Mitigation Monitoring and Reporting Program

CEQA requires that a reporting or monitoring program be adopted for the conditions of project approval that are necessary to mitigate or avoid significant effects on the environment (Public Resources Code 21081.6). This Mitigation Monitoring and Reporting Program is intended to track and ensure compliance with adopted mitigation measures during the project implementation phase. For each mitigation measure recommended in the Initial Study-Mitigated Negative Declaration (IS-MND), specifications are made herein that identify the action required, the monitoring that must occur, and the agency or department responsible for oversight.

Mitigation Measure/			Monitoring	Responsible		liance Ve	erification
Condition of Approval	Action Required	Monitoring Timing	Frequency	Agency	Initial	Date	Comments
Biological Resources							
BIO-1 Worker Environmental Awareness Pr	ogram (WEAP)						
Prior to initiation of construction activities (including staging and mobilization) all personnel associated with project construction shall attend a Worker Environmental Awareness Program (WEAP) training, conducted by a qualified biologist, to aid workers in recognizing special status resources that may occur in the construction area. The specifics of this program shall include identification of the sensitive species and habitats, a description of the regulatory status and general ecological characteristics of sensitive resources, and review of the limits of construction and mitigation measures required to reduce impacts to biological resources within the work area. A fact sheet conveying this information shall also be prepared for distribution to all contractors, their employees, and other personnel involved with construction. All employees shall sign a form provided by the trainer indicating they have attended the WEAP and understand the information presented to them. The form shall be submitted to CAWD by the contractor to document compliance.	submit a form signed by construction employees certifying WEAP attendance and understanding.	Prior to construction	Once	Carmel Area Wastewater District (CAWD)			
BIO-2 Western Bumble Bee Preconstruction	n Survey						
A qualified biologist(s) shall conduct a pre- construction survey prior to the onset of work. The pre-construction survey effort shall be conducted for a minimum of one hour. If	Retain a qualified biologist to conduct pre-construction surveys for western bumble bees.	Prior to construction	Once	CAWD			
bumble bees of any species are observed, they shall be photographed for identification following the USFWS guidance in Appendix A Standardized Bee Photography in the Survey	Include language in the construction contract requiring the avoidance of bee colonies between March 1 and November 1.	During construction contract negotiations	Once	CAWD			

					Comp	liance Ve	erification
Mitigation Measure/			Monitoring	Responsible			
Condition of Approval	Action Required	Monitoring Timing	Frequency	Agency	Initial	Date	Comments

Protocols for the Rusty Patched Bumble Bee (Bombus affinis) (USFWS 2019d). If construction begins between March 1 and November 1, the ground shall also be searched during the survey for active bumble bee colonies. No capture or handling of bumble bees is allowed without formal State take authorization. If individual western bumble bees are observed during preconstruction surveys, they shall be avoided to ensure no "take" occurs. This may require biological monitoring or avoidance buffers until the bees have left the work area. If western bumble bee colonies are identified, these colonies shall be demarcated with a flagged avoidance buffer, as determined by a qualified biologist and shall be avoided during the active season from March 1 through November 1, or until the qualified biologist has determined that the colony is no longer active. All sightings of western bumble bee shall be reported to the California Natural Diversity Database.

BIO-3 California Red-legged Frog Avoidance and Minimization

A qualified biologist shall conduct a survey of the project site for CRLF within 48 hours of initial ground disturbing activities. The survey area shall include the proposed disturbance area and all proposed ingress/egress routes, plus a 100-foot survey buffer. If any life stage CRLF is found within the survey area, the individual shall be avoided and allowed to leave the site of its own volition. The biologist shall revisit the site on subsequent days to confirm the CRLF has left the site. If the CRLF has not left the site after three days, USFWS and CDFW shall be consulted to determine the appropriate course of action. During construction, avoidance measures shall include:

Retain a qualified biologist to conduct pre-construction survey for CRLF.	Prior to construction	Once	CAWD
Include language in the construction contract to require construction activities occurring within/adjacent to aquatic habitats be completed between April 1 and October 31.	During construction contract negotiations	Once	CAWD
Include language in the construction contract requiring measures to avoid impacts to CRLF for work occurring between November 1 and March 31.	During construction contract negotiations During construction	Once	CAWD

