

# Appendix D Geological and Environmental Hazards Assessment Report

## Appendix

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June 2020 | Geological and Environmental Hazards Assessment Report

# MARE ISLAND TECHNOLOGY ACADEMY RENOVATION

for Mare Island Academy

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# 1. Introduction

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## 1.1 INTRODUCTION

This report has been prepared for the proposed Mare Island Technology Academy (project site) renovations and provides an evaluation on whether the proposed project conforms to the state school facility standards, which apply to state-funded new school facilities projects. The State of California's standards for school site selection are found in Title 5 of the California Code of Regulations (CCR) Section 14010; additional codes and regulations applicable to school facilities are found in the Education, Government, and Public Resources Codes.

## 1.2 PROJECT LOCATION

The project site is located at 2 Positive Place in the City of Vallejo, Solano County, California (a portion of Assessor's Parcel Number [APN] 0068011070). Regional access to the proposed project site is provided by State Route 37 (SR-37), located to the south. Surrounding the City of Vallejo is American Canyon to the north, Benicia to the east, and Crockett to the south, Figure 1, Regional and Vicinity Map, and Figure 2, Project Site, show the proposed project site in its surrounding and local contexts.

## 1.3 PROJECT DESCRIPTION

Mare Island Technology Academy is a charter school serving a combined total of over 900 middle and high school students. The Academy has been awarded Proposition 51 funds to construct permanent facilities where the school has operated in temporary, portable facilities since 1999. The structures will be removed, the site re-graded and a new campus constructed, consisting of two-story classroom buildings, administration building, multi-purposed building, gymnasium, outdoor play fields, and soccer field. Site improvements will also include onsite parking, improved vehicle circulation, landscaping, walkways and other amenities. The project would not increase capacity of the school.

## 1.4 CONCLUSIONS/RECOMMENDATIONS

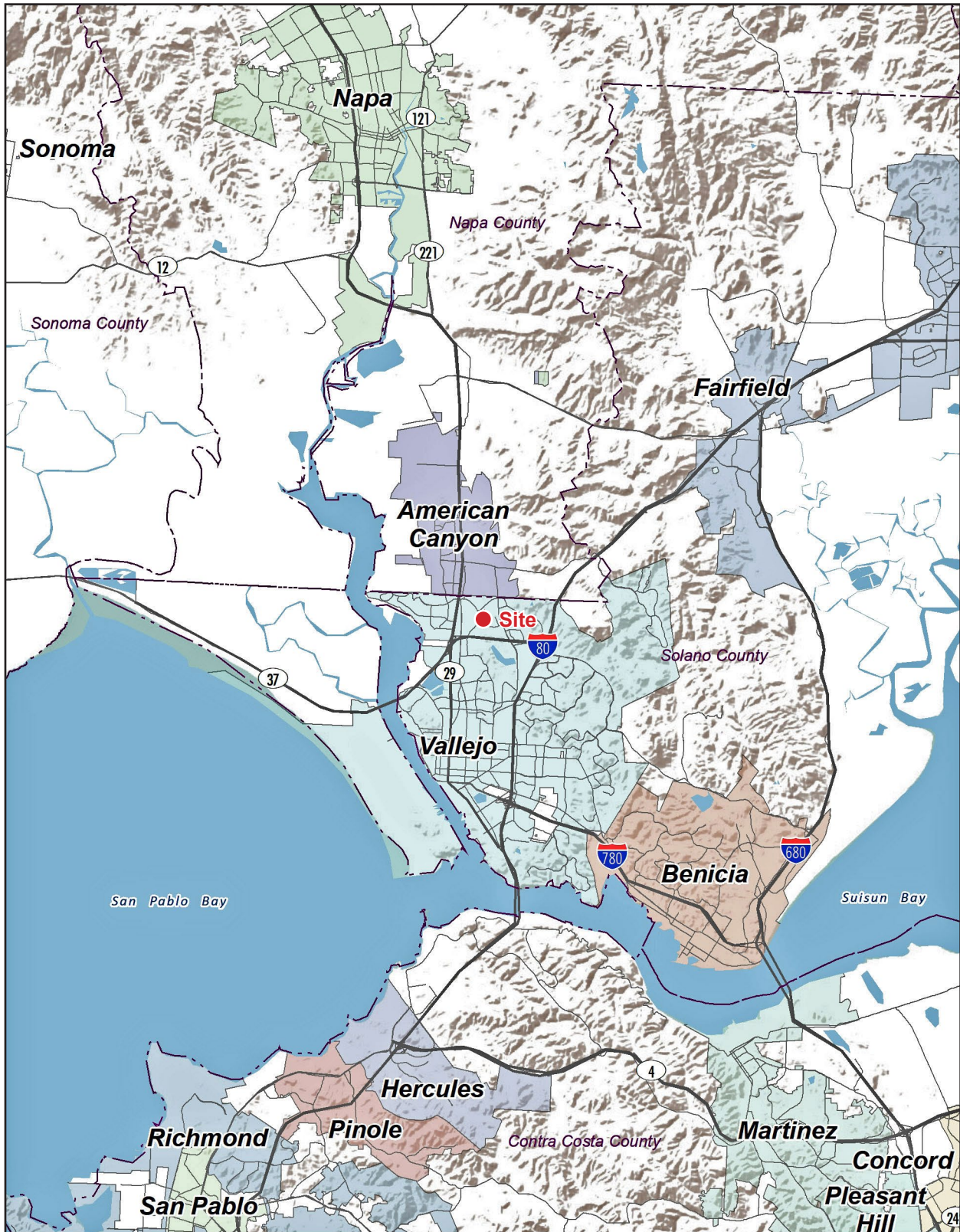
Based on a review of various information sources contained in this report, the following potentially environmental health and safety hazards are subject to further evaluation:

- Based on information provided by the City of Vallejo, there are six water mains with diameters of 12, 14, 30 and 42 inches in diameter within 1,500 feet of the proposed project site. A Water Pipeline Flooding Analysis is recommended to address these pipelines.
- The environmental investigation currently underway and conducted by PlaceWorks will determine whether a response action is necessary at the project site. Until this investigation is completed, a response action cannot be ruled out.

## 1. Introduction

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Figure 1 - Regional Location



Note: Unincorporated county areas are shown in white.



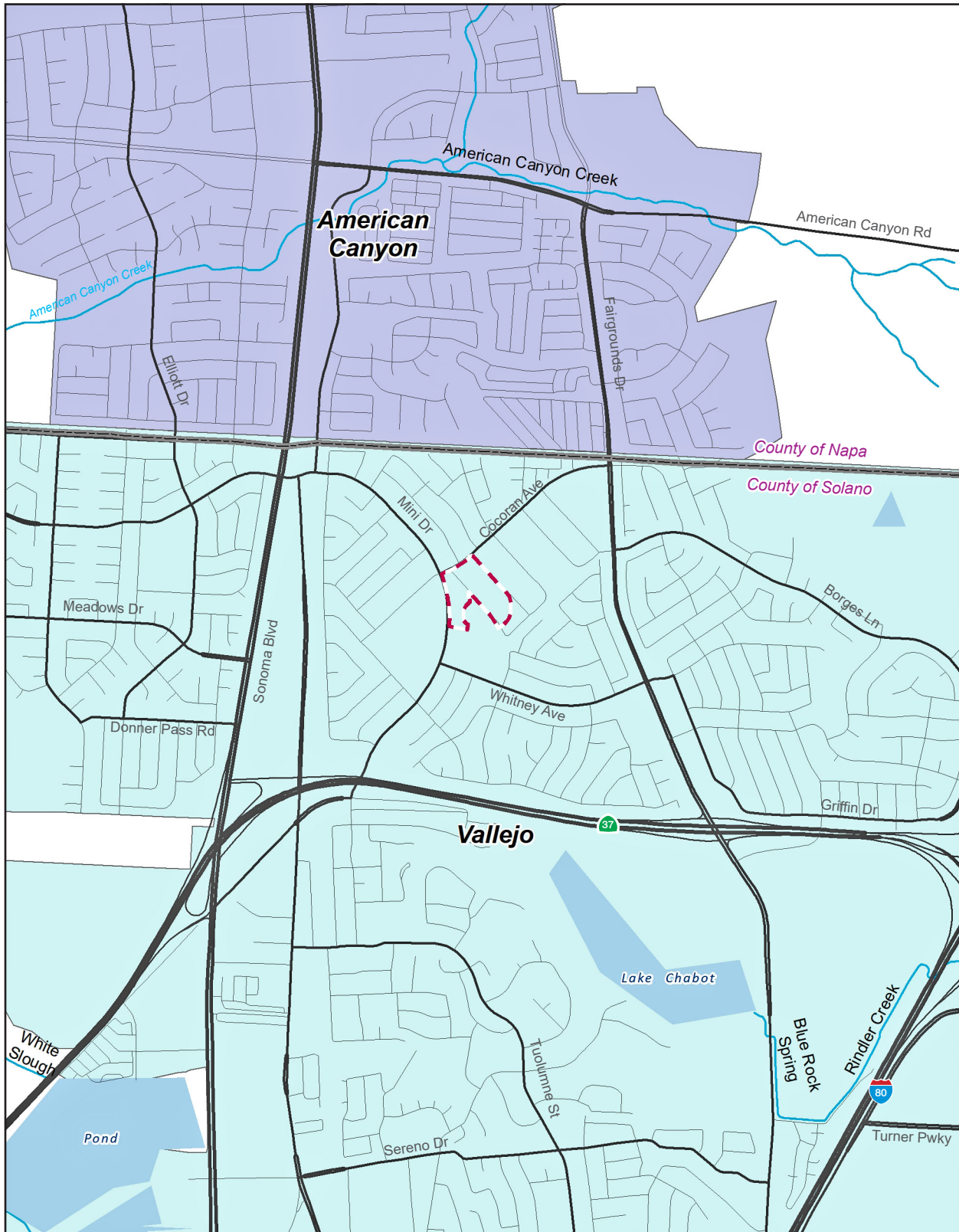
Source: ESRI, 2019



## 1. Introduction

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Figure 2 - Local Vicinity



Note: Unincorporated county areas are shown in white.

--- Project Boundary



Source: ESRI, 2019



## 1. Introduction

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Figure 3 - Aerial Photograph



--- Project Boundary

0 400  
Scale (Feet)

Source: ESRI, 2020



## 1. Introduction

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## 2. Environmental Checklist

### 2.1 STATE STANDARDS FOR SCHOOL FACILITIES

The State of California’s standards for school site selection are found in Title 5 of the California Code of Regulations (CCR) Section 14010, and additional codes and regulations applicable to school facilities are located in the Education, Government and Public Resources Codes. The following checklist provides a list of questions and code citations related to State-funded new school building/modernization approvals.

