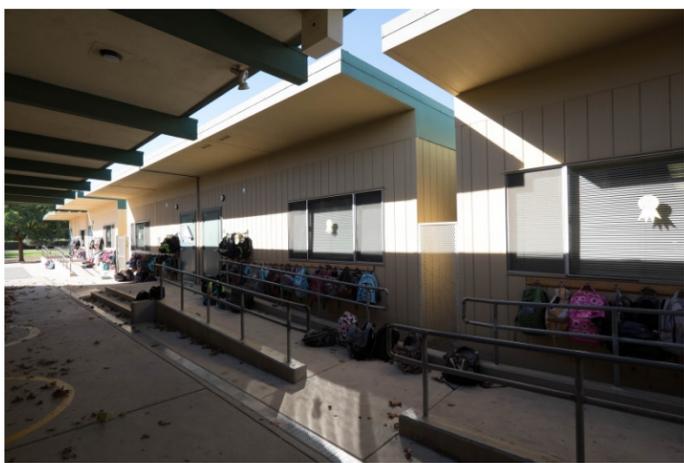
EARTHS - LEGEND	
(25)	BUILDING NUMBER
[Blue Box]	PERMANENT
[Red Box]	PORTABLE



**Image 1:**  
Handrails do not appear to be compliant with accessibility standards.



**Image 2:**  
Accessibility compliance of wheelchair lift should be verified.



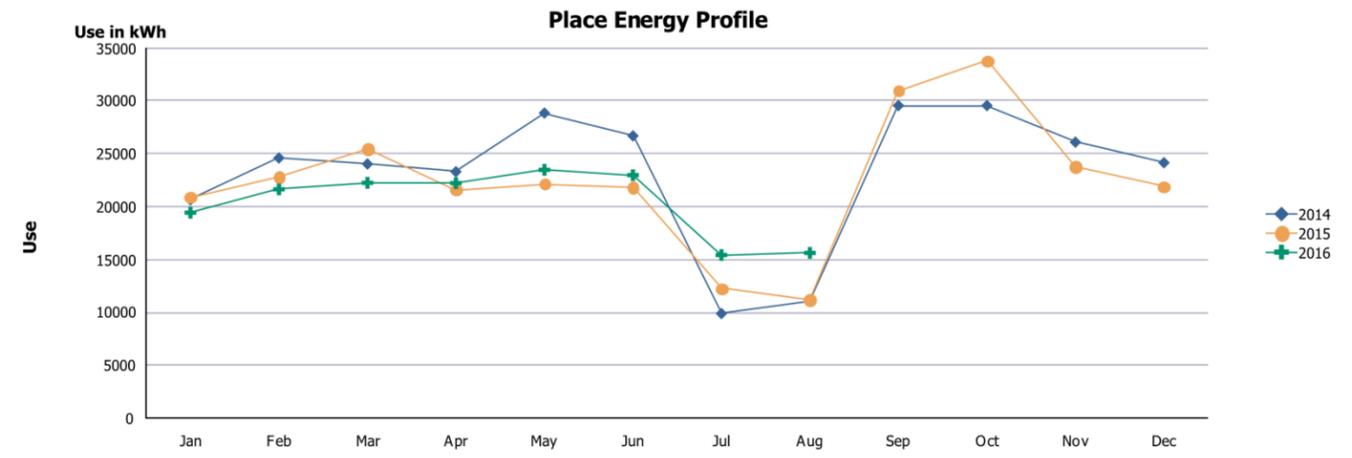
**Image 3:**  
Ramp up to the classroom spaces. Accessibility compliance should be verified.

