

Appendix G

California State Parks Standard Project Requirements

**California Department of Parks and Recreation
Resource Services
STANDARD PROJECT REQUIREMENTS**

General

- Prior to the start of on-site construction work, a [insert who] will consult with the contractor and project manager to identify all resources that must be protected.
- No track-mounted or heavy-wheeled vehicles will be allowed in identified environmentally sensitive areas at any time; foot traffic will only be allowed with specific permission from the State's Representative after clearance from [insert who].
 - At the discretion of [insert who], mechanized vehicles on [insert discipline] resource sites will be restricted to a short term use of rubber tire tractors only. All such vehicles must enter and exit the area via the same route of travel (by backing up). Vehicles are strictly prohibited from turning on the surface of site(s).
- Prior to the start of on-site construction work, a DPR-qualified [insert discipline] Resources Specialist will train construction personnel in [insert discipline] Resource identification and protection procedures.
- Prior to the start of on-site construction work, and at the discretion of a [insert who], a [insert who] will flag and/or fence all [insert discipline or resource] with a buffer of [insert distance] for avoidance during on-site construction activities. The [insert who] will remove the fencing after project completion.
- Prior to any earthmoving activities, a DPR-qualified [insert who] will approve all subsurface work, including the operation of heavy equipment within [insert distance] of the identified Environmentally Sensitive Area (ESA).
- Prior to the start of [insert type] work, [insert who] will notify the [insert Office name and who] or [insert alternative Office name and who] a minimum of three weeks in advance, unless other arrangements are made, to schedule [insert discipline or resource] monitoring.
- A DPR qualified [insert who] will monitor all ground disturbing phases of this project at his/her discretion.

Cultural Resources

General Cultural Standard Requirements

- If forest thinning activities are required within a culturally sensitive area, downed timber and other forest debris will be removed by aerial suspension; no portion of logs, slash or debris will be dragged across the surface.
- Prior to the start of on-site construction work, the [insert who] will notify the **Cultural Resources Supervisor**, unless other arrangements are made in advance, a minimum of three weeks to schedule a **Cultural Resource Specialist** to monitor work, as necessary, to ensure that removal and reconstruction of historic fabric will occur in a manner consistent with the Secretary of the Interior's Standards.
- Before, during, and after construction, a [insert who] will photo-document all aspects of the project and will add the photos to the historical records (archives) for the park.
- Prior to the start of on-site construction work, and to the extent not already completed, a [insert who] will map and record all cultural features within the proposed Area of Potential Effects (APE) to a level appropriate to the Secretary of Interior Standards.

Historian's Standard Requirements

- All historic work will comply with the Secretary of the Interior Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings.
 - Historic character will be retained and preserved;
 - where safe, original materials that still maintain structural integrity will be retained; and
 - where replacement is required, materials and features will be replaced “in kind”.
 - A **[insert who]** familiar with the project site’s cultural/historic resources will monitor all construction activities. All historical resources uncovered during the project will be recorded in place with a photograph and/or drawing showing any new material or recovered and archived, at the discretion of the monitor.
 - Upon completion of the project, **[Insert who]** will record any modifications to historic buildings or alterations of historic fabric on as-built drawings.

Archaeologist's Standard Requirements

- Prior to the start of any ground-disturbing activities, a DPR-approved archaeologist will complete pre-construction testing to determine specific avoidance areas.
 - If necessary, a DPR-qualified Cultural Resource Specialist will prepare a research design, including appropriate trenching and/or pre-construction excavations
 - Based on preconstruction testing, project design and/or implementation will be altered, as necessary, to avoid impacts to archaeological resources or reduce the impacts to a less than significant level, as determined in consultation with a DPR-qualified archaeologist.
- **[Insert who]** will manually remove or flush cut vegetation to avoid ground-disturbing activities; removal of roots will not be allowed. In areas lacking appropriate archaeological survey coverage only chemical treatments will be allowed unless archaeological surveys are performed first.
- If **anyone** discovers previously undocumented cultural resources during project construction, work within **[insert distance]** of the find will be temporarily halted until the archaeologist designs and implements appropriate treatments in accordance with the Secretary of the Interiors Standards and Guidelines for archaeological resource protection.
 - **[Insert who]** will modify the project to ensure that construction activities will avoid cultural resources upon review and approval of a **[insert who]**.
 - If ground disturbing activities uncover intact cultural features (including but not limited to dark soil containing shellfish, bone, flaked stone, groundstone, or deposits of historic ash), when a DPR Qualified cultural resources specialist is not on-site, **[insert who]** will contact the DPR State Representative immediately and **[insert who]** will temporarily halt or divert work within the immediate vicinity of the find a DPR-qualified cultural resources specialist evaluates the find and determines the appropriate treatment and disposition of the cultural resource.
- In the event that human remains are discovered, work will cease immediately in the area of the find and the project manager/site supervisor will notify the appropriate DPR personnel. Any human remains and/or funerary objects will be left in place or returned to the point of discovery and covered with soil. The DPR Sector Superintendent (or authorized representative) will notify the County Coroner, in accordance with §7050.5 of the California Health and Safety Code, and the Native American Heritage Commission (or Tribal Representative). If a Native American