**STATE STANDARDS CHECKLIST FOR STATE-FUNDED SCHOOL FACILITIES—  
SCHOOL PLAN/MODERNIZATION APPROVAL  
(Documentation for SFPD 4.07, Part 4 C and SFPD 4.08B, Section 1)**

Topic	Code References
<b>Air Quality</b>	
Is the boundary of the proposed school site within 500 feet of the edge of the closest traffic lane of a freeway or busy traffic corridor? If yes, would the project create an air quality health risk due to the placement of the school?	Ed. Code § 17213(c)(2)(C); CCR Title 5 § 14010(q)
Would the project create an air quality hazard due to the placement of a school within one-quarter mile of: (a) permitted and non-permitted facilities identified by the jurisdictional air quality control board or air pollution control district; (b) freeways and other busy traffic corridors; (c) large agricultural operations; and/or (d) a rail yard, which might reasonably be anticipated to emit hazardous air emissions, or handle hazardous or acutely hazardous material, substances, or waste?	Ed. Code § 17213(b); CCR Title 5 § 14010(q)
<b>Geology and Soils</b>	
Does the site contain an active earthquake fault or fault trace, or is the site located within the boundaries of any special studies zone or within an area designated as geologically hazardous in the safety element of the local general plan?	Ed. Code, § 17212 and § 17212.5; CCR Title 5 § 14010(f)
Would the project involve the construction, reconstruction, or relocation of any school building on the trace of a geological fault along which surface rupture can reasonably be expected to occur within the life of the school building?	Ed. Code § 17212.5
Would the project involve the construction, reconstruction, or relocation of any school building on a site subject to moderate-to-high liquefaction, landslides, or expansive soils?	CCR, Title 5 § 14010(i) School Site Selection and Approval Guide, Appendix H
Are naturally occurring asbestos minerals located at the site?	School Site Selection and Approval Guide, Appendix H
<b>Hazards and Hazardous Materials</b>	
Is the proposed school site located near an aboveground water or fuel storage tank or within 1,500 feet of an easement of an aboveground or underground pipeline that can pose a safety hazard to the site?	CCR, Title 5 § 14010 (h)

## 2. Environmental Checklist

### STATE STANDARDS CHECKLIST FOR STATE-FUNDED SCHOOL FACILITIES— SCHOOL PLAN/MODERNIZATION APPROVAL

#### (Documentation for SFPD 4.07, Part 4 C and SFPD 4.08B, Section 1)

Is the property line of the proposed school site less than the following distances from the edge of respective power line easements: (1) 100 feet of a 50–133 kV line; (2) 150 feet of a 220–230 kV line; or (3) 350 feet of a 500–550 kV line?	CCR, Title 5 § 14010 (c)
If prepared, has the risk assessment been performed with a focus on children’s health posed by a hazardous materials release or threatened release, or the presence of naturally occurring hazardous materials on the schoolsite?	Ed. Code § 17210.1(a)(3)
If a response action is necessary and proposed as part of this project, has it been developed to be protective of children’s health, with an ample margin of safety?	Ed. Code § 17210.1(a)(4)
Is the proposed school site situated within 2,000 feet of a significant disposal of hazardous waste?	CCR, Title 5 § 14010 (t)
<b>Hydrology and Flooding</b>	
Is the project site subject to flooding or tank/dam inundation or street flooding?	Ed. Code § 17212 and 17212.5; CCR, Title 5 § 14010 (g) School Site Selection and Approval Guide, Appendix H
<b>Land Use and Planning</b>	
Would the proposed school conflict with any existing or proposed land uses, such that a potential health or safety risk to students would be created?	Ed. Code § 17213; Gov’t. Code § 65402; CCR, Title 5 § 14010 (m)
Are there easements on or adjacent to the site that would restrict access or building placement?	CCR, Title 5 § 14010(r)
Has the district considered environmental factors of light, wind, noise, aesthetics, and air pollution in its site selection process?	CCR, Title 5 § 14010(q)
<b>Noise</b>	
Is the proposed school site located adjacent to or near a major arterial roadway or freeway whose noise generation may adversely affect the educational program?	CCR, Title 5 § 14010 (e)
<b>Public Services</b>	
Does the site promote joint use of parks, libraries, museums, and other public services?	CCR, Title 5, § 14010 (o)
Is the site conveniently located for public services, including but not limited to fire protection, police protection, public transit and trash disposal wherever feasible?	CCR, Title 5, § 14010 (p)
<b>Transportation/Traffic</b>	
Are traffic and pedestrian hazards mitigated per Caltrans’ School Area Pedestrian Safety manual?	CCR, Title 5 § 14010 (l)
Is the proposed school site within 1,500 feet of a railroad track easement?	CCR, Title 5 § 14010 (d)
<u>School building</u> “means and includes any building used, or designed to be used, for elementary or secondary school purposes and constructed, reconstructed, altered, or added to...” (Ed. Code § 17283).	
Note: Any documentation related to the California Environmental Quality Act is provided under separate cover.	

## 3. Environmental Analysis

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Section 2.1 provided a checklist of the State of California's health and safety standards for school sites. This section provides documentation and evaluation of applicable standards and mitigation measures where appropriate.

### 3.1 AIR QUALITY

- 3.1.1 Is the boundary of the proposed school site within 500 feet of the edge of the closest traffic lane of a freeway or busy traffic corridor? If yes, would the project create an air quality health risk due to the placement of the school?

**No Significant Hazard.** Public Resources Code Section 21151.8(b)(9) and Education Code Section 17213(d)(9) define a "freeway or other busy traffic corridors" as roadways that on an average day have traffic in excess of 50,000 vehicles in a rural area or 100,000 vehicles in an urban area or 100,000 average daily trips (ADT). Residential and public facilities uses surround the proposed project site. Reviewing the City of Vallejo's Traffic Counts (2008), Mini Drive between from Whitney Avenue and Corcoran Street was measured at a total of 4,172 average daily trips. Fairgrounds Drive north of the intersection with Whitney Avenue was measured at a total of 20,447 average daily trips. The proposed project site is 0.30 miles north of the State Route 37 (SR-37) freeway. The proposed project site is not within 500 feet of the edge of the closest traffic land of a freeway or busy traffic corridor, therefore there is no significant hazard.

- 3.1.2 Would the project create an air quality hazard due to the placement of a school within one-quarter mile of: (a) permitted and non-permitted facilities identified by the jurisdictional air quality control board or air pollution control district; (b) freeways and other busy traffic corridors; (c) large agricultural operations; and/or (d) a rail yard, which might reasonably be anticipated to emit hazardous air emissions, or handle hazardous or acutely hazardous material, substances, or waste?

**No Significant Hazard.** The Bay Area Air Quality Management District (BAAQMD) has developed screening analysis tools for identifying stationary and mobile sources within a quarter-mile radius of project sites that have the potential to generate hazardous air emissions. BAAQMD's screening tools provide an easy-to-use initial comparison of health risks to determine if nearby emission sources may expose an existing or proposed new receptor to concentrations above BAAQMD's thresholds of significance. According to a review of BAAQMD's screening tools, there is one formerly permitted facility and no mobile sources within one-quarter mile of the site. The stationary source had a permit for a gas station at B&N Super Stop on Mini Drive about 0.23 miles west of the site which expired March 1, 2011. There are no longer any emissions from the formerly permitted facility, so there is no significant hazard, and no mitigation measures are required.



### 3. Environmental Analysis

## 3.2 GEOLOGY AND SOILS

The project site is within the Coast Ranges Geomorphic Province. The Coast Ranges Geomorphic Province is a long region of moderate relief containing many elongate ridges and narrow valleys that are approximately parallel to the coast. The Coast Ranges Geomorphic Province extends about 600 miles from the Oregon border to the Santa Ynez River and is subdivided into the ranges north of San Francisco Bay and ranges south of the bay to Santa Barbara County. The property itself sits atop Pleistocene alluvial fan deposits and Cretaceous Upper Great Valley Sequence, consisting of sandstone, siltstone, shale and minor conglomerate (Bezore et al. 1998; Wagner and Gutierrez 2010).

The project site is located at 38.15007 north latitude and 122.24450 west longitude in portions of Section 31 of Township 4 North, Range 3 West, and Section 36 of Township 4 North, Range 4 West of the Mount Diablo Base Line and Meridian. Based on a review of the Cordelia topographic map, the project site lies at an approximate elevation between 80 to 120 feet above sea level (USGS 2018). The topography in the vicinity of the project site has a general gradient toward the southwest (USGS 2018). The United States Department of Agriculture Natural Resources Conservation Services mapped the soil beneath the proposed project site. The soil component is Dibble clay loam soil, which has a slow infiltration rate. This soil is characterized by a moderately fine or fine texture (USDA 2019).

#### 3.2.1 Does the site contain an active earthquake fault or fault trace, or is the site located within the boundaries of any special studies zone or within an area designated as geologically hazardous in the safety element of the local general plan?

**No Significant Hazard.** Based on a review of the California Geological Survey (CGS) Fault Activity Map of California (2010), no active faults are known to have been mapped within the boundaries of the property. The nearest active fault to the project site is the West Napa Fault located approximately 0.56-miles north of the project site (CGS 2010).

#### 3.2.2 Would the project involve the construction, reconstruction, or relocation of any school building on the trace of a geological fault along which surface rupture can reasonably be expected to occur within the life of the school building?

**No Significant Hazard.** The site is not within or immediately adjacent (i.e., within a few hundred feet) of a fault zone (CGS 2019). The nearest, potentially active, fault is the West Napa Fault located approximately 0.56-miles north of the project site. Based on a review of City of Vallejo General Plan 2040 (2017), there are no known active faults on or immediately adjacent to the site and they map the project site in an area. On this basis, the potential for tectonic fault rupture at the site is considered negligible.

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### 3.2.3 Would the project involve the construction, reconstruction, or relocation of any school building on a site subject to moderate-to-high liquefaction, landslides, or expansive soils?

*No Significant Hazard.*

#### Liquefaction

Liquefaction refers to loose, saturated sand, or gravel deposits that lose their load-supporting capability when subjected to intense shaking. Liquefaction potential varies based upon three main contributing factors: 1) cohesionless, granular soils having relatively low densities (usually of Holocene age); 2) shallow groundwater (generally less than 50 feet); and 3) moderate to high seismic ground shaking.

