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memorandum

date	October 23, 2019
to	John Forsythe, AICP
cc	Cory Barringhaus (ESA), Eric Zigas (ESA)
from	Sharon Dulava (ESA)
subject	MPWSP - Transfer and Feed Water Pipelines Weekly Report (09/23/2019 – 09/27/2019)

Construction Activities

Construction activities included trench excavation, trench plate and shoring installation, water main pipe installation, and backfilling on General Jim Moore Blvd in Seaside, CA. Excavation and pipe installation activities conducted by Garney Construction. The work site was on General Jim Moore Blvd, approximately 750 feet south of the Coe Ave. intersection, in the number 1 and number 2 northbound lanes.

Leftover spoils from trenching activities were off-hauled daily to a Fort Ord Reuse Authority (FORA)-approved spoils location accessed from Hilby and Mescal Street at the end of each work day. Materials were stored along General Jim Moore Blvd on roadway shoulder. Additional information about construction activities is included in the weekly CalAm report included in **Appendix A** and CPUC inspection logs included in **Appendix B**. Several errors, deficiencies, and/or omissions were noted in the CalAm weekly report and daily logs. ESA communicated these issues to AECOM. These reports will be updated if AECOM supplies corrected reports.

Compliance Activities

All sensitive plants and habitats were marked with pin flags prior to the start of project activities. CalAm monitors have continued Worker Environmental Awareness Training (WEAT) as needed for new employees on site.

Spoils are now temporarily being stored near pit in median of General Jim Moore Blvd. Spoils are used for backfilling by the end of each work day and any leftover spoils or off-hauled to designated spoils storage area adjacent to Mescal Street. Spoils are distributed within designated area by Garney Construction using a dozer. CalAm compliance monitors are onsite daily at pipe installation area and monitor offsite spoils area during all off-hauling and spreading activities.

Garney Construction are refueling vehicles in General Jim Moore Blvd. median at least 50ft away from native habitats.

Trucks covering spoils during transportation to off-hauling site as required by MMRP Impact Mitigation Measure 4.10-1C. Streets swept and cleaned with wet-sweeper regularly.

Street sweepers are being used to minimize vehicle track-out.

Compliance Issues and Resolutions

One non-compliance incident occurred during the week of 9/23/2019-9/27/2019:

-the Contractor established a temporary staging area on closed, paved and fenced portion of Eucalyptus Street in coordination with the owner, Fort Ord Reuse Authority. A Temporary Extra Work Space request (TEWS) is necessary to safely store construction-related equipment and materials on a temporary basis. See **Appendix A** for additional information and TEWS request.

The following Level 1 (Minor) Issues that had been observed the week of 9/16/2019-9/20/2019 during project start up were resolved:

- ESA monitors observed truck transporting spoils with no cover or freeboard. Discussed need to cover spoils piles during transportation to off-hauling sites as required by MMRP Impact Mitigation Measure 4.10-1C.

- ESA observed one unpackaged roll of monofilament straw wattle in staging area along General Jim Moore Blvd. ESA monitors recommended using plastic-free erosion control materials (as required by MMRP Impact Mitigation Measure 4.6-1p) with AECOM monitors.

The following Level 2 (Moderate) Incident is outstanding, initially recorded by ESA CPUC monitors during the week of 9/16/2019-9/20/2019:

- During the week ending September 20, 2019, Garney Construction, with approval from the Fort Ord Reuse Authority, began depositing spoils generated during pipeline excavation on General Jim Moore Boulevard at an area west of Mescal Street between Kimble Avenue and Plumas Avenue. As this area had not been included in the project's environmental documentation, California American Water Company (CalAm) was required to submit a written request for a minor project change to the California Public Utilities Commission (CPUC) Project Manager for review and approval prior to using the area, as described in Section 4.6.1 of the project's Mitigation Monitoring, Compliance, and Reporting Plan (MMCRP). No written request for a minor project change was made prior to use of the site. The size of the deposition area was enlarged during the week of October 4, 2019. No documentation was submitted to CPUC regarding this expansion. A memorandum regarding the Mescal spoils deposition area was submitted to CalAm monitors on November 5, 2019. CalAm monitors provided a memorandum regarding preconstruction special status plant and animal flagging of the proposed FORA soil deposition site to ESA on October 23, 2019. ESA requested additional information for the site; additional documentation and information is forthcoming.

Photographs:

Photo 1. Pipeline installation

Photo 2. Pipeline storage along General Jim Moore Blvd. Sensitive habitats and plants marked with pin flags

Photo 3. Temporary spoils pile

Photo 4. Offsite spoils site (between Mescal St. and General Jim Moore Blvd.)

APPENDIX A

CalAm Weekly Report

Weekly Mitigation Monitoring Summary During Construction

Week Ending 9/27/2019

Weekly Progress of Construction	Work site is on General Jim Moore Blvd, Seaside, approximately 750 feet south of the Coe Ave. intersection. Work is located in the number 1 and number 2 northbound lanes. Approximately 60 LF of pipeline has been installed between Stations 23+20 and 23+80. Excess spoil from pipe trench was delivered to a FORA-approved deposition site located off Hilby and Mescal Roads.
Current Project Completion Status	The project is currently at 2% completion.
Summary of Non-Compliance Impacts	One (1) non-compliance incident this week (see MM 4.14-1); the Contractor established a temporary staging area on closed, paved and fenced portion of Eucalyptus Street in coordination with the owner, Fort Ord Reuse Authority. The TEWS is necessary to safely store construction-related equipment and materials on a temporary basis. See attached Temporary Extra Work Space request.
Summary of New Sensitive Resources Identified	No new sensitive resources were identified; however, the proposed deposition site for over-excavated soils was continuously evaluated during dump truck operations for sensitive plant species (none found within deposition site) and pink pin flags demarcating sensitive plants adjacent to the site were checked by monitors for guiding construction vehicle operators.
Hazardous Materials Handling (any hazardous materials spills defined as reportable by Project mitigation measures and/or plans)	No hazardous materials spills. Equipment moved to paved road median during fueling to maintain a 50-foot buffer from habitat.
Summary including locations of preconstruction or focused surveys conducted	No preconstruction protocol or focused surveys performed. Pre-construction surveys were performed prior to construction start date of 9/16/19. Clearance surveys at the worksite are performed each day prior to mobilization.
Update of bird nesting activities and buffer distances	Nesting bird season is February 1 to September 15. Work performed outside nesting bird season. No nesting bird surveys required.
Summary of special status wildlife or plant relocations	No special-status wildlife relocations necessary. No special-status plant species were identified within the area proposed for soil deposition and no relocations necessary, sandmat manzanita and

	Kellogg's horkelia were identified in the immediate vicinity and were mapped for future flagging before start of construction.
Any SWPPP-related corrective actions or maintenance observations identified	No SWPPP corrective actions necessary. Per the SWPPP, Sean Kazemi, Kaz and Associates, is overseeing SWPPP monitoring and reporting and have trained a contractor representative, Brian Thompson, Garney Construction. Reporting from these individuals is expected to begin the week of October 7th.
Summary of Requests for Minor Modification	None at this time.
Summary of WEAT Trainings Performed	One additional training performed on 9/24/2019.
Summary of Health and Safety Trainings Performed	No additional H&S Trainings performed for this weekly summary report. Daily tailgate H&S meetings documented. No incidents observed or reported.
Other noteworthy elements	Background information for Temporary Extra Work Site (TEWS) is attached with figures. The TEWS is located on the eastern side of the intersection of General Jim Moore Boulevard and Eucalyptus Road in Seaside, CA. The TEWS was selected to meet the following requirements identified in Section 4.6.2 of the MMCRP. It is located on existing pavement and devoid of vegetation; it is used to store construction related equipment and materials (no ground disturbing activities); CalAm has received permission from the owner of the land, the Fort Ord Reuse Authority (FORA); the TEWS is located on a closed, paved roadway and will not result in any adverse environmental effects.
Attached Documents	1 - Weekly Report 9.27.2019 PDF 2 – TEWS 10/4/2019

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
MM 4.3-4	Operational [Brine] Discharge Monitoring, Analysis, Reporting, and Compliance	N/A			
MM 4.3-5	Implement Protocols to Avoid Exceeding Water Quality Objectives	N/A			
APM 4.4-3	Groundwater Monitoring and Avoidance of Well Damage	N/A			
MM 4.6-1b	MM 4.6-1b - WEAT	On-going	All workers attend WEAT training and have sticker on hardhat?	Y	
MM 4.6-1c	General Avoidance and Minimization Measures:	On-going			
	CalAm's construction contractor(s) shall implement the following general avoidance and minimization measures to protect special-status species and sensitive natural communities at the facility sites during construction: 1. The construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, shall be delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area. Any construction-related disturbance outside of these boundaries, including driving, parking, temporary access, sampling or testing, or storage of materials, shall be prohibited without explicit approval of the Lead Biologist.		4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?	Y	
	2. New access driveways shall not extend beyond the delineated construction work area boundary. Construction vehicles shall pass and turn around only within the delineated construction work area boundary or local road network. Where new access is required outside of existing roads or the construction work area, the route shall be clearly marked (i.e., flagged and/or staked) prior to being used, subject to review and approval of the Lead Biologist.		4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	Y	
	3. Vehicle speeds within the project area shall not exceed 15 miles per hour on roads within the sites.		4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	Y	Confined work area; no rapid truck movements possible.
	4. Excavated soils shall be stockpiled in disturbed areas lacking native vegetation. Stockpile areas shall be marked by the Lead Biologist to define the limits where stockpiling can occur.		4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	Y	Applied to soil deposition areas.
	5. Standard best management practices (such as setbacks and use of silt fences and fiber rolls) shall be employed to prevent loss of habitat due to erosion caused by project related impacts (i.e., grading or clearing for new roads). All detected erosion shall be remedied immediately upon discovery.		4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	Y	Applied to soil deposition areas.

