

DAVIS JOINT UNIFIED SCHOOL DISTRICT  
EMERSON AND DA VINCI JUNIOR HIGH SCHOOL  
NEXTGEN SCIENCE PROJECT  
INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

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*Prepared for:*

DAVIS JOINT UNIFIED SCHOOL DISTRICT  
526 B STREET  
DAVIS, CA 95616

*Prepared by:*

**Michael Baker**  
INTERNATIONAL

2729 PROSPECT PARK DRIVE, SUITE 220  
RANCHO CORDOVA, CA 95670

**DECEMBER 2019**



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## **1.0 INTRODUCTION**

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**1.0 INTRODUCTION**

This document contains an initial study, with supporting environmental studies, which concludes that a mitigated negative declaration is the appropriate California Environmental Quality Act (CEQA) document for the Emerson and Da Vinci Junior High School NextGen Science Project (proposed project). This Mitigated Negative Declaration has been prepared in accordance with Public Resources Code Section 21000 et seq., and the CEQA Guidelines, California Code of Regulations Section 15000 et seq.

**1.1 CEQA GUIDELINES**

An initial study is conducted by a lead agency to determine whether a project may have a significant effect on the environment. In accordance with CEQA Guidelines Section 15063, an environmental impact report (EIR) must be prepared if an initial study indicates that the proposed project under review may have a potentially significant impact on the environment that cannot be avoided or mitigated to a level that is less than significant. A negative declaration may be prepared if the lead agency also prepares a written statement describing the reasons why the proposed project would not have a significant effect on the environment and, therefore, why it does not require the preparation of an EIR (CEQA Guidelines Section 15371). According to CEQA Guidelines Section 15070, a negative declaration shall be prepared for a project subject to CEQA when either:

- a) The initial study shows there is no substantial evidence, in light of the whole record before the agency, that the proposed project may have a significant effect on the environment, or
- b) The initial study identifies potentially significant effects, but:
  - (1) Revisions in the project plans or proposals made by or agreed to by the applicant before the proposed negative declaration is released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effects would occur; and
  - (2) There is no substantial evidence, in light of the whole record before the agency, that the proposed project as revised may have a significant effect on the environment.

If revisions are adopted in the proposed project in accordance with CEQA Guidelines Section 15070(b), including the adoption of mitigation measures, a mitigated negative declaration can be prepared.

**1.2 LEAD AGENCY**

The lead agency is the public agency with primary responsibility over a proposed project. Where two or more public agencies will be involved with a project, CEQA Guidelines Section 15051 provides criteria for identifying the lead agency. In accordance with CEQA Guidelines Section 15051(b)(1), "the lead agency will normally be the agency with general governmental powers, such as a city or county, rather than an agency with a single or limited purpose." Based on the criterion above, the Davis Joint Unified School District (District) is the lead agency for the proposed project.

## 1.0 INTRODUCTION

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### 1.3 PURPOSE AND DOCUMENT ORGANIZATION

The purpose of this Initial Study is to evaluate the potential environmental impacts of the proposed project. This document is divided into the following sections:

- 1.0 Introduction** – This section provides an introduction and describes the purpose and organization of the document.
- 2.0 Project Information** – This section provides general information regarding the project, including the project title, lead agency and address, contact person, brief description of the project location, General Plan land use designation and zoning district, identification of surrounding land uses, and identification of other public agencies whose review, approval, and/or permits may be required. This section also includes a list of the environmental resources that the project could affect.
- 3.0 Project Description** – This section describes the proposed project in detail, including the project components and their construction and operation.
- 4.0 Environmental Checklist** – This section describes the environmental setting and overview for each of the environmental resource areas and evaluates a range of impacts classified as “no impact,” “less than significant impact,” “less than significant impact with mitigation incorporated,” and “potentially significant impact” in response to the environmental checklist.

### 1.4 EVALUATION OF ENVIRONMENTAL IMPACTS

Section 4.0, Environmental Checklist, is the analysis portion of this Initial Study. The section evaluates the potential environmental impacts of the project. Section 4.0 includes 20 environmental resource subsections, plus CEQA Mandatory Findings of Significance. The environmental resource area subsections, numbered 1 through 21, include:

- |                                       |  |
|---------------------------------------|--|
| 1. Aesthetics                         | 11. Land Use and Planning              |
| 2. Agriculture and Forestry Resources | 12. Mineral Resources                  |
| 3. Air Quality                        | 13. Noise                              |
| 4. Biological Resources               | 14. Population and Housing             |
| 5. Cultural Resources                 | 15. Public Services                    |
| 6. Energy                             | 16. Recreation                         |
| 7. Geology and Soils                  | 17. Transportation/Traffic             |
| 8. Greenhouse Gas Emissions           | 18. Tribal Cultural Resources          |
| 9. Hazards and Hazardous Materials    | 19. Utilities and Service Systems      |
| 10. Hydrology and Water Quality       | 20. Wildfire                           |
|                                       | 21. Mandatory Findings of Significance |

Each environmental resource subsection is organized in the following manner:



The **Discussion** provides a detailed discussion of each checklist question. The level of significance for each topic is determined by considering the predicted magnitude of the impact. For each checklist question, the Initial Study reaches one of the following conclusions:

**No Impact:** The project would have no impact on the environment.

**Less Than Significant Impact:** The project would not result in a substantial adverse change in the environment. This impact level does not require mitigation measures.

**Less Than Significant Impact with Mitigation Incorporated:** The project would have a “substantial, or potentially substantial, adverse change in any of the physical conditions within the area affected by the project” (CEQA Guidelines Section 15382). However, the incorporation of project-specific mitigation measures would reduce the impact to less than significant.

**Potentially Significant Impact:** The project's impact would be “potentially significant” but no mitigation measures are readily available, or the effectiveness of potential mitigation measures cannot be determined with certainty, because more in-depth impact analysis is needed. In such cases, an EIR is required.

## **1.0 INTRODUCTION**

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## **2.0 PROJECT INFORMATION**

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**2.0 PROJECT INFORMATION**

- 1. Project title:** Emerson and Da Vinci Junior High School  
NextGen Science Project
- 2. Lead agency name and address:** Davis Joint Unified School District  
526 B Street  
Davis, CA 95616
- 3. Contact person and phone number:** David Burke  
Director of Facilities, Maintenance & Operations  
Davis Joint Unified School District  
(530) 759-2182
- 4. Project location:** The proposed project site is located at the southeast corner of the Ralph Waldo Emerson Junior High School campus at 2121 Calaveras Ave, Davis, CA 95616 (County Assessor's Parcel Number 036-440-009)
- 5. Project sponsor's name and address:** Davis Joint Unified School District  
526 B Street  
Davis, CA 95616
- 6. General Plan designation:** Public/Semi-Public
- 7. Zoning:** Planned Development 34-74
- 8. Project description:** The project would include two new single-story, modular, relocatable buildings. Each building would contain two 1,440 square foot science classrooms and one 480 square foot science preparation room. One of the buildings would also include a 480 square foot restroom module. The total project would total 7,200 square feet.
- 9. Surrounding land uses and setting:** The project site is located on the southeast side of the main campus building along Calaveras Avenue. To the south is a single-family residential area, to the east is a sports field, and to the north and west is the remaining portion of the campus.

**10. Environmental factors potentially affected:**

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "potentially significant impact" as indicated by the checklist on the following pages.

