



# Pleasanton Unified School District

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## Measure I1 Portable Replacement and High School Science Lab Project Updates Amador Valley HS & Foothill HS

Board of Trustees  
Tuesday, October 23, 2018  
Item #12.6



# Presentation Items

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1. Process & Timeline
2. Amador Valley High School
3. Foothill High School
4. Cost and Schedule Update
5. Next Steps



# Section 1

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## Process & Timeline



# Process & Timeline

July 7, 2016	Board approved bond project list (Item 4ci) - Build, Modernize, and Upgrade Existing School Buildings and Classrooms
November 8, 2016	Measure I1 was passed by Pleasanton voters.
June 27, 2017	Board reviewed a list of projects that would be funded from the first issuance of bond funds which included \$11.5M for modernization projects.
August 8, 2017	Board approved the first bond issuance.
October 2017	First issuance funds were received.
January 29, 2018	The Facilities Master Plan (FMP) Committee agreed on a recommendation to spend the \$11.5M of the first issuance of which \$10M was allocated to replace leased portable classrooms at Amador Valley High School (10 leased portables) and Foothill High School (6 leased portables).
May 22, 2018	BOT approved HKIT Architects as the Architect.



# Process & Timeline

September 5, 2018	<p>The Board Facilities Sub-Committee (FSC) meeting was held to review the design options for the new Portable Classrooms at Amador Valley HS and Foothill HS. After review of the options, FSC recommended to include the Science Labs for 3 main reasons:</p> <ol style="list-style-type: none"> <li>1. Cost Savings (Economies of scale &amp; Escalation)</li> <li>2. Minimize disruption of school campuses due to construction activities.</li> <li>3. Limited options for location of new buildings.</li> </ol>
September 14, 2018	<p>1<sup>st</sup> Programming Meeting was held with HKIT, FHS Admin and Staff to discuss the programming needs. CTE stated they would submit a Grant Application to supplement the costs of the new classrooms. Grant application was due October 19, 2018.</p>
September 20, 2018	<p>2<sup>nd</sup> Programming Meeting was held with HKIT, FHS Admin and Staff to review design options that include the Science Classrooms. Design option was selected for Foothill HS.</p>
September 24, 2018	<p>2<sup>nd</sup> Programming Meeting was held with AVHS' Admin Staff to review design options that include the Science Classrooms. Design option was selected for Amador Valley HS.</p>
October 9, 2018	<p>CTE received Board approval at the Board of Trustees meeting, item #12.3, for the Career Technical Education Facilities Program (CTEFP) Grant Application for Foothill HS for the CTE Plaza and Building.</p>
October 23, 2018 (Tonight)	<p>Report, Discussion, and Possible Approval to approve moving up the High School Science Classroom funds from Measure I1 from Issuance C in 2022 to Issuance B in 2019.</p>