# Energy Use Summary:

ANALYSIS PENDING

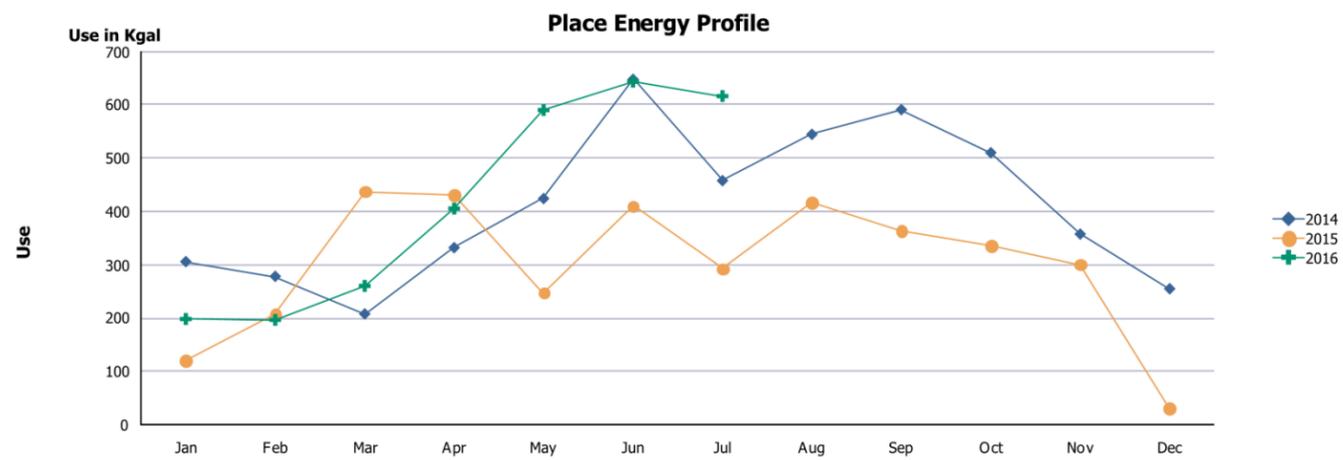
[MANZANITA_1] Manzanita						
Electric	15,627	KWH	\$4,793	\$3,116	\$1,677	35.0%
Natural Gas	2	THERM	\$41	\$16	\$25	60.1%
<b>Totals:</b>	<b>54</b>	<b>MMBTU</b>	<b>\$4,835</b>	<b>\$3,132</b>	<b>\$1,702</b>	<b>35.2%</b>

Place: [MANZANITA\_1] Manzanita



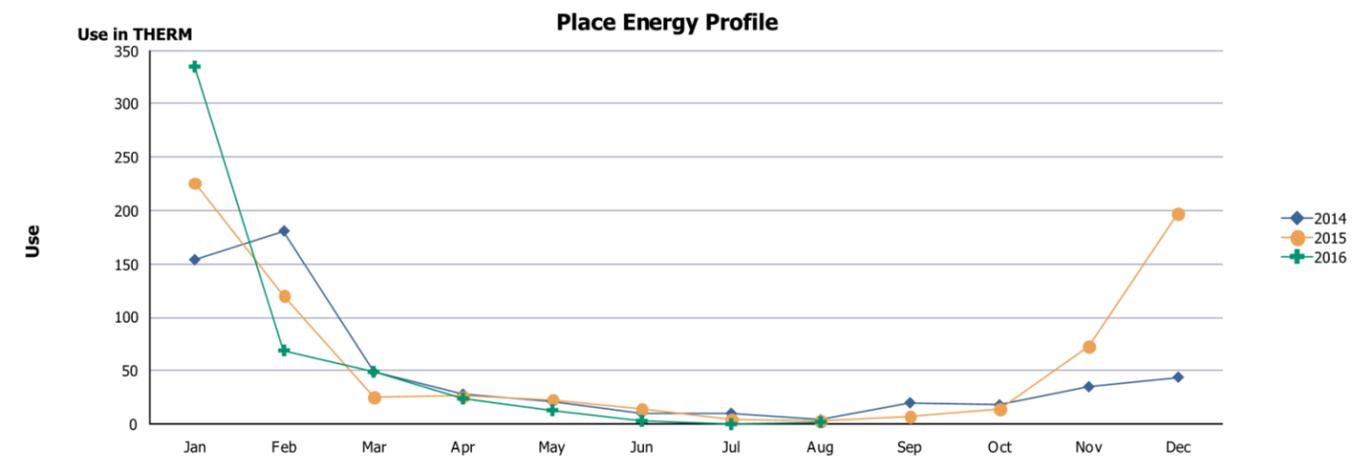
## Electrical:

Place: [MANZANITA\_1] Manzanita



Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
2014	306	278	208	332	424	648	458	545	591	510	358	255	4,913
2015	120	206	438	432	248	410	293	417	364	335	301	31	3,594
2016	198	197	260	405	590	643	616	0	0	0	0	0	2,911
<b>Totals</b>	<b>624</b>	<b>682</b>	<b>906</b>	<b>1,169</b>	<b>1,262</b>	<b>1,701</b>	<b>1,367</b>	<b>962</b>	<b>955</b>	<b>845</b>	<b>658</b>	<b>286</b>	<b>11,418</b>

Place: [MANZANITA\_1] Manzanita



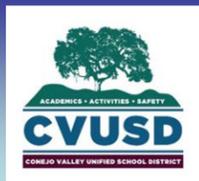
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
2014	154	181	49	28	21	10	10	4	20	18	35	44	574
2015	226	120	25	26	23	14	4	3	7	14	73	197	732
2016	335	69	49	24	13	3	0	2	0	0	0	0	495
<b>Totals</b>	<b>715</b>	<b>370</b>	<b>123</b>	<b>78</b>	<b>57</b>	<b>27</b>	<b>14</b>	<b>9</b>	<b>27</b>	<b>32</b>	<b>108</b>	<b>241</b>	<b>1,801</b>

## Water:

## Gas:

EARTHS Magnet School | Survey  
 2626 Michael Drive | Newbury Park, CA 91320  
 Conejo Valley Unified School District  
 December 16, 2016 DRAFT V3

## Energy Use



Core Facilities			
Item	Category	Existing Square Footage	Standard Square Footage Based on Planning 2- Semester Capacity
1	Food Prep & Serving Areas	1,214 Square Feet	1,640 Square Feet
2	Indoor Dining	0 Square Feet	2,160 Square Feet
3	Lunch Shelter	1,320 Square Feet	1,620 Square Feet
4	Multi Purpose/Assembly/Auditorium	2,881 Square Feet	3,660 Square Feet
5	Library	1,365 Square Feet	1,730 Square Feet
6	Administration	1,844 Square Feet ** (Office Square Footage)	1,840 Square Feet * (Office Square Footage)
7	Gymnasium Building	N/A	N/A
8	Playground	4.4 Acres	1.5 Acres
9	Parking	41 Stalls	55 Stalls

\*(Office Square Footage)

This calculation includes the Front Office/Main Office; Waiting Room/Space; Conference Room; Administrative Offices. \*\* This calculation includes the Staff Lounge in addition to the spaces listed above.

## Core Facilities Summary

### 1. Food Prep & Serving Areas

The size of the food preparation facilities are significantly smaller than Standard – approximately 60%.

### 2. Indoor Dining

There is no dedicated Indoor Dining space.

### 3. Lunch Shelter

The current lunch shelter is slightly undersized for the current school population.

### 4. Multi Purpose/Assembly/Auditorium

The Multi-Purpose Room is smaller than the Standard for the current student population. It is used for large gatherings and student performances.

### 5. Library

The Library occupies the equivalent of two classrooms in one of the original campus buildings. It serves the needs of the school.

### 6. Administration

The administration suite is slightly undersized, but adequate.

### 7. Gymnasium Building

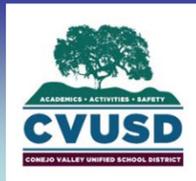
N/A

### 8. Playground

Hardscape and softscape play areas are more than amply sized for the current student population.

### 9. Parking

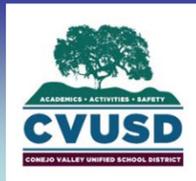
The current quantity of parking on site is about 75% of the typical for a school of this size and site personnel confirmed that there is not enough parking for both the staff and visitors.



# Technology Summary:

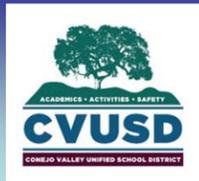
The network infrastructure backbone has been upgraded to meet current and future needs. Each building that has an IDF is connected to the MDF via 12 strands of single mode fiber. Every classroom has four CAT6 A cables in the ceiling along with two locations with CAT5 cables along the wall. All other instructional and office spaces have a newly installed CAT6 A cable in the ceiling. 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. A new CAT6 A horizontal cabling infrastructure is needed to replace the outdated CAT5 installation.