## 2.0 PROJECT INFORMATION

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- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Aesthetics                         | <input type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Air Quality                        |
| <input type="checkbox"/> Biological Resources               | <input checked="" type="checkbox"/> Cultural Resources      | <input type="checkbox"/> Energy                             |
| <input checked="" type="checkbox"/> Geology/Soils           | <input type="checkbox"/> Greenhouse Gas Emissions           | <input type="checkbox"/> Hazards & Hazardous Materials      |
| <input checked="" type="checkbox"/> Hydrology/Water Quality | <input type="checkbox"/> Land Use/Planning                  | <input type="checkbox"/> Mineral Resources                  |
| <input type="checkbox"/> Noise                              | <input type="checkbox"/> Population/Housing                 | <input type="checkbox"/> Public Services                    |
| <input type="checkbox"/> Recreation                         | <input type="checkbox"/> Transportation/Traffic             | <input type="checkbox"/> Tribal Cultural Resources          |
| <input type="checkbox"/> Utilities/Service Systems          | <input type="checkbox"/> Wildfire                           | <input type="checkbox"/> Mandatory Findings of Significance |

**11. Determination:** (To be completed by the lead agency)

On the basis of this initial evaluation:

- ☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- ☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- ☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- ☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- ☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

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Signature

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David Burke

Printed Name

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Date

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Davis Joint Unified School District  
Lead Agency

## **2.0 PROJECT INFORMATION**

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## **3.0 PROJECT DESCRIPTION**

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### **3.0 PROJECT DESCRIPTION**

#### **3.1 PROJECT LOCATION AND SETTING**

The proposed project site comprises approximately 15,000 square-feet of the southeast portion of the Ralph Waldo Emerson Junior High School campus in Davis, California (County Assessor's Parcel Number is 036-440-009). The site is currently developed as part of the junior high campus and contains existing concrete walk ways and landscaping.

The site is flat and has ground surface elevations ranging from approximately 50 to 56 feet mean sea level. **Figure 1** is a regional location map and **Figure 2** depicts the project site and the adjacent areas. **Figure 3** shows the location on the campus where the buildings would be installed.

The project site is designated Public/Semi-Public in the City of Davis General Plan. The project site is zoned Planned Development.

#### **3.2 PROJECT BACKGROUND**

The District has identified a need for additional science classrooms. The proposed project would provide four additional science classrooms and preparation space.

#### **3.3 PROJECT OBJECTIVES**

The District's objectives for the project include the following:

- Install four science classrooms to serve the existing student population of Ralph Waldo Emerson Junior High School.

#### **3.4 PROJECT COMPONENTS**

##### Project Design

The proposed project would include the installation of two new single-story, modular, relocatable buildings to the campus. The buildings would be mirror images of one another. The project would include two new single-story, modular, relocatable buildings. Each building would contain two 1,440 square foot science classrooms and one 480 square foot science preparation room. One of the buildings would also include a 480 square foot restroom module. The total project would total 7,200 square feet. Each classroom would accommodate a maximum of 34 students, for a total of 136 students maximum.

The project also includes upgrades to existing concrete walkways, bringing the existing student drop-off and accessible parking into full ADA compliance, and upgrades to the restrooms (boys, girls, and staff) in the main building in proximity to the new building location.

##### Utilities

The project would connect to the existing water, sewer, gas, and electrical networks. Pacific Gas and Electric Company (PG&E) would provide electrical and natural gas service and the City of Davis's Public Works Department would provide water and sewer service. Water and sewer

### **3.0 PROJECT DESCRIPTION**

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would be extended from existing infrastructure on campus. The new buildings would be served by the same solid waste hauler as the existing campus.

#### **3.5 PROJECT CONSTRUCTION**

Construction of the project would be completed in approximately 6 months. During construction, surrounding streets would remain open and construction workers and trucks would use existing streets. The site would be cleared, graded to the planned elevation, and fenced for security and public safety. The project site is flat and would require minimal grading.

Project construction would require the use of off-road equipment, such as haul trucks and small bulldozers, and could use groundborne vibration-generating construction equipment, such as rollers. The construction contractor would stage equipment and materials on-site.

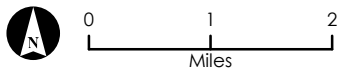
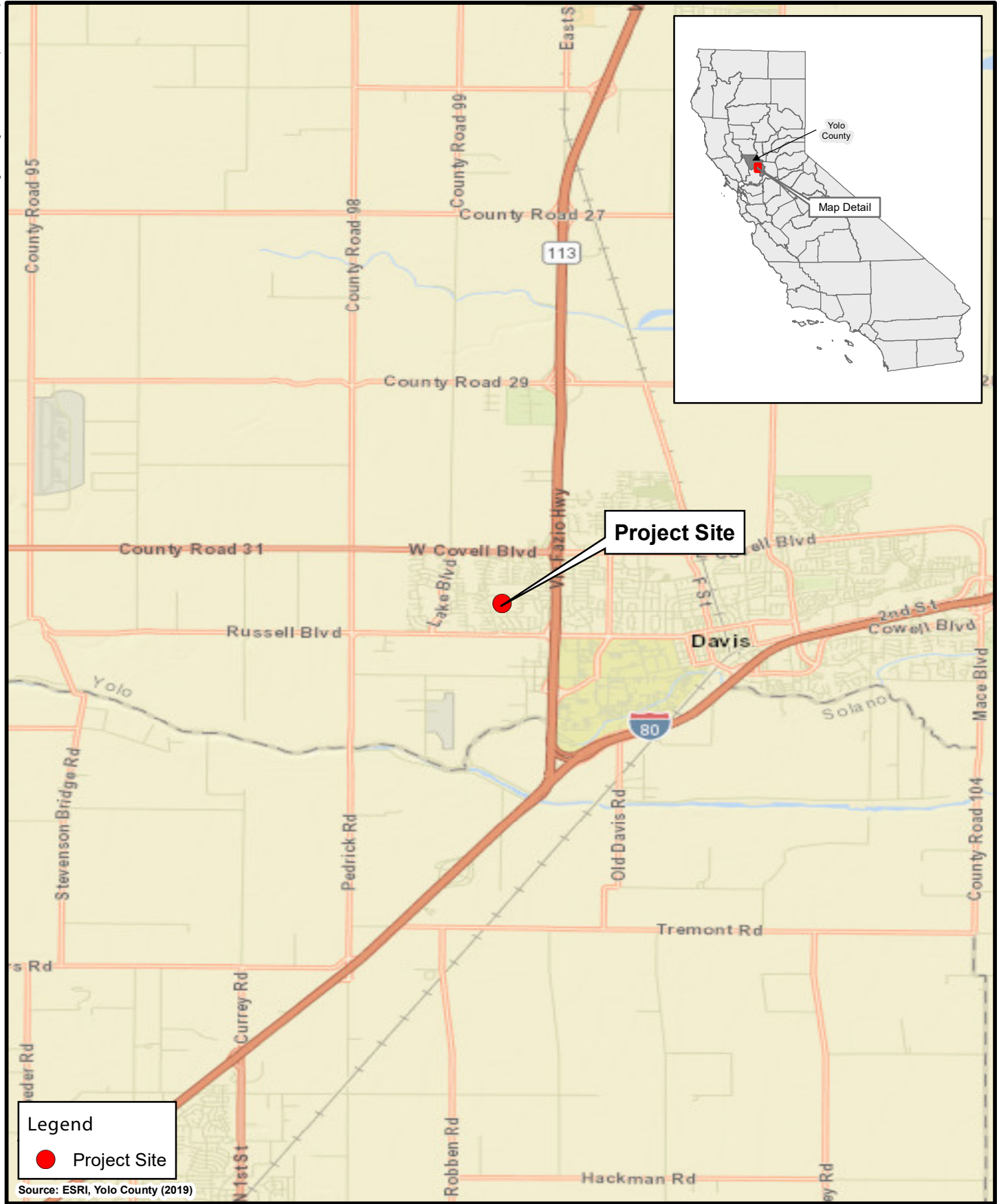
The construction contractor would install erosion control best management practices, dig trenches and lay utilities, pour foundations and erect buildings, create walkways, plant landscaping, and pave access roads and parking lots.

