

MM AQ-1: Air Quality Evaluation

Consistent with guidance from MBARD and County construction standards, CAWD shall require the following Best Management Practices (BMPs) to be implemented during installation and construction of pipelines and associated improvements at construction sites to control emissions:

- Water all active construction areas as required with non-potable sources to the extent feasible; frequency should be based on the type of operation, soil, and wind exposure and minimized to prevent wasteful use of water.
- Prohibit grading activities during periods of high wind (over 15 mph).
- Cover all trucks hauling soil, sand, and other loose materials and require trucks to maintain at least 2 feet of freeboard.
- Hand sweep daily within paved areas.
- Sweep streets daily (with water sweepers) if visible soil material is carried onto adjacent public streets.
- Enclose, cover, or water daily exposed stockpiles (dirt, sand, etc.).
- Replant vegetation in disturbed areas as quickly as possible.
- Provide stabilized construction entrance/exit to limit sediment tracking from construction sites, as appropriate.

MM BIO-1: Prepare Biological Report

A qualified biologist shall prepare a biological report prior to review and implementation of any project outside paved areas or within 100 feet of any sensitive habitat area, riparian corridor, bluffs, sea cliffs, or wetlands. As a result, each future CAWD service extension project, including on-street and off-street projects, would need to be evaluated to determine if it is within 100 feet of a sensitive habitat. A biological report would be prepared for any project that occurred within 100 feet of a sensitive habitat. These biological reports would include measures to protect sensitive natural communities and special-status plant species.

If the biological report identifies that future CAWD service extension projects are located in or adjacent to sensitive plant species habitat, a qualified biologist shall work with the District and/or contractor to designate the work area and any staging areas with high-visibility orange construction fencing if deemed applicable by the qualified biologist. Disturbance to vegetation shall be kept to the minimum necessary to complete the project activities. Protective fencing should be in place prior to any site grading or other disturbances. All grassland or sensitive habitat areas outside the limits of work shall be preserved. When all site construction is complete, the temporary fencing can be removed.

MM BIO-2: Surveys for Special-Status Plant Species

The biological report identified in **MM BIO-1** shall recommend plant surveys for special-status plant species. Surveys shall be conducted prior to approval of any future CAWD service extension project with ground disturbing activities at off-street project locations where suitable habitat for such species is present. The measure shall require a qualified botanist to conduct focused botanical surveys according to CNPS (CNPS 2001), CDFW (CDFW 2018c), and USFWS (USFWS 2002) at the proper time(s) of year during reported blooming periods when the plants are identifiable. The biological report identified in **MM BIO-1** shall identify avoidance measures for

special plant species where appropriate. The qualified botanist shall prepare a survey results report for submittal to the District. The report shall include, but shall not be limited to, the following: (1) a description of the survey methods; (2) a discussion of the survey results; (3) a map showing the project area and the location of any special-status plants encountered, and (4) recommended measures to avoid impacts to special-status plant species.

MM BIO-3: Biological Report for Sensitive Habitats

MM BIO-1 requires that a qualified biologist prepare a biological report prior to constructing any project within 100 feet of any sensitive habitat area, riparian corridor, bluffs, sea cliffs, or wetlands. As a result, a biological report would be prepared for any project that occurred within or adjacent to sensitive habitat, including habitat for special-status animal species. The biological report shall include measures to protect any special-status animal species when the biological report identifies that future CAWD service extension projects are within or adjacent to suitable habitat for special-status animal species to avoid harming special-status wildlife species.

MM BIO-4: Protection of Special-Status Animal Species

The following measures shall be required to protect any special-status animal species when the biological report identifies that future CAWD service extension projects are within or adjacent to suitable habitat for special-status animal species. These measures to avoid harming special-status wildlife species will be superseded by site-specific surveys and reports.

- Prior to initiation of any construction activities within the vicinity of sensitive habitat for special-status animal species, a qualified biologist shall clearly delineate the limits of construction work and equipment access.
- Protective fencing should be in place prior to any site grading or other disturbances.
- A qualified biologist shall conduct an employee education program prior to any construction. The education program shall consist of a brief presentation to explain biological resources concerns to contractors, their employees, and any other personnel involved in construction of the project.
- A qualified biologist shall conduct a pre-construction survey within the construction area for the presence of Special-Status Species, as identified or required in the biological report for the site-specific projects. The survey(s) will be conducted immediately prior to the initial onset of construction activities. If special-status species are found, work will not commence until the appropriate state and/or federal resource agencies are contacted and avoidance and mitigation measures are in place.
- If an animal is found at the work site and is believed to be a protected species, work shall be halted, and a qualified biologist shall be contacted for guidance. Care must be taken not to harm or harass the species. No wildlife species shall be handled and/or removed from the construction area by anyone except agency-approved biologists.

MM BIO-5: Restoration of Disturbed Areas

Areas disturbed by construction shall be restored and replanted, depending on the community and habitat type, i.e., disturbed grasslands shall be seeded with a native erosion control seed mix suitable to the project area.