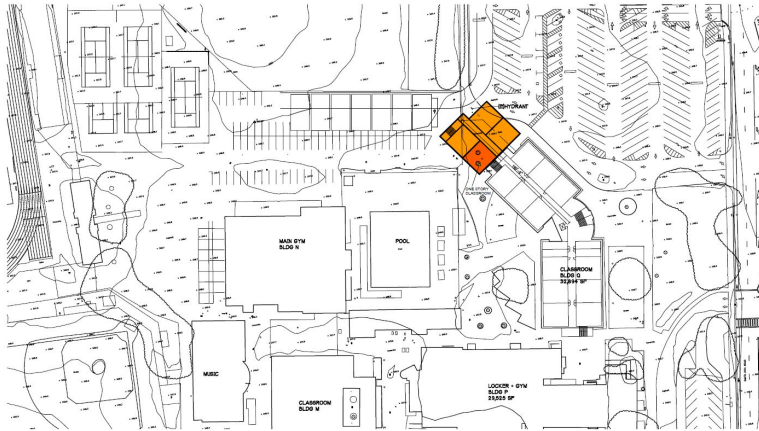
# Amador Valley High School



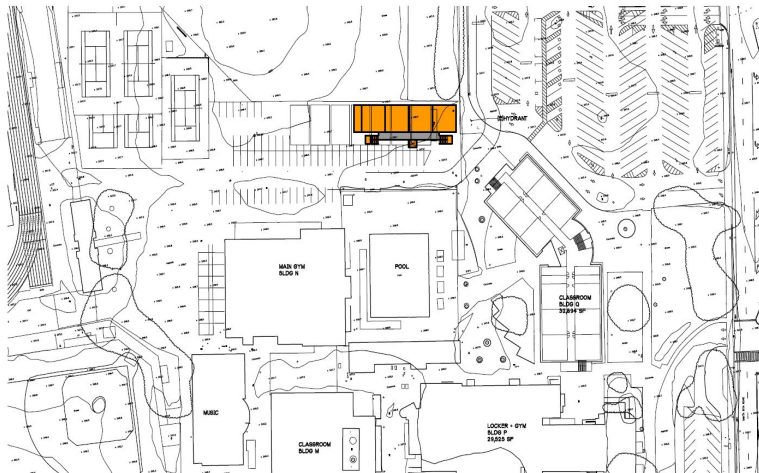


# Amador Valley High School

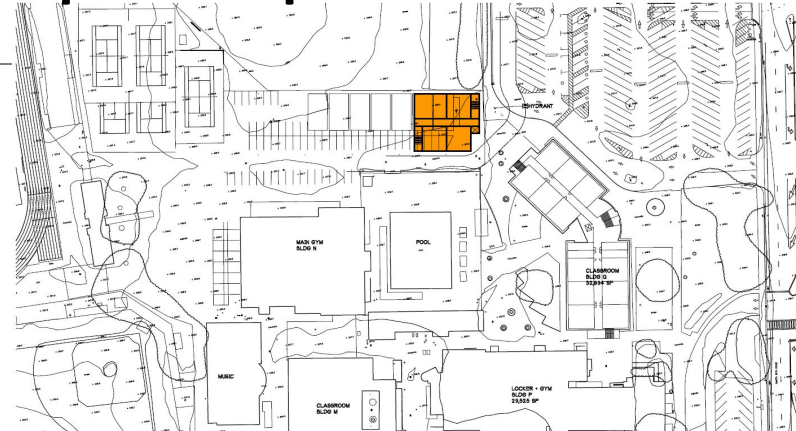
## Front of Campus Options



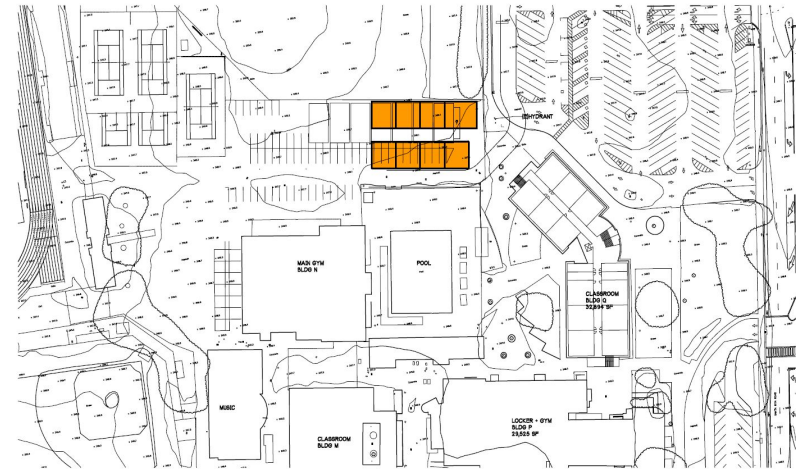
**HKIT**ARCHITECTS  
AMADOR VALLEY HIGH SCHOOL  
PLEASANTON, CA  
OPTION 1A  
SCALE: 1"=60'-0" • DATE: 7/12/2018



**HKIT**ARCHITECTS  
AMADOR VALLEY HIGH SCHOOL  
PLEASANTON, CA  
OPTION 2  
SCALE: 1"=60'-0" • DATE: 7/12/2018



**HKIT**ARCHITECTS  
AMADOR VALLEY HIGH SCHOOL  
PLEASANTON, CA  
OPTION 1B  
SCALE: 1"=60'-0" • DATE: 7/12/2018



**HKIT**ARCHITECTS  
AMADOR VALLEY HIGH SCHOOL  
PLEASANTON, CA  
OPTION 3  
SCALE: 1"=60'-0" • DATE: 7/12/2018



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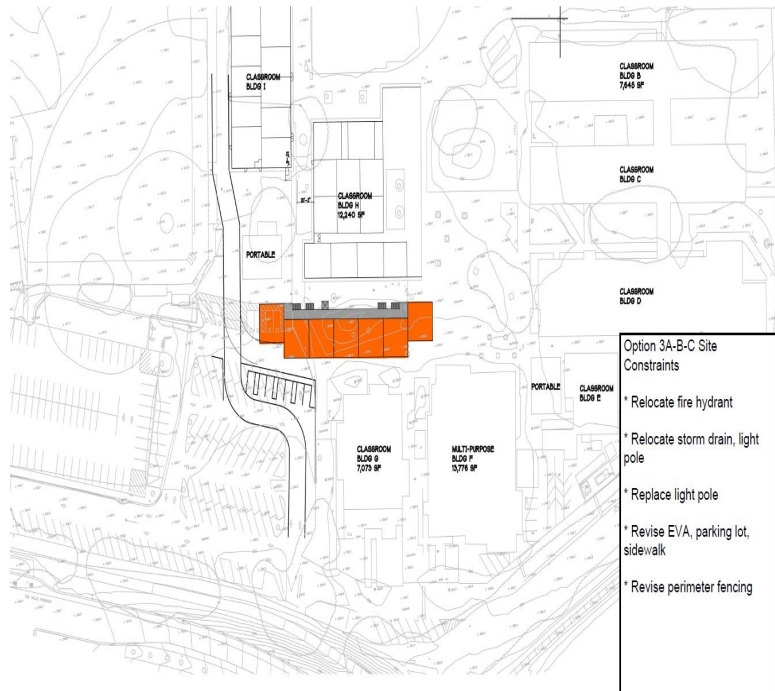
Site plan of the proposed school building layout. The plan shows various rooms including Classrooms (SLO 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100), Media Center (SLO J), Adm. (SLO A & SLO B), Portables, and a Multi-Purpose room. The plan also shows parking areas, landscaping, and a north arrow.