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Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Initial	Date	Comments
A qualified biologist shall be present on- site until all construction activities are complete within the former golf course. If any life stage of CRLF is found, work shall cease within 100 feet of the CRLF and the USFWS and CDFW contacted immediately to determine the appropriate course of action.	Implement appropriate avoidance measures.						
 All development activities occurring within/adjacent to aquatic habitats (including riparian habitats and wetlands) shall be completed between April 1 and October 31 to avoid impacts to CRLF. 							
If construction must occur between November 1 and March 31, the qualified biologist shall conduct a pre-activity clearance sweep within 48 hours prior to start of project activities after any rain events of 0.1 inch or greater or if wet conditions are present on-site.							
 The number of access routes, size of staging areas, excavation areas, and the total area of activity shall be limited to the minimum necessary. 							
 During project activities, all trash that may attract predators shall be properly contained, removed from the work site, and disposed of regularly. Following construction, all trash and construction debris shall be removed from work areas. If any life stage of the CRLF is found and these individuals are likely to be killed or 							
injured by work activities, all work activities that could pose a risk of take to the individual shall stop until the individual has left the site. No individuals shall be relocated without USFWS authorization.							

Mitigation Measure/			Monitoring	Responsible	Comp	Compliance Verification				
Condition of Approval	Action Required	Monitoring Timing	Frequency	Agency	Initial	Date	Comments			
 All sightings of California red-legged frog shall be reported to the California Natural Diversity Database. 										
BIO-4 Spill/Debris Prevention										
All refueling and maintenance of equipment and vehicles shall occur a minimum of 250 feet from the Carmel River, wetlands, willow thicket habitat, and the concreate drainage, and in a location from which a spill would not drain directly toward these habitats (e.g., on a slope that drains away from the water), or in a containment structure. Prior to the onset of	Include, in the construction contract, a requirement that refueling, maintenance, and staging of equipment occur a minimum of 250 feet from the Carmel River, wetlands, willow thicket habitat. Approve a plan, prepared by the	During construction contract negotiations	Once	CAWD						
work, a plan shall be developed for prompt and effective response to any accidental spills. All workers shall be informed of the importance of preventing spills and of the appropriate measures to take in the event of a spill. Should any debris or equipment from the work area fall into the wetland, riparian habitat, and the concrete drainage, it shall be removed immediately.	construction contractor, for the effective response to accidental spills.	construction								
BIO-5 Wildlife Entrapment Prevention										
To prevent the inadvertent entrapment of individuals, all excavated, steep-walled holes or trenches shall be covered at the end of each workday with plywood or similar materials. If this is not possible, one or more escape ramps	Include a requirement in the construction contract that trenches be covered at the end of each workday and inspected prior to filling.	During construction contract negotiations	Once	CAWD						
constructed of earth fill or wooden planks (no greater 45 degrees) shall be established in the hole. Before such holes or trenches are filled, they shall be thoroughly inspected for any animals. Any wildlife observed shall be allowed to leave the excavation of its own accord. If listed species are observed in excavations, all work shall stop and USFWS and/or CDFW shall	Cover trenches at the end of each workday or provide escape ramps and inspect trenches prior to filling. Stop work if listed species are observed in excavation and notify CAWD.	During construction	As needed	Construction contractor						