MM BIO-6: Construction Best Management Practices

CAWD shall ensure future construction projects and contractors implement the following BMPs and protective measures listed below to avoid indirect impacts to wetlands, riparian areas and other sensitive habitats identified within the construction area.

- No materials shall be allowed to enter into aquatic resources within the vicinity. All storm drain inlets and culvert inlets and outlets shall be protected (e.g., filter fabric, straw wattles, and/or silt fencing) in order to prevent debris or construction materials from entering in these areas. At the end of project construction, all materials trapped by the barriers and excess materials such as dirt, rock, asphalt and concrete pavement, or debris shall be collected using dry sweep methods and removed from the project locations. No materials shall be allowed to enter into aquatic resources within the vicinity.
- A litter control program shall be instituted at each project location. All workers ensure that food scraps, paper wrappers, food containers, cans, bottles, and other trash from the project area are deposited in covered or closed trash containers. The trash containers shall be removed from the area at the end of each working day.
- All leaks, drips and spills shall be immediately cleaned up to prevent entry into aquatic resources within the vicinity. All workers shall be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur.

MM BIO-7: Construction Scheduling to Avoid Nesting Season

To avoid potential impacts to nesting migratory birds and raptors, schedule construction to avoid the nesting season to the extent feasible, which is typically from March 1 to August 1. If construction cannot be scheduled outside this area, a qualified biologist shall conduct surveys for nesting birds no more than two weeks prior to onset of tree pruning and construction with heavy equipment. If nesting birds are observed within the project corridor, postpone construction along that portion of the project until the biologist confirms that all young have fledged from the nest. The qualified biologist shall determine buffers required depending on the bird species. For most birds a 50-foot buffer zone is adequate to protect the nest; a raptor nest will require a 250-foot buffer.

MM CR-1: Cultural Resources Report and Monitoring

The following protection measures will be required for potential future projects if ground disturbance is located in areas deemed as potentially sensitive archeological sites by the Monterey County General Plan (Monterey County, 2010):

- CAWD shall require the preparation of an archaeological resource report by a Professional Archaeologist for improvement projects involving ground disturbance in areas of high likelihood of containing archaeological resources.
- During ground disturbance of native soils (soils not consisting of artificial fill) for the construction of the project, a Professional Archaeologist and a local Native American monitor shall be retained to observe construction activities within the project site. If, during initial monitoring, the Professional Archaeologist determines that the construction activities have little or no potential to impact cultural resources, the Professional Archaeologist, in consultation with the Native American monitor, may recommend that monitoring be reduced or eliminated. If cultural resources are identified during initial

monitoring, work within 50 feet of the find shall halt and Mitigation Measure **CR-2** shall be implemented.

MM CR-2: Cultural Resources Protection Measures

- If the Professional Archaeologist determines that any cultural resources exposed during construction constitute a historical resource and/or unique archaeological resource under CEQA, he/she shall notify CAWD and other appropriate parties of the evaluation and recommend mitigation measures to mitigate to a less-than-significant impact in accordance with California Public Resources Code Section 15064.5. Mitigation measures may include avoidance, preservation in-place, recordation, additional archaeological testing and data recovery among other options. The completion of a formal *Archaeological Monitoring Plan* (AMP) and/or *Archaeological Treatment Plan* (ATP) that may include data recovery may be recommended by the Professional Archaeologist if significant archaeological deposits are exposed during ground disturbing construction. Development and implementation of the AMP and ATP and treatment of significant cultural resources will be determined by the CAWD in consultation with any regulatory agencies.
- The treatment of human remains and any associated or unassociated funerary objects discovered during any soil-disturbing activity within the APE shall comply with applicable state laws in regard to Native American burials (Chapter 1492, Section 7050.5 to the Health and Safety Code, Sections 5097.94, 5097.98 and 5097.99 of the Public Resources Code). This shall include immediate notification of the appropriate county Coroner/Medical Examiner and the CAWD.
- A *Monitoring Closure Report* shall be filed with CAWD at the conclusion of ground disturbing construction if archaeological and Native American monitoring of excavation was undertaken.

MM NOI-1: Construction Noise Reduction Measures

During construction, the project contractor shall implement the following measures to minimize construction noise impacts:

- Place construction equipment and equipment staging areas to be located at the furthest distance as possible from nearby noise-sensitive receptors.
- Choose construction equipment that is of quiet design, has a high-quality muffler system, and is well-maintained.
- Install superior intake and exhaust mufflers and engine enclosure panels wherever possible on gas diesel or pneumatic impact machines.
- Limit construction to 7 a.m. to 7 p.m. Monday through Friday, and 8 a.m. to 6 p.m. Saturday.
- Eliminate unnecessary idling of machines when not in use.
- Locate all stationary noise-generating construction equipment, such as portable power generators, as far as possible from nearby noise-sensitive receptors.
- Utilize the quickest equipment options to accomplish the tasks, in accordance with local, state, and federal regulatory requirements.