# Amador Valley High School

## Final Recommendation – Option 3B/3C

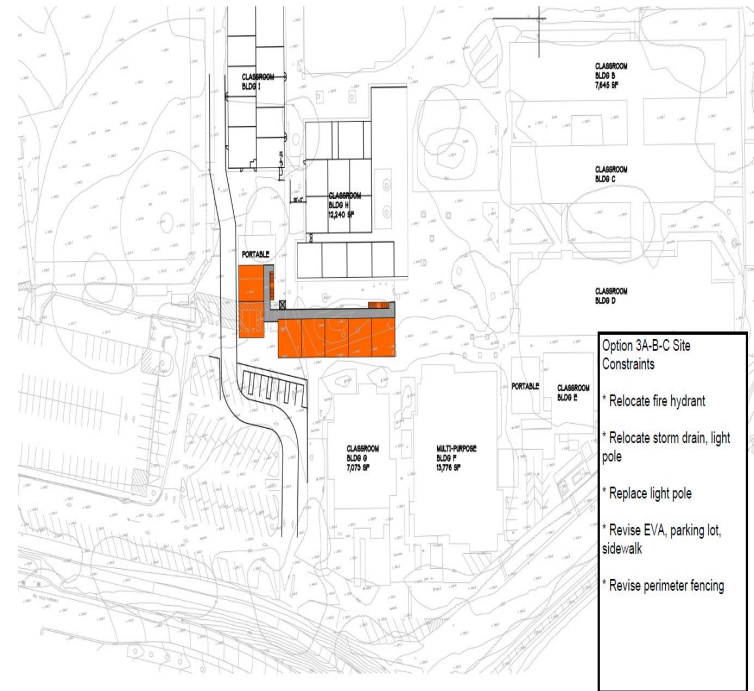


HKIT ARCHITECTS

AMADOR VALLEY HIGH SCHOOL  
PLEASANTON, CA

OPTION 3-B

SCALE: 1"=60'-0" • DATE: 8/30/2018



HKIT ARCHITECTS

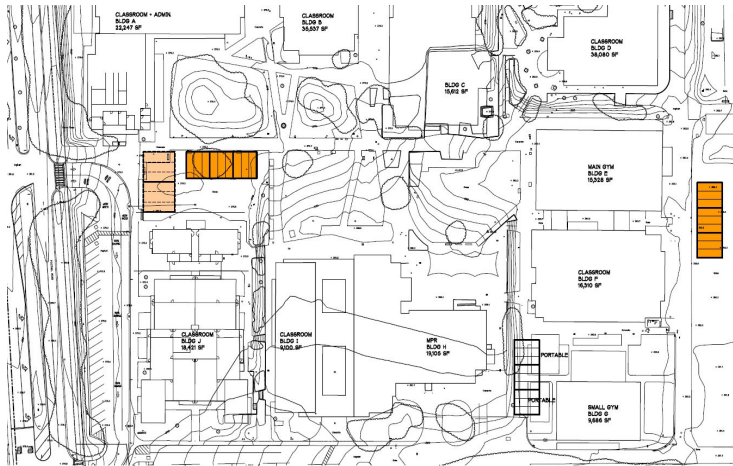
AMADOR VALLEY HIGH SCHOOL  
PLEASANTON, CA