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
	6. Fueling of construction equipment shall take place within existing paved areas, and at least 50 feet from drainages (including streams, creeks, ditches, culverts, or storm drain inlets) and native habitats. Contractor equipment shall be checked for leaks prior to operation and repaired when leaks are detected. Fuel containers shall be stored within appropriately-sized secondary containment barriers.		4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	Y	Equipment moved to road median during fueling.
	7. The introduction of exotic plant species shall be avoided through physical or chemical removal and prevention. Measures to prevent the introduction of exotic plants into the construction site via vehicular sources shall include implementing Track clean or other method of vehicle cleaning for vehicles coming to the site and leaving the site. Earthmoving equipment shall be cleaned prior to transport to the project area. Weed-free rice straw or other certified weed-free straw shall be used for erosion control. Weed populations introduced into the site during construction shall be eliminated by chemical and/or mechanical means approved by California Department of Fish and Wildlife (CDFW) and the United States Fish and Wildlife Service (USFWS).		4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	Y	
	8. Use of herbicides as vegetation control measures shall be used only when mechanical means have been deemed ineffective. All uses of such herbicidal compounds shall observe label and other restrictions mandated by the U.S. Environmental Protection Agency, California Department of Food and Agriculture, and state and federal legislation as well as additional project-related restrictions deemed necessary by the CDFW and/or USFWS. No rodenticides shall be used.		4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	N/A	
	9. Prior to the start of construction at any proposed facility site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary shall be fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction (see Table 4.6-6 for the list of special-status species that could be significantly impacted at each project facility site). The exclusion fencing shall be constructed of metal flashing, plastic sheeting, or other materials that will prohibit California horned lizards, Monterey shrews, and other special-status reptiles, amphibians, and rodents from climbing the fence. If meshing is used it shall be of a size that would not catch wildlife. The fencing shall be buried a minimum of 6 inches below grade to secure the fence and extend a minimum of 30 inches above grade. The fencing shall be inspected by the Lead Biologist or qualified biological monitor on a daily basis during construction activities to ensure fence integrity. Any needed repairs to the fence shall be performed on the day of their discovery. Fencing shall be installed and maintained during all phases of construction. Final fence design and location shall be determined		4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	N/A	

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
	in consultation with USFWS and CDFW. Exclusion fencing shall be removed once construction activities are complete.				
	10. If special-status wildlife species are found on the site immediately prior to construction or during project construction, construction activities shall cease in the vicinity of the animal until the animal moves on its own (if possible, as determined by the Lead Biologist or biological monitor) outside of the project area. Additional mitigation measures specific to special-status plants; Smith's blue butterfly; black legless lizard, silvery legless lizard, and coast horned lizard; western burrowing; American badger; Monterey dusky-footed woodrat, California red-legged frog and California tiger salamander are described in Mitigation Measure 4.6-1f, 4.6-1g, 4.6-1h, 4.6-1j 4.6-1k, and 4.6-1o. The Lead Biologist and Lead Agencies shall consult with wildlife resource agency(ies) with jurisdiction over the species regarding any additional avoidance, minimization, or mitigation measures that may be necessary if the animal does not move on its own. A report shall be prepared by the Lead Biologist to document the activities of the animal within the site; all fence construction, modification, and repair efforts; and movements of the animal once again outside the exclusion fence. This report shall be submitted to the CPUC and pertinent wildlife agencies with jurisdiction over the wildlife species.		4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	N/A	
	11. Vegetation removal and grading activities shall be conducted during daylight hours. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, the Lead Biologist or a qualified biologist shall survey within the exclusion area to ensure that no special-status species are present. The Lead Biologist or a qualified biologist shall also monitor vegetation removal or grading activities inside fenced exclusion areas for the presence of special-status species. If special-status species are present, then measure 10 above shall be implemented.		4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	N/A	
	12. To prevent the inadvertent entrapment of special-status wildlife during construction, all excavated, steep-walled holes or trenches more than 2 feet deep shall be covered with plywood or similar materials at the close of each working day, or escape ramps constructed of earth fill or wooden planks shall be positioned within the excavations to allow special-status wildlife to escape on their own. Before such holes or trenches are filled, they shall be thoroughly inspected for trapped animals. If trapped animals are observed, escape ramps or structures shall be installed immediately to allow escape. If listed species are trapped, they shall only be relocated with authorization from USFWS and/or CDFW, as appropriate.		4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	Y	Trench completely covered with steel plates.

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
	13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more shall be inspected for special-status wildlife before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If a special-status animal is discovered inside a pipe, that section of pipe shall not be moved until the appropriate resource agency, with jurisdiction over that species, has been consulted to determine the appropriate method for relocation. If necessary, under the direct supervision of the qualified biologist, the pipe may be moved once to remove it from the path of construction activity until the animal has escaped.		4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	Y	
	14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, shall be temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special-status birds.		4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	Y	
	15. Water used for dust abatement shall be minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas.		4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	Y	
	16. No vehicle or equipment parked in the project area shall be moved prior to inspecting the ground beneath the vehicle or equipment for the presence of wildlife. If present, the animal shall be left to move on its own.		4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	Y	
	17. All vehicles and equipment shall be in proper working condition to ensure that there is no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials. The Lead Biologist shall be informed of any hazardous spills within 24 hours of the incident. Hazardous spills shall be immediately cleaned up and the contaminated soil shall be properly disposed of at a licensed facility.		4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	Y	No hazardous materials leaks.
	18. A trash abatement program shall be implemented during construction. Trash and food items shall be contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs.		4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	Y	
	19. Workers shall be prohibited from feeding wildlife and bringing pets and firearms to the construction work areas.		4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	Y	
	20. Intentional killing or collection of wildlife species, including special-status species in the project area and surrounding areas shall be strictly prohibited.		4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	Y	

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
	21. All temporarily disturbed areas shall be returned to pre-project conditions or better. Existing access roads within the CEMEX site shall be returned to their existing use. This measure also applies to periodic maintenance of the subsurface slant wells.		4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	Y	
MM 4.6-1d	Protective Measures for Western Snowy Plover	N/A			
MM 4.6-1e	Avoidance and Minimization Measures for Special-status Plants	On-going			
	Prior to construction, CalAm or its contractor shall conduct focused botanical survey(s) for special-status plants in all potentially suitable habitat during the appropriate blooming period for each species and in accordance with the guidelines established by California Department of Fish and Game in Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities (CDFG, 2009). Maps depicting the results of these surveys shall be prepared for use in final design.		4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	Y	Expanded soil deposition sites were evaluated during this work week in advance of work in those areas.
	1. To the extent feasible, project facilities shall be sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements.		4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	Y	On-going avoidance, if species are present.
	2. Special-status plants located within temporary construction areas shall be fenced or flagged for avoidance (if feasible) prior to construction. The Lead Biologist or the appointed biological monitor shall ensure compliance with off-limits areas. If avoidance is not feasible, seasonal avoidance measures (i.e., limited operating periods based on timing of annual plant dormancy), or temporarily placing heavy fabric or wooden mats over the affected habitat shall be applied as appropriate. Topsoil salvage and site restoration may also be implemented, to be determined by the Lead Biologist and USFWS and CDFW, as appropriate, to ensure the site is returned to pre-construction conditions.		4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	Y	On-going flagging and avoidance, if required.
	3. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, CalAm shall comply with the FESA CESA by implementing any requirements from USFWS and CDFW consultation. For state listed rare plants, a state Incidental Take Permit (ITP) may be required which would provide conditions for allowable take and measures to compensate impacts on rare plants.		4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?	N/A	No potential impacts identified.
	4. For HMP plant species on former Fort Ord lands, plants shall be salvaged, under the direction of a qualified biologist, as necessary, per the		4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as	N/A	No plant salvaging actions required.

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
	requirements of the HMP, and in accordance with any requirements from USFWS and CDFW.		necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?		
MM 4.6-1f	Avoidance and Minimization Measure for Smith's Blue Butterfly	N/A			
MM 4.6-1g	Avoidance and Minimization Measures for Black Legless Lizard, Silvery Legless Lizard, and Coast Horned Lizard	N/A			
	The Lead Biologist shall appoint a qualified biologist possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard to conduct preconstruction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral.		4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	N/A	
	1. Prior to conducting the surveys, the qualified biologist shall prepare a relocation plan that describes the appropriate survey and handling methods for the lizards, and identifies nearby relocation sites where the lizards would be relocated if found during the preconstruction surveys. Surveys shall be conducted at relocation sites to determine the existing lizard population size and ensure that the relocation sites will not become overpopulated. Only relocation sites that are not overpopulated and have suitable habitat conditions (e.g., soils, moisture content, vegetation, aspect) shall be used. The relocation plan shall be submitted to CDFW for approval prior to the start of construction activities.		4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	N/A	
	2. Legless lizard surveys shall be conducted by hand raking soil and leaf litter beneath brush. If Legless lizards are encountered, they shall be salvaged and relocated per the relocation plan. 3. Coast horned lizard surveys shall be conducted by walking transects spaced appropriately to allow for 100 percent visual coverage in search of lizards under shrubs, along gravelly-sandy areas, or any other suitable habitat.		4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	N/A	
	Any lizard encountered shall be relocated per the relocation plan.		4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	N/A	
MM 4.6-1h	Avoidance and Minimization Measures for Western Burrowing Owl	N/A			Conducted, as needed, within proposed soil deposition areas. Please refer to the Pre-construction survey memorandum attached as part of the 9/20/19 weekly report for additional information.