#### **3.6 ADJACENT LAND USES**

The project site is located behind the southeast side of the main campus building along Calaveras Avenue. To the south is a single-family residential area, to the east is a sports field, and to the north and west is the remaining portion of the campus.

#### **3.7 PERMITS AND APPROVALS**

The project will require CEQA certification and approval from the District Board.



**FIGURE 1**  
Regional Vicinity  
**Michael Baker**  
INTERNATIONAL

### **3.0 PROJECT DESCRIPTION**

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0 250 500  
Feet

**FIGURE 2**  
Project Location

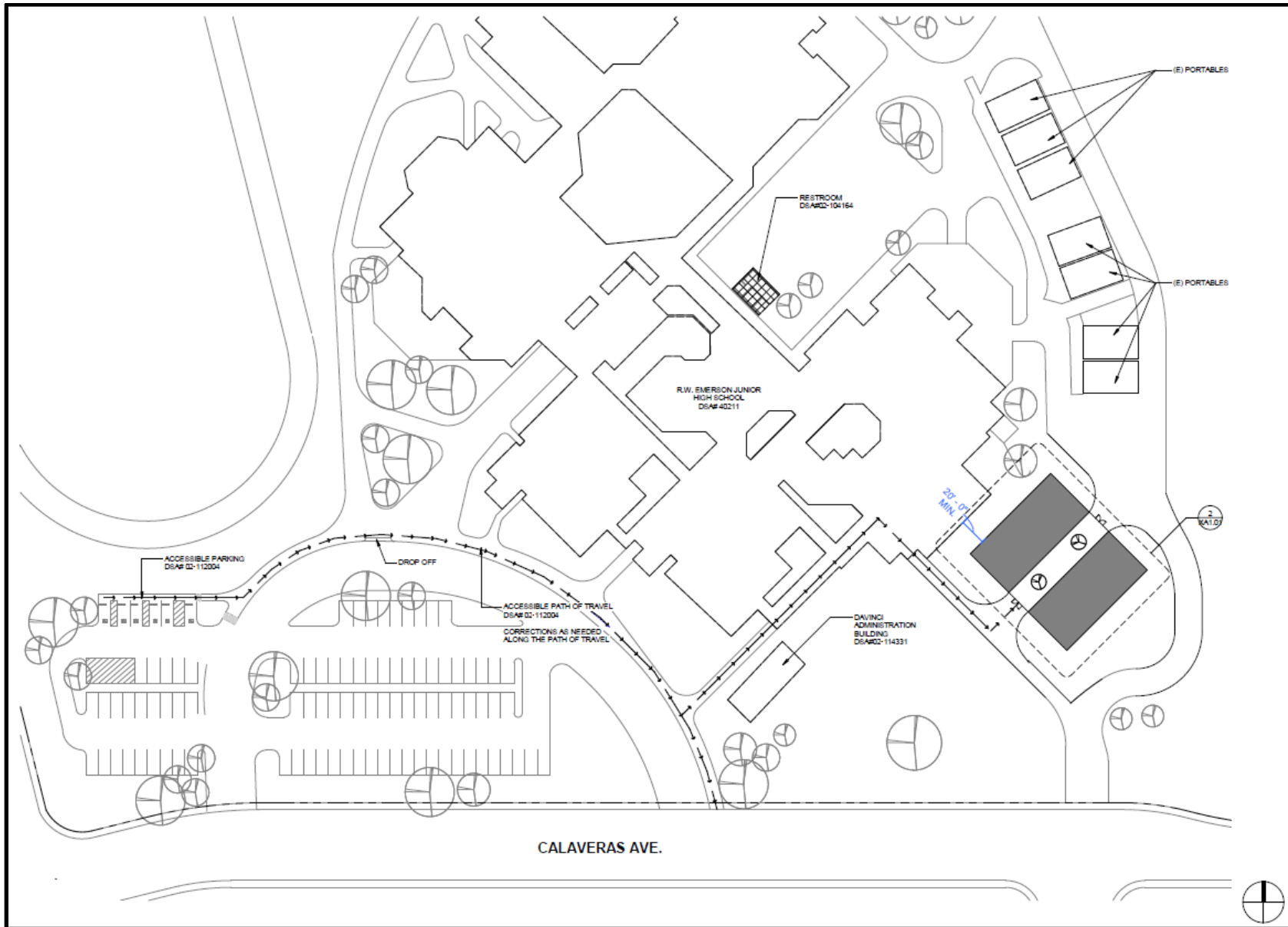


### **3.0 PROJECT DESCRIPTION**

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**FIGURE 3**  
Proposed Building Location

### **3.0 PROJECT DESCRIPTION**

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## **4.0 INITIAL STUDY CHECKLIST**

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## EVALUATION OF ENVIRONMENTAL IMPACTS

## I. AESTHETICS

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>AESTHETICS:</b> <i>Except as provided in Public Resources Code Section 21099, would the project:</i>				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Discussion

**a) Would the project have a substantial adverse effect on a scenic vista?**

The project area is relatively flat and does not contain views of natural features that could be considered scenic resources. Additionally, the City of Davis has no officially designated scenic highways, corridors, vistas, or viewing areas (Davis 2000). Therefore, there would be no impact on scenic vistas.

**b) Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?**

The City of Davis does not contain local or state designated or eligible scenic highways and none occur within the project vicinity (Caltrans 2017; Davis 2000). Therefore, the proposed project would have no impact on scenic resources within a state scenic highway.

**c) Would the project, in non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?**

The City has adopted Residential Design Guidelines but does not have guidelines for school development. The proposed project is in an urbanized area of Davis and the project would include the addition of buildings on the developed campus of the school.

## 4.0 INITIAL STUDY CHECKLIST

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The project would not conflict with zoning or other regulations related to scenic quality. There would be no impact.

**d) Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?**

The proposed project would introduce new sources of light primarily in the form of nighttime security lighting; however, as noted previously, the project is on an existing campus that currently has lighting. The project would not add substantially to the amount of lighting generated on the site. In addition, all light fixtures would be shielded to reduce light and glare on adjoining properties. Therefore, no impact would occur.

## II. AGRICULTURE AND FORESTRY RESOURCES

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>AGRICULTURE AND FORESTRY RESOURCES:</b> <i>In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:</i>				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Discussion

- a) **Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?**

The project site is on an existing school campus and is classified as "Urban and Built Up" by the Farmland Mapping and Monitoring Program of the California Resources Agency (CDC 2016). The proposed project would not convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural use. No impact would occur.

- b) **Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?**

The project site is zoned Planned Development, which is not an agricultural zone. The project site is not enrolled in a Williamson Act contract. No impact would occur.

## 4.0 INITIAL STUDY CHECKLIST

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- c) **Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?**

The project site is zoned as Planned Development, which is not a forestland zone. The project site does not contain forestland or timberland as defined by Public Resources Code Section 4526. No impact would occur.

- d) **Would the project result in the loss of forest land or conversion of forest land to non-forest use?**

As discussed previously, the project site is an existing school campus and does not contain forestland. Therefore, the proposed project would not result in the loss of forestland or conversion of forestland to non-forest use. No impact would occur.

- e) **Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?**

The proposed project includes the installation and operation of two relocatable classroom buildings. The project site is previously disturbed and is used as a junior high school campus. Therefore, the proposed project would not result in conversion of Farmland to non-agricultural use or forestland to non-forest use. No impact would occur.