OPTION 3-C

SCALE: 1"=60'-0" • DATE: 8/30/2018

# Section 3

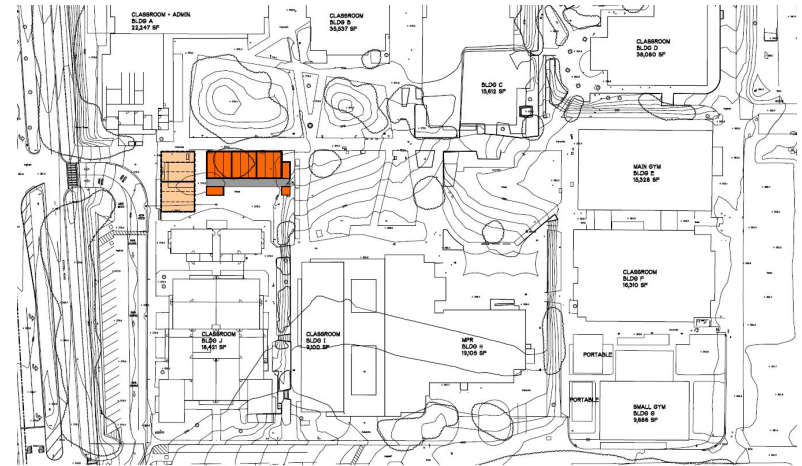
## Foothill High School



HKIT ARCHITECTS

FOOTHILL HIGH SCHOOL  
PLEASANTON, CA

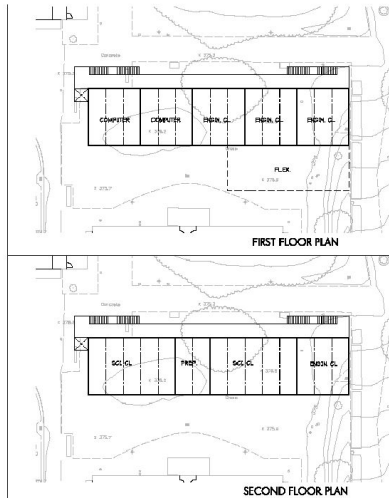
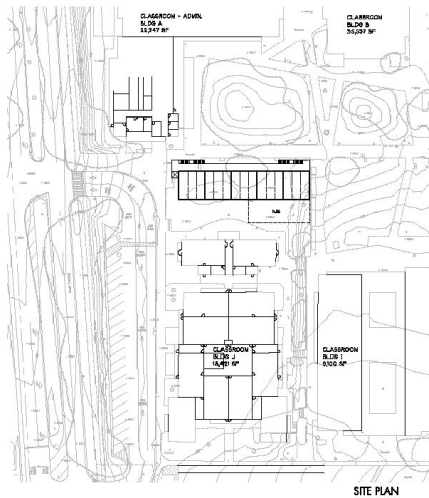
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HKIT ARCHITECTS

FOOTHILL HIGH SCHOOL  
PLEASANTON, CA

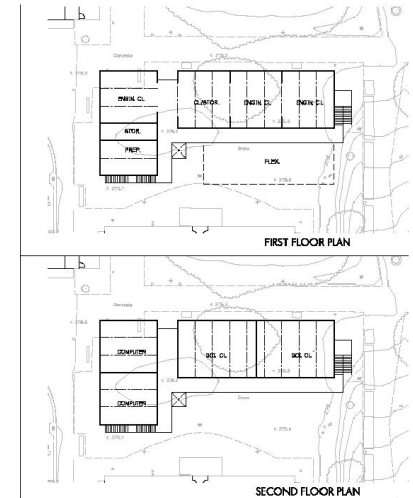
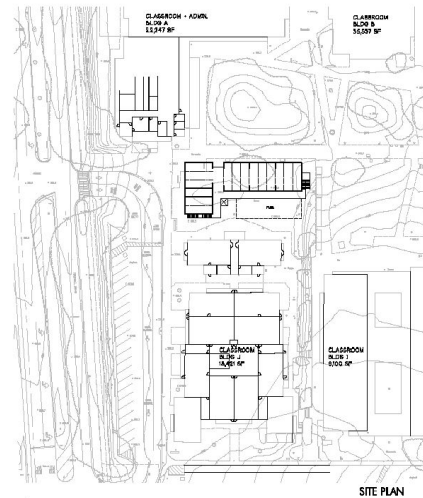
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HKIT ARCHITECTS

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PLEASANTON, CA

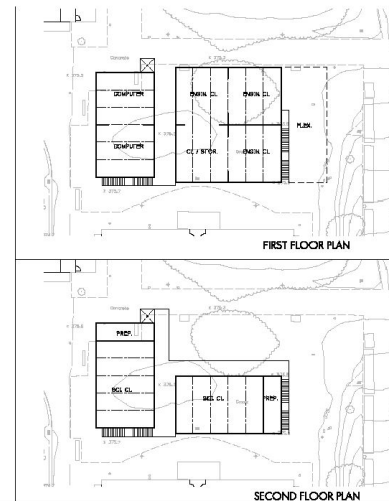
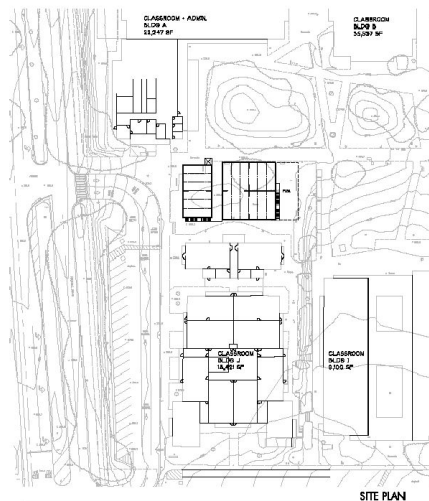
OPTION 1  
● DATE: 9/21/2018



HKIT ARCHITECTS

FOOTHILL HIGH SCHOOL  
PLEASANTON, CA

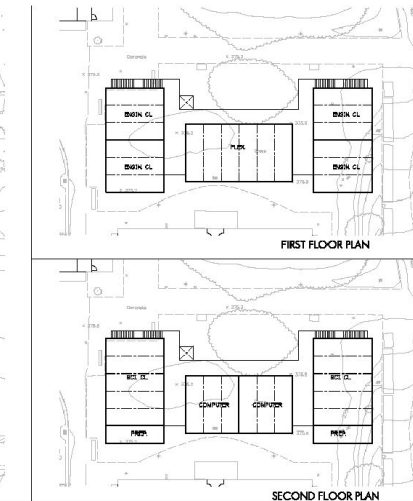
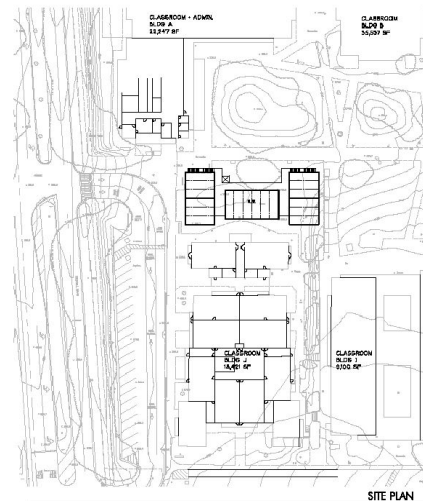
OPTION 2A  
● DATE: 9/21/2018