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
	The following measures shall be implemented to avoid and minimize impact on western burrowing owl: 1. Prior to the start of construction activities in or around suitable burrowing owl habitat, the Lead Biologist shall appoint a qualified biologist to conduct protocol surveys for burrowing owl. The survey methodology shall be consistent with the methods outlined in the Staff Report on Burrowing Owl Mitigation (CDFG, 2012). The surveys shall consist of walking parallel transects spaced 7 to 20 meters (23 to 65 feet) apart, adjusting for vegetation height and density as needed, and noting any potential burrows with fresh burrowing owl sign or presence of burrowing owls. A copy of the protocol survey results shall be submitted to the CPUC and CDFW upon request. Protocol surveys shall be conducted within both the breeding and non-breeding seasons to determine the presence/absence of burrowing owls. 2. A qualified biologist shall conduct preconstruction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation. The methodology for the preconstruction surveys shall be consistent with the methods outlined in the Staff Report on Burrowing Owl Mitigation.		4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	Y	Pre-construction surveys held September 12, 2019 were performed prior to the official initiation of work on September 16, 2019.
	4. In areas positive for burrowing owl presence, the Lead Biologist or qualified biological monitor shall be onsite during all construction activities in areas where burrowing owls are determined to be present.		4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	N/A	
	5. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities shall be permitted within the distances specified in Table 4.6-8 from an active burrow, unless otherwise authorized by CDFW. The specified buffer distance ranges from 656 feet to 1,640 feet, according to the time of year and the level of disturbance. Buffers shall be established in accordance with Table 4.6-8 and occupied burrows shall not be disturbed during the nesting season unless a qualified biologist approved by CDFW verifies through noninvasive methods that either: (1) the birds have not begun egg-laying and incubation; or (2) juveniles from the occupied burrows are foraging independently and are capable of independent survival. Burrowing owls shall not be moved or excluded from burrows during the breeding season (April 1 to October 15). The buffer distance can be reduced with authorization from CDFW if construction activities would not cause an adult to abandon an active nest or young or change an adult's behavior so it could not care for an active nest or young.		4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	N/A	Pre-construction surveys held September 12, 2019 were performed prior to the official initiation of work on September 16, 2019.
	6. During the non-breeding (winter) season (October 16 to March 31), consistent with Table 4.6-8, ground-disturbing work shall maintain a		4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging	N/A	

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
	distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW. The buffer distance can be reduced with authorization from CDFW if construction activities would not cause the owl to abandon its winter burrow. If active winter burrows are found that would be directly affected by ground-disturbing activities, owls can be displaced from winter burrows according to recommendations made in the Staff Report on Burrowing Owl Mitigation.		from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?		
	7. Burrowing owls shall not be excluded from burrows unless or until a Burrowing Owl Exclusion Plan is developed by the Lead Biologist, approved by CDFW, and submitted to the CPUC. At a minimum, the plan shall include the following: a. Confirmation by site surveillance that the burrow(s) is empty of burrowing owls and other species preceding the use of a scope to visually inspect the burrow; b. Specifications regarding the type of scope to be used and the appropriate timing of using a scope to visually inspect burrows to avoid disturbance of individual owls; c. Occupancy factors to look for and what shall guide determination of vacancy and excavation timing; d. Methods for burrow excavation. Excavation using hand tools with refilling to prevent reoccupation is preferable; e. Removal of other potential owl burrow surrogates or refugia onsite; f. Photographing the excavation and closure of the burrow to demonstrate success and sufficiency; g. Monitoring of the site to evaluate success and, if needed, to implement remedial measures to prevent subsequent owl use and to avoid take; h. Methods to ensure the impacted site shall continually be made inhospitable to burrowing owls and fossorial mammals (e.g., by allowing vegetation to grow tall, heavy disking, or immediate and continuous grading) until development is complete.		4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	N/A	
	8. Site monitoring shall be conducted prior to, during, and after exclusion of burrowing owls from their burrows sufficient to ensure take is avoided. Prior to exclusion activities, daily monitoring shall be conducted for one week to confirm young owls have fledged if the exclusion occurs immediately after the end of the breeding season.		4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	N/A	
	9. If burrowing owls are found on-site, compensatory mitigation for loss of breeding and/or wintering habitat shall be implemented onsite or offsite in accordance with burrowing owl Staff Report on Burrowing Owl Mitigation guidance and in consultation with CDFW. If compensatory mitigation is necessary, CalAm shall detail the compensatory mitigation in a Burrowing Owl Habitat Mitigation Plan (which shall be incorporated into the Habitat		4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	N/A	

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	Mitigation and Monitoring Plan described in Mitigation Measure 4.6-1n). At a minimum, the following measures shall be implemented: a. Temporarily disturbed habitat shall be restored to pre-construction conditions, including soil decompaction and revegetation. b. Permanent impacts on nesting, occupied and satellite burrows, and any other burrowing owl habitat shall be mitigated such that the habitat acreage, number of burrows, and number of burrowing owls impacted are replaced. Compensatory mitigation may include the permanent conservation of lands with similar vegetation communities (grassland, scrublands, desert, urban, and agriculture) as those lands where the permanent loss of habitat would occur. Conservation lands shall provide habitat for burrowing owl nesting, foraging, wintering, and/or dispersal (i.e., during breeding and nonbreeding seasons) comparable to or better than that of the impact area, and with sufficiently large acreage, and presence of fossorial mammals. Alternatively, compensatory credits may be purchased through an approved mitigation bank, or approved Habitat Conservation Plan.				
MM 4.6-1i	Avoidance and Minimization Measures for Nesting Birds	N/A			Construction start outside nesting bird season. No surveys necessary.
	2. For all construction activities scheduled to occur during the nesting season (February 1 to September 15), the qualified biologist shall conduct a preconstruction avian nesting survey no more than 10 days prior to the start of staging, site clearing, and/or ground disturbance. Copies of the survey results shall be submitted to the CPUC.		4.6-1i. 1. For all construction activities scheduled during the nesting season (February 1 to September 15), a qualified biologist conducted a pre-construction avian nesting survey no more than 10 days prior to the start of staging, site clearing, and/or ground disturbance?	N/A	Construction start outside nesting bird season. No surveys necessary.
	5. The surveying biologist shall be capable of determining the species and nesting stage without causing intrusive disturbance. The surveys shall cover all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds.		4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	N/A	Construction start outside nesting bird season. No surveys necessary.
	4. If there is a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey shall be conducted before reinitiating construction.		4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	N/A	Construction start outside nesting bird season. No surveys necessary.
	If active nests are found in the project area or vicinity (500 feet for raptors and 300 feet for other birds), the nests shall be continuously surveyed for the first 24 hours prior to any construction related activities to establish a behavioral baseline and, once work commences, all nests shall be continuously monitored to detect any behavioral changes as a result of the project, if feasible. If behavioral changes are observed, work causing the change shall cease and CDFW shall be consulted for additional avoidance and minimization measures. The avoidance and minimization measures shall ensure that the construction activities do not cause the adult to		4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	N/A	Construction start outside nesting bird season. No surveys necessary.

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	abandon an active nest or young or change an adult's behavior so it could not care for an active nest or young.				
	If continuous monitoring is not feasible, a no-disturbance buffer (at least 500 feet for raptors and 250 feet for other birds [or as otherwise determined in consultation with CDFW and USFWS] shall be created around the active nests). The buffer distance can be reduced with authorization from CDFW if construction activities would not cause an adult to abandon an active nest or young or change an adult's behavior so it could not care for an active nest or young. If the nest(s) are found in an area where ground disturbance is scheduled to occur, the project operator shall require that ground disturbance be delayed until after the birds have fledged.		4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	N/A	Special status bird species were not observed.
MM 4.6-1j	Avoidance and Minimization Measures for American Badger.	On-going			Clearance survey for badger completed at spoil site. Species absent and impacts avoided. Please refer to the Pre-construction survey memorandum attached as part of the 9/20/19 weekly report for additional information.
	1. A qualified biologist shall conduct preconstruction surveys for American badger dens prior to the start of construction at potentially affected sites. The survey results shall be submitted to the CPUC. 2. Areas of suitable habitat for American badger in the project area include fallow agricultural and grazing land and non-native grasslands. Surveys shall be conducted wherever these vegetation communities exist within 100 feet of the project area boundary. Along pipeline alignments surveys shall be phased to occur within 14 days prior to disturbance along that portion of the alignment. Game cameras shall be used to record any movements at potentially active dens for no less than three (3) nights.		4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	Y	
	3. Areas of suitable habitat for American badger in the project area include fallow agricultural and grazing land and non-native grasslands. Surveys shall be conducted wherever these vegetation communities exist within 100 feet of the project area boundary. Along pipeline alignments surveys shall be phased to occur within 14 days prior to disturbance along that portion of the alignment.		4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	Y	
	4. If no potential American badger dens are found during the preconstruction surveys, no further action is required 5. If the biologist determines that any potential dens identified during the preconstruction surveys are inactive, the biologist shall excavate the dens by hand with a shovel to prevent use by badgers during construction.		4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	N/A	Clearance survey for badger completed at spoil site. Species absent and impacts avoided.
	6. If active badger dens are found during the course of preconstruction surveys, the following measures shall be taken to avoid and minimize adverse effects on American badger:		4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	N/A	

