

- estimates as one basis for purchasing decisions for major energy-using devices.
- h. Promote coordination of new public facilities with transit services and non-motorized transportation facilities, including bicycles, and design structures to enhance transit, bicycle, and pedestrian use.
- i. The City shall review all development plans prior to approval to guarantee that energy conservation and efficiency standards of Title 24 are met and are incorporated into the design of the future proposed project.

10.9 CULTURAL RESOURCES OBJECTIVE AND POLICIES

Prehistoric cultural resources in the San Francisco Bay region tend to be located near sources of fresh water, along the bay shore, and in the hills of Contra Costa County. A records search indicated that eight prehistoric archaeological sites have been recorded within the Antioch General Plan area.

Therefore, it is likely that additional unidentified prehistoric cultural resources exist within the Antioch area. The rapid urbanization of the study area during the late 20th century may have resulted in the burial of unknown cultural resources under modern development. To deter vandalism, artifact hunting, and other activities, which can damage cultural resources, the locations of cultural resources must be kept confidential. The legal authority to restrict cultural resource location information is in the National Historic Preservation Act of 1966, as amended Section 304, and California Government Code 6254.1. The Antioch Community Development Department maintains a map of known cultural resource sites.

Antioch is home to a variety of historical resources, ranging from landmark commercial buildings, to Victorian, Craftsman, and Modern-style homes, to churches, schools, and civic buildings. The City and environs also contain historical archaeological deposits associated with homes, farms, ranch sites, and industrial activities. Twenty historical

archaeological sites are recorded within the study area. The Antioch waterfront is a distinctive resource both on- and off-shore. Numerous shipwrecks are mapped on topographic maps and one submerged vessel is listed with the California State Lands Commission.

Fifty-six of Antioch's historical buildings and four monuments to vanished sites are listed on national, state, and local registers of historic properties and landmarks. The Directory of Properties in the Historic Property Data File (HPD), maintained by the state Office of Historic Preservation, is a master list of all resources that have been evaluated for potential eligibility for State and national registers of historic places. The HPD listing for the City of Antioch, as of February 2001, is attached as Appendix B to the General Plan. The Antioch Historical Society maintains a separate listing of designated City landmarks, which may overlap those included in the HPD. Historical resources primarily in the Downtown area that have been listed in the Antioch historical society are also identified in the General Plan EIR.

Numerous fossils have been collected from the Antioch Planning Area. Most of these collections are curated at the California Academy of Sciences, Golden Gate Park (CAS). The vertebrate fauna are curated at the University of California Museum of Paleontology, UC Berkeley (UCMP). A fossil locality search at the CAS identified marine pelecypod and gastropod fossils collected from almost all of the sedimentary formations located in Antioch. Literature review indicated that all of the formations north of Mt. Diablo contain fossils. At least eight fossil localities occur within and immediately adjacent to the Antioch Planning Area and another five are within a one-mile radius of the Planning Area. Fossils in the Planning Area identified by UCMP include mammoths, primitive horses, bison, rats, beaver-type creatures, and sloths.

10.9.1 Cultural Resources Objective

Preserve archaeological, paleontological, and historic resources within the Antioch Planning

Area for the benefit and education of future residents.

10.9.2 Cultural Policies

- a. Require new development to analyze, and therefore avoid or mitigate impacts to archaeological, paleontological, and historic resources. Require surveys for projects having the potential to impact archaeological, paleontological, or historic resources. If significant resources are found to be present, provide mitigation in accordance with applicable CEQA guidelines and provisions of the California Public Resources Code.
- b. If avoidance and/or preservation in the location of any potentially significant cultural resource is not possible, the following measures shall be initiated for each impacted site:
 - A participant-observer from the appropriate Indian Band or Tribe shall be used during archaeological testing or excavation in the project site.
 - Prior to the issuance of a grading permit for the project, the project proponent shall develop a test-level research design detailing how the cultural resource investigation shall be executed and providing specific research questions that shall be addressed through the excavation program. In particular, the testing program shall characterize the site constituents, horizontal and vertical extent, and, if possible, period of use. The testing program shall also address the California Register and National Register eligibility of the cultural resource and make recommendations as to the suitability of the resource for listing on either Register. The research design shall be submitted to the City of Antioch for review and comment. For sites determined, through the Testing Program, to be ineligible for listing on either the California or National Register, execution of the Testing Program will suffice as mitigation of project impacts to this resource.
 - After approval of the research design and prior to the issuance of a grading permit, the project proponent shall complete the excavation program as specified in the research design. The results of this excavation program shall be presented in a technical report that follows the City's outline for Archaeological Testing. The Test Level Report shall be submitted to the City for review and comment. If cultural resources that would be affected by the project are found ineligible for listing on the California or National Register, test-level investigations will have depleted the scientific value of the sites and the project can proceed.
 - If the resource is identified as being potentially eligible for either the California or National Register, and project designs cannot be altered to avoid impacting the site, a Treatment Program to mitigate project effects shall be initiated. A Treatment Plan detailing the objectives of the Treatment Program shall be developed. The Treatment Plan shall contain specific, testable hypotheses relative to the sites under study and shall attempt to address the potential of the sites to address these research questions. The Treatment Plan shall be submitted to the City for review and comment.
 - After approval of the Treatment Plan, the Treatment Program for affected, eligible sites shall be initiated. Typically, a Treatment Program involves excavation of a statistically representative sample of the site to qualify the site as being eligible for the California or National Register. At the conclusion of the excavation or research program, a Treatment Report shall be developed. This data recovery report shall be submitted to the City for review and comment.

- c. When existing information indicates that a site proposed for development may contain paleontological resources, a paleontologist shall monitor site grading activities with the authority to halt grading to collect uncovered paleontological resources, curate any resources collected with an appropriate reposition, and file a report with the Community Development Department documenting any paleontological resources found during site grading.
- d. As a standard condition of approval for new development projects, require that if unanticipated cultural or paleontological resources are encountered during grading, alteration of earth materials in the vicinity of the find be halted until a qualified expert has evaluated the find and recorded identified cultural resources.
- e. Preserve historic structures and ensure that alterations to historic buildings and their immediate settings are compatible with the character of the structure and the surrounding neighborhood.