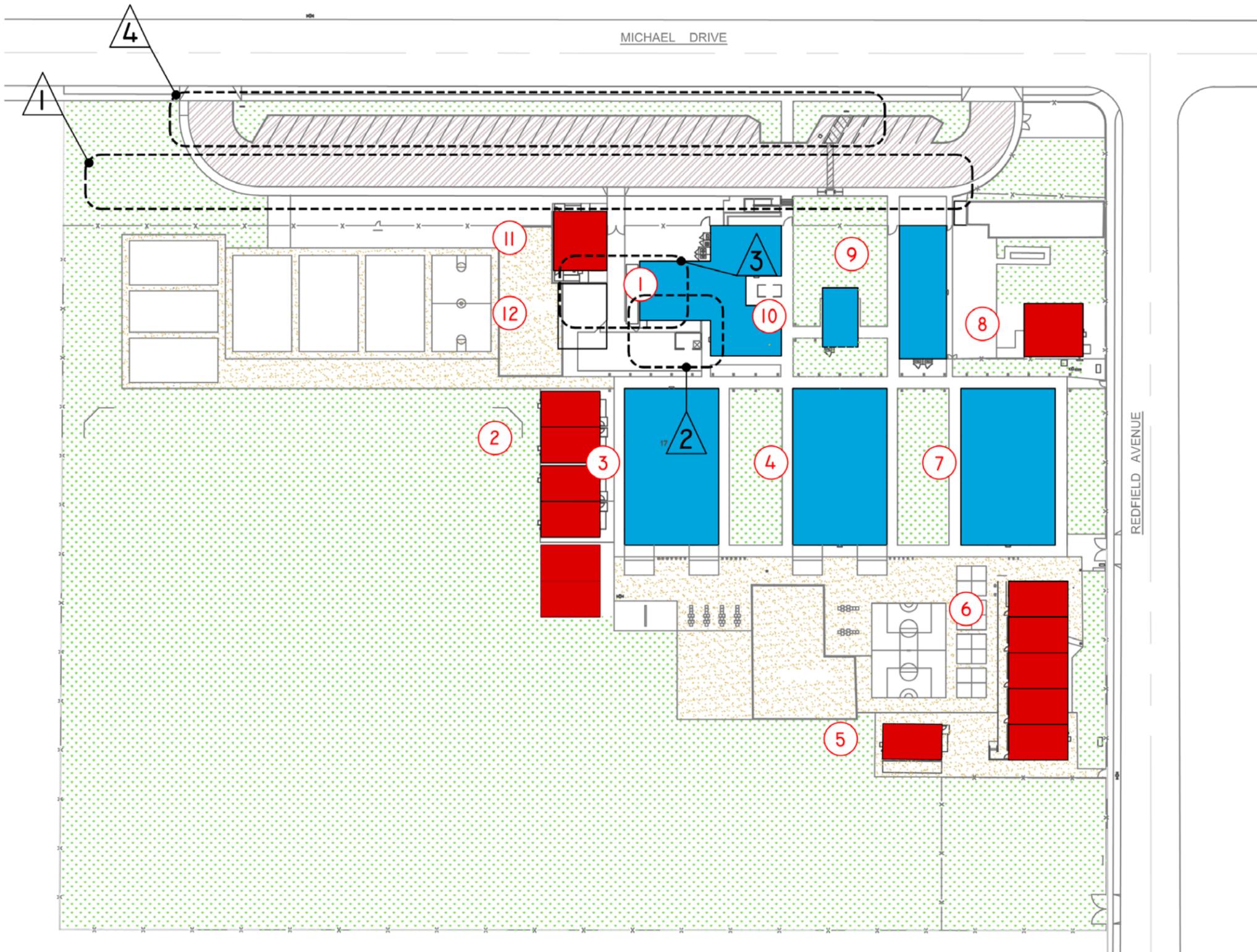
Room Name	Computer	Quantity	Projector Model	Smartboard Model	Printer Model	Document Reader	Other	Wireless AP	Network Switch	Remarks
Classroom	Dell latitude e6400	1	epson powerlite 97, Epson powerlite 585w	Promethean Activboard	Canon PC981, epson 2360dn	Avervision Cp130	Anthro Cart, 12 lenovo n22 Chromebooks	AeroHive	Juniper	
	dell opt760	1								
	dell opt745	6								
	dell opt760	1	epson powerlite 97, Epson powerlite 585w	Promethean Activboard	dell 2360dn	lumens dc162	Anthro Cart, 15 lenovo n22 Chromebooks	AeroHive	Juniper	
	dell opt745	6								
Classroom	Dell latitude e6400	1								
	dell opt760	1	epson powerlite 83+, epson powerlite 585w	Promethean Activboard	Epson Stylus Nx420	Avervision Cp130	8 Ipads	AeroHive		
	dell latitude e5510	1								
Classroom	dell opt745	8								
	dell opt760	1	epson powerlite 83+, epson powerlite 585w	Promethean Activboard	dell 2360dn	lumens dc162	12 lenovo n22 Chromebooks, 8 ipads	AeroHive		
	dell opt745	6								
Classroom	dell latitude e6420	1								
	dell opt760	1	epson powerlite 83+, epson powerlite 585w	Promethean Activboard	dell 2360dn	Avervision Cp130	Anthros cart, 8 ipads, 12 lenovo n22 Chromebooks	AeroHive	Juniper	
	dell inspiron 5520	1								
Classroom	dell opt745	6								
	dell opt760	1	epson powerlite 97, Epson powerlite 585w	Promethean Activboard	dell 2350dn, Hp Photosmart c4680	lumens dc162	Anthro Cart, 16 lenovo n22 Chromebooks	AeroHive	Juniper	