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	a. Relocation shall be prohibited during the badger pupping season (typically February 15 to June 1). b. Construction activities shall not occur within 50 feet of active badger dens observed outside of the project area. c. The Lead Biologist shall contact CDFW immediately if natal badger dens are detected. Construction activities shall not occur within 200 feet of an active natal badger den. This buffer may be reduced, if approved by CDFW, and if construction would not alter the behavior of the adult or young in a way that would cause injury or death to those individuals. If the biologist determines that potential dens within the project area, and outside the breeding season, may be active, the biologist shall notify the CDFW. Badgers shall be passively relocated from active dens during the nonbreeding season. Passive relocation may include incrementally blocking the den entrance with soil, sticks, and debris for three to five days to discourage use of these dens prior to project disturbance. After the qualified biologist determines that badgers have abandoned any active dens found within the project area, the dens shall be hand-excavated with a shovel to prevent re-use during construction.				
			4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	N/A	
MM 4.6-1k	Avoidance and Minimization Measures for Monterey Dusky-Footed Woodrat	N/A			While outside typical suitable habitat, initial survey conducted at project initiation only. Please refer to the Pre-construction survey memorandum attached as part of the 9/20/19 weekly report for additional information.
	1. A qualified wildlife biologist shall conduct preconstruction surveys for Monterey dusky-footed woodrat. The surveys shall be conducted within 14 days prior to the start of construction in suitable habitat and shall identify any woodrat nests located within 50 feet of anticipated construction disturbance areas.		4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	N/A	See notes above. Survey conducted September 12, 2019, prior to this monitoring period.
	2. If woodrat nests are found during the preconstruction surveys, the wildlife biologist shall conduct additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests.		4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	N/A	
	3. If nests are observed outside of the construction area, the qualified biologist shall demarcate a minimum 50-foot buffer area with orange construction fencing and require that all construction activities and disturbance remain outside of the fencing.		4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	N/A	
	4. Active woodrat nests located within the anticipated construction disturbance areas shall be relocated. Nests shall be relocated outside of the		4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak	N/A	

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	peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats. Relocation of woodrats and/or their nests shall be conducted by the Lead Biologist or qualified wildlife biologist as follows:		breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?		
	a. Clear understory vegetation from around the nest using hand tools. b. After all vegetative cover has been cleared around the nest, the biologist shall gently disturb the nest to encourage the woodrat(s) to abandon the nest and seek cover in adjacent habitat. c. Once the woodrats have left the nest, the biologist shall carefully relocate the nest sticks to suitable habitat outside of the construction disturbance area, piling the sticks at the base of trees or large shrubs if available. If multiple nests are relocated, the stick piles shall be placed at least 25 feet from one another. d. The Lead Biologist shall ensure potential health hazards to the biologists moving nests are addressed to minimize the risk of contracting diseases associated with woodrats and woodrat nests. These include hantavirus, Lyme disease, and plague. The biologists that relocate nests shall take the following precautionary safety measures: i. Wear a Cal/OSHA-certified facial respirator to reduce inhalation of potential disease causing organisms. ii. Wear a white Tyvec protective suit to provide a barrier for ticks and fleas and facilitate their detection and removal and use gloves. e. If young are encountered during dismantling of the nest, nest material shall be replaced and a 50-foot no-disturbance buffer shall be established around the active nest. The buffer shall remain in place until young have matured enough to disperse on their own accord and the nest is no longer active. Nesting substrate shall then be collected and relocated to suitable oak woodland habitat outside of the project area		4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	N/A	
			4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	N/A	
			4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	N/A	
MM 4.6-1l	Avoidance and Minimization Measures for Special-Status Bats	N/A			While outside typical suitable habitat, initial survey conducted at project initiation only. Please refer to the Pre-construction survey memorandum attached as part of the 9/20/19 weekly report for additional information.
	A qualified biologist who is experienced with bat surveying techniques (including auditory sampling methods), behavior, roosting habitat, and identification of local bat species shall be consulted prior to initiation of construction activities to conduct a preconstruction habitat assessment to		4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat	N/A	Preconstruction survey for this species was completed. None observed.

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		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
	characterize potential bat habitat and identify active roost sites. The preconstruction habitat assessment shall be conducted within 100 feet of construction activities.		habitat and identify active roost sites within 100 feet of construction activities?		
	Should potential roosting habitat or potentially active bat roosts be identified during the habitat assessment in trees and/or structures to be disturbed under the project, the following measures shall be implemented: 1. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts shall occur when bats are active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible. These dates avoid bat maternity roosting season (approximately April 15 – August 31) and periods of winter torpor (approximately October 15 – February 28).		4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occured when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	N/A	
	2. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist will conduct pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site. a. If active bat roosts are not identified in potential habitat during preconstruction surveys, no further action is required prior to removal of- or disturbance to trees and structures within the preconstruction survey area. b. If active bat roosts or evidence of roosting is identified during pre-construction surveys, the qualified biologist shall determine, if possible, the type of roost and species. i. If special-status bat species or maternity or hibernation roosts are detected during these surveys, appropriate species- and roost-specific avoidance and protection measures shall be developed by the qualified biologist in coordination with CDFW. Such measures may include postponing the removal of structures or trees, or establishing exclusionary work buffers while the roost is active. A minimum 100-foot no disturbance buffer shall be established around special-status species, maternity, or hibernation roosts until the qualified biologist determines they are no longer active. The size of the no-disturbance buffer may be adjusted by the qualified biologist, in coordination with CDFW, depending on the species present, roost type, existing screening around the roost site (such as dense vegetation or a building), as well as the type of construction activity that would occur around the roost site, and if construction would not alter the behavior of the adult or young in a way that would cause injury or death to those individuals. Under no circumstances shall active maternity roosts be disturbed until the roost disbands at the completion of the maternity roosting season or otherwise becomes inactive, as determined by the qualified biologist. ii. If a non-maternity or hibernation roost (e.g., bachelor daytime roost) is		4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?	N/A	

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		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
	identified, disturbance to- or removal of trees or structures may occur under the supervision of a qualified biologist as described under 3).				
	3. The qualified biologist shall be present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present. Trees and structures with active non-maternity or hibernation roosts or potential habitat shall be disturbed or removed only under clear weather conditions when precipitation is not forecast for three days and when nighttime temperatures are at least 50°F, and when wind speeds are less than 15 mph a. Trimming or removal of trees with active (non-maternity or hibernation) or potentially active roost sites shall follow a two-step removal process: i. On the first day of tree removal and under supervision of the qualified biologist, branches and limbs not containing cavities or fissures in which bats could roost, shall be cut only using hand tools (e.g., chainsaws). ii. On the following day and under the supervision of the qualified biologist, the remainder of the tree may be removed, either using hand tools or other equipment (e.g. excavator or backhoe). iii. All felled trees shall remain on the ground for at least 24 hours prior to chipping, off-site removal, or other processing to allow any bats to escape, or be inspected once felled by the qualified biologist to ensure no bats remain within the tree and/or branches. b. Disturbance to or removal of structures containing or suspected to contain active bat (non-maternity or hibernation) or potentially active bat roosts shall be done in the evening and after bats have emerged from the roost to forage. Structures shall be partially dismantled to significantly change the roost conditions, causing bats to abandon and not return to the roost. Removal will be completed the subsequent day.		4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	N/A	
	4. Bat roosts that begin during construction are presumed to be unaffected as long as a similar type of construction continues, and no buffer would be necessary. Direct impacts on bat roosts or take of individual bats will be avoided		4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?	N/A	Special status bat species were not observed.
MM 4.6-1m	Avoidance and Minimization Measures for Native Stand of Monterey Pine	N/A			
MM 4.6-1n	Habitat Mitigation and Monitoring Plan	N/A			
MM 4.6-1o	Avoidance and Minimization Measures for California Red-Legged Frog and California Tiger Salamander	N/A			
	2. Preconstruction surveys shall be conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows.		4.6-1o. 1. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?	N/A	