HKIT ARCHITECTS

FOOTHILL HIGH SCHOOL  
PLEASANTON, CA

OPTION 3A  
● DATE: 9/21/2018



HKIT ARCHITECTS

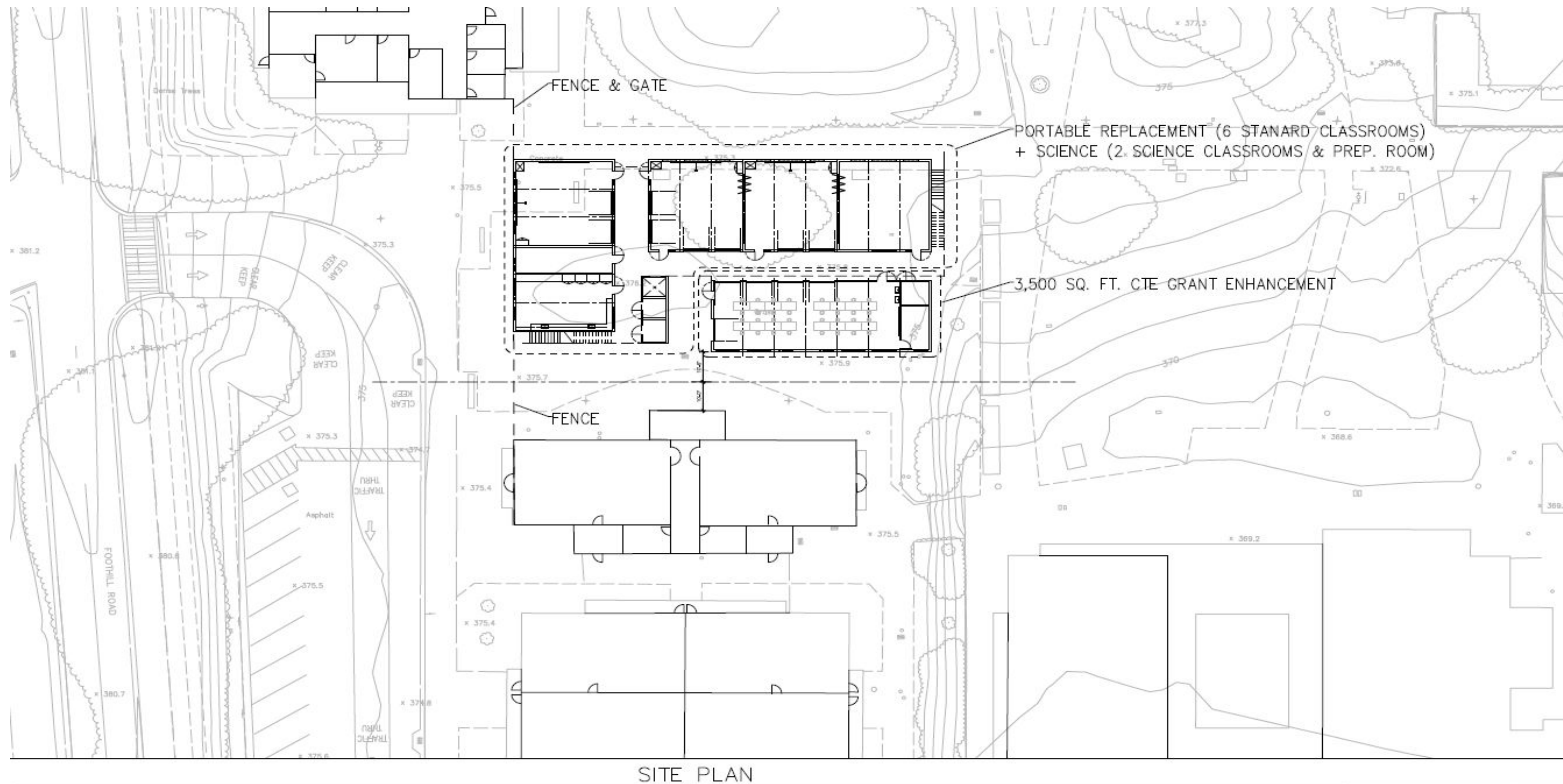
FOOTHILL HIGH SCHOOL  
PLEASANTON, CA

OPTION 4A  
● DATE: 9/21/2018