Mitigation Measure/			Monitoring	Dosnonsible	Comp	liance Ve	erification
Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Frequency	Responsible Agency	Initial	Date	Comments
be contacted immediately. Take of listed species, including disturbance, handling or relocating, is illegal without state and/or federal take authorization.							
BIO-6 Nesting Bird Survey							
Ground disturbance and vegetation removal activities shall be restricted to the non-breeding season (September 1 to January 31) as feasible. For ground disturbance and vegetation removal activities occurring in all project areas during the bird nesting season (February 1 to September	Include, in the construction contract, a requirement that ground disturbance and vegetation removal only occurs from September 1 to January 31, as feasible.	During construction contract negotiations	Once	CAWD			
1), general pre-construction nesting bird surveys shall be conducted by a qualified biologist for all migratory birds, raptors, and tricolored blackbird not more than 14 days prior to construction activities involving ground clearing, vegetation removal/trimming. The surveys shall	For construction occurring between February 1 and September 1, retain a qualified biologist to conduct preconstruction nesting bird surveys and establish buffers.	Prior to construction	Once, and as needed	Qualified biologist			
include the disturbance area plus a 200-foot buffer around the site if feasible, and a 500-foot buffer for tricolored blackbird and raptors. If active nests are located, an appropriate avoidance buffer shall be established within which no work activity will be allowed which would impact these nests. The avoidance buffer shall be established by the qualified biologist on a case-by-case basis based on the species and site conditions. In no cases shall the buffer be smaller than 50 feet for non-raptor bird species, 200 feet for raptor species, and a 500-foot buffer for tricolored blackbird. Larger buffers may be required depending upon the status of the nest and the construction activities occurring in the vicinity of the nest. The buffer area(s) shall be closed to all construction personnel and equipment until juveniles have fledged and the nest is inactive. The approved biologist shall confirm that breeding/nesting is	Establish an appropriate buffer for any discovered nests. Mark the buffer with high visibility material and remove when the young have fledged, and the nest is abandoned.	Within 14 days prior to construction; repeated if construction lapses for more than two weeks	As needed	Qualified biologist			

Mitigation Measure/			Monitoring	Responsible	Comp	Compliance Ve	rification
Condition of Approval	Action Required	Monitoring Timing	Frequency	Agency	Initial	Date	Comments
complete and young have fledged the nest prior to removal of the buffer.							
BIO-7 Monterey Shrew Clearance Surveys							
Immediately prior to ground disturbing activity in or adjacent to Monterey shrew habitat, a qualified biologist shall conduct a pre-activity clearance sweep to identify and relocate any	Retain a qualified biologist to conduct pre-construction sweeps for Monterey shrew.	Prior to construction	Once, as needed	CAWD			
individuals within proposed work areas. Any individuals located during the survey shall be allowed to leave the work area on their own. All sightings of Monterey Shrew shall be reported to the California Natural Diversity Database.	Conduct pre-activity clearance sweeps for Monterey shrew and relocate any individuals in work areas.	Immediately prior to construction	Once, as needed	Qualified biologist			
BIO-8 Western Pond Turtle Clearance Surveys							
Within 10 days prior to ground disturbing activity at the former golf course, a qualified biologist shall conduct a pre-activity clearance sweep to identify western pond turtle	Retain a qualified biologist to conduct a pre-construction survey for western pond turtle.	Prior to construction	Once	CAWD			
individuals or nests within proposed work areas. Any individuals located during the survey shall be allowed to leave the work area on their own or moved by a qualified biologist with appropriate take authorization. Any nests identified shall be avoided. All sightings of western pond turtle shall be reported to the California Natural Diversity Database.	All individuals located to be allowed to leave work areas on their own or moved by a qualified biologist. Avoid any nests.	During construction	As needed	Qualified biologist			
BIO-9 Sensitive Natural Community Avoidance							
Prior to initiation of construction adjacent to willow thicket or wetland habitats, environmentally sensitive area (ESA) fencing shall be installed around the outer limits of	Retain a qualified biologist to identify environmentally sensitive areas to be fenced.	Prior to construction	Once	CAWD			
these areas under the direction of a qualified biologist, to prevent encroachment. No equipment, construction personnel, staging or	Include, in the construction contract, a requirement that ESA fencing be	During construction contract negotiations	Once	CAWD			