## III. AIR QUALITY

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>AIR QUALITY:</b> <i>Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:</i>				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Result in other emissions, such as those leading to odors adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Discussion

**a,b) Would the project conflict with or obstruct implementation of the applicable air quality plan? Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?**

The Yolo-Solano Air Quality Management District (YSAQMD) is the regulatory agency that oversees air quality for the project area, which is in the Sacramento Valley Air Basin (SVAB). The SVAB has been designated a nonattainment area for federal ozone and fine suspended particulate matter (PM<sub>2.5</sub>) air quality standards and for state ozone and particulate matter (PM<sub>10</sub>) air quality standards (YSAQMD 2019).

YSAQMD has adopted screening criteria to determine if land use projects have potential to exceed ozone thresholds. The screening criteria for a junior high school is 325,000 square feet (YSAQMD 2007). In total, the proposed classroom buildings would be approximately 6,720 square feet. Therefore, the proposed project is under the screening criteria for ozone and impacts related to ozone would be less than significant.

YSAQMD has not yet adopted screening criteria for PM<sub>2.5</sub>. Sources of PM<sub>2.5</sub> include dust from roads, combustion, and chemical reactions between precursor gases that are emitted from power plants, mobile sources, and other combustion sources (EPA 2018). Because the project site is relatively flat and currently developed, the proposed project would require only minor site preparation, such as trenching to connect to utilities on-site and minor grading. This would require the use of off-road construction equipment and result in increased vehicle trips from construction workers, which would increase emission of precursor gases. However, construction would be short term, and the classroom buildings would be built off-site. Additionally, the buildings would be utilized by existing staff and students and, therefore, would not increase vehicle miles traveled or mobile emissions. For

## 4.0 INITIAL STUDY CHECKLIST

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these reasons, the proposed project would not result in the cumulatively considerable net increase of PM<sub>2.5</sub>.

For the reasons above, the proposed project would not conflict with the applicable air quality plans or result in a cumulative net increase of any criteria pollutant. Impacts would be less than significant.

**c) Would the project expose sensitive receptors to substantial pollutant concentrations?**

Sensitive receptors are located to the south of the project site and on the project site itself. Construction activities associated with the project would generate airborne particulate pollutants associated with the use of construction equipment on a short-term basis. However, as noted above, the site is relatively flat and would only require site preparation, such as trenching and minor grading for placement of the prefabricated buildings on the site. For these reasons, construction would not generate substantial pollutant concentrations, and therefore, impacts would be less than significant.

**d) Would the project result in other emissions, such as those leading to odors adversely affecting a substantial number of people?**

Project construction would generate localized emissions of diesel exhaust from construction equipment. Odors from these emissions may be noticeable periodically, but the exhaust would dissipate quickly and would not substantially affect people on- or off-site. The proposed science classrooms may occasionally vent odors from indoor fume hoods, but this would be infrequent and would also dissipate quickly. Therefore, the proposed project would not include sources of objectionable odors that would adversely affect a substantial number of people. This impact would be less than significant.

## IV. BIOLOGICAL RESOURCES

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>BIOLOGICAL RESOURCES:</b> <i>Would the project:</i>				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Discussion

- a) Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?**

The project site is developed as a junior high school campus in an urban setting and contains landscape grasses and trees and concrete and asphalt hardscape.

Consequently, suitable habitat for special-status species does not exist on-site. Furthermore, no critical habitats are located on the project site (USFWS 2019). No special-status species, riparian habitat, or other sensitive natural communities would be affected by the proposed project. However, the proposed project may require tree removal or tree trimming to accommodate project improvements and construction could occur during the nesting

## 4.0 INITIAL STUDY CHECKLIST

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season for migratory birds or raptors. In addition, bat roosts could be present in trees proposed for removal or trimming. As such, the project would have a potentially significant impact on sensitive species. Implementation of mitigation measures **BIO-1** and **BIO-2** would ensure no nests or bat roosts are present in the trees when tree removal occurs.

- b,c) Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service? Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?**

No jurisdictional wetlands or waters of the United States, riparian habitats, or other sensitive natural communities are present within the project site. Therefore, no impact to riparian habitat or wetlands would occur.

- d) Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?**

As noted previously, the project site is currently developed as a school and the area around the site is developed with residential uses. Therefore, the project site would not be considered a migratory wildlife corridor because of substantial development on and surrounding the site. No impact would occur.

- e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?**

The City of Davis has adopted a Tree Preservation Ordinance that protects Landmark Trees, as determined by City Council resolution; Trees of Significance, trees that are 5 inches or more in diameter at breast height; Street Trees; City Trees, and Private Trees, which may include trees of landmark or significance status (Davis 2003). A permit is required for planting, pruning, or removal of any of the five types of protected trees listed above. There are several trees on the project site that may meet the classification of Tree of Significance. The District would follow all applicable Tree Preservation Ordinance regulations. Therefore, impacts would be less than significant.

- f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?**

The site is in the area covered by the Yolo County Habitat Conservation Plan/Natural Community Conservation Plan (Yolo HCP/NCCP), a conservation plan to provide Endangered Species Act permits for infrastructure and development projects. The plan's primary purpose is to provide streamlined permitting for projects that require incidental take of an endangered species. The proposed project does not require an incidental take and would not significantly impact endangered species. Therefore, the project does not conflict with the provisions of the Yolo HCP/NCCP and no impact would occur.

**Mitigation Measures**

**BIO-1** If clearing and/or construction activities would occur during the raptor nesting season (February 15–September 15), preconstruction surveys to identify active nests shall be conducted by a qualified biologist within 14 days prior to construction initiation. Surveys must be performed by a qualified biologist for the purposes of determining presence/absence of active nest sites within the proposed impact area, including construction access routes and a 200-foot buffer (if feasible). If no active nests are found, no further mitigation is required. Surveys shall be repeated if construction activities are delayed or postponed for more than 30 days.

If raptor nests are identified within 500 feet of project activities, a 250-foot setback shall be imposed to all active raptor sites prior to the commencement of project construction activities to avoid construction- or access-related disturbances to nesting raptors. Project-related activities (i.e., vegetation removal, earthmoving, and construction) shall not occur within any setbacks until nests are deemed inactive.

If migratory bird nests are identified within 200 feet of project activities, a 150-foot setback shall be imposed to all active migratory bird nest sites prior to the commencement of project construction activities to avoid construction- or access-related disturbances to nesting birds. Project-related activities (i.e., vegetation removal, earthmoving, and construction) shall not occur within any setbacks until nests are deemed inactive.

Timing/Implementation: Prior to start of construction

Enforcement/Monitoring: Davis Joint Unified School District

**BIO-2** Prior to the removal or trimming of trees on the project site, a qualified wildlife biologist shall conduct preconstruction surveys for bats. If bats are identified as present on the site, bats shall be absent or humanely evicted and excluded from roost locations prior to removal or trimming of trees to avoid direct impacts. During the eviction process, potential roosts will be inspected and then sealed with exclusion devices to exclude bats. If bat eviction is necessary, it shall be done by a qualified biologist during the non-breeding season from October 1 to March 31. When flushing bats, it shall be done to avoid harming individuals, with torpid bats given time to completely arouse and fly away.

Timing/Implementation: Prior to start of construction

Enforcement/Monitoring: Davis Joint Unified School District

## 4.0 INITIAL STUDY CHECKLIST

### V. CULTURAL RESOURCES

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>CULTURAL RESOURCES:</b> <i>Would the project:</i>				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### Discussion

**a,b) Would the project cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5? Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?**

The project site is part of an existing junior high school campus and has been previously graded. However, there is the potential, during project-related construction, to uncover historical or archaeological resources within the project area. Mitigation measure **CUL-1** requires, in the event of a discovery, consultation with an archaeologist who would provide recommendations for the treatment of any resources encountered. Implementation of mitigation measure **CUL-1** would ensure that impacts on currently unknown resources encountered during construction would be less than significant.

