

IMPACTS	MITIGATION MEASURES	MONITORING ACTION/TIMING	RESPONSIBLE AGENCY	RELEASE SIGNATURE & DATE
C. GEOPHYSICAL				
C.1 Geologic Hazards	<p>C.1.1 A California Registered Civil Engineer (PE) with soils engineering expertise, a Registered Geotechnical Engineer or a Certified Engineering Geologist (CEG) should perform a final, detailed geotechnical investigation of the site before completion of the final building design. At a minimum, the geotechnical investigation should include the following tasks:</p> <ul style="list-style-type: none"> <li>a. Structures located on or adjacent to slopes where soils are susceptible to creep should be designed to resist lateral loads resulting from slow moving soil mass, or such slopes should be rebuilt to eliminate the risk of soil creep or landslides.</li> <li>b. Utilities should be installed below colluvial soils that are susceptible to creep;</li> <li>c. The location and quality of existing fill material should be evaluated for stability, settlement potential, suitability for foundation support and possible need for excavation and recompaction.</li> </ul>	<p>Prior to issuance of grading or building permits, review the final geotechnical investigation to verify that it adequately addresses the potential geologic hazards on the project site.</p> <p>Prior to issuance of grading or building permits, verify that the construction plans incorporate the recommendations of the final geotechnical investigation as approved by the appropriate Department of Public Works, as well as the requirements of the governing codes.</p> <p>Periodic field investigations should be conducted by the appropriate Department of Public Works engineering staff during construction phases of the project to verify project compliance with these project geotechnical mitigation measures.</p>	<p>DPW</p> <p>DPW</p> <p>DPW</p>	

	<p>C.1.2 All subsequent construction plans should incorporate the recommendations of the final geotechnical investigation, as approved by the Marin County Department of Public Works. The final project design should conform also to the requirements of Marin County Code, Titles 23 (Grading) and 24 (Development Standards), and the Uniform Building Code.</p>	<p>Prior to issuance of building permits, verify that improvements have been designed to incorporate the final geotechnical investigation and comply with applicable design standards and governing codes.</p>	<p>DPW</p>	
	<p>C.1.3 A Registered Civil Engineer should design the grading plans. A Registered Soils Engineer should stamp and sign the grading and foundation plans certifying that they conform to the recommendations of the final geotechnical investigation.</p>	<p>Registered Civil, Soils, Structural Engineers and/or Engineering Geologists should verify and certify in writing that the project complies with approved grading, and building permit plans, and incorporates the recommendations of the final geotechnical investigation.</p>	<p>DPW</p>	
	<p>C.1.4 All improvements should be designed by a Registered Structural Engineer to meet earthquake design standards.</p>	<p>Prior to issuance of building permits, verify that improvements have been designed to comply with applicable earthquake design standards.</p>	<p>DPW</p>	

IMPACTS	MITIGATION MEASURES	MONITORING ACTION/TIMING	RESPONSIBLE AGENCY	RELEASE SIGNATURE & DATE
C.2 Erosion	C.2.1 The project sponsor should submit with all construction plans an Erosion Control Plan that complies with Marin County or Town of Tiburon design requirements, which may include but are not limited to: restrictions on grading during wet weather, siltation fencing, hay bales and other drainage erosion control measures; stabilization of graded soils; hydroseeding; protection of graded soils from precipitation and runoff; and limiting construction equipment access.	<p>Prior to issuance of any grading or building permit, review and approve the Erosion Control Plan.</p> <p>All construction mitigation measures of the approved Erosion Control Plan should be required to be implemented by the project sponsor prior to, and during, the rainy season from October 15 to at least April 15.</p> <p>Periodic field investigations should be conducted during construction of the project to verify that the project complies with the approved Erosion Control Plan.</p>	<p>DPW</p> <p>DPW</p> <p>DPW</p>	



IMPACTS	MITIGATION MEASURES	MONITORING ACTION/TIMING	RESPONSIBLE AGENCY	RELEASE SIGNATURE & DATE
F. TRANSPORTATION				
F.2 Traffic Hazards.	<p>F.2.1 The project sponsor should submit a Construction Management Plan (CMP) that provides for traffic control measures, including signs, pylons, and flag people to minimize potential traffic hazards. The CMP should include standards for site maintenance and clean up. These standards should minimize the extent of and duration that construction debris is on the roadway, and should minimize possible hazards for cyclists from changes in surface material between the road surface and unsurfaced portions of the trench.</p> <p>F.3.1 The project sponsor should submit a construction management plan that provides for traffic control measures to preserve emergency vehicle access throughout construction.</p>	<p>Prior to issuance of any grading or building permit, staff should review and approve the Construction Management Plan (CMP).</p> <p>All construction mitigation measures of the approved CMP shall be implemented by the project sponsor throughout construction.</p> <p>Periodic field investigations should be conducted to confirm that all construction mitigation measures of the approved CMP should be implemented by the project sponsor throughout construction.</p> <p>Prior to issuance of any grading or building permit, the appropriate Department of public works staff should review and approve the CMP.</p> <p>All construction mitigation measures of the approved CMP shall be implemented by the project sponsor throughout construction.</p>	<p>DPW</p> <p>DPW</p> <p>DPW</p> <p>DPW</p> <p>DPW</p>	

IMPACTS	MITIGATION MEASURES	MONITORING ACTION/TIMING	RESPONSIBLE AGENCY	RELEASE SIGNATURE & DATE
N. CULTURAL RESOURCES				
	<p>N.1.1 In the event that any prehistoric or historic resources of importance are found during demolition, site preparation, or construction, all work in the immediate vicinity shall cease and the permitting agency (County or City) shall be immediately notified. Work shall not resume until a qualified archaeologist or historian is consulted to evaluate, document, and protect by either removal, capping with a layer of soil, or other technique found to be appropriate to protect the resource.</p>	<p>Periodic field investigations should be conducted during construction of the project to verify that no archaeological resources have been discovered.</p>	<p>DPW/LAFCO</p>	