



# Villa Park High School Science Center

Orange Unified School District



# LPA

Board Presentation  
January 18, 2018

# agenda

- 01 Updated Project Scope
- 02 Science Center Design Review
- 03 Value Engineering Strategies
- 04 Updated Budget
- 05 Updated Schedule
- 06 Q & A



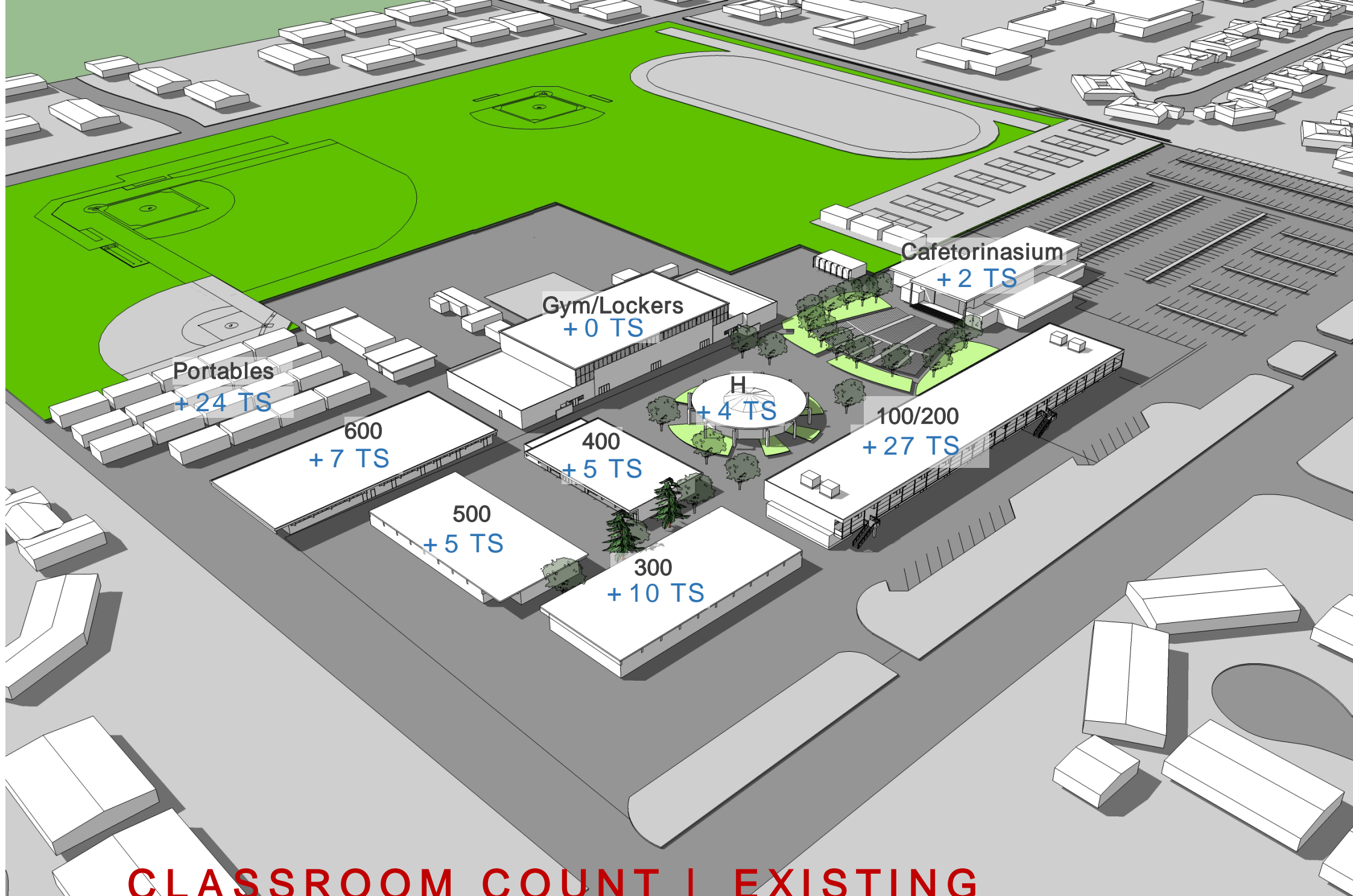
# objectives

Build Science Center with 12 Labs, 2 Multi-purpose Classrooms and Medically Fragile Facility Suite

Create a Southern California 'Science' Landscape that Promotes Teaching as an Enhancement to the Existing Quad

