

**TABLE OF APPLICABLE MITIGATION MEASURES
HEWLETT PACKARD CAMPUS OAKS MASTER PLAN AMENDMENT MITIGATION MONITORING PROGRAM**

Mitigation Measure	Implementation	Timing	Reviewing Party	Documents to be Submitted to City	Staff Use Only
<p>1996 Mitigation Measure 4.10-1: Provide Dust Controls.</p> <p>In order to reduce construction-generated PM10 emissions, the contractor shall comply with the dust control strategies developed by the Placer County APCD. The developer shall include in construction contracts the following requirements or measures shown to be equally effective:</p> <ul style="list-style-type: none"> a) The contractor shall water as indicated by City inspectors to keep all earth surfaces moist during clearing, grading, earthmoving and other site preparation activities. b) The contractor shall use tarpaulins or other effective covers for haul trucks that travel on public streets. c) The contractor shall sweep streets within and adjacent to the project as needed or as directed by City inspectors. d) The contractor shall schedule clearing, grading and earthmoving activities during periods of low wind speeds, and restrict those construction activities during high wind conditions with wind speeds greater than 20 mph average during an hour. e) The contractor shall control construction and site vehicle speed to 15 mph on unpaved roads. f) The contractor shall minimize open burning of wood and vegetative waste materials from both construction and operation of the project. No open burning shall occur unless it can be demonstrated to the Placer County APCD that alternatives have been explored. These alternatives may include, but are not limited to, chipping, mulching and conversion of biomass fuel. For any open burning, an APCD permit must be obtained in conformance with APCD Regulation 3 (Open Burning), Rules 301-325. 	<p>The applicants shall submit construction management plans as part of the Grading Permit or Improvement Plan application.</p> <p>Engineering will review plans for inclusion of these measures prior to issuance of permits or approval of plans.</p>	<p><i>Pre-Construction:</i> Prior to issuance of Grading Permits or Improvement Plans.</p> <p>Add as note on Improvement Plans.</p>	Engineering	Dust Control Plan and proof of submittal to PCAPCD	
<p>1996 Mitigation Measure 4.10-2(a): Maintain construction equipment and vehicles.</p> <p>The contractor shall reduce NOx, ROG and CO emissions by complying with the construction vehicle air pollutant control strategies developed by the Placer County APCD.</p>	<p>The applicants shall submit construction management plans as part of the Grading Permit application.</p> <p>Engineering will review grading plans for inclusion of these measures prior to issuance of grading permits.</p>	<p><i>Pre-Construction:</i> Prior to issuance of Grading Permits.</p> <p>Add as note on Improvement Plans.</p>	Engineering	None	
<p>1996 Mitigation Measure 4.10-2(b): Develop and Implement Construction Employee Trip Reduction Plan.</p> <p>Consistent with the City's TSM Ordinance, the construction contractor shall develop and implement a trip reduction plan designed to reduce construction-phase employee vehicle trips. Elements of this plan could include the following:</p> <ul style="list-style-type: none"> 1. Providing all construction employees with information relating to public transit facilities serving the site, such as bus routes and schedules; 2. Carpooling incentives, including incentives for carpool participants such as preferred on-site parking; and 3. Carpool rider matching services. 	<p>The applicants shall submit construction management plans as part of the Grading Permit application.</p> <p>Engineering will review grading plans for inclusion of these measures prior to issuance of grading permits.</p>	<p><i>Pre-Construction:</i> Prior to issuance of Grading Permits.</p> <p>Add as note on Improvement Plans.</p>	Engineering	None	
<p>2015 Mitigation Measure 3-1. Participation in Mitigation Program.</p> <p>The Applicant shall participate in the District's Offsite Mitigation Program by paying the equivalent amount of money, which is equal to the projects contribution of pollutants (ROG and NOx), which exceeds the cumulative threshold of 10 lbs per day. The estimated payment for the proposed project is \$65,274 based on \$16,640 per ton for a one year period. The actual amount to be paid shall be determined, and satisfied per current California Air Resource Board guidelines, at the time of recordation of the Final Map (residential projects), or issuance of a Building Permit (non-residential projects).</p>	<p>The applicants shall submit proof of payment as part of the Grading Permit application.</p>	<p><i>Pre-Construction:</i> Prior to issuance of Grading Permits.</p>	Engineering	Proof of payment.	