Based on liquefaction hazard mapping in the City of Vallejo General Plan 2040 (2017), the site is in an area with low susceptibility for liquefaction. Therefore, the project will not expose people to adverse effects associated with liquefaction.

#### Landslides

Landslides are a type of erosion in which masses of earth and rock move down slope as a single unit. Susceptibility of slopes to landslides and other forms of slope failure depend on several factors. These factors are usually present in combination and include steep slopes, condition of rock and soil materials, the presence of water, formational contacts, geologic shear zones, and seismic activity.

The site is not within or immediately adjacent to a landslide zone (CGS 2019). The Relative Landslide Susceptibility Map for the Cordelia – Vallejo Area (Manson 1988) maps the project site within an area that is modified by grading. Therefore, the project will not expose people to adverse effects associated with landslides.

#### Expansive Soils

Expansive soils swell when they become wet and shrink when they dry out, resulting in the potential for cracked building foundations and in some cases, structural distress of the buildings themselves. In each case, minor to severe damage to overlying structures is possible. Based on information from the United States Department of Agriculture Natural Resources Conservation Services maps, the soil beneath the proposed expansion site is reported as Dibble clay loam soil which has a moderate potential be an expansive soil. However, since the site is a school site, CGS and DSA will ensure that the buildings are sufficiently mitigated for the condition. Therefore, the project will not expose people or the new school buildings to adverse effects associated with expansive soils.

### 3.2.4 Are naturally occurring asbestos minerals located at the site?

*No Significant Hazard.* A small outcropping of serpentine rock is within 10 miles of the project site (Van Gosen and Clinkenbeard 2011). The project site is approximately 1.5 miles to the west southwest of a small serpentine outcropping (Manson 1988). There are three ridges and two drainages between the project site and the outcropping (Manson 1988; USGS 2018). The two drainages between the outcrop and project site do not drain toward the project site and trend in a northwest to southeast direction. Therefore, project implementation

### 3. Environmental Analysis

would not result in the exposure of hazardous materials or naturally occurring hazardous materials on the school site.

### 3.3 HAZARDS AND HAZARDOUS MATERIALS

#### 3.3.1 Is the proposed school site located near an aboveground water or fuel storage tank or within 1,500 feet of an easement of an aboveground or underground pipeline that can pose a safety hazard to the site?

##### Aboveground Water or Fuel Storage Tanks

**No Significant Hazard.** No aboveground water or fuel storage tanks were identified within a 1,500-foot radius, based on a review of Google Earth Pro. The development of the project will not create a new hazard or exacerbate the current conditions.

##### Hazardous Substance Pipelines

**No Significant Hazard.** There are no petroleum or chemical pipelines within a 1,500-foot radius, according to the National Pipeline Mapping System (online mapping database (NPMS 2019)). According to the response from Pacific Gas & Electric (PG&E), there are no high pressure natural gas pipelines within 1,500 feet of the proposed project site. A copy of the response from PG&E is included in Appendix A. Therefore there is no significant hazard related to hazardous substance pipelines near the site.

##### Sewer and Water Pipelines

**Potentially Significant Hazard.** Based on information provided by the City of Vallejo, there are six water mains with diameters of 12, 14, 30 and 42 inches in diameter within 1,500 feet of the proposed project site. Below is a table of the high volume pipelines that are within the radius of concern. A Water Pipeline Flooding Analysis is recommended to address these pipelines. There are no pressurized sewers within 1,500-feet of the proposed project site. Copies of the correspondence with the City of Vallejo are included in Appendix A.

Type of Pipeline	Location and Distance from Project Site	Diameter
Potable water	Mini Drive, 25 feet to the west	12"
Potable water	Positive Place on-site	14"
Potable water	Whitney Avenue, ~790 feet to the south	12"
Potable water	Olympic Avenue, ~150 feet to the southeast	14"

### 3. Environmental Analysis

Raw water	Olympic Avenue, ~150 feet to the southeast	30"
Raw water	~160 feet to the east	42"

**3.3.2** Is the property line of the proposed school site less than the following distances from the edge of respective power line easements: (1) 100 feet of a 50–133 kV line; (2) 150 feet of a 220–230 kV line; or (3) 350 feet of a 500–550 kV line?

**No Significant Hazard.** According to Pacific Gas & Electric (PG&E), the property line of the project site is not within 100 feet of a 50-133 kilovolt (kV) line, 150 feet of a 220-230 kV line, or 350 feet of a 500-550 kV line. A copy of the response from PG&E is included in Appendix A.

**3.3.3** If prepared, has the risk assessment been performed with a focus on children’s health posed by a hazardous materials release or threatened release, or the presence of naturally occurring hazardous materials on the school site?

**No Significant Hazard.** Based on the information obtained from Environmental Data Resources (EDR), there is no evidence that a hazardous materials release or threatened release have occurred on the site or in the site vicinity. The project site is surrounded by residential uses, vacant land, and a number of commercial plots. No significant hazard from hazardous materials is expected at the project site. As stated in Section 3.2.4, no asbestos-containing rock formations are located within a 10-mile radius of the project site.

**3.3.4** If a response action is necessary and proposed as part of this project, has it been developed to be protective of children’s health, with an ample margin of safety?

**Potentially Significant Hazard.** The environmental investigation currently underway and conducted by PlaceWorks will determine whether a response action is necessary at the project site. Until this investigation is completed, a response action cannot be ruled out.

**3.3.5** Is the proposed school site situated within 2,000 feet of a significant disposal of hazardous waste?

**No Significant Hazard.** Based on review of the SWRCB GeoTracker website (2020), DTSC EnviroStor website (2020), and CalRecycle website (2020), the project site is not within 2,000 feet of a significant disposal of hazardous waste.

## 3.4 HYDROLOGY AND FLOODING

Based on an analysis of the topography in the site vicinity, sheet flow runoff from the site during periods of intense or prolonged precipitation would be expected to flow to the southwest. According to the FEMA flood map online service center, the proposed project site is located in an area of minimal flood hazard. No natural water bodies are present on the project site. Lake Chabot is located approximately 0.4 miles south of the project site.

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The project site is located within the Napa-Sonoma Lowlands subbasin of the Napa-Sonoma Valley Groundwater Basin. Hydrogeologic investigations were not performed on the site for this investigation; therefore, it is unknown to what extent localized variations in groundwater presence and flow occur on the site.

#### 3.4.1 Is the project site subject to flooding or tank/dam inundation or street flooding?

**No Significant Hazard.** According to the FEMA Map Service Center website, the site does not lie within a 100-year flood zone. The California Office of Emergency Service (Cal OES) Dam Inundation Map website does not show the project site within a dam inundation zone (2019). As stated in Section 3.3.1, there are no water tanks within 1,500 feet of the site.

### 3.5 LAND USE AND PLANNING

#### 3.5.1 Would the proposed school conflict with any existing or proposed land uses, such that a potential health or safety risk to students would be created?

**No Significant Hazard.** As shown in the aerial photograph in Figure 2, the project site is in an area characterized by suburban residential and commercial development. Properties within a quarter-mile radius of the site are generally zoned for residential, public facilities/institutions, and parks/open space. The zoning for the project site, according to the City of Vallejo Land Use Map, is public facilities (City of Vallejo, 2018). Therefore, there is no significant hazard to the project.

#### 3.5.2 Are there easements on or adjacent to the site that would restrict access or building placement?

**No Significant Hazard.** The project site is bisected by Positive Place and a water pipeline. If the school project were to include modification or the removal of Positive Place, the vacation of that easement or portion thereof would need to be enacted in coordination with the City of Vallejo. The easement for the water line overlaps with Positive Place. There is ample space within the site boundaries to construct buildings without moving this pipeline, although it does bisect the site.

#### 3.5.3 Has the district considered environmental factors of light, wind, noise, aesthetics, and air pollution in its site selection process?

##### Light and Wind

**No Significant Hazard.** The project site would be exposed to standard climate conditions experienced by the City of Vallejo in Solano County, California, which is generally characterized by Mediterranean conditions. As applicable, the operation of the proposed project would consider these environmental conditions. Therefore, project implementation would not expose site occupants to adverse light or wind conditions.

##### Aesthetics

**No Significant Hazard.** Project development would not degrade the existing visual character of the site as the project site is currently occupied by the Mare Island Technology Academy. The proposed project site is in an area with residential, school, and commercial land uses. The building of the proposed project would be

### 3. Environmental Analysis

consistent with the surrounding land uses. The character and quality of the site would not be incompatible with the nearby structures.

#### Air Pollution

**No Significant Hazard.** Public Resources Code Section 21151.8 and Education Code Section 17213 prohibit the approval of a project involving acquisition of a school site unless the following occur:

1. Consultation with an air pollution control district or air quality management district indicates that permitted and non-permitted facilities (including, but not limited to, freeways and other busy traffic corridors, large agricultural operations, and railyards, within one-fourth of a mile of the proposed school site that might be reasonably be anticipated to emit hazardous air emissions, or to handle hazardous or extremely hazardous materials, substances, or waste) or significant pollution sources do not exist; or
2. The facilities or other pollution sources exist, but one of the following conditions applies:
  - A. The health risks from the facilities or other pollution sources do not and will not constitute an actual or potential endangerment of public health to persons who would attend or be employed at the school.
  - B. The governing board finds that corrective measures required under an existing order by another government entity that has jurisdiction over the facilities or other pollution sources will, before the school is occupied, result in the mitigation of all chronic or accidental hazardous air emissions to levels that do not constitute an actual or potential endangerment of public health to persons who would attend or be employed at the proposed school. If the governing board makes this finding, the governing board shall also make a subsequent finding, prior to the occupancy of the school, that the emissions have been mitigated to these levels.
  - C. For a school site with a boundary that is within 500 feet of the edge of the closest traffic lane of a freeway or other busy traffic corridor, the governing board of the school district determines, through analysis pursuant to paragraph (2) of subdivision (b) of Section 44360 of the Health and Safety Code, based on appropriate air dispersion modeling, and after considering any potential mitigation measures, that the air quality at the proposed site is such that neither short-term nor long-term exposure poses significant health risks to pupils.
  - D. The governing board finds that neither of the conditions set forth in subparagraph (B) or (C) can be met, and the school district is unable to locate an alternative site that is suitable due to a severe shortage of sites that meet the requirements in subdivision (a) of Section 17213. If the governing board makes this finding, the governing board shall adopt a statement of Overriding Considerations pursuant to Section 15093 of Title 14 of the California Code of Regulations.