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		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
	3. Small mammal burrows identified during preconstruction surveys shall be surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander.		4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?	N/A	
	Once the burrow is confirmed to be vacant, the burrow shall be collapsed.		4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?	N/A	
	4. If California red-legged frog or California tiger salamander are observed within the construction area, a qualified biologist shall relocate the individual according to the relocation plan above and only with authorization from USFWS and CDFW, as appropriate.		4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?	N/A	
	5. Exclusion fencing shall be installed around construction areas where there is a moderate to high potential for these species to occur as specified in Mitigation Measure 4.6-1c (General Avoidance and Minimization Measures) and only with authorization from USFWS and CDFW.		4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?	N/A	
	6. The qualified biologist shall monitor vegetation removal and grading inside the exclusion fence as specified in Mitigation Measure 4.6-1c (General Avoidance and Minimization Measures).		4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?	N/A	Note: While observations for protected species have been conducted and flagged during pre-construction surveys, biological monitoring is on-going. This is specific to these species and exclusion fencing.
	1. Prior to conducting the surveys, the qualified biologist shall prepare a relocation plan that describes the appropriate survey and handling methods for California red-legged frog and California tiger salamander, and identifies nearby relocation sites where individuals would be relocated if found during the preconstruction surveys. The relocation plan shall be submitted to USFWS and CDFW for approval prior to the start of construction activities. The animal shall be relocated to a similar type of habitat or better from where it was relocated and shall only be relocated with authorization from USFWS and CDFW, as appropriate.		4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?	N/A	
MM 4.6-1p	Control Measures for Spread of Invasive Plants	on-going			
	Construction best management practices shall be implemented in construction areas within or adjacent to lands with native plant communities that may be susceptible to non-native plant species invasion to prevent the spread of invasive plants, seed, propagules, and pathogens through the following actions: 1) Avoid driving in or operating equipment in weed-infested areas outside of fenced work areas and restrict travel to established roads.		4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	Y	

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	2) Avoid leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas). Non-active stockpiles shall be covered with plastic or a comparable material.		4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	Y	
	3) Clean tools, equipment, and vehicles before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points).		4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	Y	
	Inspect vehicles and equipment for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas. Designate areas within active construction sites for cleaning and inspections.		4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	Y	
	4) An environmental inspector, under direction of the Lead Biologist or appointed qualified biologist (see Mitigation Measure 4.6-1a) shall inspect vehicles and equipment prior to project initiation at applicable work areas (listed above) for weed seeds and plant fragments that could colonize within the site or be transported to other sites.		4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	Y	
	At project initiation, all construction vehicles must be cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that are not clean shall be rejected until clear of weed seed and plant fragments. Wheel washing stations or other methods to remove and contain seeds or other plant fragments from vehicles, equipment, boots, and tools shall be established in designated areas.		4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	Y	
	5) All equipment and tools involved in soil disturbance at applicable work areas shall be disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site.		4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	Y	
	6) Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) shall be used for the project.		4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	Y	
	7) Within U.S. Army-owned land, control measures for invasive species also shall conform to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests).		4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	N/A	No work in Army lands for this reporting period.
MM 4.6-1q	Frac-out Contingency Plan	N/A			
MM 4.6-2b	Avoid, Minimize, and Compensate for Construction Impacts to Sensitive Communities and Environmentally Sensitive Habitat Areas	N/A			

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		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
MM 4.6-3	Avoid, Minimize, and or Mitigate Impacts to Wetlands	N/A			
MM 4.6-4	Compliance with Local Tree Ordinances.	On-going			
	1. The project applicant shall perform a comprehensive survey within the project footprint to identify, measure, and map trees subject to local tree removal ordinances (as specified in Table 4.6-10) at least 30 days prior to start of planned ground disturbance or tree removal.		4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	N/A	No tree removal performed.
	2. Any trees that are subject to local tree removal ordinances shall be avoided to the extent practicable.		4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	N/A	
	3. If tree removal cannot be avoided by project construction, then the applicant shall comply with the applicable local tree policies or ordinances, obtain appropriate tree removal permits from applicable local agencies, and comply with those permits.		4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?	N/A	
	4. Tree removal, preservation, or mitigation on Army property would be done in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008).		4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?	N/A	
MM 4.9-1	Traffic Control and Safety Assurance Plan	Complete			Observer/Reporter is NB
	CalAm and/or the construction contractor(s) shall obtain any necessary road encroachment permits (e.g., from Caltrans and/or the U.S. Army) prior to constructing each project component and shall comply with the conditions of approval attached to all project permits and approvals. As part of the road encroachment permit process, a qualified traffic engineer shall prepare a traffic control and safety assurance plan in accordance with professional engineering standards and submit the plan to the agencies with jurisdiction over the affected roads and recreational trails, as well as to the California Public Utilities Commission, for review and approval. For all project construction activities that could affect the public right-of-way (e.g., roadways, sidewalks, and walkways), the plan shall include measures that would provide for continuity of vehicular, pedestrian, and bicyclist traffic; reduce the potential for traffic accidents; and ensure worker safety in construction zones. Where project construction activities could disrupt mobility and access for bicyclists and pedestrians, the plan shall include measures to ensure safe and convenient access, including recreation and coastal, would be maintained.		Has an encroachment permit been obtained from the affected jurisdictions, where required and a copy of the associated Traffic Control Plan been approved by the CPUC? (see NTPR-1 Appendix A)	Y	Encroachment permit obtained from City of Seaside; Right-of-Entry received from Fort Ord Reuse Authority for excavation south of Coe Avenue. Encroachment permit provided to CPUC with NTPR-1, Appendix D02. No major revisions to the Traffic Control Plan (TCP) required during this reporting period.
	The traffic control and safety assurance plan shall be developed on the basis of detailed design plans for the approved project. The plan shall		4.9-1. 1. Have circulation and detour plans have been developed to minimize impacts on local streets?	Y	Periodic field confirmation of implementation as prescribed in TCP.

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
	include, but not necessarily be limited to, the elements listed below: • Develop circulation and detour plans to minimize impacts on local streets. Haul routes that minimize truck traffic on local roadways and residential streets shall be used. As necessary, signage and/or flaggers shall be used to guide vehicles through the construction work areas.				
	• Control and monitor construction vehicle movements by enforcing standard construction specifications through periodic onsite inspections.		4.9-1. 2. Have periodic onsite inspections occurred to control and monitor construction vehicle movements by enforcing standard construction specifications?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	• Install traffic control devices where traffic conditions warrant, as specified in the applicable jurisdiction's standards (e.g., the California Manual of Uniform Traffic Controls for Construction and Maintenance Work Zones).		4.9-1. 3. Has traffic control devices been installed where traffic conditions warrant, as specified in the applicable jurisdiction's standards (e.g., the California Manual of Uniform Traffic Controls for Construction and Maintenance Work Zones)?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	• Schedule truck trips outside of peak morning and evening commute hours to minimize adverse impacts on traffic flow (i.e., if agencies with jurisdiction over the affected roads identify highly congested roadway segments during their review of the encroachment permit applications).		4.9-1. 4. Have truck trips been scheduled outside of peak morning and evening commute hours to minimize adverse impacts on traffic flow (i.e., if agencies with jurisdiction over the affected roads identify highly congested roadway segments during their review of the encroachment permit applications)?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	• Post detour signs along affected roadways to notify motorists of alternative routes.		4.9-1. 5. Have detour signs been posted along affected roadways to notify motorists of alternative routes?	N/A	Periodic field confirmation of implementation as prescribed in TCP.
	• Perform construction that crosses on-street and off-street bikeways, sidewalks, and other walkways in a manner that allows for safe access for bicyclists and pedestrians. Alternatively, provide safe detours to reroute affected bicycle/pedestrian traffic.		4.9-1. 6. Has construction work been performed that crosses on-street and off-street bikeways, sidewalks, and other walkways in a manner that allows for safe access for bicyclists and pedestrians. Alternatively, provide safe detours to reroute affected bicycle/pedestrian traffic?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	• At least two weeks prior to construction, post signage along all potentially affected recreational trails and coastal access point; Class I, II, and II bicycle routes; and pedestrian pathways, including the Monterey Peninsula Recreational Trail, to warn bicyclists and pedestrians of construction activities. The signs shall include information regarding the nature of construction activities, duration, and detour routes. Signage shall be composed of or encased in weatherproof material and posted in conspicuous locations, including on park message boards, and existing wayfinding signage and kiosks, for the duration of the closure period. At the end of the closure period, CalAm or its contractors shall retrieve all notice materials.		4.9-1. 7. Has signage been posted at least two weeks prior to construction along all potentially affected recreational trails and coastal access point; Class I, II, and II bicycle routes; and pedestrian pathways, including the Monterey Peninsula Recreational Trail, to warn bicyclists and pedestrians of construction activities?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	• CalAm and its contractors shall schedule construction activities to minimize impacts during heavy recreational use periods (e.g., weekends and holidays).		4.9-1. 8. Has CalAm and its contractors scheduled construction activities to minimize impacts during heavy recreational use periods (e.g., weekends and holidays)?	N/A	