**c) Would the project disturb any human remains, including those interred outside of dedicated cemeteries?**

The project site is part of an existing junior high school campus and has been previously graded. However, the project would be required to comply with California Health and Safety Code Section 7050.5, which requires that construction or excavation be stopped in the vicinity of discovered human remains until the coroner can determine whether the remains are those of a Native American. If the coroner determines that the remains are not subject to his or her authority and if the coroner recognizes the human remains to be those of a Native American or has reason to believe that they are those of a Native American, he or she shall contact the Native American Heritage Commission. Complying with California Health and Safety Code Section 7050.5 would ensure a less than significant impact if human remains are encountered.

#### Mitigation Measure

**CUL-1** If prehistoric or historical archaeological deposits are discovered during construction, all work within 25 feet of the discovery shall be redirected and a qualified archaeologist shall assess the deposit, consult with agencies as appropriate, and make recommendations regarding the treatment of the discovery. Impacts on

archaeological deposits shall be avoided by the project, but if such impacts cannot be avoided, the deposits shall be evaluated for their eligibility for the California Register of Historical Resources (California Register). If the deposit is not California Register eligible, no further protection of the deposit is necessary. If the deposit is California Register eligible, it shall be protected from project-related impacts, or such impacts shall be mitigated. Mitigation may consist of, but is not necessarily limited to, systematic recovery and analysis of archaeological deposits, recording the resource, preparation of a report of findings, and accessioning recovered archaeological materials at an appropriate curation facility.

Timing/Implementation: During grading and excavation

Enforcement/Monitoring: Davis Joint Unified School District

## 4.0 INITIAL STUDY CHECKLIST

### VI. ENERGY

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>ENERGY:</b> <i>Would the project:</i>				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### Discussion

- a) **Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?**

##### Construction Energy

During site preparation and installation of the classroom buildings, the proposed project would consume energy in two general forms: (1) the fuel energy consumed by construction vehicles and equipment; and (2) bound energy in construction materials. Fossil fuels used for construction vehicles and other energy-consuming equipment would be used during site preparation and classroom installation. Fuel energy consumed during construction would be temporary in nature and would not represent a significant demand on energy resources. Project construction equipment would also be required to comply with the latest Environmental Protection Agency and California Air Resources Board engine emissions standards. These emissions standards require highly efficient combustion systems that maximize fuel efficiency and reduce unnecessary fuel consumption.

##### Operational Energy

The proposed project would consume energy for interior and exterior lighting, heating/ventilation and air conditioning (HVAC), and electronics systems, among other things. The project would be required to comply with the Building Energy Efficiency Standards (California Code of Regulations, Title 24, Parts 6 and 11), which provide minimum efficiency standards related to various building features, including appliances, water and space heating and cooling equipment, building insulation and roofing, and lighting. Implementation of these standards significantly reduces energy usage. Furthermore, the electricity provider in the City of Davis, PG&E, is subject to California's Renewables Portfolio Standard (RPS). The RPS requires investor-owned utilities, electric service providers, and community choice aggregators to increase procurement from eligible renewable energy resources to 33 percent of total procurement by 2020 and to 50 percent of total procurement by 2030. Renewable energy is generally defined as energy that comes from resources that are naturally replenished within a human timescale such as sunlight, wind, tides, waves, and geothermal heat. The increase in reliance on such energy resources further ensures that projects would not result in the waste of the finite energy resources.



The proposed project would adhere to all federal, state, and local requirements for energy efficiency, including the Title 24 standards, which would ensure that the proposed project would not result in the inefficient, wasteful, or unnecessary consumption of building energy. Additionally, the proposed project would not result in a substantial increase in demand or transmission service, resulting in the need for new or expanded sources of energy supply or new or expanded energy delivery systems or infrastructure.

For the reasons described above, the proposed project would not place a substantial demand on regional energy supply or require significant additional capacity; significantly increase peak and base period electricity demand; cause wasteful, inefficient, and unnecessary consumption of energy during project construction, operation, and/or maintenance; or preempt future energy development or future energy conservation. Impacts would be less than significant.

**b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?**

The project would comply with the most current version of Title 24's CALGreen standards (Title 24, Part 11), which would ensure the project incorporates energy-efficient windows, insulation, lighting, ventilation systems, and water-efficient fixtures, as well as green building standards. Adherence to the Title 24 energy/CALGreen requirements will ensure conformance with the state's goal of promoting energy, water, and lighting efficiency. Therefore, the proposed project would not conflict with or obstruct renewable energy or energy efficiency plans and impacts would be less than significant.

## 4.0 INITIAL STUDY CHECKLIST

### VII. GEOLOGY AND SOILS

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>GEOLOGY AND SOILS:</b>				
<i>Would the project:</i>				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### Discussion

- a)i) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.**

The project site is not within an established state of California Earthquake Fault Zone for surface fault rupture hazards. No active or potentially active faults are known to pass beneath the site. Therefore, the potential for surface rupture due to faulting occurring

beneath the site during the design life of the proposed development is considered low. No impact would occur.

**a)ii) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving strong seismic ground shaking?**

Earthquake-related ground shaking can be expected during the design life of structures constructed on the site from earthquakes along active faults located in the region. Therefore, proposed structures must be designed to withstand anticipated ground accelerations. The state of California provides minimum standards for structural design and site development through the California Building Code (CBC) (California Code of Regulations, Title 24, Part 2). The Division of the State Architect (DSA) provides design and construction oversight for K-12 schools in the state to ensure that they comply with all structural, accessibility, and fire and life safety codes, including the CBC. The CBC incorporates design criteria for seismic loading and other geologic hazards, design criteria for geologically induced loading that govern sizing of structural members, and calculation methods to assist in the design process. Thus, while shaking impacts would be potentially damaging, structural damage would be reduced due to CBC criteria that recognize this potential. The CBC contains provisions for buildings to structurally survive an earthquake without collapsing and includes measures such as anchoring to the foundation and structural frame design. Compliance with the provisions of the CBC would ensure that the proposed project would reduce the risk of loss, injury, or death involving earthquake-related ground shaking to the greatest extent possible. Impacts would be less than significant.

**a)iii) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure, including liquefaction?**

The project site is not located within a state of California Seismic Hazard Zone for liquefaction. Additionally, the Natural Resources Conservation Service's Web Soil Survey indicates that soils on the project site are composed of well-drained Yolo silty clay loam, which has a low susceptibility to liquefaction (NRCS 2019). Impacts related to liquefaction would be less than significant.

**a)iv) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving landslides?**

The project site and vicinity are relatively flat and are, therefore, not within an area prone to landslides. There would be no impact related to landslides.

**b) Would the project result in substantial soil erosion or the loss of topsoil?**

The project site has a low potential for soil erosion because it is relatively flat. However, ground-disturbing activities could result in erosion. Mitigation measure **GEO-1** requires implementation of an erosion control plan, which would minimize the transport of soil or contaminants off-site. With implementation of mitigation measure **GEO-1**, the project would have less than significant impacts on soil erosion or loss of topsoil.

## 4.0 INITIAL STUDY CHECKLIST

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- c) **Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?**

Impacts related to landslides and liquefaction are discussed above. The proposed project would be constructed in accordance with the CBC, which is designed to ensure safe construction and includes building foundation requirements appropriate to site conditions. For these reasons, potential impacts to people or structures due to landslide, lateral spreading, subsidence, liquefaction, or collapse would be less than significant.