As stated in Section 3.1.2, based on a review of the Bay Area Air Quality Management District's online tools, there are no non-permitted facilities and one formerly permitted facility within a quarter mile of the site (BAAQMD 2019). In addition, there are no freeways or busy traffic corridors within 500 feet of the project site.

### 3. Environmental Analysis

#### 3.6 NOISE

##### 3.6.1 Is the proposed school site located adjacent to or near a major arterial roadway or freeway whose noise generation may adversely affect the educational program?

**No Significant Hazard.** The project site is located about 0.30-miles to the north of State Route 37. Residential dwellings surround the project site to the south, east, and northwest. Loma Vista Elementary School is to the northeast of the project site. Setterquist Park, Calvary Community Church, and Vallejo Fire Department Station 25 are southwest/west of the proposed project site. The proposed project would not exacerbate the current noise conditions at the site from traffic.

#### 3.7 PUBLIC SERVICES

##### 3.7.1 Does the site promote joint use of parks, libraries, museums, and other public services?

**No Significant Hazard.** The site could be made available for public use as the scheduling of scholastic purposes allows, following the Mare Island Technology Academy policies, and the Civic Center Act. No impacts to nearby public facilities and services would occur as a result of the proposed project. No significant impacts would occur as a result of the proposed project.

##### 3.7.2 Is the site conveniently located for public services, including but not limited to fire protection, police protection, public transit and trash disposal wherever feasible?

**No Significant Hazard.** The project site is located in a developed area. The project site will have regularly scheduled trash collection and access to public transit. Vallejo Fire Department Station 25 is approximately 380 feet northwest of the site. The American Canyon Police Department is located approximately 1.7 miles north of the proposed project site. The Mini and Corcoran Bus Stop is located about 130 feet west of the intersection of Positive Place and Corcoran Avenue, the Whitney and Olympic bus stop is located about 130 feet west of the intersection of Positive Place and Whitney Avenue, and the Mini and Whitney bus stop is located about 870 feet southwest of the project site. There is no significant hazard.

#### 3.8 TRANSPORTATION/TRAFFIC

##### 3.8.1 Are traffic and pedestrian hazards mitigated per Caltrans' School Area Pedestrian Safety manual?

**No Significant Hazard.** Based on existing conditions, the future project is not expected to have any significant traffic hazards to overcome. Furthermore, the School Area Pedestrian Safety Manual will be used as a guide, and decisions related to particular traffic control devices at particular locations shall be made on the basis of an engineering and traffic survey. The school governing board may request the appropriate city, county, or state agency to consider the installation of traffic control devices if the engineering and traffic survey determines the request to be justified. Traffic control devices include (Caltrans, 1996):

1. Warning signs and markings.
2. Variable speed limits.

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3. Intersection stop signs.
4. Flashing yellow beacons.
5. Traffic signals.
6. Remove visibility obstructions.
7. School Safety Patrol.
8. Adult Crossing Guard.
9. Pedestrian separation structures.
10. Pedestrian walkways along the roadway.
11. Pedestrian walkways separated from the roadway.
12. Parking controls and curb-use zones.

#### 3.8.2 Is the proposed school site within 1,500 feet of a railroad track easement?

**No Significant Hazard.** Based on a review of Google Earth, the project site is not within 1,500-feet of a railroad track easement.

### 3.9 EXEMPTIONS TO SITING STANDARDS

#### 3.9.1 Is the district seeking any exemptions to the standards found in CCR, Title 5, § 14010(c-i), (l), (m), (q), (c), (t)?

**No Significant Hazard.** The Mare Island Technology Academy will not be seeking any exemptions to the standards found in CCR Title 5 Section 14010.

#### 3.9.2 If so, has mitigation been identified that demonstrates that the standard may be overridden without compromising a safe and supportive school environment?

**No Significant Hazard.** The proposed project would comply with all CCR Title 5 standards.



### 3. Environmental Analysis

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## 4. References

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## 5. List of Preparers

---

### 5.1 LEAD AGENCY

Mare Island Technology Academy  
2 Positive Place  
Vallejo, California 94589

### 5.2 PLACEWORKS

Michael Watson, PG, Associate Geologist

Danielle Clendening, Intern

## 5. List of Preparers

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## Appendix A    Agency Information

## Appendix

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**Contact Lookup**

County: SOLANO Place: VALLEJO

Contact Type	Name	Code	Phone	Cell	Contact Name	Email	Comments	Description
AFTER HOURS	AFTER HOURS	COMNPA	<a href="tel:888-824-8219">888-824-8219</a>		CAL XOC ANYONE	<a href="mailto:CAL_XOC@cable.comcast.com">CAL_XOC@cable.comcast.com</a>		COMCAST-NAPA
AFTER HOURS	DAMAGE PREVENTION HOTLINE ANYONE	PACBEL	<a href="tel:800-332-1321">800-332-1321</a>				M-F 7PM - 6AM,24HR SAT & SUN	PACIFIC BELL
AFTER HOURS	AFTER HOURS	PGET58	<a href="tel:800-743-5000">800-743-5000</a>					PGE DISTR VALLEJO TEST CODE
AFTER HOURS	AFTER HOURS	PGEVJO	<a href="tel:800-743-5000">800-743-5000</a>		AFTER HOURS			PGE DISTR VALLEJO
AFTER HOURS	AFTER HOURS	VALSAN	<a href="tel:707-644-8949">707-644-8949</a>					VALLEJO SANITATION&FLOOD
ALTERNATE	JASON BRIGHT	PGET58						PGE DISTR VALLEJO TEST CODE
CONTACT	CAL XOC ANYONE	COMNPA	<a href="tel:888-824-8219">888-824-8219</a>		CAL XOC ANYONE	<a href="mailto:CAL_XOC@cable.comcast.com">CAL_XOC@cable.comcast.com</a>		COMCAST-NAPA
CONTACT	JOE TUCKER	PGET58	<a href="tel:707-648-5742">707-648-5742</a>					PGE DISTR VALLEJO TEST CODE
CONTACT	ADAM MAYFIELD	PGEVJO	<a href="tel:415-371-8099">415-371-8099</a>		ADAM MAYFIELD	<a href="mailto:A9MV@pge.com">A9MV@pge.com</a>		PGE DISTR VALLEJO
CONTACT	ANDY JANNINGS	VALSAN	<a href="tel:707-644-8949">707-644-8949</a>					VALLEJO SANITATION&FLOOD
DAMAGES	FACILITY DAMAGE/DIG-IN	COMNPA	<a href="tel:888-824-8219">888-824-8219</a>		CAL XOC ANYONE	<a href="mailto:CAL_XOC@cable.comcast.com">CAL_XOC@cable.comcast.com</a>		COMCAST-NAPA
DAMAGES	D D	CTVJOT	<a href="tel:707-333-3711">707-333-3711</a>					CITY VALLEJO TRAFFIC DIVISION
DAMAGES	D D	CTYVJO	<a href="tel:707-333-3711">707-333-3711</a>					CITY VALLEJO
DAMAGES	DAMAGE	PACBEL	<a href="tel:510-">510-</a>					PACIFIC BELL