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monitor is on-site at the time of the discovery, the monitor will be responsible for notifying the appropriate Native American authorities. The local County Coroner will make the determination of whether the human bone is of Native American origin.

- If the Coroner determines the remains represent Native American interment, the NAHC in Sacramento and/or tribe will be consulted to identify the most likely descendants and appropriate disposition of the remains. Work will not resume in the area of the find until proper disposition is complete (PRC §5097.98). No human remains or funerary objects will be cleaned, photographed, analyzed, or removed from the site prior to determination.
- If it is determined the find indicates a sacred or religious site, the site will be avoided to the maximum extent practicable. Formal consultation with the State Historic Preservation Office and review by the Native American Heritage Commission/Tribal Cultural representatives will occur as necessary to define additional site mitigation or future restrictions.

Natural Resources

General Biological Resource Standard Project Requirements

- All project activities that could spread **[insert organism]** to new locations will be subject to Best Management Practices developed by **[insert group name]** and available online at **[insert location – i.e. web address]**.
- Prior to the start of on-site construction activities, **[insert who]** will conduct a survey of the project area for **[insert what]**.
- Prior to the start of on-site construction activities, **[insert who]** will determine the minimum area required to complete the work and define the boundaries of the work area on the project drawings and with flagging or fencing on the ground, as appropriate.
- To prevent the spread of noxious weeds, all construction vehicles and equipment will enter and leave the project site free of soil, vegetative matter or other debris that could contain weed seeds.
- All construction will be consistent with the State Parks Trail Manual guidelines.
- At the discretion of **[insert who]**, project activities will be monitored to ensure that impacts to **[insert species name(s)]** are minimized.
- **[Insert who]** will submit a summary report of all collecting activities conducted at **[Insert park name]** to the **[insert District name]** Environmental Scientist upon completion of the project.
- The **[insert who]** will post information signs near project areas with restricted access or closures lasting longer than 3 months. The signs will include the following information:
 - Explanation for and description of the project; and
 - Anticipated completion date.

Plants

- No rare or endangered species will be cut, pruned, pulled back, removed or damaged in any way.
- If **[insert plant species or community]** are located within **[insert number]** feet of the project area, the **[insert what]** will be flagged by **[insert who]**, fenced off prior to the start of on-site construction activities, and completely avoided.
- Best Management Practices (BMPs) to avoid creation of dust will be employed during all construction activities within **[insert distance]** of **[insert species or plant community]**.

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- If **[insert what]** of **[insert species or plant community name]** are discovered within **[insert distance]** of the project area, a **[insert who]** will flag and fence these locations during construction activities to avoid impacts.
- Prior to the start of on-site construction activities and when the plants are in a phenological stage conducive to positive identification (i.e., usually during the blooming period for the species), a **[insert who]** will conduct surveys for special-status plant species throughout the project area.
- Prior to the start of on-site construction activities, a **[insert who]** will flag and fence plant communities (e.g., vegetation series, alliances, or associations) within **[insert number]** feet of the project area to avoid impacts.
- No **[insert what – staging, ground-disturbing, etc.]** will be allowed within **[insert number]** times the diameter-at-breast-height (dbh) of retention trees, unless approved in advance by a DPR-approved biologist, forester, or certified arborist.
- The **[insert who]** will avoid or minimize impacts to federally protected wetlands to the extent practicable by conducting work in upland areas.
- A **[insert who]** will be present during all ground-disturbing activities within the **[insert quantitative area]** of trees.
- Project area will be monitored and maintained by **[insert who]** for up to **[insert time period]**. Including regular watering and replacement planting, as necessary to assure an approximately **[insert percentage]** survival rate.
- Any trenching in a “structural root zone” will be completed by hand; no roots larger than **[insert diameter size]** in diameter will be cut or damaged.
- All herbicides will be handled, applied, and disposed of in accordance with the MSDS Fact Sheet and all local, State, and federal laws.
- To maintain genetic integrity, only plant stock collected within the **[insert area name]** will be used for re-vegetation in the project area.
- **[insert who]** will employ Best Management Practices (BMPs) for erosion control to avoid runoff of project-related sediments, vehicle fluids, and other liquids into special plant communities.
- The percolation testing will be conducted at a minimum distance of **[insert quantitative distance]** of any significant tree over **[insert number]** DBH.