<p>1996 Mitigation Measure 4.5-5 – Develop and implement construction protocols.</p> <p>The Proposed Project shall include policies that require the implementation of construction protocols that include, but may not be limited to, the following:</p> <ul style="list-style-type: none"> Restrict construction activities to areas away from preserved oak and riparian habitat <p>Construction activities in the vicinity of oak trees shall be minimized. Laydown, staging, refueling and parking areas shall not be located adjacent to open space oak or riparian zones. Construction activities that by necessity occur in the vicinity of oak woodlands and riparian zones to be preserved. Encroachments or damage that have not been authorized by a tree permit shall be implemented as detailed in the Tree Preservation Ordinance.</p> <ul style="list-style-type: none"> Provide for construction parking away from sensitive habitat resources. <p>Parking areas for construction personnel shall be located a minimum of 350 feet from the drip line of any mature oak tree intended for preservation, where parking will not compact or contaminate soils, damage tree roots, or otherwise degrade trees intended for open space or landscape preservation.</p> <ul style="list-style-type: none"> Erect temporary barrier fencing to delimit protected areas. <p>Temporary fencing, consisting of five-foot orange construction drift fence, flagging, signs or other markings shall be erected around open space areas and restricted areas, and maintained for the duration of construction, to prevent inadvertent damage to natural resources. Fencing shall be maintained bi-weekly, and shall be the responsibility of an on-site compliance officer designated by the developer.</p> <p>The Applicant shall monitor and prepare annual reports as required by USCOE.</p>	<p>The applicants shall submit construction management plans as part of the Grading Permit or Improvement Plan application.</p> <p>Planning and Engineering will review plans for inclusion of these measures prior to issuance of permits or approval of plans.</p>	<p><i>Pre-Construction:</i> Prior to issuance of Grading Permits.</p> <p>Add as note on Improvement Plans and Grading Plans.</p>	<p>Planning and Engineering</p>	<p>None</p>	
<p>1996 Mitigation Measure 4.5-7 – Conduct pre-construction survey and implement restrictions.</p> <p>To ensure that fully protected and raptor species are not injured or disturbed, the Applicant shall implement one of the three following measures:</p> <p>A. All tree removal shall occur between August 30 and March 15 to avoid the breeding season of any raptor species that could be using the area. This period may be modified with the authorization of the DFG [DFW].</p> <p>-OR-</p> <p>B. Prior to the beginning of construction during the period between March 15 to August 30, all trees within 350 feet of any grading or earthmoving activity shall be surveyed for active raptor nests by a qualified biologist. If active raptor nests are found, a fence or equally effective demarcation shall be erected around the tree at a distance of 350 feet from the edge of the canopy to prevent construction disturbance and intrusions on the nest area.</p> <p>-OR-</p> <p>C. The Applicant shall confer with CDFG [CDFW] and develop measures that satisfy the requirements of CDFG [CDFW] and the City.</p> <p>Any raptor nest should be relocated according to CDFG [CDFW] protocol, or in consultation with CDFG [CDFW], to the nearest suitable nest tree. Alternatively, the Applicant could develop protocol to the satisfaction of CDFG [CDFW] and the City.</p>	<p>Results of preconstruction surveys shall be submitted prior to the issuance of a grading permit or Improvement Plans. Applicable construction restrictions shall be reflected within plans. The applicants shall prepare annual reports on the status and success of mitigation and shall submit these reports to USFWS and CDFG. The applicants shall coordinate with USFWS and CDFG to modify as necessary any mitigation plans in an effort to attain mitigation success.</p>	<p><i>Pre-Construction and Construction:</i> Surveys required prior to construction. If surveys are positive for birds, then remainder of mitigation steps are required prior to construction.</p> <p>Add as note on Improvement Plans and Grading Plans.</p>	<p>Planning and Engineering</p>	<p>Nesting bird Survey</p>	
<p>1996 Mitigation Measure 4.6-1. Unidentified Cultural Resources.</p> <p>In the event of the discovery of buried archaeological deposits it is recommended that project activities in the vicinity of the find should be temporarily halted and a qualified archaeologist consulted to assess the resource and provide proper management recommendations. Possible management recommendations for important resources could include resource avoidance or data recover excavations.</p>	<p>The applicants shall submit construction management plans as part of the Grading Permit or Improvement Plan application.</p> <p>Planning and Engineering will review plans for inclusion of these measures prior to issuance of permits or approval of plans.</p>	<p>Add as note on Improvement Plans and Grading Plans.</p>	<p>Planning and Engineering</p>	<p>None</p>	