- d) **Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?**

The project site is part of an existing junior high school campus. As noted above, the project site contains Yolo silty clay loam, which the USDA does not describe as expansive (USDA 2018). For these reasons there would be no impact as a result of expansive soils.

- e) **Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?**

The project site is in an area where public wastewater infrastructure is available. The project would connect to public services. Septic and/or alternative wastewater disposal systems are not proposed for the project. No impact would occur.

- f) **Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?**

The Davis General Plan EIR (2000) does not identify paleontological or unique geologic resources within the City of Davis Planning Area. The project site is part of an existing junior high school campus and is previously disturbed. The proposed project includes minimal grading and trenching for utilities. Therefore, it is unlikely that paleontological resources would be encountered during construction activities. Impacts would be less than significant.

### Mitigation Measures

- GEO-1** The construction contractor shall implement an Erosion and Sediment Control Plan (ESCP). The ESCP shall contain, at a minimum, appropriate site-specific construction site BMPs, the rationale used for selecting or rejecting BMPs, a quantification of expected soil loss where necessary, a list of applicable permits directly associated with applicable grading activity, and evidence that those permits have been obtained.

Timing/Implementation: Prior to ground disturbance

Enforcement/Monitoring: Davis Joint Unified School District

## VIII. GREENHOUSE GAS EMISSIONS

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>GREENHOUSE GAS EMISSIONS:</b> <i>Would the project:</i>				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion****a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?**

The project site would require minor site preparation, including grading and trenching before the proposed buildings are installed; however, this would be temporary in nature. Additionally, the classroom buildings would be utilized by existing staff and students and, therefore, the proposed project would not increase vehicle miles traveled or mobile greenhouse gas (GHG) emissions.

For the reasons above, the proposed project would not generate a substantial amount of GHG emissions that would have a cumulative effect on the environment. Impacts would be less than significant.

**b) Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?**

Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006, requires California to reduce its GHG emissions to 1990 levels by 2020 and Senate Bill (SB) 32, passed in 2016, requires California to reduce its GHG emissions to 40 percent below 1990 levels by 2030. As discussed previously, the buildings would be utilized by existing staff and students and would not increase enrollment. Therefore, the project would not increase vehicle miles traveled or mobile emissions associated with new vehicle trips. In addition, the proposed project would comply with Title 24 standards, which would reduce operational energy demand for project operation, and thus GHG emissions from the new classrooms. Compliance with these standards would ensure the project would not conflict with plans or policies related to GHG emissions reductions.

## 4.0 INITIAL STUDY CHECKLIST

### IX. HAZARDS AND HAZARDOUS MATERIALS

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>HAZARDS AND HAZARDOUS MATERIALS:</b> <i>Would the project:</i>				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### Discussion

**a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?**

Public schools do not typically use, store, or transport hazardous materials beyond small quantities of common materials such as paints, pesticides, gasoline, and oil. Facilities staff would be required to use, store, and dispose of these materials in accordance with California law and product labels. During project construction, various hazardous materials would likely be used, such as diesel fuel, gasoline, and oil. Contractors would be required to use, store, and dispose of any hazardous materials in accordance with all applicable federal, state, and local regulations. The proposed project would involve the storage and use of small amounts of chemicals used in a typical school science classroom; however, science classes are already taught at the school, so these uses would be a continuation of

the existing operations of the school. Therefore, there would be no change from existing conditions. Any impacts related to routine transport, use, or disposal of hazardous materials would be less than significant.

- b) Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?**

Site preparation and installation of the project would include the transport, storage, and use of chemical agents, solvents, paints, and other hazardous materials commonly associated with construction activities. Construction activities, including chemical transport, storage, and use, would be required to comply with applicable regulations regarding transport, storage, and use of hazardous materials. Compliance with these regulations would minimize the potential for hazardous material releases. Therefore, this impact would be less than significant.

- c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?**

The project site is located on the campus of Ralph Waldo Emerson Junior High School. The proposed project is for the installation and operation of two relocatable classroom buildings that would house four science classrooms. The proposed classrooms may occasionally vent odors from indoor fume hoods, but this would not be hazardous in nature. Therefore, the project would have no impact on schools due to the release of hazardous materials.

- d) Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?**

No hazardous material sites compiled pursuant to Government Code Section 65962.5 were identified on or in the vicinity of the project site (DTSC 2019; SWRCB 2019; CalEPA 2019). Therefore, no impact would occur.

- e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?**

The project site is approximately 1.1 miles northeast of the UC Davis University Airport. However, the project site is part of an existing junior high school campus and the proposed project would not increase the number of enrolled students. Therefore, the proposed project would not expose people residing or working in the project area to a safety hazard or excessive noise. No impact would occur.

- f) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?**

The proposed project would not change existing transportation routes and, therefore, would not interfere with established evacuation or response plans. Impacts would be less than significant.

## 4.0 INITIAL STUDY CHECKLIST

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**g) Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?**

The project site is located in an urbanized area and is not adjacent to highly flammable vegetation, wildland areas, or rugged topography. The project site is not in a fire hazard severity zone (Cal Fire 2007). Therefore, development of the project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires. This impact would be less than significant.



X. HYDROLOGY AND WATER QUALITY

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>HYDROLOGY AND WATER QUALITY:</b> <i>Would the project:</i>				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion**

**a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?**

The proposed project would not disturb more than 1 acre of soil. Therefore, the project is below the threshold that requires compliance with the National Pollution Discharge Elimination System General Permit for Construction Activities. Implementation of mitigation measure **GEO-1** would require the construction contractor to implement an erosion and sediment control plan to protect water quality during construction. Compliance with mitigation measure **GEO-1** would ensure that the proposed project does not result in impacts to water quality. Impacts would be less than significant.

## 4.0 INITIAL STUDY CHECKLIST

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- b) Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?**

Water is provided to the project site by the City of Davis, which pumps groundwater from the Yolo subbasin. A groundwater budget has not been calculated for the Yolo subbasin (Davis 2015). The proposed classroom buildings would not increase school enrollment and, therefore, would not result in a substantial increase in water demand. Additionally, a portion of the area that would accommodate the new buildings is partially paved, so it would not substantially increase impervious surface or interfere with groundwater recharge. For these reasons, the proposed project would result in less than significant impacts associated with the depletion of groundwater supplies and/or the interference of groundwater recharge.

- c)i) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would result in substantial erosion or siltation on- or off-site?**

No streams, rivers, wetlands or Waters of the U.S. exist on-site. The proposed project would be designed to convey stormwater into the City of Davis's stormwater conveyance system. Additionally, implementation of mitigation measure **GEO-1** would ensure that erosion and siltation does not occur on- or off-site during construction activities. Impacts would be less than significant.

- c)ii) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?**

The proposed project would increase impervious surface area on the project site. However, the project site is developed as a junior high school campus and a portion of the area where the buildings would be located is currently paved. The project would connect to the existing stormwater drainage system and would not result in flooding on- or off-site. Impacts would be less than significant.

- c)iii) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?**

The proposed project includes the installation and operation of two relocatable classroom buildings and would increase impervious surface area on the project site. However, the proposed project would connect to the existing stormwater drainage system and would not result in substantial additional sources of polluted runoff. Furthermore, the addition of the proposed classroom buildings would not substantially increase stormwater runoff. The existing stormwater drainage system would be able to accommodate increased flows. Impacts would be less than significant.

**c)iv) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would impede or redirect flood flows?**

The project site is in an area of 0.2 percent annual chance of flood and is not prone to flooding (FEMA 2010). The project site is not located near any streams or rivers and would not impede or redirect flood flows. No impact would occur.