Wildlife

- **[Insert Name]** will schedule all work between **[insert dates]** to avoid the **[insert species name] [insert what – breeding, maternity, nesting, flight period, etc.]**.
- If work is required during the **[insert what]** season (**[insert dates]**), a **[insert who]** will conduct a survey to identify **[insert what - nest, colony, etc]** within **[insert distance]** of the project area. The survey will be conducted no more than **[insert number]** calendar days prior to the beginning of construction.
- If **[insert what]** are located within **[insert distance]** feet of the project area, no construction will occur within **[insert distance]** of the **[insert what]** during the **[insert what]** season or until the young have fledged, as determined by a DPR-approved biologist.
- If work must occur during the breeding season, the USFWS’s *“Transmittal of Guidance: Estimating the Effects of Auditory and Visual Disturbance to Northern Spotted Owls and Marbled Murrelets in Northwestern California”* (dated July 31, 2006) may be used by a DPR-approved biologist to allow limited construction activities that do not create noise disturbance above ambient levels.

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- If limited activities are allowed during the **[insert species name] [insert what breeding, nesting, etc.]** season, work activities will not begin until **[insert number]** hours after sunrise and will cease **[insert number]** hours before sunset each day.
- Prior to the start of on-site construction activities, a **[insert who]** will train on-site construction personnel on the life history of **[insert species name]**, work constraints, and any other pertinent information related to the species.
- Within **[insert number]** hours prior to the start of construction activities, a **[insert who]** will conduct surveys for **[insert what]** in the project area and up to **[insert number]** feet outside the project boundaries.
- If individuals or other recent signs of **[insert species name]** are observed within **[insert distance]** of the project area, **[insert who]** will be present on the site to monitor during construction activities at his/her discretion.
- Immediately prior to the start of work each morning, **[insert who]** will conduct a visual inspection of the construction zone.
- If **[insert species name]** is found on the project site, work in the vicinity of the animal will be delayed until the species moves out of the site on its own accord, or is temporarily relocated by **[insert agency name - approved or -permitted]** biologist.
- To prevent trapping of **[insert species name]**, all holes and trenches will be covered at the close of each working day with plywood or similar materials, or will include escape ramps constructed of earth fill or wooden planks; all pipes will be capped. A **[insert who]**, or other staff trained by a **[insert who]** will inspect trenches and pipes for **[insert species name]** at the beginning of each workday. If a trapped animal is discovered, they will be released in suitable habitat at least **[insert quantitative distance]** from the project area.
- All field staff will wear protective clothing and equipment while working with **[insert species name]** live animals and handling carcasses.
- Baiting will not occur between **[insert months]** when **[Insert sensitive species name]** are present.
- **[Insert who]** will not remove any trees equal to or greater than **[insert number]**-inches dbh unless first inspected by **[insert who]** and determined to be unsuitable as nesting habitat for **[insert species name]**.

Aesthetics

- Projects will be designed to incorporate appropriate park scenic & aesthetic values including the choices for: specific building sites, scope & scale; building and fencing materials and colors; use of compatible aesthetic treatments on pathways, retaining walls or other ancillary structures; location of and materials used in parking areas, campsites and picnic areas; development of appropriate landscaping. The park scenic and aesthetic values will also consider views into the park from neighboring properties.
- **[Insert who]** will store all project-related materials outside of the viewshed of **[insert name of street/place/building]**.
- **[Insert who]** will equip any permanent structure with outdoor light shields that concentrate the illumination downward to reduce direct and reflected light pollution. The direct source of the lighting (bulb, lens, filament, tube, etc) will not be visible off site and the lighting will be installed as low as possible on poles and/or structures to minimize light pollution of the night sky. The candle power of the illumination at ground level will not exceed what is required by any safety or security regulations of any government agency with regulatory oversight.