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
	• Implement a public information program to notify motorists, bicyclists, nearby residents, and adjacent businesses of the impending construction activities (e.g., media coverage, email notices, websites, etc.). Notices of the location(s) and timing of road closures shall be published in local newspapers and on available websites to allow motorists to select alternative routes. This provision shall be implemented in conjunction with Mitigation Measure 4.12-1a (Neighborhood Notice).	Complete	4.9-1. 9. Has a public information program been implemented to notify motorists, bicyclists, nearby residents, and adjacent businesses of the impending construction activities (e.g., media coverage, email notices, websites, etc.)?	Y	CalAm has instituted a public information program.
	• Consult with non-jurisdictional parties (e.g., CEMEX), as appropriate, regarding strategies for reducing increased traffic on roads that would provide access to construction work areas.		4.9-1. 10. Have non-jurisdictional parties (e.g., CEMEX), been consulted as appropriate, regarding strategies for reducing increased traffic on roads that would provide access to construction work areas?	Y	Fort Ord Reuse Authority has been contacted regarding access to fill deposition sites on FORA-managed lands. City of Seaside has also been notified.
	• Store all equipment and materials in designated contractor staging areas.		4.9-1. 11. Have all equipment and materials been stored in designated contractor staging areas?	N	Additional storage space was used near Eucalyptus and General Jim Moore Blvd. The additional space is on paved area behind a barricaded road. Approval has been obtained by the owner (FORA). Use of this area was relayed verbally by John Chamberlain (AECOM) to Cory Barringhaus (ESA). TEWS submitted in accordance with the MMRCP procedures.
	• Maintain alternate one-way traffic flow past the construction zone where possible.		4.9-1. 12. Has one-way traffic flow been maintained past the construction zone where possible?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	• Install detour signs to direct traffic to alternative routes around the closed road segment if alternate one-way traffic flow cannot be maintained past the construction zone.		4.9-1. 13. Have detour signs been installed to direct traffic to alternative routes around the closed road segment if alternate one-way traffic flow cannot be maintained past the construction zone?	N/A	Work for this reporting period did not require road closures.
	• Limit lane closures during peak hours.		4.9-1. 14. Have lane closures been limited during peak hours?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	• Install detour signs to direct traffic to alternative routes around the closed road segment if alternate one-way traffic flow cannot be maintained past the construction zone.		4.9-1. 15. Have roads and streets been restored to normal operation by covering trenches with steel plates outside of normal work hours or when work is not in progress?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	• Comply with roadside safety protocols to reduce the risk of accidents. Provide “Road Work Ahead” warning signs and speed control (including signs informing drivers of state-legislated double fines for speed infractions in a construction zone) to achieve required speed reductions for safe traffic flow through the work zone. Train construction personnel to apply appropriate safety measures as described in the traffic control and safety assurance plan.		4.9-1. 16. Have roadside safety protocols been complied with to reduce the risk of accidents? Including to provide “Road Work Ahead” warning signs and speed control (including signs informing drivers of state-legislated double fines for speed infractions in a construction zone) to achieve required speed reductions for safe traffic flow through the work zone. Train construction personnel to apply appropriate safety measures as described in the traffic control and safety assurance plan.	Y	Periodic field confirmation of implementation as prescribed in TCP.

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
	• Maintain access for emergency vehicles at all times. Coordinate with facility owners or administrators of sensitive land uses such as police and fire stations, transit stations, hospitals, and schools. Provide advance notification to local police, fire, and emergency service providers of the timing, location, and duration of construction activities that could affect the movement of emergency vehicles on area roadways.		4.9-1. 17. Has access been maintained for emergency vehicles at all times?	Y	Periodic field confirmation of implementation as prescribed in TCP.
	Develop a school traffic and pedestrian safety plan to minimize adverse impacts associated with truck trips and lane closures (e.g., in the vicinity of the Marshall Elementary School east of the General Jim Moore Boulevard / Normandy Road intersection). • Avoid truck trips through designated school zones during the school drop-off and pickup hours to the extent feasible.		4.9-1. 18. If construction is the vicinity of a school, has truck trips through designated school zones during the school drop-off and pickup hours been avoided to the extent feasible?	Y	Seaside Middle School in vicinity of this week's work.
	• Provide flaggers in school areas at street crossings to manage traffic flow and maintain traffic safety during the school drop-off and pickup hours on days when pipeline installation would occur in designated school zones.		4.9-1. 19. If construction is the vicinity of a school, have flaggers been provided in school areas at street crossings to manage traffic flow and maintain traffic safety during the school drop-off and pickup hours on days when pipeline installation would occur in designated school zones?	Y	Seaside Middle School in vicinity of this week's work.
	• Coordinate with Monterey-Salinas Transit so the transit provider can temporarily relocate bus routes or bus stops in work zones as deemed necessary.		4.9-1. 20. If construction is the vicinity of a school, has Coordination with Monterey-Salinas Transit occurred so the transit provider can temporarily relocate bus routes or bus stops in work zones as deemed necessary?	Y	Seaside Middle School in vicinity of this week's work.
MM 4.10-1c	Construction Fugitive Dust Control Plan	On-going			Periodic field confirmation. Observer/Reporter is NB
	CalAm shall require its construction contractor(s) to implement a dust control plan that includes, at minimum, the following dust control measures: • Water all active construction areas at least three times daily;		4.10-1c 1. Have all active construction areas been watered at least three times daily?	Y	Periodic field confirmation of implementation as prescribed in Construction Fugitive Dust Control Plan.
	• Cover all trucks hauling soil, sand, and other loose materials and require trucks to maintain at least 2 feet of freeboard		4.10-1c 2. Have all trucks hauling soil, sand, and other loose materials been covered and maintain at least 2 feet of freeboard?	Y	Periodic field confirmation of implementation as prescribed in Construction Fugitive Dust Control Plan.
	• Apply water three times daily, or apply (non-toxic) soil stabilizers, on unpaved access roads, parking areas, and staging areas at construction sites;		4.10-1c 3. Has water or (non-toxic) soil stabilizers been applied three times daily on unpaved access roads, parking areas, and staging areas at construction sites?	Y	Periodic field confirmation of implementation as prescribed in Construction Fugitive Dust Control Plan.
	• Sweep daily (with water sweepers) all paved access roads, parking areas, and staging areas at construction sites; • Sweep streets daily (with water sweepers) if visible soil material is carried onto adjacent public streets;		4.10-1c 4. Has daily sweeping occurred (with water sweepers) on all paved access roads, parking areas, and staging areas at construction sites and if visible soil material is carried on adjacent streets?	Y	Periodic field confirmation of implementation as prescribed in Construction Fugitive Dust Control Plan.

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
	• Hydroseed or apply (non-toxic) soil stabilizers to inactive construction areas (previously graded areas inactive for 10 days or more);		4.10-1c 5. Has Hydroseed or (non-toxic) soil stabilizers been applied to inactive construction areas (previously graded areas inactive for 10 days or more)?	N/A	
	• Enclose, cover, or water twice daily exposed stockpiles (dirt, sand, etc.);		4.10-1c 6. Have stockpiles (dirt, sand, etc.) been enclosed, covered, or watered twice daily?	Y	Periodic field confirmation of implementation as prescribed in Construction Fugitive Dust Control Plan.
	• Limit traffic speeds on unpaved roads to 15 miles per hour;		4.10-1c 7. Have traffic speeds been limited to 15 miles per hour on unpaved roads?	N/A	
	• Install sandbags or other erosion control measures to prevent silt runoff to public roadways;		4.10-1c 8. Have sandbags or other erosion control measures been installed to prevent silt runoff to public roadways?	Y	Periodic field confirmation of implementation as prescribed in Construction Fugitive Dust Control Plan.
	• Replant native, drought-tolerant vegetation in disturbed areas as quickly as possible;		4.10-1c 9. Have native, drought-tolerant vegetation been replanted in disturbed areas as quickly as possible?	N/A	
	• Wheel washers shall be installed and used by truck operators at the exits of the construction sites to the MPWSP Desalination Plant, the slant wells, and the ASR well facilities; and		4.10-1c 10. Have wheel washers been installed and used by truck operators at the exits of the construction sites to the MPWSP Desalination Plant, the slant wells, and the ASR well facilities?	N/A	
	• Post a publicly visible sign that specifies the telephone number and person to contact regarding dust complaints. This person shall respond to complaints and take corrective action within 48 hours. The phone number of the Monterey Bay Unified Air Pollution Control District (MBUAPCD) shall also be visible to ensure compliance with MBUAPCD rules.		4.10-1c 11. Has a publicly visible sign been posted that specifies the telephone number and person to contact regarding dust complaints. This person shall respond to complaints and take corrective action within 48 hours. The phone number of the Monterey Bay Unified Air Pollution Control District (MBUAPCD) shall also be visible to ensure compliance with MBUAPCD rules.	Y	Periodic field confirmation of implementation.
MM 4.10-1e	Off-site Mitigation Program	N/A			
MM 4.11-1	GHG Emissions Reductions Plan	On-going			In progress with CalAm
MM 4.12-1a	Neighborhood Notice and Construction Disturbance Coordinator	Complete	Has a neighborhood construction and disturbance coordinator been identified?		This pre-construction action was taken by CalAm and Garney Construction. Coordinator is Julio (Aman) Gonzalez from California American Water and Brian Thompson from Garney Construction. Weekly construction meetings held with City of Seaside. No complaints for this reporting period.
MM 4.12-1b	General Noise Controls for Construction Equipment and Activities	Complete			Use of noise measuring equipment for monitoring is not required under Seaside ordinances. If reports of excessive noise are reported, they would be remedied.
MM 4.12-1d	Additional Noise Controls for ASR-5 and ASR-6 Wells	N/A			Applicable only to ASR site construction.

