

WHY STEM



FOUNDATIONAL TENETS

- Quality

 Provide high level of STEM teaching and learning.
- Ensure equitable Access and Success for ALL students at the Riverside STEM High School.
- 2 Experience
 Offer a variety of interdisciplinary STEM areas of study with capstone projects and industry certification.
- Partnerships
 Create a STEM Partnership Forum to facilitate robust partnerships with higher education, business and industry.
- STEM Ambassadors
 Ensure all students graduate with strong STEM knowledge, develop into socially responsible citizens and cultivate a joy of learning.

BENEFITS OF A STEM HIGH SCHOOL



STEMPATHWAYS









Environmental/Agricultural Science



Bio-Medical/Allied Health



Engineering & Advanced Manufacturing



CONCEPTUAL FLOOR PLAN: 1ST FLOOR

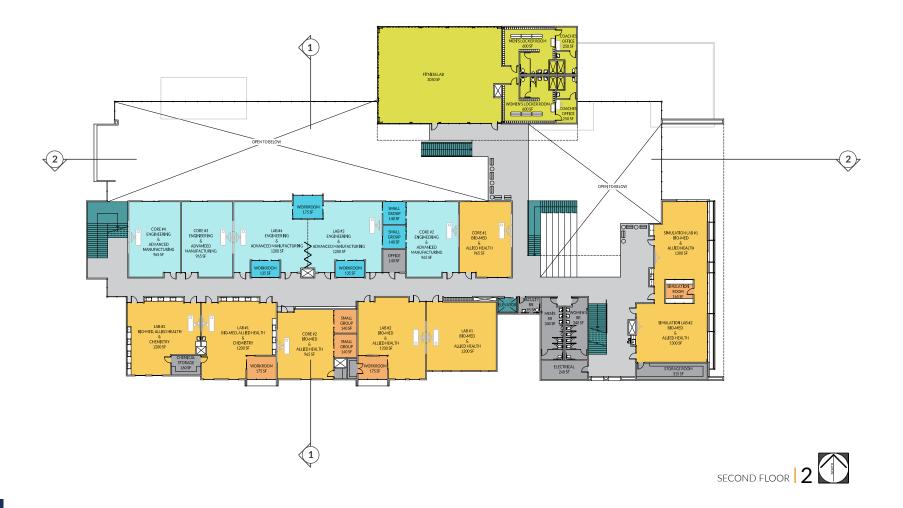






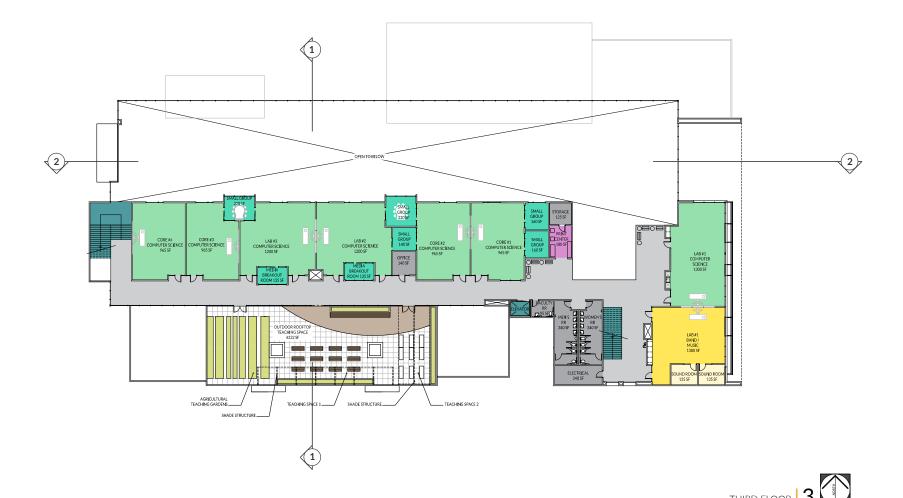
CONCEPTUAL FLOOR PLAN: 2ND FLOOR





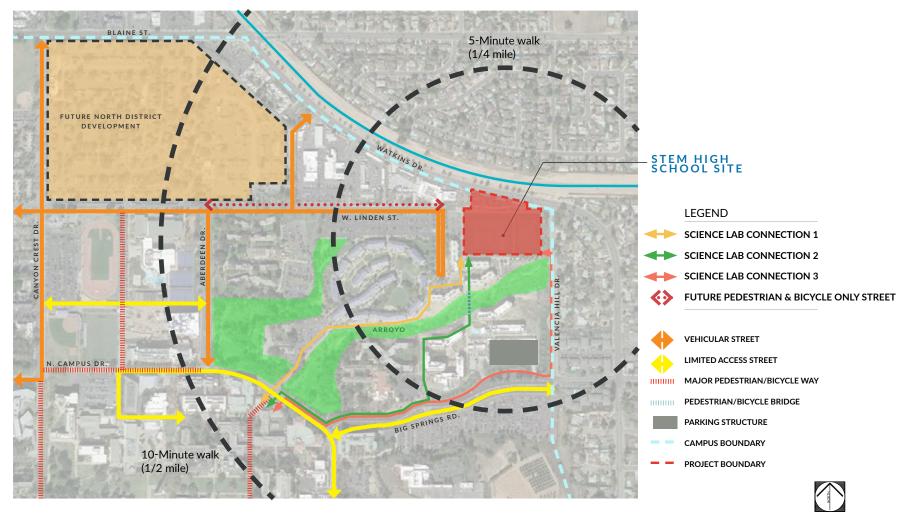


CONCEPTUAL FLOOR PLAN: 3RD FLOOR





CONTEXT DIAGRAM