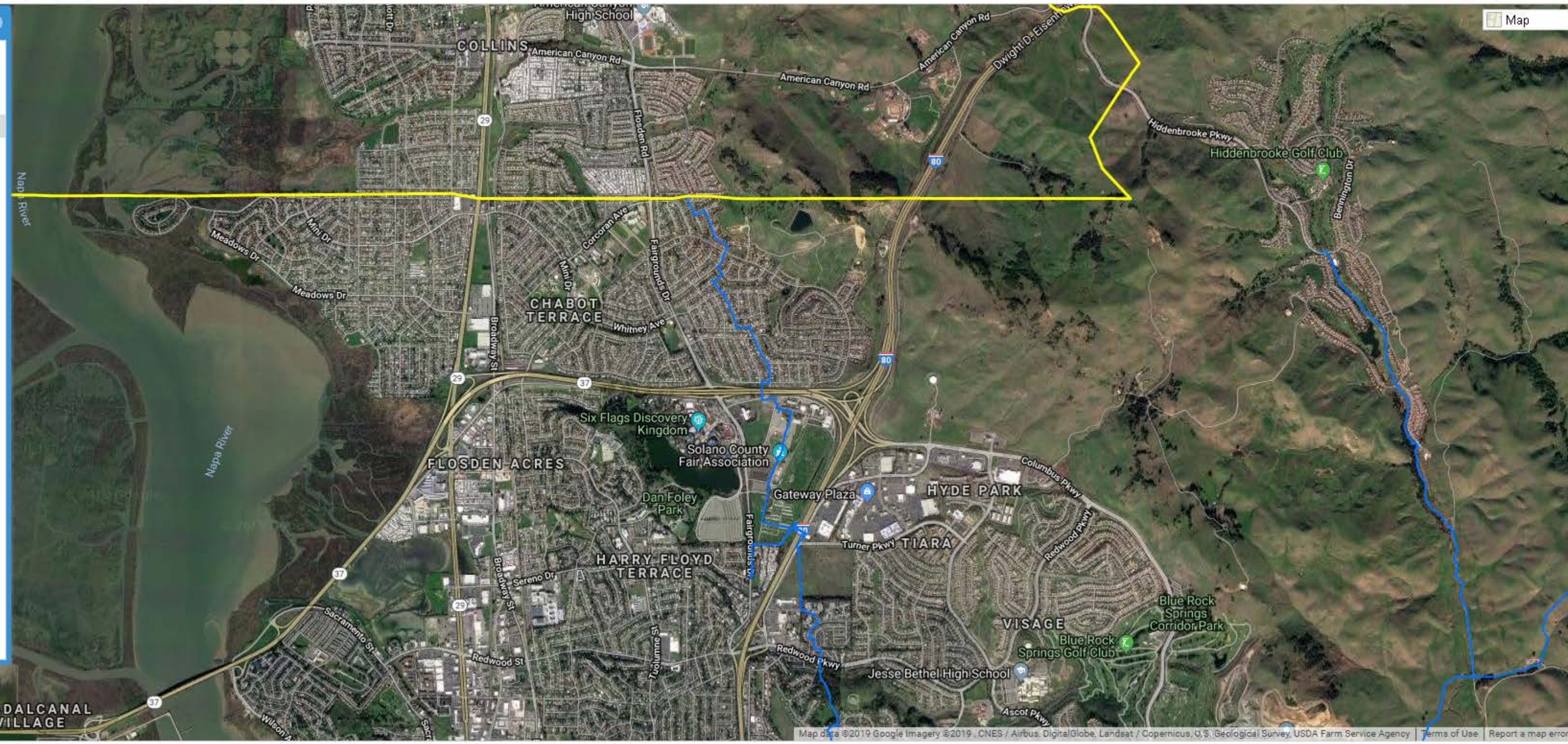
	PREVENTION HOTLINE ANYONE		<a href="tel:645-2929">645-2929</a>					
DAMAGES	D D	PGET58	<a href="tel:800-743-5000">800-743-5000</a>					PGE DISTR VALLEJO TEST CODE
DAMAGES	FACILITY DAMAGE/DIG- IN	PGEVJO	<a href="tel:800-743-5000">800-743-5000</a>		FACILITY DAMAGE/DIG- IN			PGE DISTR VALLEJO
DAMAGES	D D	VALSAN	<a href="tel:707-644-8949">707-644-8949</a>					VALLEJO SANITATION&FLOOD
DATABASE	WILLIAM BOYKIN	COMNPA	<a href="tel:925-424-0267">925-424-0267</a>		WILLIAM BOYKIN	<a href="mailto:William_Boykin@cable.comcast.com">William_Boykin@cable.comcast.com</a>		COMCAST-NAPA
DATABASE	ERNESTO CABRILLO	CTVJOT	<a href="tel:707-649-4810">707-649-4810</a>	<a href="tel:707-408-6110">707-408-6110</a>	DATABASE		AUTHORIZED TO MAKE MAPPING CHANGES	CITY VALLEJO TRAFFIC DIVISION
DATABASE	ERNESTO CABRILLO	CTYVJO	<a href="tel:707-649-4810">707-649-4810</a>	<a href="tel:707-408-6110">707-408-6110</a>	DATABASE	<a href="mailto:ERNESTO.CARRILLO@CITYOFVALLEJO.NET">ERNESTO.CARRILLO@CITYOFVALLEJO.NET</a>	AUTHORIZED TO MAKE MAPPING CHANGES	CITY VALLEJO
DATABASE	MARSHALL JOHNSON	PACBEL	<a href="tel:510-645-2929">510-645-2929</a>			<a href="mailto:mj2949@att.com">mj2949@att.com</a>		PACIFIC BELL
DATABASE	JASON BRIGHT	PGET58						PGE DISTR VALLEJO TEST CODE
DATABASE	STEVEN WALKER	PGET58	<a href="tel:415-695-3527">415-695-3527</a>			<a href="mailto:S1WR@PGE.COM">S1WR@PGE.COM</a>		PGE DISTR VALLEJO TEST CODE
DATABASE	CHRIS MCGOWAN	PGET58	<a href="tel:415-861-9018">415-861-9018</a>			<a href="mailto:c4me@pge.com">c4me@pge.com</a>		PGE DISTR VALLEJO TEST CODE
DATABASE	CHRISTINE L ADAMS	PGET58	<a href="tel:707-577-1028">707-577-1028</a>	<a href="tel:925-588-9567">925-588-9567</a>		<a href="mailto:CLLi@pge.com">CLLi@pge.com</a>		PGE DISTR VALLEJO TEST CODE
DATABASE	RAUN OLSON	PGET58	<a href="tel:925-244-3979">925-244-3979</a>			<a href="mailto:rwo9@pge.com">rwo9@pge.com</a>		PGE DISTR VALLEJO TEST CODE
DATABASE	KATHERIN MACK	PGET58	<a href="tel:925-328-5887">925-328-5887</a>			<a href="mailto:KLMS@PGE.COM">KLMS@PGE.COM</a>		PGE DISTR VALLEJO TEST CODE
DATABASE	TWYLA JAY	PGET58	<a href="tel:925-">925-</a>			<a href="mailto:TJJ4@pge.com">TJJ4@pge.com</a>		PGE DISTR VALLEJO

			<a href="tel:866-3323">866-3323</a>					TEST CODE
DATABASE	KEN TAYLOR	VALSAN	<a href="tel:707-644-8949">707-644-8949</a>			<a href="mailto:ktaylor@vsfcd.com">ktaylor@vsfcd.com</a>		VALLEJO SANITATION&FLOOD
EMERGENCY	EMERGENCY	COMNPA	<a href="tel:888-824-8219">888-824-8219</a>		CAL XOC ANYONE	<a href="mailto:CAL_XOC@cable.comcast.com">CAL_XOC@cable.comcast.com</a>		COMCAST-NAPA
EMERGENCY	DAMAGE PREVENTION HOTLINE ANYONE	PACBEL	<a href="tel:510-645-2929">510-645-2929</a>					PACIFIC BELL
EMERGENCY	CALL CENTER	PGET58	<a href="tel:800-743-5000">800-743-5000</a>				24 HRS	PGE DISTR VALLEJO TEST CODE
EMERGENCY	EMERGENCY	PGEVJO	<a href="tel:800-743-5000">800-743-5000</a>		EMERGENCY			PGE DISTR VALLEJO
EMERGENCY	EMERGENCY ANYONE	VALSAN	<a href="tel:707-644-8949">707-644-8949</a>					VALLEJO SANITATION&FLOOD
ENGINEERING	MARTINA GOMEZ	COMNPA	<a href="tel:925-424-0278">925-424-0278</a>		MARTINA GOMEZ	<a href="mailto:Martina_Gomez@cable.comcast.com">Martina_Gomez@cable.comcast.com</a>		COMCAST-NAPA
ENGINEERING	AT&T - RECORD REQUESTS CONSTRUCTION & EN	PACBEL				<a href="mailto:G08105@att.com">G08105@att.com</a>	AT&T - RECORD REQUESTS CONSTRUCTION & ENGINEERING	PACIFIC BELL
ENGINEERING	ENGINEERING	PGET58	<a href="tel:800-743-5000">800-743-5000</a>		ENGINEERING			PGE DISTR VALLEJO TEST CODE
ENGINEERING	ENGINEERING	PGEVJO	<a href="tel:877-743-7782">877-743-7782</a>		ENGINEERING			PGE DISTR VALLEJO
ENGINEERING	ROLF OHLEMUTZ	VALSAN	<a href="tel:707-644-8949">707-644-8949</a>			<a href="mailto:rohlemutz@vsfcd.com">rohlemutz@vsfcd.com</a>		VALLEJO SANITATION&FLOOD
RECEIVING LOCATION	DREW COOPER	COMNPA	<a href="tel:951-377-0689">951-377-0689</a>		DREW COOPER	<a href="mailto:drew.cooper@utiliquest.com">drew.cooper@utiliquest.com</a>		COMCAST-NAPA
RECEIVING LOCATION	JADE SANTOS	CTVJOT	<a href="tel:707-648-4556">707-648-4556</a>			<a href="mailto:covtroublecalls@ci.vallejo.ca.us">covtroublecalls@ci.vallejo.ca.us</a>		CITY VALLEJO TRAFFIC DIVISION

RECEIVING LOCATION	JADE SANTOS	CTYVJO	<a href="tel:707-648-4556">707-648-4556</a>			<a href="mailto:covtroublecalls@ci.vallejo.ca.us">covtroublecalls@ci.vallejo.ca.us</a>		CITY VALLEJO
RECEIVING LOCATION	MARSHALL JOHNSON	PACBEL	<a href="tel:510-645-2929">510-645-2929</a>			<a href="mailto:mj2949@att.com">mj2949@att.com</a>		PACIFIC BELL
RECEIVING LOCATION	R R	PGET58	<a href="tel:800-743-5000">800-743-5000</a>					PGE DISTR VALLEJO TEST CODE
RECEIVING LOCATION	KEN TAYLOR	VALSAN	<a href="tel:707-644-8949">707-644-8949</a>			<a href="mailto:ktaylor@vsfcd.com">ktaylor@vsfcd.com</a>		VALLEJO SANITATION&FLOOD
VACUUM	CAL XOC ANYONE	COMNPA	<a href="tel:888-824-8219">888-824-8219</a>		CAL XOC ANYONE	<a href="mailto:CAL_XOC@cable.comcast.com">CAL_XOC@cable.comcast.com</a>		COMCAST-NAPA
VACUUM	MARSHALL JOHNSON	PACBEL	<a href="tel:510-645-2929">510-645-2929</a>			<a href="mailto:mj2949@att.com">mj2949@att.com</a>		PACIFIC BELL
VACUUM	V V	PGET58	<a href="tel:800-743-5000">800-743-5000</a>					PGE DISTR VALLEJO TEST CODE
VACUUM	KEN TAYLOR	VALSAN	<a href="tel:707-644-8949">707-644-8949</a>			<a href="mailto:ktaylor@vsfcd.com">ktaylor@vsfcd.com</a>		VALLEJO SANITATION&FLOOD

**Map Layers**

- Accidents (Liquid)
- Incidents (Gas)
- Gas Transmission Pipelines
- Hazardous Liquid Pipelines
- LNG Plants
- Breakout Tanks
- Other Populated Areas (scale dependent)
- Highly Populated Areas (scale dependent)
- State Boundaries
  - abc Show Labels
- County Boundaries
  - abc Show Labels
- Map
- Satellite



## Mike Watson

---

**From:** Oscar Alcantar <Oscar.Alcantar@cityofvallejo.net>  
**Sent:** Monday, June 22, 2020 10:21 AM  
**To:** Mike Watson  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

Yes we do have a 42" . Very tough to see on that map

---

**Oscar Alcantar**  
**Water Distribution Superintendent**  
City of Vallejo Water Department  
111 Amador street Vallejo Ca. 94590  
Office 707-648-4105  
Fax 707-648-4086

---

**From:** Mike Watson <mwatson@placeworks.com>  
**Sent:** Monday, June 22, 2020 10:07 AM  
**To:** Oscar Alcantar <Oscar.Alcantar@cityofvallejo.net>  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

[https://www.cityofvallejo.net/city\\_hall/departments\\_divisions/water\\_department/water\\_conservation/monticello\\_pipeline\\_project](https://www.cityofvallejo.net/city_hall/departments_divisions/water_department/water_conservation/monticello_pipeline_project) Maybe it's a 42-inch line?

---

**From:** Mike Watson  
**Sent:** Monday, June 22, 2020 10:05 AM  
**To:** Oscar Alcantar <Oscar.Alcantar@cityofvallejo.net>  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

I think the water line terminates at the Fleming Hill Water Treatment Plant. Is there a supply line that the plant uses? If so, that's probably the water line that is depicted on the topographic map.