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)	
MM 4.12-1e	Offsite Accommodations for Substantially Affected Nighttime Receptors	N/A			No nighttime work under this approved NTPR-1.
MM 4.12-3	Vibration Reduction Measures	On-going	We're vibration reduction measures considered?		
MM 4.12-4	Nighttime Construction Restrictions in Marina	N/A			No work in Marina for this reporting period.
MM 4.12-5	Stationary-Source Noise Controls	On-going	Were local noise codes followed?	Y	Periodic observation. Noise measuring equipment for monitoring is not required under Seaside ordinances. Weekly calls held with City of Seaside. No noise complaints for this reporting period.
MM 4.13-1c	Safeguard Employees from Potential Accidents Related to Underground Utilities	On-going		Y	Periodic observation. Observer/Reporter is NB Note: USA Utility Tickets obtained July 1, 2019 with existing utilities field marked. No work near high priority utilities for this reporting period.
MM 4.13-1f	Ensure Prompt Reconnection of Utilities	N/A	The need for prompt reconnection of utilities was observed?		No impacts or reconnections were required during this reporting period.
MM 4.13-5a	Replacement of WEKO seal clamps, Periodic Inspections, and As-Needed Repairs for Offshore Segment of M1W Ocean Outfall	N/A			Applicable only to M1W Outfall Modification efforts.
MM 4.13-5b	Install Protective Lining in Land Segment of M1W Ocean Outfall	N/A			Applicable only to M1W Outfall Modification efforts.
MM 4.14-1	Maintain Clean and Orderly Construction Sites	On-going			
	As part of contract specifications, CalAm shall include a requirement that the construction contractor(s) keep staging and construction areas as clean and inconspicuous as practicable by storing construction materials and equipment at the proposed construction staging areas or in areas that are generally away from public view when not in use, and by removing construction debris promptly at regular intervals. If necessary, additional appropriate screening (e.g., temporary opaque fencing) shall be used at construction sites to buffer views of construction equipment and material, where the use of such screening materials would not further degrade the visual character or further obstruct views of scenic resources or vistas in the area. Screening is not required for pipeline construction areas.		4.14-1 1. Have staging and construction areas been kept clean and inconspicuous as practicable by storing construction materials and equipment at the proposed construction staging areas or in areas that are generally away from public view when not in use, and by removing construction debris promptly at regular intervals?	Y	
MM 4.14-2	Site-Specific Nighttime Lighting Measures	N/A		N/A	
MM 4.15-2a	Establish Archaeologically Sensitive Areas	Complete		N/A	
MM 4.15-2b	Inadvertent Discovery of Cultural Resources	Complete	Has an inadvertent discovery plan for cultural resources been prepared?	Y	

Mitigation Measure #	Mitigation Measure	Monitoring Summary Week Ending 9/27/2019			Notes
		Status	Compliance Question	Compliance Response [Yes (Y), No (N), or Not Applicable (N/A)]	
MM 4.15-4	Inadvertent Discovery of Human Remains	Complete	Has an inadvertent discovery plan for human remains been prepared?	Y	
MM 4.16-1	Minimize Disturbance to Farmland	N/A			No farmland present.

Attachment 1

DAILY LOG 9/27/2019

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	58639
Survey Date	09/23/2019
User	Patric Krabacher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	☐ AECOM ☒ DDA
Monitor Name	Patric Krabacher
Time In	09:57 AM
Time Out	05:24 PM

Weather

Start Temperature (F)	65
Start Cloud Cover (%)	50
Start Wind Speed (mph)	3
End Temperature (F)	65
End Cloud Cover (%)	0
End Wind Speed (mph)	3

Detailed Monitoring Activity

Construction Activities Monitored	☐ Backfilling ☐ BMP installation or maintenance ☐ Brushing or clearing ☐ Concrete pouring ☐ Conduit installation ☐ Demolition ☐ Excavation ☐ Fencing

	☐ Foundation installation ☐ Grading ☐ Jack-and-bore construction ☒ Other ☐ Paving ☐ Pole installation ☐ Pole top work ☐ Restoration ☐ Retaining wall installation ☐ Staging yard operations ☐ Structure removal ☐ Trenching ☐ Vault installation ☐ Vegetation maintenance
Other Construction Activity	Soil Deposition
Log of Monitoring Activities	Monitored soil deposition site during dumping and removing soil throughout the day

General Project Site Photo(s)

soil pile at soil deposition site facing south

Garney operator cleaning up entrance to soil deposition area facing southwest

soil being deposited from pipeline construction facing south

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?	[ ] N/A [ ] No [X] Yes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?	[ ] N/A [ ] No [X] Yes
4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	[ ] N/A [ ] No [X] Yes
4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	[X] N/A [ ] No [ ] Yes
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	[ ] N/A [ ] No [X] Yes
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	[ ] N/A [ ] No [X] Yes
4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	[ ] N/A [ ] No

	[X] Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	[ ] N/A [ ] No [X] Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	[X] N/A [ ] No [ ] Yes
4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	[X] N/A [ ] No [ ] Yes
4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	[ ] N/A [ ] No [X] Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	[X] N/A [ ] No [ ] Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	[ ] N/A [ ] No [X] Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	[ ] N/A [ ] No [X] Yes
4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	[ ] N/A [ ] No [X] Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	[ ] N/A [ ] No [X] Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	[ ] N/A [ ] No [X] Yes
4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	[ ] N/A

	[ ] No [X] Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	[ ] N/A [ ] No [X] Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS	
4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	[ ] N/A [ ] No [X] Yes
4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	[ ] N/A [ ] No [X] Yes
4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	[ ] N/A [ ] No [X] Yes
4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?	[ ] N/A [ ] No [X] Yes
4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?	[X] N/A [ ] No [ ] Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD	
4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	[X] N/A [ ] No [ ] Yes

4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1h - BURROWING OWL

4.6-1H. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL	
4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	[ ] N/A [ ] No [X] Yes
4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	[ ] N/A [ ] No [X] Yes
4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	[ ] N/A [ ] No [X] Yes
4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?	[ ] N/A [ ] No [X] Yes
4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	[ ] N/A [ ] No [X] Yes
4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1i - NESTING BIRDS

4.6-1I. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 1. For all construction activities scheduled during the nesting season (February 1 to September 15), a qualified biologist conducted a pre-construction avian nesting survey no more than 10 days prior to the start of staging, site clearing, and/or ground disturbance?	[X] N/A [ ] No [ ] Yes
4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	[X] N/A [ ] No [ ] Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	[X] N/A [ ] No [ ] Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes

MM 4.6-1j - BADGER

4.6-1J. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.	
4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	[ ] N/A [ ] No [X] Yes
4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	[ ] N/A [ ] No [X] Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1k - WOODRAT

4.6-1K. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT	

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	[ ] N/A [ ] No [X] Yes
4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	[ ] N/A [ ] No [X] Yes
4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	[ ] N/A [ ] No [X] Yes
4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?	[ ] N/A [ ] No [X] Yes
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1l - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS	
4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?	[ ] N/A [ ] No [X] Yes
4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occured when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	[X] N/A [ ] No [ ] Yes
4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?	[X] N/A [ ] No [ ] Yes
4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	[X] N/A [ ] No [ ] Yes

4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?	☐	N/A
	☐	No
	☒	Yes

MM 4.6-1o - CRLF & CTS

4.6-1O. AVOIDANCE AND MINIMIZATION MEASURES FOR CALIFORNIA RED-LEGGED FROG AND CALIFORNIA TIGER SALAMANDER

4.6-1o. 1. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?	☒	N/A
	☐	No
	☐	Yes
4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?	☒	N/A
	☐	No
	☐	Yes
4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?	☒	N/A
	☐	No
	☐	Yes
4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?	☒	N/A
	☐	No
	☐	Yes
4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?	☒	N/A
	☐	No
	☐	Yes
4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?	☒	N/A
	☐	No
	☐	Yes
4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?	☒	N/A
	☐	No
	☐	Yes

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS

4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	☐	N/A
	☐	No
	☒	Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	☐	N/A
	☐	No
	☒	Yes

4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	☐ N/A ☐ No ☒ Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	☐ N/A ☐ No ☒ Yes
4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	☐ N/A ☐ No ☒ Yes
4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	☐ N/A ☐ No ☒ Yes
4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	☐ N/A ☐ No ☒ Yes
4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	☐ N/A ☐ No ☒ Yes
4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	☐ N/A ☐ No ☒ Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES

4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	☐ N/A ☐ No ☒ Yes
4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	☒ N/A ☐ No ☐ Yes
4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?	☒ N/A ☐ No ☐ Yes
4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?	☒ N/A ☐ No ☐ Yes

Sensitive Species Observation

Sensitive species observed?