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Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Initial	Date	Comments
other project activities shall be allowed within ESA areas. ESA fencing materials shall be high visibility and tall enough to create an effective barrier.	installed around areas identified by the qualified biologist						
BIO-10 Conduct Jurisdictional Delineation for I	mpacts to Waters and Wetlands						
A qualified biologist shall complete a jurisdictional delineation (JD) of all features along the concrete drainage and in wetland areas. The jurisdictional delineation shall	Retain a qualified biologist to complete a JD in accordance with each agency's requirements.	Prior to construction	Once	CAWD			
determine the extent of the jurisdiction for CDFW and RWQCB and shall be conducted in accordance with the requirement set forth by each agency. The purpose of the JD is to identify temporary impacts to the concrete drainage and establish work area limits to ensure no direct impacts to wetland jurisdictional features. Impacts to waters shall be mitigated as required based on direct impacts from project development under the mitigation ratio below. Mitigation for temporary impacts to waters can be achieved through rehabilitation of the site to pre-project conditions at a 1:1 ratio for impacted lands. All construction within the concrete drainage, including trenching and restoration shall occur during the dry season when there is no active flow in the channel. Upon completion of backfill the concrete drainage shall be restored to its previous condition.	Include, in the construction contract, a requirement that work within the concrete drainage occur during the dry season, no direct impacts to the concrete drainage, and the concrete drainage is restored following construction.	During construction contract negotiations		CAWD			
Cultural Resources							
CULT-1 Archaeological and Native American M	onitoring						
All project-related ground disturbing activities shall be monitored by a qualified archaeologist and Native American consultant. Archaeological	Retain an archaeologist meeting the Secretary of Interior's Professional Qualifications Standards for	Prior to construction	Once	CAWD			

Mitigation Measure/			Monitoring	Responsible	Comp	liance Ve	erification
Condition of Approval	Action Required	Monitoring Timing	Frequency	Agency	Initial	Date	Comments
monitoring shall be performed under the direction of an archaeologist meeting the Secretary of the Interior's Professional Qualification Standards for archaeology (National Park Service 1983). The archaeologist	archaeology and locally-affiliated Native American monitor to observe construction activities that would disturb native soils.	During construction	As needed	Native American monitor			
shall also perform cultural awareness sensitivity training for any construction personnel working on the site prior to any ground disturbing	Perform cultural awareness sensitivity training for construction personnel.	Prior to start of construction	Once	Qualified archaeologist			
activities. Native American monitoring shall be provided by a locally affiliated tribal member. Monitors shall have the authority to halt and redirect work should any archaeological resources be identified during monitoring. If archaeological resources are encountered during ground-disturbing activities, work in the immediate area must halt and the find evaluated for listing in the CRHR and NRHP. Archaeological or Native American monitoring or both may be reduced to spot-checking or eliminated at the discretion of the monitors, in consultation with the lead agency, as warranted by conditions such as encountering bedrock, sediments being excavated are fill, or negative findings during the first 60 percent of rough grading. If monitoring is reduced to spot-checking, spot-checking shall occur when ground-disturbance moves to a new location within the APE and when ground disturbance extends to depths not previously reached (unless those depths are within bedrock). If a find is made during construction, Mitigation Measure CULT-2 shall be implemented.	Observe construction activities and recommend monitoring be reduced or eliminated if appropriate.	During construction monitoring	As needed	Qualified archaeologist			
CULT-2 Unanticipated Discovery of Archaeolog	gical Resources						
If archaeological resources are encountered during ground-disturbing activities, work within 50 feet of the find shall be halted and an archaeologist meeting the Secretary of the	Halt work, notify qualified archaeologist, and establish a 50-foot buffer for identified archaeological resources.	During construction	As needed	CAWD			