Thank you,

**MICHAEL J. WATSON, PG**  
**Associate Geologist**  
Professional Geologist CA #8177

<http://www.placeworks.com/>" style='position:absolute;margin-left:0;margin-top:127.85pt;width:108pt;height:21.55pt;z-index:251659264;visibility:visible;mso-wrap-style:square;mso-width-percent:0;mso-height-percent:0;mso-wrap-distance-left:0;mso-wrap-distance-top:0;mso-wrap-distance-right:9.35pt;mso-wrap-distance-bottom:0;mso-position-horizontal:left;mso-position-horizontal-relative:text;mso-position-vertical:absolute;mso-position-vertical-relative:text;mso-width-percent:0;mso-height-percent:0;mso-width-relative:page;mso-height-relative:page' o:button="t">

2850 Inland Empire Boulevard, Suite B | Ontario, California 91764  
909.989.4449 | mwatson@placeworks.com | placeworks.com

---

**From:** Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>  
**Sent:** Monday, June 01, 2020 7:11 AM  
**To:** Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)>  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

Sorry Mike , I can't make out what that is.

---

**Oscar Alcantar**  
**Water Distribution Superintendent**  
City of Vallejo Water Department  
111 Amador street Vallejo Ca. 94590  
Office 707-648-4105  
Fax 707-648-4086

---

**From:** Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)>  
**Sent:** Friday, May 29, 2020 2:14 PM  
**To:** Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

Hi Oscar,

I was wondering if you could help me with one more thing. We have a topo map of the area that depicts a pipeline that seems to terminate near Lake Chabot (attached; I made a red line to highlight it). Would you happen to know whose pipeline this is? I didn't see any other water agencies identified on the design lookup with USA North.

Thank you,

**MICHAEL J. WATSON, PG**  
**Associate Geologist**  
Professional Geologist CA #8177

<http://www.placeworks.com/>" style='position:absolute;margin-left:0;margin-top:127.85pt;width:108pt;height:21.55pt;z-index:251659264;visibility:visible;mso-wrap-style:square;mso-width-percent:0;mso-height-percent:0;mso-wrap-distance-left:0;mso-wrap-distance-top:0;mso-wrap-distance-right:9.35pt;mso-wrap-distance-bottom:0;mso-position-horizontal:left;mso-position-horizontal-relative:text;mso-position-vertical:absolute;mso-position-vertical-relative:text;mso-width-percent:0;mso-height-percent:0;mso-width-relative:page;mso-height-relative:page' o:button="t">

2850 Inland Empire Boulevard, Suite B | Ontario, California 91764  
909.989.4449 | mwatson@placeworks.com | placeworks.com

---

**From:** Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>  
**Sent:** Friday, May 29, 2020 7:37 AM  
**To:** Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)>  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

No problem , enjoy your week end.

---

**Oscar Alcantar**  
**Water Distribution Superintendent**  
City of Vallejo Water Department  
111 Amador street Vallejo Ca. 94590  
Office 707-648-4105  
Fax 707-648-4086

---

**From:** Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)>  
**Sent:** Thursday, May 28, 2020 4:11 PM  
**To:** Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

Thank you for all your help!

---

**From:** Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>  
**Sent:** Thursday, May 28, 2020 3:50 PM  
**To:** Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)>  
**Cc:** Ken Taylor <[Ktaylor@vsfcd.com](mailto:Ktaylor@vsfcd.com)>  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

Mike ,

Please reach out to Ken Taylor for any waste water questions.

Thanks

---

**Oscar Alcantar**  
**Water Distribution Superintendent**  
City of Vallejo Water Department  
111 Amador street Vallejo Ca. 94590  
Office 707-648-4105  
Fax 707-648-4086

---

**From:** Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)>  
**Sent:** Thursday, May 28, 2020 2:01 PM  
**To:** Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>  
**Cc:** John Palesi <[John.Palesi@cityofvallejo.net](mailto:John.Palesi@cityofvallejo.net)>  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

Hi Oscar,

Do you also know who I can ask about force sewer mains? I need to find out if there are any pressurized sewer mains within 1,500 feet of the site as well.

Thank you,

**MICHAEL J. WATSON, PG**  
**Associate Geologist**  
Professional Geologist CA #8177

<http://www.placeworks.com/>" style='position:absolute;margin-left:0;margin-top:127.85pt;width:108pt;height:21.55pt;z-index:251659264;visibility:visible;mso-wrap-style:square;mso-width-percent:0;mso-height-percent:0;mso-wrap-distance-left:0;mso-wrap-distance-top:0;mso-wrap-distance-right:9.35pt;mso-wrap-distance-bottom:0;mso-position-horizontal:left;mso-position-horizontal-relative:text;mso-position-vertical:absolute;mso-position-vertical-relative:text;mso-width-percent:0;mso-height-percent:0;mso-width-relative:page;mso-height-relative:page' o:button="t">

2850 Inland Empire Boulevard, Suite B | Ontario, California 91764  
909.989.4449 | [mwatson@placeworks.com](mailto:mwatson@placeworks.com) | [placeworks.com](http://placeworks.com)

---

**From:** Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>  
**Sent:** Wednesday, May 06, 2020 6:40 AM  
**To:** Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)>; John Palesi <[John.Palesi@cityofvallejo.net](mailto:John.Palesi@cityofvallejo.net)>  
**Cc:** Brooke OLeary <[Brooke.OLeary@cityofvallejo.net](mailto:Brooke.OLeary@cityofvallejo.net)>; Rosalia Navarro <[Rosalia.Navarro@cityofvallejo.net](mailto:Rosalia.Navarro@cityofvallejo.net)>; Danielle Clendening <[dbclendening@placeworks.com](mailto:dbclendening@placeworks.com)>; Steve Bush <[sbush@placeworks.com](mailto:sbush@placeworks.com)>; Frederick Mayo <[Frederick.Mayo@cityofvallejo.net](mailto:Frederick.Mayo@cityofvallejo.net)>  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

Good Morning Mr. Watson,

We have a 12" water line on Mini Drive, a 14" water line on Positive place, a 12" on Whitney Ave, and a 14" potable water and a 30" Raw water on Olympic Ave, and Olympic drive in the area you describe.

Please let me know if you need anything else.

Thank you.

---

**Oscar Alcantar**  
**Water Distribution Superintendent**  
City of Vallejo Water Department  
111 Amador street Vallejo Ca. 94590  
Office 707-648-4105  
Fax 707-648-4086



---

**From:** Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)>

**Sent:** Tuesday, May 5, 2020 1:52 PM

**To:** John Palesi <[John.Palesi@cityofvallejo.net](mailto:John.Palesi@cityofvallejo.net)>

**Cc:** Brooke OLeary <[Brooke.OLeary@cityofvallejo.net](mailto:Brooke.OLeary@cityofvallejo.net)>; Rosalia Navarro <[Rosalia.Navarro@cityofvallejo.net](mailto:Rosalia.Navarro@cityofvallejo.net)>; Danielle Clendening <[dbclendening@placeworks.com](mailto:dbclendening@placeworks.com)>; Steve Bush <[sbush@placeworks.com](mailto:sbush@placeworks.com)>; Frederick Mayo <[Frederick.Mayo@cityofvallejo.net](mailto:Frederick.Mayo@cityofvallejo.net)>; Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>

**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

Thank you!

---

**From:** John Palesi <[John.Palesi@cityofvallejo.net](mailto:John.Palesi@cityofvallejo.net)>

**Sent:** Tuesday, May 05, 2020 1:51 PM

**To:** Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)>

**Cc:** Brooke OLeary <[Brooke.OLeary@cityofvallejo.net](mailto:Brooke.OLeary@cityofvallejo.net)>; Rosalia Navarro <[Rosalia.Navarro@cityofvallejo.net](mailto:Rosalia.Navarro@cityofvallejo.net)>; Danielle Clendening <[dbclendening@placeworks.com](mailto:dbclendening@placeworks.com)>; Steve Bush <[sbush@placeworks.com](mailto:sbush@placeworks.com)>; Frederick Mayo <[Frederick.Mayo@cityofvallejo.net](mailto:Frederick.Mayo@cityofvallejo.net)>; Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>

**Subject:** Re: Pipeline Information Request for a School Site in Vallejo

Thank you Mr Watson, these requests need to go through Oscar and Fred from our distribution section. I have cc'ed them on this request.

John Palesi  
City of Vallejo  
Water Facilities Superintendent

Sent from a mobile Device

On May 5, 2020, at 1:33 PM, Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)> wrote:

Good Afternoon,

PlaceWorks had previously made a request for pipeline information surrounding MIT Academy, but now I also need to include Griffin Academy to this request (see attached figure). I did not see any response to my previous email. Could someone from the Vallejo Water Department let us know if there are any water lines within 1,500 feet of the MIT and Griffin Academies? Let me know if you need any other information to complete our request.

Thank you,

MICHAEL J. WATSON, PG  
Associate Geologist  
Professional Geologist CA #8177

[cid:image002.jpg@01D622E1.BF9CF950]<[https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.placeworks.com%2f&c=E,1,zY-IIWViDWulDU\\_90Rj7CNxRsLF-ERr5K6OZL\\_xBmgg1FLnuzcJNTQ-WLXhQg\\_uBZhH\\_Q5-HMX0il0wk7MTd5SslGvgCaAcND\\_CptjtOrLI7L2pfot8DfbM,&typo=1](https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.placeworks.com%2f&c=E,1,zY-IIWViDWulDU_90Rj7CNxRsLF-ERr5K6OZL_xBmgg1FLnuzcJNTQ-WLXhQg_uBZhH_Q5-HMX0il0wk7MTd5SslGvgCaAcND_CptjtOrLI7L2pfot8DfbM,&typo=1)>

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909.989.4449 | [mwatson@placeworks.com](mailto:mwatson@placeworks.com)<<mailto:mwatson@placeworks.com>> |  
[https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.placeworks.com%2f&c=E,1,orxU2Vd9p9lyi5Aktbh3\\_oXQO4fvPKVw7jGDnbnqygaW0Qzp5O\\_UkgtRz20CJOZoz4DK1ncUnpywS\\_8V8L](https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.placeworks.com%2f&c=E,1,orxU2Vd9p9lyi5Aktbh3_oXQO4fvPKVw7jGDnbnqygaW0Qzp5O_UkgtRz20CJOZoz4DK1ncUnpywS_8V8L)

[eAICDIESDxSOILjAeiy3bQRiFqixk42vXZ&typo=1](mailto:ebush@placeworks.com)>

From: Mike Watson

Sent: Thursday, August 22, 2019 2:14 PM

To: [brian.vanciel@cityofvallejo.net](mailto:brian.vanciel@cityofvallejo.net); [john.palesi@cityofvallejo.net](mailto:john.palesi@cityofvallejo.net); [brooke.oleary@cityofvallejo.net](mailto:brooke.oleary@cityofvallejo.net)

Cc: Steve Bush <[sbush@placeworks.com](mailto:sbush@placeworks.com)>; Danielle Clendening <[dbclendening@placeworks.com](mailto:dbclendening@placeworks.com)>

Subject: Pipeline Information Request for a School Site in Vallejo

Importance: High

Good Afternoon,

Mare Island Technology Academy, in compliance with CCR Title V Section 14010 (h), has contracted the services of PlaceWorks to conduct a safety hazard assessments related to water pipelines that are 12-inches in diameter or greater located within a 1,500-foot radius of a school site in Vallejo, CA. The school site is located at 2 Positive Pl. I have attached a pdf of a map showing the exact location of the site outlined in yellow and an approximately 1,500-foot radius marked around the site in red.