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Air Quality

- During dry, dusty conditions, all active construction areas will be lightly sprayed with dust suppressant to reduce dust without causing runoff.
- All trucks or light equipment hauling soil, sand, or other loose materials on public roads will be covered or required to maintain at least two feet of freeboard.
- All gasoline-powered equipment will be maintained according to manufacturer's specifications, and in compliance with all State and federal requirements.
- Paved streets adjacent to the Park shall either be swept or washed at the end of each day, or as required, to remove excessive accumulations of silt and/or mud that could have resulted from project-related activities.
- Excavation and grading activities will be suspended when sustained winds exceed 15 miles per hour (mph), instantaneous gusts exceed 25 mph, or when dust occurs from remediation related activities where visible emissions (dust) cannot be controlled by watering or conventional dust abatement controls.

Geology and Soils (erosion)

- After a large earthquake event (i.e., magnitude 5.0 or greater within 50 miles of the project site), [insert who] will inspect all project structures and features for damage, as soon as is possible after the event. Any damaged structures or features will be closed to park visitors, volunteers, residents, contractors, and staff.
- No track-mounted or heavy-wheeled vehicles will be driven through [insert work area name] areas during the rainy season or when soils are saturated to avoid compaction and/or damage to soil structure.
- [Insert who] will develop a rehabilitation plan for the decommissioned trail that includes using brush and trees removed from the new trail alignment for bio-mechanical erosion control (bundling slash and keying it in to fall of trail, filling damaged trails sections with soil and duff removed from the new trail alignment, constructing water bars, and replanting native trees and shrubs).
- [Insert who] will clearly block both ends of the trail and scatter its length with vegetative debris from new trail construction to discourage continued use and degradation of the decommissioned portion of the trail.

Hazards

- Prior to the start of on-site construction activities, [insert who] will inspect all equipment for leaks and regularly inspect thereafter until equipment is removed from the project site. All contaminated water, sludge, spill residue, or other hazardous compounds will be contained and disposed of outside the boundaries of the site, at a lawfully permitted or authorized destination.
- Prior to the start of on-site construction activities, [insert who] will prepare a Spill Prevention and Response Plan (SPRP) as part of the Storm Water Pollution Prevention Plan (SWPPP) for [insert who] approval to provide protection to on-site workers, the public, and the environment from accidental leaks or spills of vehicle fluids or other potential contaminants. This plan will include (but not be limited to);
 - a map that delineates construction staging areas, where refueling, lubrication, and maintenance of equipment will occur;
 - a list of items required in a spill kit on-site that will be maintained throughout the life of the project;
 - procedures for the proper storage, use, and disposal of any solvents or other chemicals used in the restoration process;

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- and identification of lawfully permitted or authorized disposal destinations outside of the project site.
- **[Insert who]** will develop a Materials Management Plan to include protocols and procedures that will protect human health and the environment during remediation and/or maintenance activities that cause disturbances to the native soil and/or mine and mill materials causing the potential exposure to metals and dust resulting from materials disturbances. All work will be performed in accordance with a Site Health and Safety Plan. The Materials Management Plan will include the following (where applicable):
 - Requirement that staff will have appropriate training in compliance with 29 CFR, Section 1910.120;
 - Methods to assess risks prior to starting onsite work;
 - Procedures for the management and disposal of waste soils generated during construction activities or other activities that might disturb contaminated soil;
 - Monitoring requirements;
 - Storm water controls;
 - Record-keeping; and,
 - Emergency response plan.
- **[Insert who]** will set up decontamination areas for vehicles and equipment at Park entry/exit points. The decontamination areas will be designed to completely contain all wash water generated from washing vehicles and equipment. Best Management Practices (BMPs) will be installed, as necessary, to prevent the dispersal of wash water beyond the boundaries of the decontamination area, including over-spray.
- Prior to the start of construction, **[insert who]** will develop a Fire Safety Plan for **[insert name]** approval. The plan will include the emergency calling procedures for both the California Department of Forestry and Fire Protection (CDF) and local fire department(s).
- All heavy equipment will be required to include spark arrestors or turbo chargers (which eliminate sparks in exhaust) and have fire extinguishers on-site.
- Construction crews will park vehicles **[insert distance]** from flammable material, such as dry grass or brush. At the end of each workday, construction crews will park heavy equipment over a non-combustible surface to reduce the chance of fire.
- DPR personnel will have a State Park radio at the Park, which allows direct contact with CalFire and a centralized dispatch center, to facilitate the rapid dispatch of control crews and equipment in case of a fire.
- Prior to the start of on-site construction activities, **[insert who]** will clean and repair (other than emergency repairs) all equipment outside the project site boundaries.
- Under dry conditions, a filled water truck and/or fire engine crew will be onsite during activities with the potential to start a fire.
- **[Insert who]** will designate and/or locate staging and stockpile areas within the existing maintenance yard area or existing roads and campsites to prevent leakage of oil, hydraulic fluids, etc. into **[insert where i.e., native vegetation, sensitive wildlife areas, creek, river, stream , etc.]**.