<p>1996 Mitigation Measure 4.3-2. Site-specific geotechnical evaluation to assess development on soils characterized by slow permeability, low strength and high shrink-swell potential.</p> <p>To comply with General Plan Policies SA-2 and SA-3, a site-specific geotechnical evaluation shall be conducted as part of the development review process per the determination of the Public Works Director. Additionally, the site-specific geotechnical evaluations shall provide recommendations for development in areas with identified soil constraints, which shall be implemented during construction.</p>	<p>The applicants shall be responsible for conducting soil testing and/or recommendation of the Phase I environmental site assessments, if conditions are encountered which warrant such studies.</p>	<p><i>Construction:</i> Applies if conditions found which warrant assessment (e.g. stained soils, underground tanks).</p> <p>Add as note on Improvement Plans.</p>	<p>Engineering and Fire</p>	<p>Phase I environmental assessment, if conditions warrant</p>	
<p>1996 Mitigation Measure 4.4-4. Implement erosion control plan.</p> <p>Mitigation Measure 4.4-4 requires that for any construction activities that would disturb fewer than five acres of land, all contractors must prepare and retain on site an erosion control plan that includes a description of post-construction sediment, erosion control measures and maintenance responsibilities, and non-storm water management controls. The State General Permit requires implementation of BMPs. BMPs include schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce pollution (e.g., straw bales, dikes, silt fences, sediment traps, or similar methods). These measures would reduce water quality impacts associated with construction activities to a less-than-significant level.</p>	<p>The developer shall create a SWPPP, submit it to the City, and comply with its provisions.</p>	<p><i>Pre-Construction and Construction:</i> Submit SWPPP and ensure that BMPs remain in place during construction.</p> <p>Add as note on Improvement Plans and Building Plans.</p>	<p>Engineering</p>	<p>SWPPP</p>	
<p>2015 Mitigation Measure 12.1a:</p> <p>Construction contractors shall be required to limit construction activities to daytime hours from 7:00 a.m. to 7:00 p.m., Monday through Friday, and 8:00 a.m. to 8:00 p.m. on Saturday and Sunday.</p>	<p>The applicants shall submit construction management plans as part of the Grading Permit application.</p> <p>Engineering will review grading plans for inclusion of these measures prior to issuance of grading permits.</p>	<p><i>Pre-Construction:</i> Prior to issuance of Grading Permits.</p> <p>Add as note on Improvement Plans and Grading Plans.</p>	<p>Engineering</p>	<p>None</p>	
<p>2015 Mitigation Measure 12.1b:</p> <p>Construction contractors shall post signs at construction sites that include information on permitted construction days and hours, a day and evening contact number for the job site, and a contact number in the event of problems. An onsite complaint and enforcement manager shall respond to and track complaints and questions related to noise.</p>	<p>The applicants shall submit construction management plans as part of the Grading Permit application.</p> <p>Engineering will review grading plans for inclusion of these measures prior to issuance of grading permits.</p>	<p><i>Pre-Construction:</i> Prior to issuance of Grading Permits.</p> <p>Add as note on Improvement Plans and Grading Plans.</p>	<p>Engineering</p>	<p>None</p>	
<p>2015 Mitigation Measure 12.1c:</p> <p>The applicant shall require construction contractors working within 800 feet of an occupied residence to implement the following measures:</p> <ul style="list-style-type: none"> Equipment and trucks used for proposed project construction shall use the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically-attenuating shields or shrouds, wherever feasible). Impact tools (e.g., jack hammers, pavement breakers, and rock drills) used for proposed Project construction shall be hydraulically or electrically powered where feasible to avoid noise associated with compressed air exhaust from pneumatically powered tools. Where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves shall be used where feasible; this could achieve a reduction of 5 dBA. Quieter procedures, such as use of drills rather than impact tools, shall be used whenever feasible. Stationary construction noise sources shall be located as far from adjacent receptors as possible, and they shall be muffled and enclosed within temporary sheds, incorporate insulation barriers, or other measures to the extent this does not interfere with construction purposes. 	<p>The applicants shall submit construction management plans as part of the Grading Permit application.</p> <p>Engineering will review grading plans for inclusion of these measures prior to issuance of grading permits.</p>	<p><i>Pre-Construction:</i> Prior to issuance of Grading Permits.</p> <p>Add as note on Improvement Plans and Grading Plans.</p>	<p>Engineering, Code Enforcement</p>	<p>None</p>	

NOTE: This table is provided as a courtesy to the developer, to highlight the text of measures which are required to be placed on Improvement Plans and/or Building Plans. Refer to the applicable environmental document (e.g. Environmental Impact Report) for a full list of measures, and for context. Other measures may be applicable, but are not included here because they have already been completed or they are addressed via other mechanisms (e.g. development fees).