# Foothill High School

## Final Recommendation – Option 2A



FOOTHILL HIGH SCHOOL  
PLEASANTON, CA

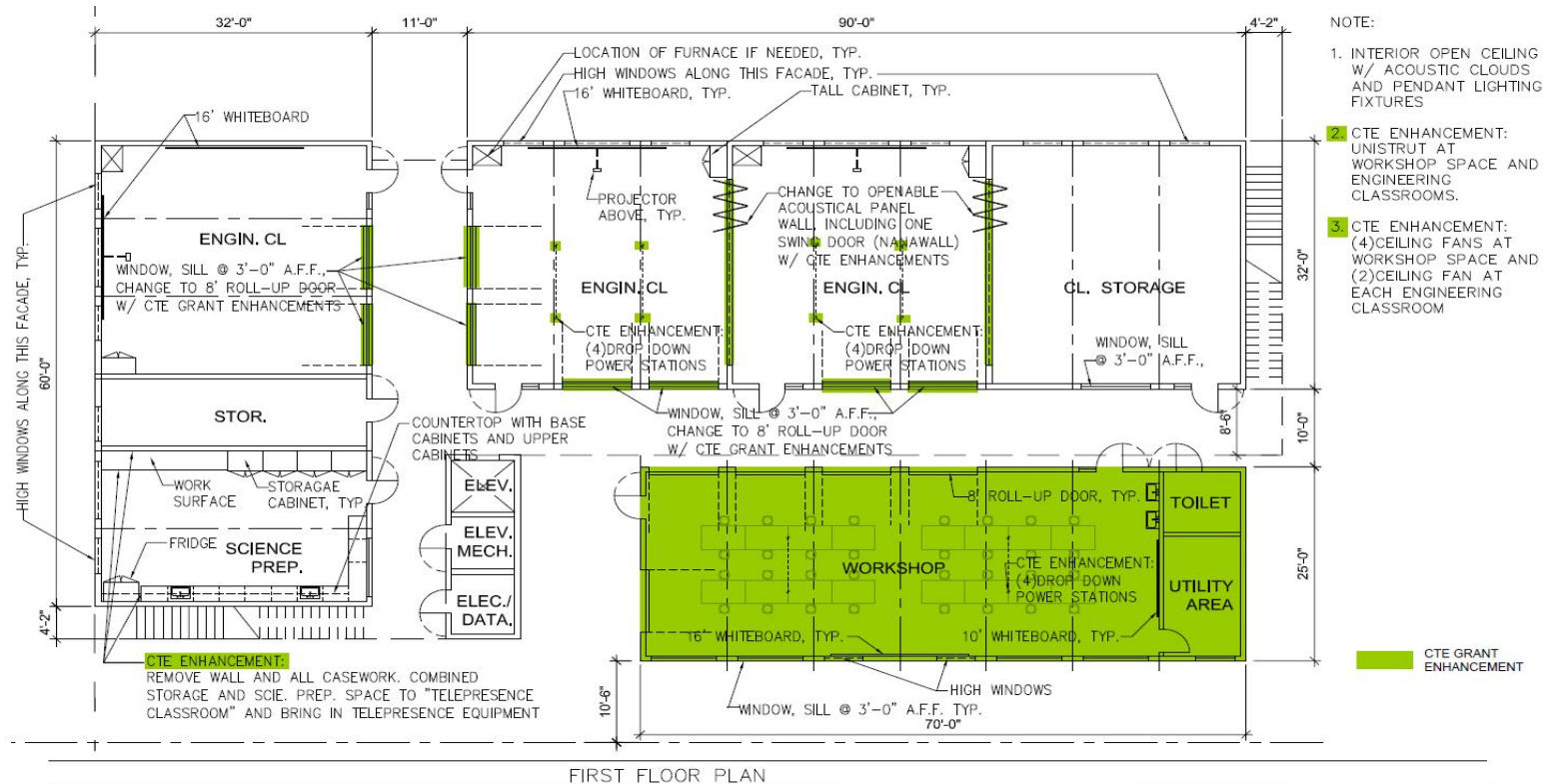
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# Foothill High School

