

Amended Agenda Item No. 14

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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expected to be less than significant impact.

9. HYDROLOGY AND WATER QUALITY. Would the project:				
a) Violate any water quality standards or waste discharge requirements?			X	
b) Substantially degrade groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?				X
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?			X	
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or surface runoff in a manner which would result in flooding on- or off site?			X	
e) Create or contribute runoff which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?			X	
f) Otherwise substantially degrade water quality?			X	
g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?				X
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?			X	
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?			X	
j) Inundation by seiche, tsunami, or mudflow?			X	

a) The project site is located within Wildwood Creek. Currently, erosion to the existing embankment from prior storm events is causing the adjacent Wildwood Canyon Road to be in danger of being undermined and/or washed out. The proposed project would address the impacts from erosion and provide additional slope stability to reduce potential impacts from future storm events. As such, once all improvements occur, no changes to the water quality of the site would change. However, construction of the structural improvements to the Creek may result in the discharge of sediment and other construction by-products.

A Jurisdictional Delineation report was prepared in March, 2015, for the project by Jericho Systems, Inc. The Jurisdictional Delineation noted that Wildwood Creek is under the jurisdictions of United States Army Corps of Engineers (USACE), the Regional Water Quality Control Board (RWQCB, Santa Ana Region), and the California Department of Fish and Wildlife (CDFW). The scope of the proposed project is considered as a qualified activity under Nationwide Permit No. 13 (NWP-13). Therefore, a Clean Water Act Section 401 Water Quality Certification from the RWQCB and a Fish and Game Code Section 1602 Lake and Streambed Alteration Agreement from CDFW are required prior to construction, and will include Best Management Practices (BMPs) to minimize water quality impacts. In conformance with existing regulatory requirements, the City will also obtain coverage under the National Pollutant Discharge Elimination System (NPDES) general construction permit from the State Water Resources Control Board, and will prepare a Storm Water Pollution Prevention Plan (SWPPP) prior to the start of construction activities. The SWPPP will incorporate the applicable BMPs to minimize potential water quality impact and assure that potential water quality impacts from construction of the proposed project remain less than significant.

b) The proposed improvements to Wildwood Creek do not require the use of groundwater and will not affect an aquifer. The minor amounts of impervious surface created from the rock slope protection design will not interfere substantially with groundwater recharge rates or groundwater supplies. Therefore, no impacts will occur.

c-e) The proposed project does not substantially alter existing drainage or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site, and structural improvements to the bank of Wildwood Creek would be designed to maintain the historical alignment of the Creek and to not increase or decrease its existing capacity. Further, the bank