					Comp	liance Ve	rification
Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Initial	Date	Comments
Interior's Professional Qualification Standards for archaeology (National Park Service 1983), shall be contacted immediately to evaluate the find. If necessary, the evaluation may require preparation of a treatment plan and archaeological testing for CRHR eligibility. If the discovery proves to be significant under CEQA and cannot be avoided by the project, additional work, such as data recovery excavation, may be warranted to mitigate any significant impacts to historical resources. In the event that archaeological resources of Native American origin are identified during project construction, a qualified archaeologist will consult with CAWD to begin Native American consultation procedures.	Include a requirement in the construction contract to suspend all work if cultural resources or any artifact or an unusual amount of bone, or shell is encountered during construction until the find can be evaluated by a qualified archaeologist or the appropriate Native American tribe for resources of Native American origins.	During construction contract negotiations, and as needed during construction	Once, as needed	CAWD			
Geology and Soils							
GEO-1 Paleontological Resources Monitoring							
Paleontological monitoring is required for ground disturbance that exceeds 5-feet in depth, and which impact previously undisturbed sediments. Prior to the commencement of project construction, CAWD shall retain a	Retain qualified paleontologist to observe construction activities that would disturb intact soils exceeding 5-feet in depth.	Prior to initiation of construction	Once	CAWD			
qualified paleontological monitor (i.e., a paleontologist who meets the SVP [2010] standards as a Paleontological Resource Monitor) to conduct full-time paleontological monitoring during ground-disturbing activities (including, but not limited to site preparation, grading, excavation, and trenching) exceeding five feet below ground surface within intact (i.e., previously undisturbed) middle to late Holocene	Monitor (full time) all ground-disturbing activities (including, but not limited to site preparation, grading, excavation, and trenching) of previously undisturbed ground exceeding five feet below ground surface within intact middle to late Holocene alluvial deposits.	During construction	Daily, as needed	Qualified paleontologist			
alluvial deposits (Qa). Ground-disturbing activities that impact previously disturbed sediments only, or do not exceed 5-feet in depth do not require paleontological monitoring.	Recommend reduced monitoring, if appropriate, and reinstate monitoring as needed.	During construction	Daily, as needed	Qualified paleontologist			

Mitigation Measure/			Monitoring	Responsible	Comp	liance Ve	erification
Condition of Approval	Action Required	Monitoring Timing	Frequency	Agency	Initial	Date	Comments
The duration and timing of the monitoring shall be determined by the Qualified Paleontologist. If the Qualified Paleontologist determines that full-time monitoring is no longer warranted, he or she may recommend reducing monitoring to periodic spot-checking or may recommend that monitoring cease entirely. Monitoring shall be reinstated if any new ground disturbances are	Divert construction equipment around any found paleontological resources until the resource is assessed and collected. Notify CAWD of any found resources. Prepare significant fossils for transfer and curation.	During construction	As needed	Qualified paleontologist			
required, and reduction or suspension shall be reconsidered by the Qualified Paleontologist at that time. If a paleontological resource is discovered, the monitor shall have the authority to temporarily divert construction equipment within 50 feet the find until it is assessed for scientific significance and collected. Once salvaged, significant fossils shall be prepared to a curation-ready condition and curated in a scientific institution with a permanent paleontological collection (such as the UCMP). Curation fees are the responsibility of CAWD. A final report shall be prepared describing the results of the paleontological monitoring efforts associated with the project. The report shall include a summary of the field and laboratory methods, an overview of the project geology and paleontology, a list of taxa recovered (if any), an analysis of fossils recovered (if any) and their scientific significance, and recommendations. If the monitoring efforts produced fossils, then a copy of the report shall also be submitted to the designated museum repository.	Prepare a final report describing the results of monitoring, including a summary of laboratory methods, an overview of the project geology and paleontology, a list of taxa recovered (if any), an analysis of fossils recovered (if any) and their scientific significance, and recommendations. Submit the report to CAWD. If the monitoring efforts produced fossils, submit the report to the designated museum repository.	Upon completion of monitoring activities	Once	CAWD, qualified paleontologist			

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	dition of Approval	Action Required	Monitoring Timing	Frequency	Agency	Initial	Date	Comments
Nois	e							
N-1	Construction Noise Reduction Measure	es						
meas	following construction noise reduction sures shall be implemented during project truction activities: Whenever possible, construction activities	Include a requirement in the construction contract to implement noise reduction measures.	During construction contract negotiations	Once	CAWD			
	shall be scheduled so as to avoid operating several pieces of equipment simultaneously, which causes high noise levels.	Implement all noise reduction measures including altering schedule and equipment locations.	During construction	Daily, as needed	Construction contractor			
•	All heavy-duty stationary construction equipment shall be placed so that emitted noise is directed away from the nearest sensitive receivers.	Maintain a log of noise complaints and address complaints from neighbors.	During construction	As needed	CAWD			
•	During construction, all equipment shall be operated with closed engine doors and shall be equipped with properly operating and maintained critical grade mufflers consistent with manufacturers' standards.							
•	CAWD shall provide a non-automated telephone number for local residents to call to submit complaints associated with construction noise during all phases of construction. CAWD shall maintain a log of complaints and shall address complaints to minimize noise issues for neighbors.							