This email is requesting information about any water pipelines 12-inches in diameter or greater operated by the Vallejo Water Department located within a 1,500-foot radius of the site. If there are no water lines that meet those specifications within the radius of the site, could I get a response stating such for the safety hazard report.

If this not the correct email to be sending such a request, could you please help direct this inquiry to the proper division.

Thank you so much for your help, please contact me if you have any questions or need more information.

MICHAEL J. WATSON, PG  
Associate Geologist  
Professional Geologist CA #8177

[cid:image004.jpg@01D622E1.BF9CF950]<[https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.placeworks.com%2f&c=E,1,15vNi9\\_zlXrDpG3eFhpfb1IFB3pEFV7E9Rf9vcGGUopdVBCgu9K2XnQfIOTsEebCZwWyrIrpwpN\\_f7Eh-TX0JuWr\\_-FLj6vUlciEf96ZFwE,&typo=1](https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.placeworks.com%2f&c=E,1,15vNi9_zlXrDpG3eFhpfb1IFB3pEFV7E9Rf9vcGGUopdVBCgu9K2XnQfIOTsEebCZwWyrIrpwpN_f7Eh-TX0JuWr_-FLj6vUlciEf96ZFwE,&typo=1)>

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909.989.4449 | [mwatson@placeworks.com](mailto:mwatson@placeworks.com)<<mailto:mwatson@placeworks.com>> | [https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.placeworks.com%2f&c=E,1,lzEryKHyF04uEyljEvMutEkGVY5k-aXeYskZ2uKc61pze1v6FL9\\_QQ8EBAIa7\\_4ts6j-iGTtoTW4JH7zHXxeA9QKvO45NSf1FqcFQzpWt35xz-Rd8GVMjfG4,&typo=1](https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.placeworks.com%2f&c=E,1,lzEryKHyF04uEyljEvMutEkGVY5k-aXeYskZ2uKc61pze1v6FL9_QQ8EBAIa7_4ts6j-iGTtoTW4JH7zHXxeA9QKvO45NSf1FqcFQzpWt35xz-Rd8GVMjfG4,&typo=1)>

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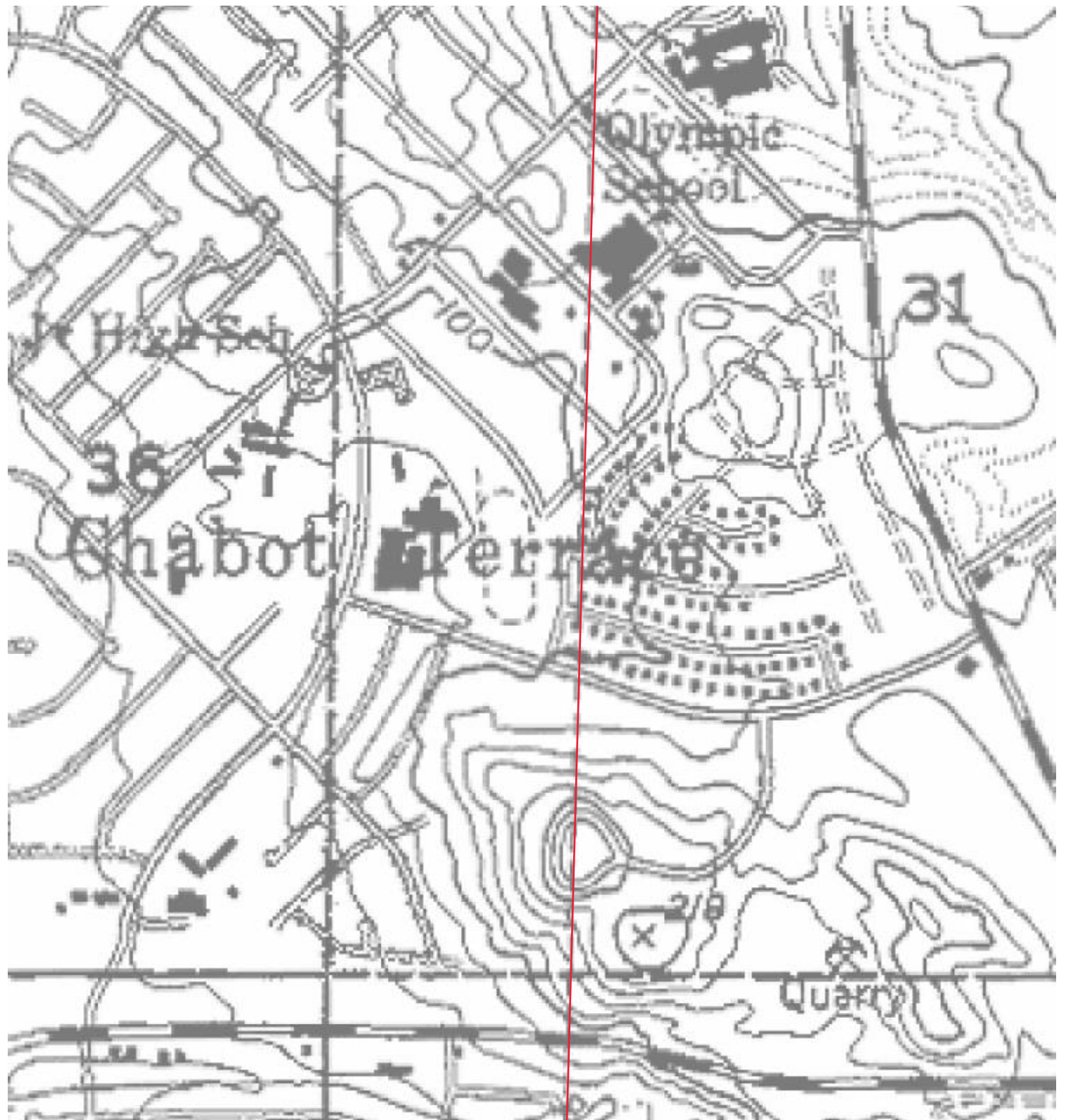
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## Mike Watson

---

**From:** Justin Keating <JKeating@vallejowastewater.org>  
**Sent:** Monday, June 01, 2020 8:43 AM  
**To:** Mike Watson  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

Hi Mike,

Ken Taylor retired as of May 14. I have taken his former position. The District does not have any force mains located in this vicinity. Let me know if you need any other information.

### Justin Keating

Director of Field Operations  
Vallejo Flood & Wastewater District  
450 Ryder Street  
Vallejo, CA 94590  
707-652-7823  
[jkeating@vallejowastewater.org](mailto:jkeating@vallejowastewater.org)

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---

**From:** Mike Watson <mwatson@placeworks.com>  
**Sent:** Thursday, May 28, 2020 4:13 PM  
**To:** Justin Keating <JKeating@vallejowastewater.org>  
**Subject:** FW: Pipeline Information Request for a School Site in Vallejo

Please see the message below for Ken.

Thank you,

**MICHAEL J. WATSON, PG**  
**Associate Geologist**  
Professional Geologist CA #8177

2850 Inland Empire Boulevard, Suite B | Ontario, California 91764  
909.989.4449 | [mwatson@placeworks.com](mailto:mwatson@placeworks.com) | [placeworks.com](http://placeworks.com)



---

**From:** Mike Watson  
**Sent:** Thursday, May 28, 2020 4:11 PM  
**To:** Ken Taylor <[Ktaylor@vsfcd.com](mailto:Ktaylor@vsfcd.com)>  
**Subject:** FW: Pipeline Information Request for a School Site in Vallejo

Hi Ken,


Can you let me know if there are any force sewer mains within 1,500 feet of the MIT Academy and Griffin Academy? I have attached a figure showing the site boundaries for the two sites. Let me know if you have any questions.

Thank you,

**MICHAEL J. WATSON, PG**  
**Associate Geologist**  
Professional Geologist CA #8177

2850 Inland Empire Boulevard, Suite B | Ontario, California 91764  
909.989.4449 | [mwatson@placeworks.com](mailto:mwatson@placeworks.com) | [placeworks.com](http://placeworks.com)

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**From:** Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>  
**Sent:** Thursday, May 28, 2020 3:50 PM  
 **PLACEWORKS** **To:** Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)>  
**Cc:** Ken Taylor <[Ktaylor@vsfcd.com](mailto:Ktaylor@vsfcd.com)>  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

Mike ,

Please reach out to Ken Taylor for any waste water questions.

Thanks

---

**Oscar Alcantar**  
**Water Distribution Superintendent**  
City of Vallejo Water Department  
111 Amador street Vallejo Ca. 94590  
Office 707-648-4105  
Fax 707-648-4086

---

**From:** Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)>  
**Sent:** Thursday, May 28, 2020 2:01 PM  
**To:** Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>  
**Cc:** John Palesi <[John.Palesi@cityofvallejo.net](mailto:John.Palesi@cityofvallejo.net)>  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

Hi Oscar,

Do you also know who I can ask about force sewer mains? I need to find out if there are any pressurized sewer mains within 1,500 feet of the site as well.