## CTE Grant Enhancement (Conceptual) – 1<sup>st</sup> Floor



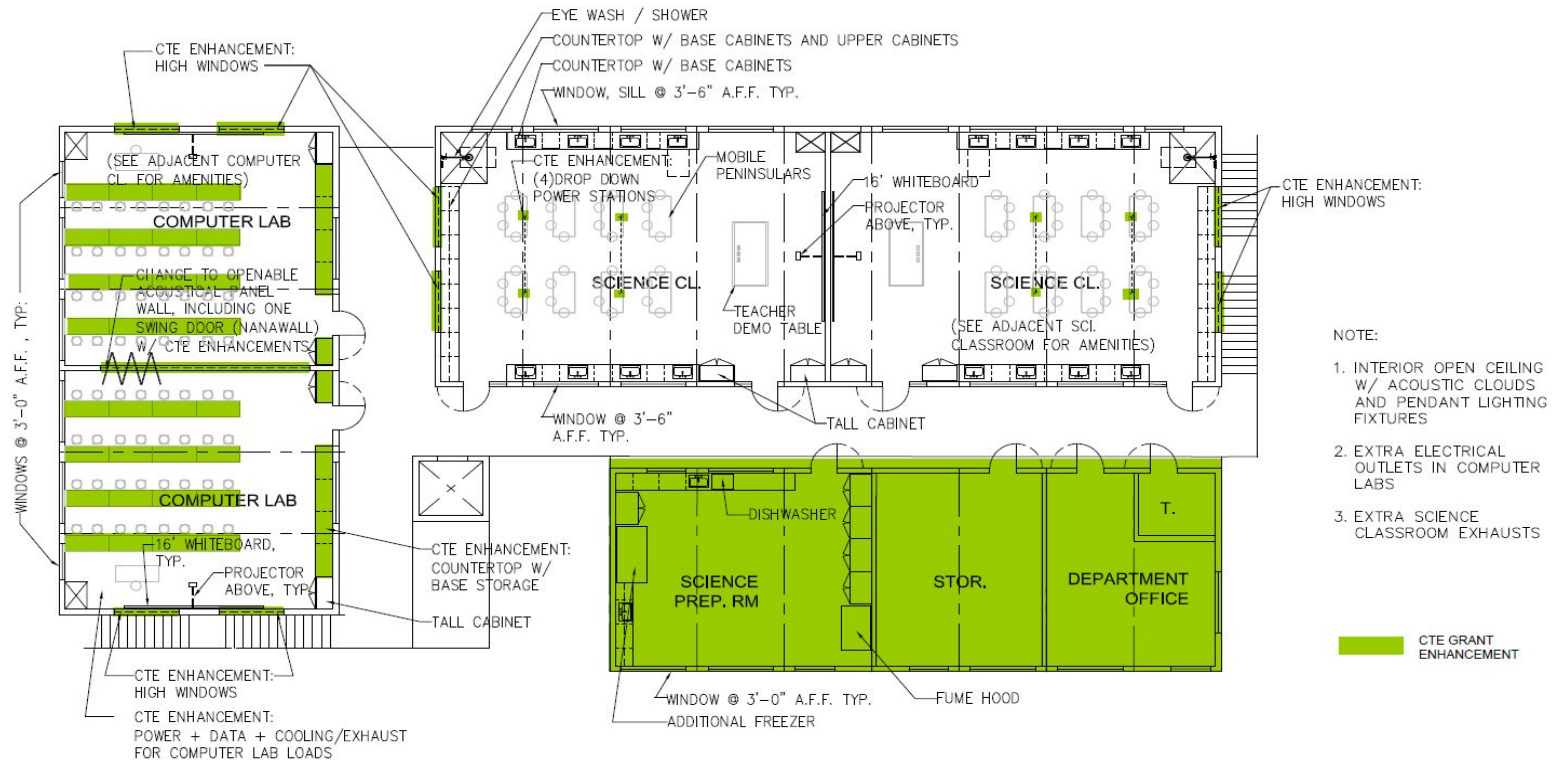
FOOTHILL HIGH SCHOOL  
PLEASANTON, CA

OPTION 2A  
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# Foothill High School

## CTE Grant Enhancement (Conceptual) – 2<sup>nd</sup> Floor



SECOND FLOOR PLAN



FOOTHILL HIGH SCHOOL  
PLEASANTON, CA

OPTION 2A  
SCALE:  $\frac{3}{32}$ " = 1'-0" • DATE: 10/05/2018





# Section 4

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## Cost and Schedule Update



# Cost Update

## Pleasanton USD Master Plan Measure I1 Bond Issuance Schedule

		2017 Issuance A	2019 Issuance B	2022 Issuance C	2024 Issuance D	Total Per Category
1	<b>Safety and Security</b>					
1a	Upgrade Fire Alarm Systems		\$5,645,192	\$5,645,192	\$5,645,192	\$16,935,577
1b	Install Site Fencing	\$1,500,000	\$1,898,242	\$1,898,242	\$1,898,242	\$7,194,727
1c	Install Video Cameras (Main Areas)		\$689,963	\$689,963	\$689,963	\$2,069,890
1d	Implement VOIP Phones, Etc.		\$6,727,259			\$6,727,259
1e	Install Exterior Lighting Upgrades					\$0
1f	Upgrade Security System		\$4,398,811	\$4,398,811	\$4,398,811	\$13,196,434
2	<b>21st Century Learning Environments</b>					
2c	Provide Classroom Technology	\$3,700,000	\$8,448,363	\$1,700,000	\$900,000	\$14,748,363
2f	Replace and Upgrade District Telecomm.	\$9,550,000	\$603,508			\$10,153,508
2a	Upgrade Electrical Service					\$0
2b	Upgrade HVAC		\$2,831,334	\$14,881,753	\$27,412,699	\$45,125,786
2d	Middle School Science Labs		\$8,872,788	\$2,535,082		\$11,407,870
2e	High School Science Labs			\$5,783,743		\$5,783,743
3	<b>Energy and Water Efficiencies</b>					
3a	Safety and Security		\$300,000			\$300,000
3b	Install Water Efficient Toilets and Fountains					\$0
4	<b>Modernizations, Renovations, Replacements</b>					
4a	Address Capacity (K-8 Options)	\$1,000,000	\$24,000,000	\$10,000,000		\$35,000,000
4ci	Replace Portable	\$10,000,000	\$3,805,018	\$3,805,018		\$17,610,035
4b	Roofing Repairs		\$2,492,723	\$13,101,987	\$23,882,097	\$39,476,807
4cii	Lydiksen Elementary School Project	\$30,000,000				\$30,000,000
4d	Payoff Certificates of Participation	\$14,270,000				\$14,270,000
	<b>Total Per Issuance</b>	<b>\$70,020,000</b>	<b>\$70,713,202</b>	<b>\$64,439,792</b>	<b>\$64,827,005</b>	<b>\$270,000,000</b>