	dell opt745	5								
Classroom	Dell opt9020	1			Xerox phaser 3250			AeroHive		
	Lenovo M900	2								
	dell opt755	3								
Classroom	dell inspiron 5520	1	epson powerlite 83+	smartboard SB680	dell 2360dn	lumens dc162	Anthro Cart, 12 lenovo n22 Chromebooks	AeroHive	Juniper	
	dell opt780	6								
	dell opt760	1								
Classroom	dell opt760	1	epson powerlite 83+, epson powerlite 585w	smartboard SB680	dell 2360dn	lumens dc162	Anthro Cart, 12 lenovo n22 Chromebooks	AeroHive	Juniper	
	dell opt745	6								
	dell opt740	1								
	dell inspiron 5520	1								
Classroom	dell opt760	2	epson powerlite 83c	smartboard SB680	dell 2360dn	lumens dc162	Anthro Cart, 12 lenovo n22 Chromebooks	AeroHive	Juniper	
	dell opt745	2								
	dell opt780	3								
	dell inspiron 5520	1								
Classroom	dell opt745	6	epson powerlite 97	smartboard SB680	dell 2330dn	Hitevision	Anthro Cart, 12 lenovo n22 Chromebooks	AeroHive	Juniper	
	dell opt760	1								
Classroom	dell opt390	2			dell 2150cn			AeroHive		
	dell opt780	1								
	dell opt740	1								
	Lenovo M91p	1								
Classroom	dell opt780	4	Epson		dell 2350dn	lumens dc162		AeroHive		
	dell opt755	1								
	dell opt760	3								
Classroom	dell opt780	48	Dukane	smartboard SB680	dell 2360dn, Hp Color Laserjet 5550dn			AeroHive		
Classroom	dell latitude e5510	1	epson powerlite 84			lumens dc162		AeroHive		
Preschool	dell latitude e6400	1	Epson powerlite 53c		dell 2360dn	lumens dc162		AeroHive	Juniper	