Address Aging Utility Infrastructure





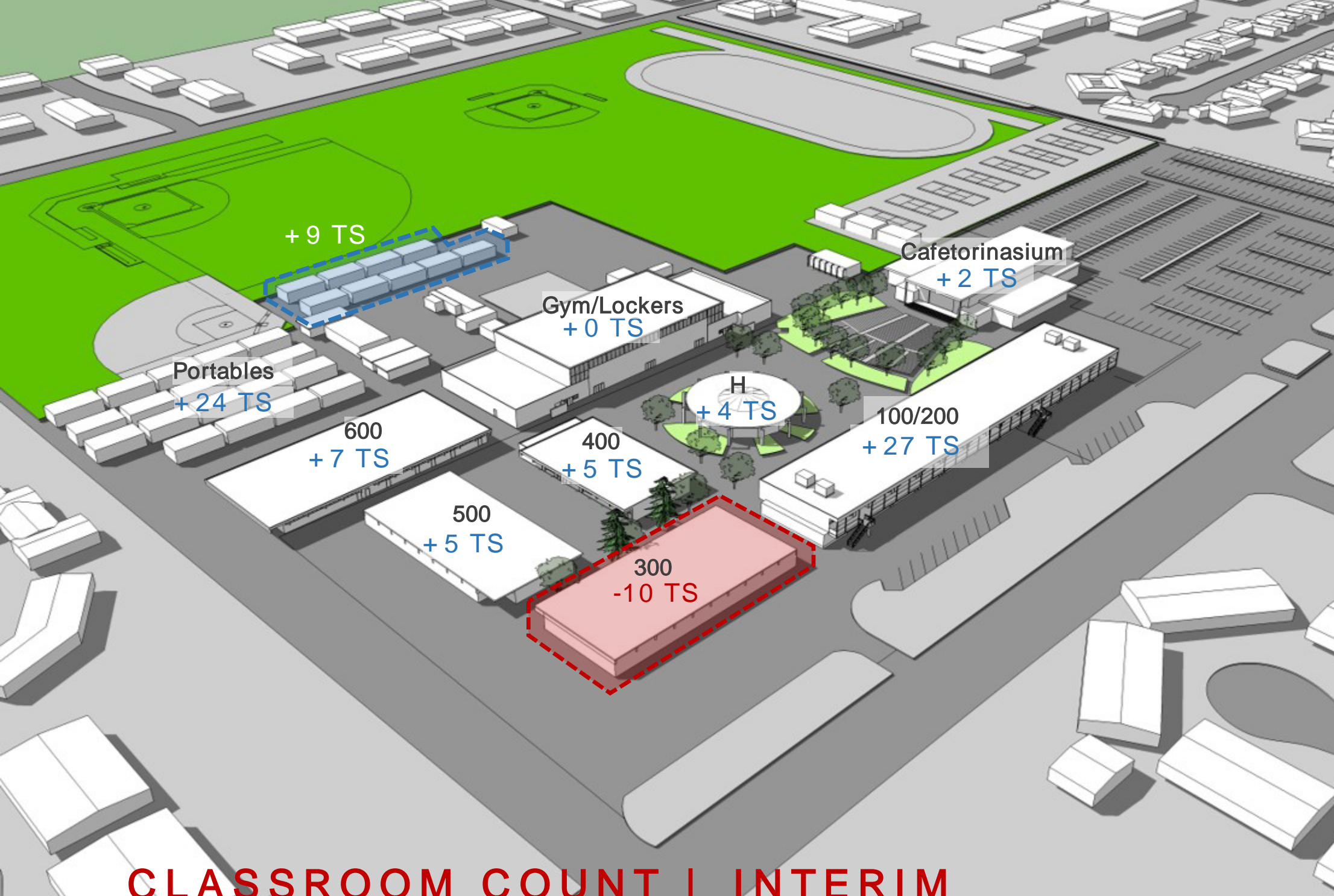
Building	# Teaching Stations
Bldg 100/200	+ 27
Bldg 300	+ 10
Bldg 400	+ 5
Bldg 500	+ 5
Bldg 600	+ 7
Bldg H	+ 4
Gym/Locker Bldg	+ 0
Cafetorinasium	+ 2
<b>Subtotal</b>	<b>60 TS</b>
Portables	+ 24
<b>Total</b>	<b>84 TS</b>