CONTEXT: SITE IMAGES















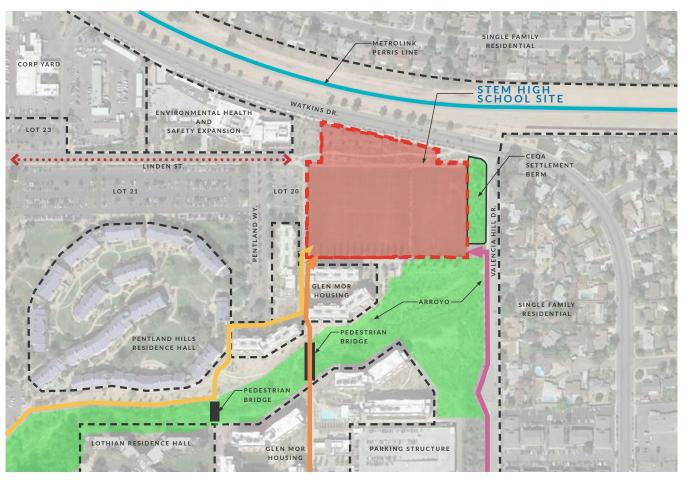
GLEN MOR HOUSING 5

GLEN MOR HOUSING 6



CONTEXT:SITE PLAN





LEGEND

SCIENCE LAB CONNECTION 1

SCIENCE LAB CONNECTION 2

SCIENCE LAB CONNECTION 3

FUTURE PEDESTRIAN & BICYCLE ONLY STREET

PROJECT BOUNDARY





CONTEXT:STREET TREE DIAGRAM



LINDEN ST. PALM TREE LINED AXIS $\,|\,1$





SITE PROGRAM

LEGEND

ENTRY & ARRIVAL

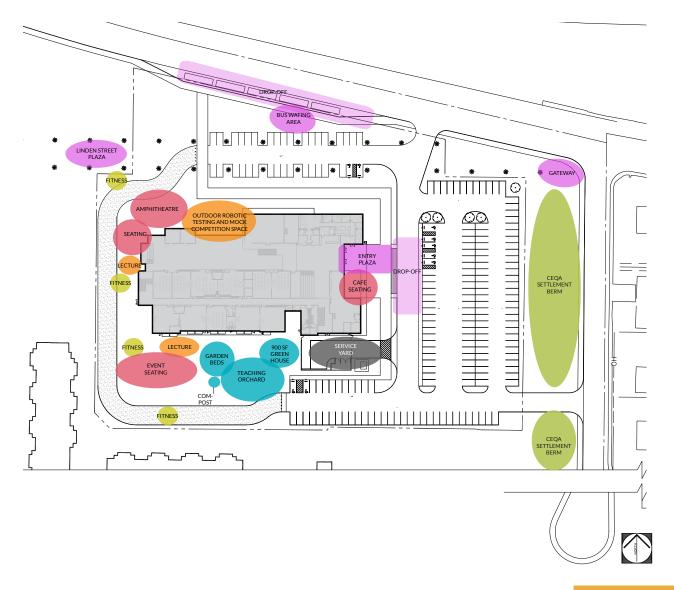
STEM COMMUNAL SPACE

LECTURE / EDUCATION SPACE

RECREATION / FITNESS

AGRICULTURAL PROGRAM

CEQA





LANDSCAPE INSPIRATIONAL IMAGES







EVENT AND SCHOOL GATHERING SPACE



OUTDOOR ASSEMBLY SEATING



FITNESS & RECREATION



RAISED GARDEN BEDS



ENGINEERING TESTING & ROBOTICS



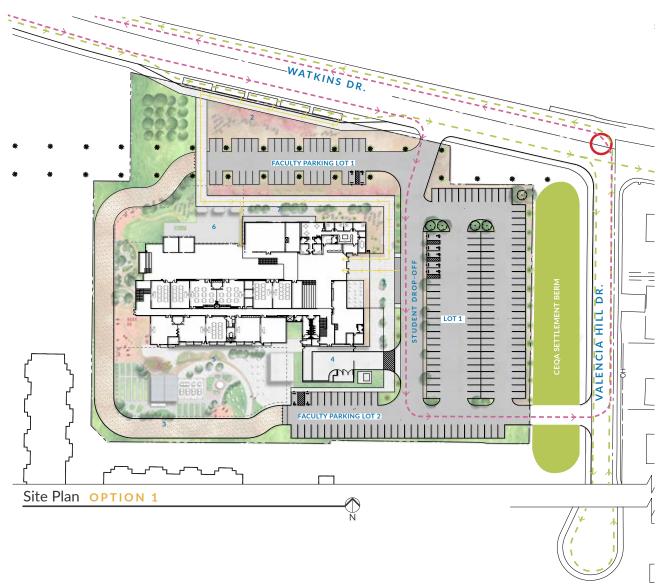
TEACHING ORCHARD



INDOOR/OUTDOOR CLASSROOM

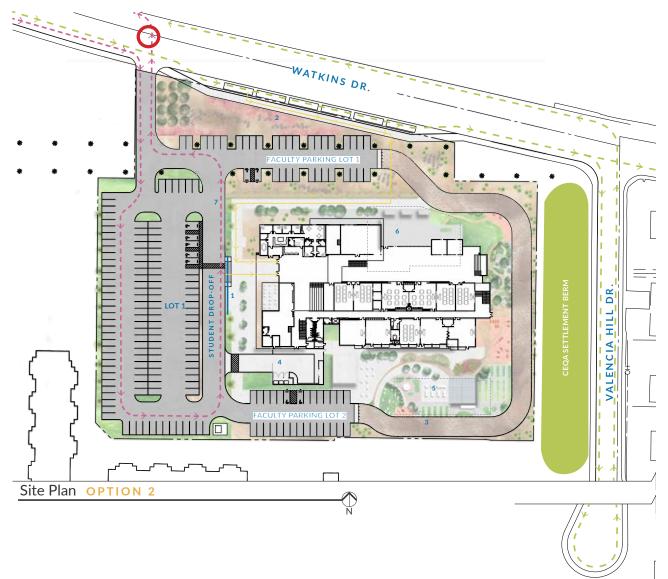


SITE PLAN OPTION 1



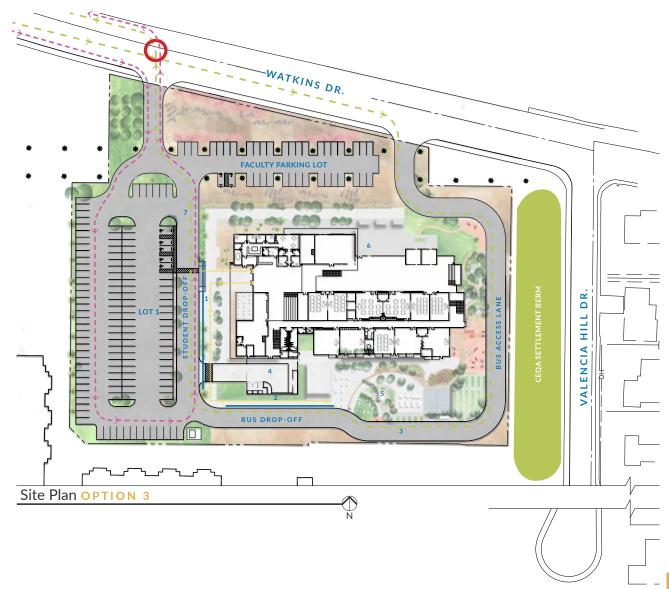


SITE PLAN OPTION 2





SITE PLAN OPTION 3





CONCEPT 1BOX SPRINGS MOUNTAINS



Natural mountain terrain, vegetation and trails.