# Technology Summary Continued:

Room Name	Computer	Quantity	Projector Model	Smartboard Model	Printer Model	Document Reader	Other	Wireless AP	Network Switch	Remarks
Classroom	dell opt745	6	epson 585w	smartboard SB6	dell 2360dn	lumens dc162	10 Ipad Air	AeroHive	Juniper	
	dell opt760									
	dell inspiron 5520									
Classroom	dell opt745	6	epson powerlite 83+	smartboard SB6	dell 2360dn	Elmo TT-02 RX		AeroHive	Juniper	
	Hp Sprout									
	dell latitude e6400									
	dell opt760									
Classroom	dell opt980	40	epson powerlite 97		xerox3320			AeroHive		
Classroom	dell opt745	6	epson 585w	smartboard SB6	dell 2360dn	qview qd700	10 Ipad Air	AeroHive	Juniper	
	dell opt760									
	dell inspiron 5520									
Classroom	dell opt745	4	epson 585w	smartboard SB6	dell 2330dn	lumens dc162		AeroHive	Juniper	
	dell opt780	2								
	dell opt760									
	dell inspiron 5520									
Classroom	dell opt760	1	epson powerlite 83+, Epson Powerlite 585w	smartboard SB6	dell 2330dn	lumens dc162	Anthro Cart	AeroHive	Juniper	
	dell inspiron 5520	1								
	Dell gx520	1								
	dell opt780	5								
Classroom	dell opt760	1	epson powerlite 83+, Epson Powerlite 585w	smartboard SB6	dell 2360dn	lumens dc162		AeroHive	Juniper	
	dell opt745	1								
	dell opt780	6								
	dell inspiron 5520	1								
Classroom	dell opt760	1	epson powerlite 83+, Epson Powerlite 585w	smartboard SB6	dell 2330dn	lumens dc162		AeroHive	Juniper	
	dell inspiron 5520	1								
	dell opt780	6								
	dell opt740	1								
Classroom	dell inspiron 5520	1	epson powerlite 83+, Epson Powerlite 585w	smartboard SB680	dell 2360dn	lumens dc162		AeroHive	Juniper	
	dell opt760	1								
	dell opt745	3								
	dell opt780	3								
Classroom	dell inspiron 5520	1	epson powerlite 83+, Epson Powerlite 585w	smartboard SB6	dell 2360dn	lumens dc162		AeroHive	Juniper	
	dell opt745	6								
	dell opt760	1								
Classroom	dell inspiron 5520	1	epson powerlite 83+, Epson Powerlite 585w	smartboard SB680	dell 2360dn, Hp Laserjet M1217nfw mfp	lumens dc162		AeroHive	Juniper	
	dell opt745	7								
Kindergarten	dell opt760	1	epson powerlite 83+	smartboard SB680	HP psc 2175			AeroHive	Juniper	
	dell inspiron 5520	1								
	dell opt780	5								
	dell opt745	1								
Kindergarten	dell opt760	1	epson powerlite 83+	smartboard SB680	Deskjet840c, Deskjet 895cse	Hovercam solo8		AeroHive		
	dell opt780	7								
	Generic Old Pentium 2	1								
	dell inspiron 5520	1								
Staff Lounge	Dell Opt380				Dell 5110cn, Dell 3130cn, Brother DCP8080					
	Dell latitude E5510	1	Epson Powerlite 4300					2 Aerohive		
	dell opt780	3			Hp Laserjet 4050, HP laserjet 1200, Dell c2665dnf			AeroHive		
	dell opt980	1								
					Ricoh Priport dx3343, Canon image runner advance 6255					
	dell opt780	1			Toshiba Estudio170f					





## KEY NOTES

-  **DROP-OFF & PICK-UP:** THE MOST SIGNIFICANT OPPORTUNITY FOR IMPROVEMENT INVOLVES ALLEVIATING THE TRAFFIC CONGESTION SURROUNDING STUDENT DROP-OFF AND PICK-UP AND INCREASING THE AVAILABLE PARKING ON SITE.
-  **FOOD PREP & SERVING AREAS:** THE SIZE OF THE FOOD PREPARATION FACILITIES ARE SIGNIFICANTLY SMALLER THAN STANDARD APPROXIMATELY 60%.
-  **MULTI-PURPOSE ROOM:** THE MULTI-PURPOSE ROOM IS SMALLER THAN THE STANDARD FOR THE CURRENT STUDENT POPULATION
-  **PARKING:** THE CURRENT QUANTITY OF PARKING ON SITE IS ABOUT 75% OF THE TYPICAL FOR A SCHOOL OF THIS SIZE AND SITE PERSONNEL CONFIRMED THAT THERE IS NOT ENOUGH PARKING FOR BOTH THE STAFF AND VISITORS.

EARTHS - LEGEND	
	BUILDING NUMBER
	PERMANENT
	PORTABLE