# CLASSROOM COUNT | EXISTING

## VILLA PARK HIGH SCHOOL







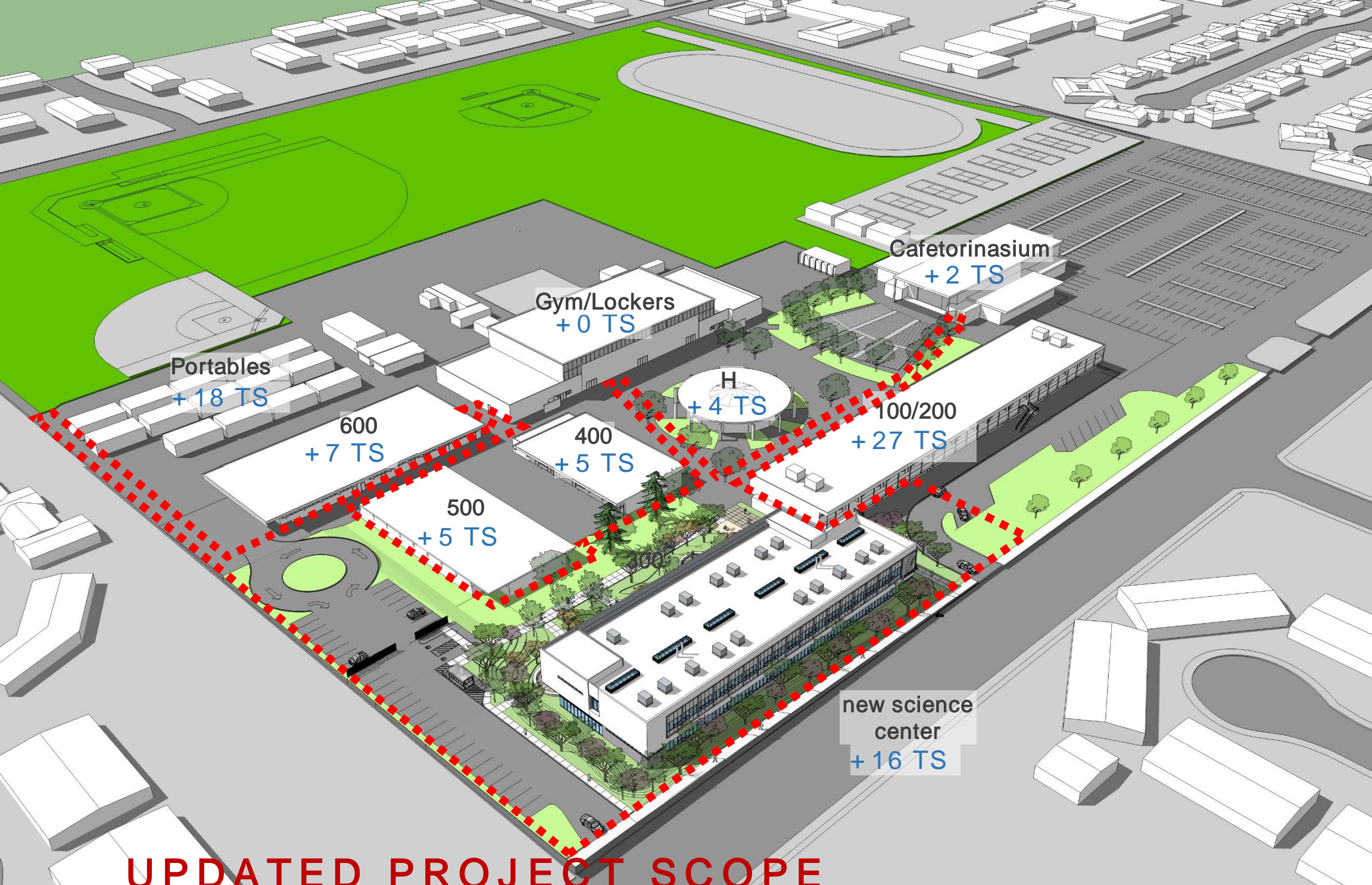
Building	# Teaching Stations
Bldg 100/200	+ 27
<b>DEMO</b> Bldg 300	<b>-10</b>
Bldg 400	+ 5
Bldg 500	+ 5
Bldg 600	+ 7
Bldg H	+ 4
Gym/Locker Bldg	+ 0
Cafetorinasium	+ 2
<b>Subtotal</b>	<b>50 TS</b>
Portables	+ 24
<b>Total</b>	<b>74 TS</b>
Interim Housing	+ 9
<b>Total</b>	<b>83 TS</b>

# CLASSROOM COUNT | INTERIM

## VILLA PARK HIGH SCHOOL







Building	# Teaching Stations
Bldg 100/200	+ 27
Bldg 400	+ 5
Bldg 500	+ 5
Bldg 600	+ 7
Bldg H	+ 4
Gym/Locker Bldg	+ 0
Cafetorinasium	+ 2
<b>Subtotal</b>	<b>50 TS</b>
Portables	+ 33
<b>Total</b>	<b>83 TS</b>
<b>New Science Center</b>	<b>+ 16</b>
<b>Remove Interim Housing Portables</b>	<b>-9</b>
<b>Remove Existing Portables</b>	<b>-6</b>
<b>Total</b>	<b>84 TS</b>