**d) Would the project in flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?**

The site is not located in a coastal area. Therefore, tsunamis (seismic sea waves) are not considered a significant hazard at the site. Seiches are large waves generated in enclosed bodies of water in response to ground shaking or atmospheric phenomenon. No major water-retaining structures are located near the project site, so flooding from a seismically induced seiche is unlikely. Additionally, the project site is in an area of 0.2 percent annual chance of flood (FEMA 2010). Therefore, the risk of project inundation is low. Impacts would be less than significant.

**e) Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?**

As discussed above, implementation of mitigation measure **GEO-1** would ensure that water quality is protected during construction activities. Additionally, the proposed project would not create a substantial increase in the demand for groundwater; therefore, the project would not conflict with a water quality control plan or sustainable groundwater management plan. Impacts would be less than significant.

## 4.0 INITIAL STUDY CHECKLIST

### XI. LAND USE AND PLANNING

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>LAND USE AND PLANNING:</b> <i>Would the project:</i>				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### Discussion

**a) Would the project physically divide an established community?**

The project site is part of an existing junior high school campus. Therefore, the proposed project would not divide an established community and no impact would occur.

**b) Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?**

The project site is zoned as Planned Development and designated as Public/Semi-Public. The project would be required to comply with all applicable regulations and mitigation measures identified in this Initial Study to ensure there would be no significant environmental effects. The project would not conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect. No impact would occur.

## XII. MINERAL RESOURCES

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>MINERAL RESOURCES:</b> <i>Would the project:</i>				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

**a,b) Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? Would the project result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?**

According to the Mineral Lands Classification map for the Merritt Quadrangle, the project site is classified as MRZ-1, "areas where adequate information indicates that no significant mineral deposits are present, or where it is judged that little likelihood exists for their presence" (CDC 1988). Therefore, the project would not result in the loss of availability of a known mineral resource of value to the region or the state. No impact would occur.

## 4.0 INITIAL STUDY CHECKLIST

### XIII. NOISE

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>NOISE:</b> <i>Would the project result in:</i>				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### Discussion

- a) **Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?**

##### Short-Term Noise Generation/Exposure

Project construction would temporarily increase noise levels on the project site. Davis Municipal Code Section 24.02 allows the operation of construction equipment with a valid city permit between the hours of 7 a.m. and 7 p.m., Monday through Friday, and between the hours of 8 a.m. and 8 p.m., Saturdays and Sundays, if they meet at least one of the following noise limitations:

- No individual piece of equipment shall produce a noise level exceeding eighty-three dBA at a distance of twenty-five feet.
- The noise level at any point outside of the property plane of the project shall not exceed eighty-six dBA.
- The provisions of subdivisions (1) and (2) of this subsection shall not be applicable to impact tools and equipment; provided, that such impact tools and equipment shall have intake and exhaust mufflers recommended by manufacturers thereof and approved by the director of public works as best accomplishing maximum noise attenuation, and that pavement breakers and jackhammers shall also be equipped with acoustically attenuating shields or shrouds recommended by the manufacturers thereof and approved by the director of public works as best accomplishing maximum noise attenuation."

Implementation of mitigation measure **NOI-1** would reduce the impact of construction noise on surrounding residences and would be consistent with the construction-related

noise ordinances applicable to the land surrounding the project site (Davis Municipal Code Section 24.02). Mitigation measure **NOI-1** would ensure construction activities occur during daytime hours and not during the more sensitive nighttime hours. This impact would be less than significant with mitigation.

#### Long-Term Noise Generation

The project proposes the installation of two classroom buildings which would be utilized by existing staff and students. Therefore, the proposed project would not increase the number of vehicle trips during operation which could then increase traffic noise. Impacts would be less than significant.

**b) Would the project result in generation of excessive groundborne vibration or groundborne noise levels?**

The proposed project includes the installation and operation of two relocatable classroom buildings. The use of construction equipment may produce groundborne vibration and noise, but it would be temporary in nature and would be restricted to hours specified in mitigation measure **NOI-1**. Operation of the proposed project would not create excessive groundborne vibration or groundborne noise levels. Impacts would be less than significant.

**c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?**

The project site is located approximately 1.1 miles from the UC Davis University Airport. However, the project site is part of an existing junior high school campus and the proposed project would not increase the number of enrolled students. Therefore, the proposed project would not expose people residing or working in the project area to excessive noise levels from a private airstrip or a public airport. No impact would occur.

#### **Mitigation Measures**

- NOI-1** Construction activities shall be restricted to the hours between 7 a.m. and 7 p.m., Monday through Friday, and between the hours of 8 a.m. and 8 p.m., Saturdays and Sundays. In addition, at least one of the following noise limitations shall be met:
1. No individual piece of equipment shall produce a noise level exceeding 83 dBA at a distance of 25 feet.
  2. The noise level at any point outside of the property plane of the project shall not exceed 86 dBA.
  3. The provisions of subdivisions (1) and (2) shall not be applicable to impact tools and equipment; provided, that such impact tools and equipment shall have intake and exhaust mufflers recommended by manufacturers thereof and approved by the director of public works as best accomplishing maximum noise attenuation, and that pavement breakers and jackhammers shall also be equipped with acoustically attenuating shields or shrouds recommended by the

## 4.0 INITIAL STUDY CHECKLIST

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manufacturers thereof and approved by the director of public works as best accomplishing maximum noise attenuation.

Timing/Implementation: During construction activities

Enforcement/Monitoring: Davis Joint Unified School District



XIV. POPULATION AND HOUSING

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>POPULATION AND HOUSING:</b> <i>Would the project:</i>				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

- a) Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?**

The proposed project includes the installation and operation of two relocatable classroom buildings. The buildings would be utilized by existing staff and students and would not increase enrollment. Consequently, the project would not increase the capacity of the school such that population growth would occur. No impact would occur.

- b) Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?**

The project site is part of an existing junior high school campus; no housing exists on-site. Therefore, there would be no impact related to the displacement of people or housing.

## 4.0 INITIAL STUDY CHECKLIST

### XV. PUBLIC SERVICES

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>PUBLIC SERVICES:</b>				
a) <i>Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:</i>				
i) Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
v) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### Discussion

- a)i) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for fire protection?**

The Davis Fire Department provides fire protection and emergency medical services in Davis. The closest fire station is Fire Station 32, located approximately 3,000 feet to the northwest of the project site at 1350 Arlington Boulevard.

The project site is in an area already served by fire protection services. The addition of two relocatable classroom buildings would not result in a substantial increase in demand for fire protection. As required by the California Fire Code, the project would be required to include site-specific design features such as ensuring appropriate emergency access, requiring structures to be built with approved building materials, and installing fire sprinklers, as applicable. Conformance with the Fire Code reduces the risks associated with fire hazards. Therefore, project impacts related to fire protection services would be less than significant.

- a)ii) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for police protection?**

Police protection services are provided by the Davis Police Department (DPD). The project site is in an area already served by police protection services and the addition of four classrooms to serve existing students would not increase calls for police services. The DPD would be able to serve the project without requiring additional facilities. As such, impacts on police protection services are considered less than significant.

- a)iii) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for schools?**

Public schools in Davis are maintained by the Davis Joint Unified School District (DJUSD). The proposed project includes the installation and operation of two relocatable classroom buildings at Ralph Waldo Emerson Junior High School, which would be beneficial to DJUSD. Therefore, no impact to school facilities would occur.

- a)iv) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for parks?**

The Davis Department of Parks and Community Services is responsible for developing and operating parks, recreation facilities, and programs serving the City of Davis. As discussed in Section XIV, Population and Housing, the proposed project would not result in population growth. Therefore, the proposed project would not cause increased use of existing parks. There would not be an increased demand for park services and no impact would occur.