Lush natural landscape in organic arrangements contrasted by clean lined hardscape.



▲ Landscaped mounds alongside hardscape encouraged interaction with the outdoor environment.



A Hard seating nestled into the landscape.



▲ Teaching spaces (amphitheater) carved out and incorporated into the landscape.



CONCEPT 2ARROYO





▲ Natural arroyo landscape.



▲ Boulders integrated into natural arroyo.



▲ Site drainage meanders throughout the site, interacting with paths and outdoor teaching spaces.

▲ Drainage clearly expressed and integrated into circulation paths to offer teaching opportunities.



LANDSCAPEPLANTING FRAMEWORK



Entry garden with soft desert textures and colorful accents.



Arroyo creek beds with varied grasses, native shrubs and boulders.



Topographic landforms with textural buffer planting.

Educational fruit and vegetable garden.





LANDSCAPETREE FRAMEWORK





LANDSCAPE TREE SELECTION







Acacia Podalyriifolia



Citrus Sinensis



Washingtonia Robusta (Hybrid)



Arbutus Marina



Quercus Agrifolia



Tipuana Tipu



Platanus Racemosa



LANDSCAPE UNDER STORY PLANTING







Muhlenbergia Dubia



Aloe



Agave 'Blue Glow'



Yucca Filamentosa



Anigozanthos 'Bush Sunset' Senecio Serpens





ARROYO



Carex Divulsa



Chondropetalum Tectorum



Dietes Bicolor



Lantana 'Gold'



Muhlenbergia Linheimerii



LANDFORMS & BUFFER



Baccharis Pilularis 'Twin Peaks'



Festuca Mairei



Salvia Pozo 'Blue'



Rosmarinus Officinalis 'Tuscan Blue'



Rhamnus Umbulata 'Minor'



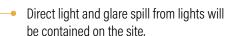
SITE **COMPARISON**

Current



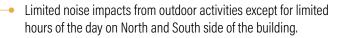
Future

Light Pollution









Nighttime noise should be virtually eliminated.



Traffic

Through traffic will bypass school because of school zone speed limits.

Signalized intersection will make for safer traffic movements in and around school zone.



CONCEPTUAL RENDERINGEXTERIOR





CONCEPTUAL RENDERING MAIN ENTRANCE





CONCEPTUAL RENDERINGEXTERIOR





CONCEPTUAL RENDERING INTERIOR