# UPDATED PROJECT SCOPE

## VILLA PARK HIGH SCHOOL





t a f t a v e n u e



**SITE ILLUSTRATIVE**  
**VILLA PARK HIGH SCHOOL**







functional



drought tolerant + native



teaching tool



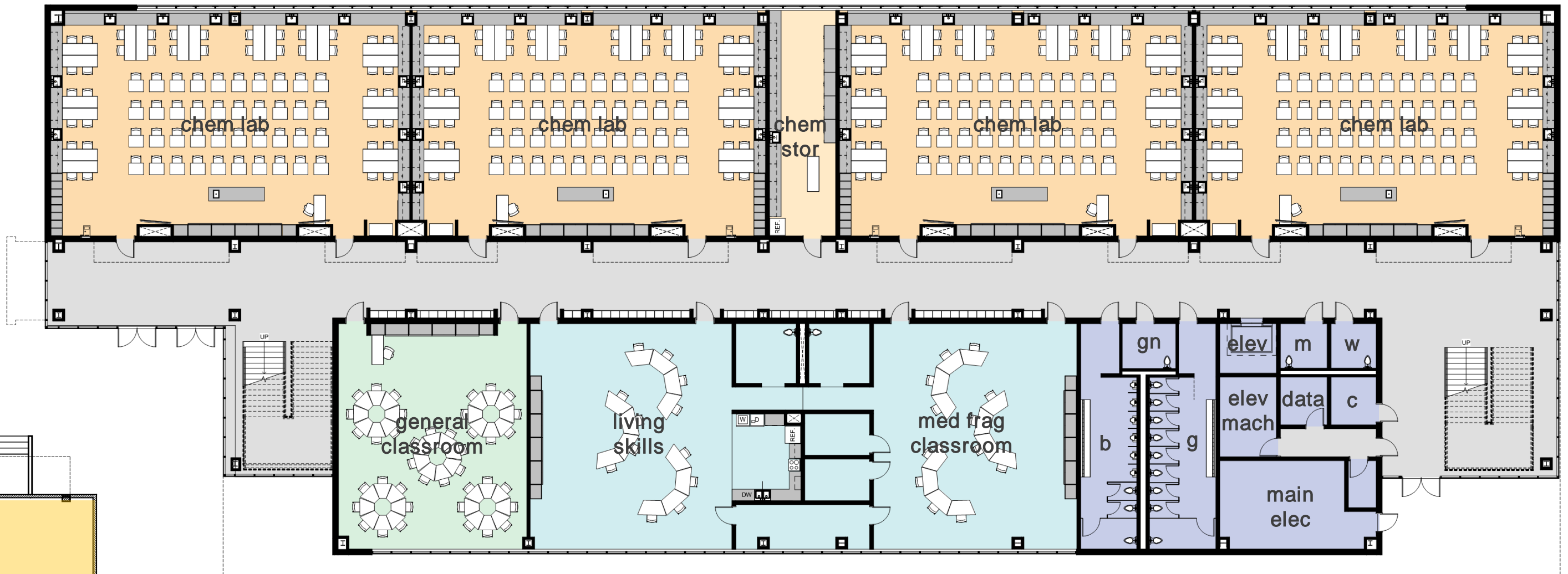
educational

# LANDSCAPE IMAGERY

## VILLA PARK HIGH SCHOOL







- (4) chemistry labs
- (2) sp ed classrooms
- (1) general classroom

# FIRST FLOOR PLAN

## SCIENCE CENTER





- (8) science labs
- (1) general classroom

## SECOND FLOOR PLAN

### SCIENCE CENTER





maximize glazing



glazing/clear blue



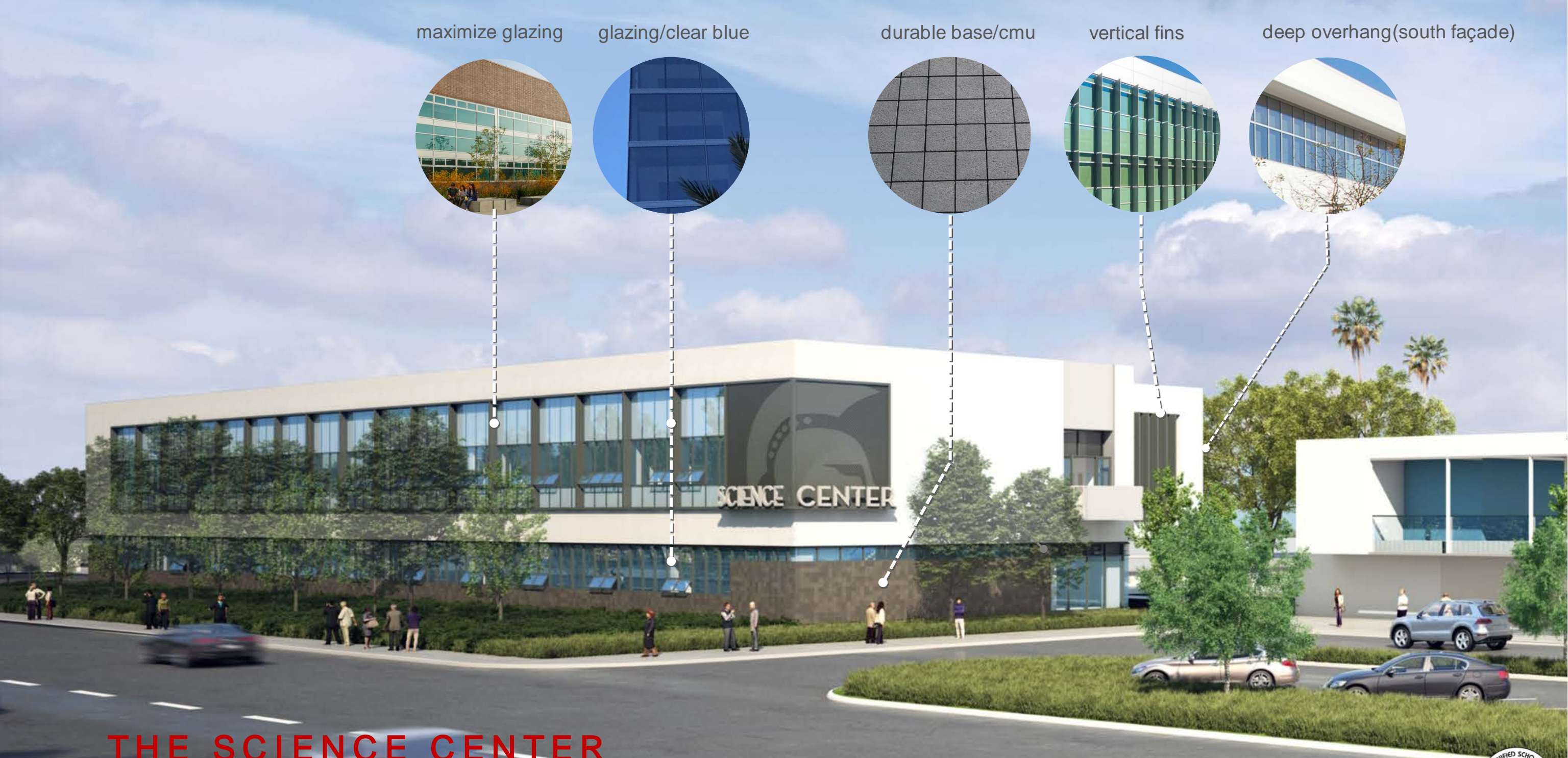
durable base/cmu



vertical fins



deep overhang (south façade)



# THE SCIENCE CENTER AT VILLA PARK HIGH SCHOOL







# THE SCIENCE CENTER

## AT VILLA PARK HIGH SCHOOL







SCIENCE CENTER

# THE SCIENCE CENTER AT VILLA PARK HIGH SCHOOL



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# scope and cost refinements

Item

Reduction of required re-locatable units

Re-use of existing fire truck access

Omit CMU from interior corridor and replace with high impact drywall

Update to Campus infrastructure for future capacity

Cost

-\$35,000

-\$375,000

-\$110,000

+\$755,355

\$235,355



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# updated budget

Design	\$ 2.2M
Construction	\$ 27.2M
Program & Construction Management	\$ 2.8M
Construction Support	\$ 4.6M
Contingency & Escalation	\$ 8.4M
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Total Science Center	\$45.2M
Unallocated	\$ 26.8M
Total Allocated	\$ 72.0M





# updated schedule

Design| Documentation

April 2017 – April 2018

DSA Review| Approval

April 2018 – May 2019

Install Interim Housing

Spring 2019

Bid & Award

May 2019 – Aug 2019

Science Center Construction Begins

September 2019

Science Center Occupancy

November 2020



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January 18, 2018

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**THE SCIENCE CENTER**  
AT VILLA PARK HIGH SCHOOL