Hydrology

- Prior to the start of construction involving ground-disturbing activities, **[insert who]** will prepare and submit a Storm Water Pollution Prevention Plan (SWPPP) for DPR approval that identifies temporary Best Management Practices (BMPs) (e.g., tarping of any stockpiled materials or soil; use of silt fences, straw bale barriers, fiber rolls, etc.) and permanent (e.g., structural containment, preserving or planting of vegetation) for use in all construction areas to reduce or eliminate the discharge of soil, surface water runoff, and pollutants during all excavation,

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grading, trenching, repaving, or other ground-disturbing activities. The SWPPP will include BMPs for hazardous waste and contaminated soils management and a Spill Prevention and Control Plan (SPCP), as appropriate.

- All heavy equipment parking, refueling, and service will be conducted within designated areas outside of the 100-year floodplain to avoid water course contamination.
- The project will comply with all applicable water quality standards as specified in the **[insert WQCB name]** Basin Plan.
- All construction activities will be suspended during heavy precipitation events (i.e., at least 1/2-inch of precipitation in a 24-hour period) or when heavy precipitation events are forecast.
- If construction activities extend into the rainy season (**[insert dates]**) or if an un-seasonal storm is anticipated, **[insert who]** will properly winterize the site by covering (tarping) any stockpiled materials or soils and by constructing silt fences, straw bale barriers, fiber rolls, or other structures around stockpiles and graded areas.
- **[Insert who]** will install appropriate energy dissipators at water discharge points, as appropriate.

Traffic

- Prior to the start of on-site construction activities that would result in **[insert number]** or more vehicle trips during peak hours (7:00 a.m. to 9:00 a.m. or 4:00 p.m. to 6:00 p.m.) for a period exceeding 6 months in duration, **[insert who]** will prepare a Traffic Impact Study (TIS) for submittal and approval by **[insert who]**. The TIS will include, but will not be limited to:
 - Description of traffic inducing actions;
 - Types of vehicles anticipated;
 - Approximate traffic volumes on/ offsite and roadways to be used;
 - Existing Traffic Counts;
 - Analysis of Project Action traffic volume impacts on intersections and traffic index; and
 - Any other TIS requirements as outlined in the appropriate jurisdiction's guidance on TIS preparation
- Prior to delivery and/or removal of project-related equipment or materials that could impede or block access to driveways, cross streets, or street parking, **[insert name]** will coordinate with the local jurisdictions to develop and implement traffic control measures.

Noise

- Temporary or permanent noise barriers such as berms or walls will be used, as appropriate, to reduce noise levels.
- Internal combustion engines used for project implementation will be equipped with a muffler of a type recommended by the manufacturer. Equipment and trucks used for Project-related activities will utilize the best available noise control techniques (e.g., engine enclosures, acoustically attenuating shields or shrouds, intake silencers, ducts, etc.) whenever necessary.
- **[Insert who]** will locate stationary noise sources and staging areas as far from potential sensitive noise receptors, as possible. If they must be located near potential sensitive noise receptors, stationary noise sources will be muffled or shielded, and/or enclosed within temporary sheds.
- Construction activities will generally be limited to the daylight hours, Monday – Friday. If work during weekends or holidays is required, no work will occur on those days before **[insert time]** a.m. or after **[insert time]** p.m. **(check contract docs for time restrictions)**
- Internal combustion engines used for any purpose at the job site will be equipped with a muffler of a type recommended by the manufacturer. Equipment and trucks used for

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construction will utilize the best available noise control techniques (e.g. engine enclosures, acoustically-attenuating shields, or shrouds, intake silencers, ducts, etc.) whenever necessary.