# Cost Update

## Pleasanton USD Master Plan Measure I1 Bond Issuance Schedule

		2017 Issuance A	2019 Issuance B	2022 Issuance C	2024 Issuance D	Total Per Category
<b>1</b>	<b>Safety and Security</b>					
1a	Upgrade Fire Alarm Systems		\$5,645,192	\$5,645,192	\$5,645,192	\$16,935,577
1b	Install Site Fencing	\$1,500,000	\$1,898,242	\$1,898,242	\$1,898,242	\$7,194,727
1c	Install Video Cameras (Main Areas)		\$689,963	\$689,963	\$689,963	\$2,069,890
1d	Implement VOIP Phones, Etc.		\$6,727,259			\$6,727,259
1e	Install Exterior Lighting Upgrades					\$0
1f	Upgrade Security System		\$4,398,811	\$4,398,811	\$4,398,811	\$13,196,434
<b>2</b>	<b>21st Century Learning Environments</b>					
2c	Provide Classroom Technology	\$3,700,000	\$8,448,363	\$1,700,000	\$900,000	\$14,748,363
2f	Replace and Upgrade District Telecomm.	\$9,550,000	\$603,508			\$10,153,508
2a	Upgrade Electrical Service					\$0
2b	Upgrade HVAC		\$2,831,334	\$14,881,753	\$27,412,699	\$45,125,786
2d	Middle School Science Labs		\$8,872,788	\$2,535,082		\$11,407,870
2e	High School Science Labs		\$5,783,743			\$5,783,743
<b>3</b>	<b>Energy and Water Efficiencies</b>					
3a	Install Solar Structures		\$300,000			\$300,000
3b	Install Water Efficient Toilets and Fountains					\$0
<b>4</b>	<b>Modernizations, Renovations, Replacements</b>					
4a	Address Capacity (K-8 Options)	\$1,000,000	\$24,000,000	\$10,000,000		\$35,000,000
4ci	Replace Portable	\$10,000,000	\$3,805,018	\$3,805,018		\$17,610,035
4b	Roofing Repairs		\$2,492,723	\$13,101,987	\$23,882,097	\$39,476,807
4cii	Lydiksen Elementary School Project	\$30,000,000				\$30,000,000
4d	Payoff Certificates of Participation	\$14,270,000				\$14,270,000
	<b>Total Per Issuance</b>	<b>\$70,020,000</b>	<b>\$76,496,945</b>	<b>\$58,656,049</b>	<b>\$64,827,005</b>	<b>\$270,000,000</b>



# Schedule Update Foothill High School

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## Estimated Project Schedule for Site Work

DSA Submittal	December 2018 / January 2019
Board Approval / Bidding	Spring 2019
Targeted Construction Start Date	Fall 2019

## Estimated Project Schedule for Modular Buildings

Board Approval / Bidding	January / February 2019
DSA Submittal	Summer 2019
Off Site Fabrication	Winter 2020
Targeted Construction Start Date	Summer 2020



# Schedule Update Amador Valley High School

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## Estimated Project Schedule for Site Work

DSA Submittal	Spring 2019
Board Approval / Bidding	Fall 2019
Targeted Construction Start Date	Summer 2020

## Estimated Project Schedule for Modular Buildings

Board Approval / Bidding	Spring 2019
DSA Submittal	Fall 2019
Off Site Fabrication	Winter 2020
Targeted Construction Start Date	Spring 2021



# Potential Cost Savings

**PUSD HS Portable Replacement Projects**  
 Pleasanton, California  
 Rough Order of Magnitude Rev1

Project # 18-01023.00  
 09/28/18

## SUMMARY

Element	Area	Cost / SF	Total
<b>Amador</b>			
Typical High School - Base Plus Science	3,400	\$770.26	\$2,618,887
Typical High School - Future Science	3,400	\$1,144.71	\$3,892,000
<b>Total Additional Estimated Construction Cost</b>	<b>3,400</b>	<b>\$374.44</b>	<b>\$1,273,113</b>
<b>Foothill</b>			
Typical High School - Base Plus Science	3,400	\$770.26	\$2,618,887
Typical High School - Future Science	3,400	\$1,144.71	\$3,892,000
<b>Total Additional Estimated Construction Cost</b>	<b>3,400</b>	<b>\$374.44</b>	<b>\$1,273,113</b>

**NOTE: Cost Estimate provided to PUSD by HKIT Architects and Cumming Cost Estimators.**





# Positive Impacts of Combining the Portable Replacement and Science Classroom Projects

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- Savings on construction costs of approximately \$1.2 million per campus for a total savings of \$2.4 million
  - Savings due to avoided escalation costs
  - Savings due to economies of scale
- Minimized campus disruption due to construction
- Minimized overall construction time on campus
- Reserves options for possible future projects
- Students have access to building sooner
- Better building layout for the programs
- Showcase project for Measure I1 Bond



# Section 5

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## Next Steps



# Next Steps

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Pending Board of Trustees approval moving the High School Science issuance from 2022 to 2019 and combining the project with the High School Portable Replacement Project staff will:

1. Continue design of Portable Replacement with Science Labs as one (1) Project at Amador Valley HS and Foothill HS.
2. Update Contract Agreement with HKIT for additional added Scope of Services. (Approximately \$184K, a savings of \$79K) (Attachment B).
3. Start in-depth Programming Phase at Amador Valley HS.



# Thank You

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