Thank you,

**MICHAEL J. WATSON, PG**  
**Associate Geologist**  
Professional Geologist CA #8177

<http://www.placeworks.com/>" style='position:absolute;margin-left:0;margin-top:127.85pt;width:108pt;height:21.55pt;z-index:251659264;visibility:visible;mso-wrap-style:square;mso-width-percent:0;mso-height-percent:0;mso-wrap-distance-left:0;mso-wrap-distance-top:0;mso-wrap-distance-right:9.35pt;mso-wrap-distance-bottom:0;mso-position-horizontal:left;mso-position-horizontal-relative:text;mso-position-vertical:absolute;mso-position-vertical-relative:text;mso-width-percent:0;mso-height-percent:0;mso-width-relative:page;mso-height-relative:page' o:button="t">

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909.989.4449 | mwatson@placeworks.com | placeworks.com

---

**From:** Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>  
**Sent:** Wednesday, May 06, 2020 6:40 AM  
**To:** Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)>; John Palesi <[John.Palesi@cityofvallejo.net](mailto:John.Palesi@cityofvallejo.net)>  
**Cc:** Brooke OLeary <[Brooke.OLeary@cityofvallejo.net](mailto:Brooke.OLeary@cityofvallejo.net)>; Rosalia Navarro <[Rosalia.Navarro@cityofvallejo.net](mailto:Rosalia.Navarro@cityofvallejo.net)>; Danielle Clendening <[dbclendening@placeworks.com](mailto:dbclendening@placeworks.com)>; Steve Bush <[sbush@placeworks.com](mailto:sbush@placeworks.com)>; Frederick Mayo <[Frederick.Mayo@cityofvallejo.net](mailto:Frederick.Mayo@cityofvallejo.net)>  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

Good Morning Mr. Watson,

We have a 12" water line on Mini Drive, a 14" water line on Positive place, a 12" on Whitney Ave, and a 14" potable water and a 30" Raw water on Olympic Ave, and Olympic drive in the area you describe.

Please let me know if you need anything else.

Thank you.

---

**Oscar Alcantar**  
**Water Distribution Superintendent**  
City of Vallejo Water Department  
111 Amador street Vallejo Ca. 94590  
Office 707-648-4105  
Fax 707-648-4086

---

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**Sent:** Tuesday, May 5, 2020 1:52 PM

**To:** John Palesi <[John.Palesi@cityofvallejo.net](mailto:John.Palesi@cityofvallejo.net)>

**Cc:** Brooke OLeary <[Brooke.OLeary@cityofvallejo.net](mailto:Brooke.OLeary@cityofvallejo.net)>; Rosalia Navarro <[Rosalia.Navarro@cityofvallejo.net](mailto:Rosalia.Navarro@cityofvallejo.net)>; Danielle Clendening <[dbclendening@placeworks.com](mailto:dbclendening@placeworks.com)>; Steve Bush <[sbush@placeworks.com](mailto:sbush@placeworks.com)>; Frederick Mayo <[Frederick.Mayo@cityofvallejo.net](mailto:Frederick.Mayo@cityofvallejo.net)>; Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>

**Subject:** RE: Pipeline Information Request for a School Site in Vallejo

Thank you!

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**Sent:** Tuesday, May 05, 2020 1:51 PM

**To:** Mike Watson <[mwatson@placeworks.com](mailto:mwatson@placeworks.com)>

**Cc:** Brooke OLeary <[Brooke.OLeary@cityofvallejo.net](mailto:Brooke.OLeary@cityofvallejo.net)>; Rosalia Navarro <[Rosalia.Navarro@cityofvallejo.net](mailto:Rosalia.Navarro@cityofvallejo.net)>; Danielle Clendening <[dbclendening@placeworks.com](mailto:dbclendening@placeworks.com)>; Steve Bush <[sbush@placeworks.com](mailto:sbush@placeworks.com)>; Frederick Mayo <[Frederick.Mayo@cityofvallejo.net](mailto:Frederick.Mayo@cityofvallejo.net)>; Oscar Alcantar <[Oscar.Alcantar@cityofvallejo.net](mailto:Oscar.Alcantar@cityofvallejo.net)>

**Subject:** Re: Pipeline Information Request for a School Site in Vallejo

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City of Vallejo  
Water Facilities Superintendent

Sent from a mobile Device

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Associate Geologist  
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[cid:image002.jpg@01D622E1.BF9CF950]<[https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.placeworks.com%2f&c=E,1,zY-IIWVidWulDU\\_90Rj7CNxRsLF-ERr5K6OZL\\_xBmgg1FLnuzcJNTQ-WLXhQg\\_uBZhH\\_Q5-HMX0il0wk7MTd5SslGvgCaAcND\\_CptjtOrLI7L2pfot8DfbM,&typo=1](https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.placeworks.com%2f&c=E,1,zY-IIWVidWulDU_90Rj7CNxRsLF-ERr5K6OZL_xBmgg1FLnuzcJNTQ-WLXhQg_uBZhH_Q5-HMX0il0wk7MTd5SslGvgCaAcND_CptjtOrLI7L2pfot8DfbM,&typo=1)>

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[eAICDIESDxSOILjAeiy3bQRiFqixk42vXZ&typo=1](mailto:ebush@placeworks.com)>

From: Mike Watson

Sent: Thursday, August 22, 2019 2:14 PM

To: [brian.vanciel@cityofvallejo.net](mailto:brian.vanciel@cityofvallejo.net); [john.palesi@cityofvallejo.net](mailto:john.palesi@cityofvallejo.net); [brooke.oleary@cityofvallejo.net](mailto:brooke.oleary@cityofvallejo.net)

Cc: Steve Bush <[sbush@placeworks.com](mailto:sbush@placeworks.com)>; Danielle Clendening <[dbclendening@placeworks.com](mailto:dbclendening@placeworks.com)>

Subject: Pipeline Information Request for a School Site in Vallejo

Importance: High

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Thank you so much for your help, please contact me if you have any questions or need more information.

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Associate Geologist  
Professional Geologist CA #8177

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909.989.4449 | [mwatson@placeworks.com](mailto:mwatson@placeworks.com)<<mailto:mwatson@placeworks.com>> | [placeworks.com](https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.placeworks.com%2f&c=E,1,lzEryKHyF04uEyljEvMutEkGVY5k-aXeYskZ2uKc61pze1v6FL9_QQ8EBAIa7_4ts6j-iGTtoTW4JH7zHXxeA9QKvO45NSf1FqcFQzpWt35xz-Rd8GVMjfG4,&typo=1)<[https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.placeworks.com%2f&c=E,1,lzEryKHyF04uEyljEvMutEkGVY5k-aXeYskZ2uKc61pze1v6FL9\\_QQ8EBAIa7\\_4ts6j-iGTtoTW4JH7zHXxeA9QKvO45NSf1FqcFQzpWt35xz-Rd8GVMjfG4,&typo=1](https://linkprotect.cudasvc.com/url?a=http%3a%2f%2fwww.placeworks.com%2f&c=E,1,lzEryKHyF04uEyljEvMutEkGVY5k-aXeYskZ2uKc61pze1v6FL9_QQ8EBAIa7_4ts6j-iGTtoTW4JH7zHXxeA9QKvO45NSf1FqcFQzpWt35xz-Rd8GVMjfG4,&typo=1)>

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\*\*\*\*\*

**From:** [Liu, Steven](#)  
**To:** [Danielle Clendening](#)  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo, CA  
**Date:** Monday, February 4, 2019 4:34:55 PM

---

Hi Danielle,

No high pressure (over 80 psig) gas pipelines are located within 1500ft of the requested site.

-steve

---

**From:** Liu, Steven  
**Sent:** Tuesday, January 29, 2019 6:15 PM  
**To:** 'Danielle Clendening' <[dbclendening@placeworks.com](mailto:dbclendening@placeworks.com)>  
**Subject:** RE: Pipeline Information Request for a School Site in Vallejo, CA

Hi Danielle,

I've received your request and can give you a response by next Tuesday.

-steve

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**From:** Danielle Clendening <[dbclendening@placeworks.com](mailto:dbclendening@placeworks.com)>  
**Sent:** Tuesday, January 29, 2019 11:43 AM  
**To:** [pipelinerequest@pge.com](mailto:pipelinerequest@pge.com)  
**Cc:** Liu, Steven <[S3Lg@pge.com](mailto:S3Lg@pge.com)>  
**Subject:** Pipeline Information Request for a School Site in Vallejo, CA

**\*\*\*\*\*CAUTION: This email was sent from an EXTERNAL source. Think before clicking links or opening attachments.\*\*\*\*\***

Good Afternoon,

Mare Island Technology Academy, in compliance with CCR Title V Section 14010 (h), has contracted the services of PlaceWorks to complete safety hazard assessments related to high pressure (over 80 psig) natural gas pipelines located within a 1,500-foot radius of the site. The school site is a 28.2-acre parcel located at 2 Positive Pl, Vallejo, California. I have attached a map that shows the site highlighted in yellow and an approximately 1,500-foot radius around the site in red.

This letter requests the location and diameter of all high pressure natural gas pipelines operated by Pacific Gas and Electric located within a 1,500-foot radius of the site.

If this not the correct email to be sending such a request, could you please help direct this inquiry to the proper division.

Thank you so much for your help, and please contact me if you have any questions or need more information.

**DANIELLE CLENDENING**

**Intern**

2850 Inland Empire Boulevard, Suite B | Ontario, California 91764  
909.989.4449 | [dbclendening@placeworks.com](mailto:dbclendening@placeworks.com) | [placeworks.com](http://placeworks.com)

**From:** [Allen, Michael](#)  
**To:** [Danielle Clendening](#)  
**Subject:** RE: Powerline Information Request for a School Site in Vallejo, CA  
**Date:** Tuesday, January 29, 2019 7:22:49 PM

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Hi Danielle,

There are no PG&E electric transmission lines 50kV or greater within 350 feet of the Vallejo site you have identified.

Let me know if there are any further questions.

Mike Allen  
Senior GIS Analyst  
Pacific Gas and Electric Company  
415-973-6083

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**From:** Danielle Clendening <dbclendening@placeworks.com>  
**Sent:** Tuesday, January 29, 2019 12:26 PM  
**To:** Allen, Michael <MJAm@pge.com>  
**Subject:** Powerline Information Request for a School Site in Vallejo, CA

**\*\*\*\*\*CAUTION: This email was sent from an EXTERNAL source. Think before clicking links or opening attachments.\*\*\*\*\***

Good Afternoon,

Mare Island Technology Academy, in compliance with CCR Title V Section 14010 (h), has contracted the services of PlaceWorks to complete a safety hazard assessment related to powerlines. The school site is located at 2 Positive Pl, Vallejo, CA.

I have attached a map to this email that shows the parcel outlined in yellow.

Given the following parameters, could you help me determine if the site is located near power transmission or distribution lines:

The property line of the site shall be at least the following distance from the edge of respective power line easements:

- (1) 100 feet for 50-133 kV line.
- (2) 150 feet for 220-230 kV line.
- (3) 350 feet for 500-550 kV line.

Thank you so much for all your help. Please contact me if you have any questions or need more information.

Best regards,

**DANIELLE CLENDENING**

**Intern**

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