- a)v) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for other public facilities?**

The Yolo County Library serves the City of Davis with two branches: Mary L. Stephens Davis Branch Library and South Davis Montgomery Library. As discussed above, the proposed project would not result in population growth. Therefore, there would not be an increased demand for library services and no impact would occur.

## 4.0 INITIAL STUDY CHECKLIST

### XVI. RECREATION

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>RECREATION:</b>				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### Discussion

- a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?**

As discussed in Section XV, Public Services, under question a(iv), population growth caused by the proposed project would not increase demand for park facilities. Therefore, no impact to recreational facilities as a result of the project would occur.

- b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?**

The proposed project includes the installation and operation of two relocatable classroom buildings. The proposed project would not include recreational amenities or result in the need for the construction or expansion of existing recreational facilities. No impact would occur.

## XVII. TRANSPORTATION

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>TRANSPORTATION:</b> <i>Would the project:</i>				
Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivisions (b)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion****a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?**

The proposed project includes the installation and operation of two relocatable classroom buildings on an existing junior high school campus. The project would not increase the enrollment at the school; thus, it would not result in additional demand on roads, or bicycle or pedestrian facilities. Therefore, the project would not conflict with a program, plan, ordinance, or policy addressing transit, roadway, bicycle, and pedestrian facilities. No impact would occur.

**b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivisions (b)?**

The proposed project includes the installation and operation of two relocatable classroom buildings on an existing junior high school campus. Site preparation and installation of the classroom buildings would result in an increase of vehicle trips for construction workers, but this would be temporary in nature. Additionally, the classrooms would be utilized by existing staff and students and would not increase the enrollment at the school, so it would not result in new vehicle trips. Therefore, it would not increase vehicle miles traveled during the operation of the project. Impacts would be less than significant.

**c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?**

The proposed project includes the installation and operation of two relocatable classroom buildings on an existing junior high school campus. The project would not create a hazard due to a geometric design feature or incompatible use. No impact would occur.

## 4.0 INITIAL STUDY CHECKLIST

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**d) Result in inadequate emergency access?**

The project site is located on an existing junior high school campus. The proposed project would not alter transportation routes and, therefore, would not result in inadequate emergency access. No impact would occur.

## XVIII. TRIBAL CULTURAL RESOURCES

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>TRIBAL CULTURAL RESOURCE:</b>				
a) <i>Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:</i>				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**Assembly Bill 52 Native American Consultation

Assembly Bill (AB) 52 requires the lead agency (in this case, the DJUSD) to begin consultation with any California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project if (1) the California Native American tribe requested to the lead agency, in writing, to be informed by the lead agency through formal notification of proposed projects in the geographic area that is traditionally and culturally affiliated with the tribe, and (2) the California Native American tribe responds, in writing, within 30 days of receipt of the formal notification and requests the consultation (Public Resources Code Section 21080.3.1 [d]).

## 4.0 INITIAL STUDY CHECKLIST

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- a)i,ii) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)? Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

No Native American tribes have requested consultation pursuant to AB 52, and therefore, no tribal resources could be identified in the project area. As such, there are no known tribal cultural resources (as defined in Public Resources Code Section 21074) within the project area. Therefore, the project would have no impact on tribal cultural resources.

In the event that tribal cultural resources are observed during project construction-related activities, mitigation measure **CUL-1** is in place to reduce impacts to a less than significant level.



## XIX. UTILITIES AND SERVICE SYSTEMS

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>UTILITIES AND SERVICE SYSTEMS:</b> <i>Would the project:</i>				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion**

- a) Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?**

The proposed project would connect to existing utilities, including water, sewer, electric power, and natural gas lines. As discussed below, the proposed project would add a negligible demand for these services and would not require facilities expansion.

As discussed in Section VI, Energy, the proposed project would not significantly increase demand for electricity or natural gas services. PG&E would be able to serve the project without the relocation or expansion of infrastructure. Impacts would be less than significant.

- b) Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?**

Water is supplied to the project site by the City of Davis. The proposed classroom buildings would be utilized by existing staff and students and would not increase school enrollment.

## 4.0 INITIAL STUDY CHECKLIST

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Therefore, demand for water would be similar to current conditions. Accordingly, adequate water supplies would be available to serve the project and impacts would be less than significant.

- c) Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?**

The project site is served by the City of Davis's Water Pollution Control Plant. The plant's current treatment capacity is 7.5 million gallons per day of average dry weather flow. The proposed project includes the installation and operation of two relocatable classroom buildings on an existing junior high school campus. The proposed classrooms would be utilized by existing staff and students, with no increase in student enrollment. The project would not substantially increase wastewater generation. Therefore, the wastewater treatment provider would have adequate capacity to serve the project's demand. Impacts would be less than significant.

- d) Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?**

The City of Davis receives services from Davis Recology to pick up solid waste, recyclables, and organic waste. The proposed project includes the installation and operation of two relocatable classroom buildings that would be used by existing staff and students. The project does not include substantial demolition and would not generate a substantial amount of additional solid waste during operation. Therefore, the proposed project would not generate solid waste in excess of state or local standards or in excess of the capacity of local infrastructure. Impacts would be less than significant.

- e) Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?**

The City of Davis receives services from Davis Recology for all waste hauling within the city. The City requires Davis Recology to meet the state-mandated waste diversion rate of 75 percent by 2020. Ralph Waldo Emerson Junior High School would continue to use Davis Recology for waste disposal after completion of the proposed project. Additionally, the project would be required to follow all federal, state, and local regulations regarding solid waste disposal. Compliance with these regulations would ensure that impacts would be less than significant.

## XX. WILDFIRE

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>WILDFIRE:</b> <i>If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:</i>				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Discussion**

**a-d) If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project substantially impair an adopted emergency response plan or emergency evacuation plan? Would the project, due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire? Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment? Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?**

The project site is within a Local Responsibility Area and is not designated as a fire hazard severity zone (Cal Fire, 2007). Additionally, the project vicinity is developed with irrigated landscaping, but no wildland vegetation. No impact would occur due to wildland fires.

## 4.0 INITIAL STUDY CHECKLIST

### XXI. MANDATORY FINDINGS OF SIGNIFICANCE

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>MANDATORY FINDINGS OF SIGNIFICANCE:</b>				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### Discussion

- a) **Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?**

There were no impacts to habitat, fish or wildlife species, nor plant or animal communities identified in this Initial Study. However, mitigation measures **BIO-1** and **BIO-2** were identified to reduce potential impacts on nesting birds and roosting bats.

Mitigation measure **GEO-1**, identified in Section VII, Geology and Soils, would reduce impacts to surface and groundwater quality resulting from erosion during construction activities to a less than significant level. The proposed project would not substantially degrade the quality of the environment.

Mitigation measure **CUL-1**, identified in Sections V, Cultural Resources, and Section XVII, Tribal Cultural Resources, would reduce potential impacts on cultural and historical resources to less than significant. The proposed project would not eliminate important examples of the major periods of California history or prehistory. Impacts would be less than significant with mitigation incorporated.

- b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?**

Operational effects of the project would minimally increase over existing conditions because the number of students attending the school would not increase due to the project. As discussed throughout this Initial Study, the proposed project would not result in potentially significant project-specific impacts. Because of this and the minimal operational impacts of the project, the potential for the project to result in cumulative effects in combination with other planned or anticipated improvements is low. The proposed project's impacts would not be cumulatively considerable, and this would be a less than significant impact.

- c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?**

The proposed project does not have the potential to significantly adversely affect humans, either directly or indirectly, once mitigation measures are implemented. With implementation of mitigation measure **NOI-1** and compliance with standard requirements, potential noise and vibration impacts would be less than significant. All potentially significant impacts are avoidable, and the District would impose measures to protect human beings.

## 4.0 INITIAL STUDY CHECKLIST

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