- [X] No
- [ ] Yes

Notes

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	58691
Survey Date	09/23/2019
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	☐ AECOM ☒ DDA
Monitor Name	Max Hofmarcher
Time In	06:30 AM
Time Out	06:30 PM

Weather

Start Temperature (F)	56
Start Cloud Cover (%)	0
Start Wind Speed (mph)	6
End Temperature (F)	72
End Cloud Cover (%)	50
End Wind Speed (mph)	7

Detailed Monitoring Activity

Construction Activities Monitored	☐ Backfilling ☐ BMP installation or maintenance ☐ Brushing or clearing ☐ Concrete pouring ☐ Conduit installation ☐ Demolition ☒ Excavation ☐ Fencing ☐ Foundation installation ☐ Grading ☐ Jack-and-bore construction ☐ Other

	☐ Paving ☐ Pole installation ☐ Pole top work ☐ Restoration ☐ Retaining wall installation ☒ Staging yard operations ☐ Structure removal ☒ Trenching ☐ Vault installation ☐ Vegetation maintenance
Log of Monitoring Activities	WEAT training for new employees

General Project Site Photo(s)

filling of trench, facing west

setting up trench vault, facing west

side view of vault, facing west

intact exclusionary flagging, alongside gen jom moore facing south

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	[X]	N/A
	[ ]	No
	[ ]	Yes

4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS

4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	[ ] N/A [ ] No [X] Yes
4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	[ ] N/A [ ] No [X] Yes
4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	[ ] N/A [ ] No [X] Yes
4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?	[ ] N/A [ ] No [X] Yes
4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?	[X] N/A [ ] No [ ] Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD

4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	[X] N/A [ ] No [ ] Yes
4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1h - BURROWING OWL

4.6-1H. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL

4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	[ ] N/A [ ] No [X] Yes
4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	[ ] N/A [ ] No [X] Yes
4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	[ ] N/A [ ] No [X] Yes
4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?	[ ] N/A [ ] No [X] Yes
4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	[ ] N/A [ ] No [X] Yes
4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1i - NESTING BIRDS

4.6-1I. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 1. For all construction activities scheduled during the nesting season (February 1 to September 15), a qualified biologist conducted a pre-construction avian nesting survey no more than 10 days prior to the start of staging, site clearing, and/or ground disturbance?	[X] N/A [ ] No [ ] Yes
4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	[X] N/A [ ] No [ ] Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	[X] N/A [ ] No [ ] Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	[X] N/A [ ] No [ ] Yes

4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes	

MM 4.6-1j - BADGER

4.6-1J. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.

4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	[ ] N/A [ ] No [X] Yes	
4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	[ ] N/A [ ] No [X] Yes	
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	[X] N/A [ ] No [ ] Yes	
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes	
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes	

MM 4.6-1k - WOODRAT

4.6-1K. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	[ ] N/A [ ] No [X] Yes	
4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	[ ] N/A [ ] No [X] Yes	
4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	[ ] N/A [ ] No [X] Yes	
4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?	[ ] N/A [ ] No [X] Yes	

4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	[X] N/A [ ] No [ ] Yes	
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes	
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes	

MM 4.6-1l - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS

4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?	[ ] N/A [ ] No [X] Yes	
4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occured when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	[X] N/A [ ] No [ ] Yes	
4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?	[X] N/A [ ] No [ ] Yes	
4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	[X] N/A [ ] No [ ] Yes	
4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes	

MM 4.6-1o - CRLF & CTS

4.6-1O. AVOIDANCE AND MINIMIZATION MEASURES FOR CALIFORNIA RED-LEGGED FROG AND CALIFORNIA TIGER SALAMANDER

4.6-1o. 1. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?	[X] N/A [ ] No [ ] Yes	
4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?	[X] N/A [ ] No [ ] Yes	

4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?	[X] N/A [ ] No [ ] Yes
4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?	[X] N/A [ ] No [ ] Yes
4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?	[X] N/A [ ] No [ ] Yes
4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?	[X] N/A [ ] No [ ] Yes
4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?	[X] N/A [ ] No [ ] Yes

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS	
4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	[ ] N/A [ ] No [X] Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	[ ] N/A [ ] No [X] Yes
4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	[ ] N/A [ ] No [X] Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	[ ] N/A [ ] No [X] Yes
4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	[ ] N/A [ ] No [X] Yes
4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	[ ] N/A [ ] No [X] Yes

4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES

4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?	[X]	N/A
	[ ]	No
	[ ]	Yes

Sensitive Species Observation

Sensitive species observed?	[X]	No
	[ ]	Yes

Notes

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	58749
Survey Date	09/23/2019
User	Matt Johnson

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	
Company Name	☐ AECOM ☒ DDA
Monitor Name	Matt Johnson
Time In	07:00 AM
Time Out	

Weather

Start Temperature (F)	57
Start Cloud Cover (%)	100
Start Wind Speed (mph)	0
End Temperature (F)	
End Cloud Cover (%)	
End Wind Speed (mph)	

Detailed Monitoring Activity

Construction Activities Monitored	☐ Backfilling ☐ BMP installation or maintenance ☐ Brushing or clearing ☐ Concrete pouring ☐ Conduit installation ☐ Demolition ☐ Excavation ☐ Fencing ☐ Foundation installation ☐ Grading ☐ Jack-and-bore construction ☐ Other

- [ ] Paving
- [ ] Pole installation
- [ ] Pole top work
- [ ] Restoration
- [ ] Retaining wall installation
- [ ] Staging yard operations
- [ ] Structure removal
- [ ] Trenching
- [ ] Vault installation
- [ ] Vegetation maintenance

Log of Monitoring Activities	Monitored spoils deposition site adjacent to Mescal. Conducted WEAP training for new crew members.

General Project Site Photo(s)

Unloading at spoils deposition site

Spoils deposition site adjacent to Mescal.

Spoils deposition site.

Dust control at soil deposition site.

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?	☐	N/A
	☐	No
	☒	Yes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?	☐	N/A
	☐	No
	☒	Yes
4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	☐	N/A
	☐	No
	☒	Yes
4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	☒	N/A
	☐	No
	☐	Yes
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	☐	N/A
	☐	No

	[X] Yes
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	[ ] N/A [ ] No [X] Yes
4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	[ ] N/A [ ] No [X] Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	[ ] N/A [ ] No [X] Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	[X] N/A [ ] No [ ] Yes
4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	[X] N/A [ ] No [ ] Yes
4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	[ ] N/A [ ] No [X] Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	[X] N/A [ ] No [ ] Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	[ ] N/A [ ] No [X] Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	[ ] N/A [ ] No [X] Yes
4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	[ ] N/A [ ] No [X] Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	[ ] N/A

	[ ]	No
	[X]	Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS		
4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?	[X]	N/A
	[ ]	No
	[ ]	Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD

4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-1h - BURROWING OWL

4.6-1H. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL

4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	[ ]	N/A
	[ ]	No
	[X]	Yes

4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-1i - NESTING BIRDS

4.6-1I. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 1. For all construction activities scheduled during the nesting season (February 1 to September 15), a qualified biologist conducted a pre-construction avian nesting survey no more than 10 days prior to the start of staging, site clearing, and/or ground disturbance?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-1j - BADGER

4.6-1J. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.

4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	[ ]	N/A
	[ ]	No
	[X]	Yes

4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	☐ N/A ☐ No ☒ Yes	

MM 4.6-1k - WOODRAT

4.6-1K. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	☐ N/A ☐ No ☒ Yes	
4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	☐ N/A ☐ No ☒ Yes	
4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	☐ N/A ☐ No ☒ Yes	
4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?	☐ N/A ☐ No ☒ Yes	
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	☒ N/A ☐ No ☐ Yes	
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	☐ N/A ☐ No ☒ Yes	
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	☐ N/A ☐ No ☒ Yes	

MM 4.6-1l - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS

4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?	☐ N/A ☐ No ☒ Yes	
4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occured when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	☒ N/A ☐ No ☐ Yes	

4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?	[X] N/A [ ] No [ ] Yes
4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	[X] N/A [ ] No [ ] Yes
4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes

MM 4.6-1o - CRLF & CTS

4.6-1O. AVOIDANCE AND MINIMIZATION MEASURES FOR CALIFORNIA RED-LEGGED FROG AND CALIFORNIA TIGER SALAMANDER

4.6-1o. 1. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?	[X] N/A [ ] No [ ] Yes
4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?	[X] N/A [ ] No [ ] Yes
4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?	[X] N/A [ ] No [ ] Yes
4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?	[X] N/A [ ] No [ ] Yes
4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?	[X] N/A [ ] No [ ] Yes
4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?	[X] N/A [ ] No [ ] Yes
4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?	[X] N/A [ ] No [ ] Yes

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS

4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	[ ] N/A [ ] No [X] Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	[ ] N/A [ ] No [X] Yes
4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	[ ] N/A [ ] No [X] Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	[ ] N/A [ ] No [X] Yes
4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	[ ] N/A [ ] No [X] Yes
4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	[ ] N/A [ ] No [X] Yes
4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	[ ] N/A [ ] No [X] Yes
4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	[ ] N/A [ ] No [X] Yes
4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	[ ] N/A [ ] No [X] Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES	
4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	[ ] N/A [ ] No [X] Yes
4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	[X] N/A [ ] No [ ] Yes

4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?	[X] N/A [ ] No [ ] Yes
4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?	[X] N/A [ ] No [ ] Yes

Sensitive Species Observation

Sensitive species observed?	[X] No [ ] Yes

Notes

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	58804
Survey Date	09/24/2019
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	[ ] AECOM [X] DDA
Monitor Name	Max Hofmarcher
Time In	06:30 AM
Time Out	05:30 PM

Weather

Start Temperature (F)	64
Start Cloud Cover (%)	5
Start Wind Speed (mph)	5
End Temperature (F)	78
End Cloud Cover (%)	0
End Wind Speed (mph)	5

Detailed Monitoring Activity

Construction Activities Monitored	[X] Backfilling [ ] BMP installation or maintenance [ ] Brushing or clearing [ ] Concrete pouring [ ] Conduit installation [ ] Demolition [X] Excavation [ ] Fencing [ ] Foundation installation [ ] Grading [ ] Jack-and-bore construction [ ] Other

- [ ] Paving
- [ ] Pole installation
- [ ] Pole top work
- [ ] Restoration
- [ ] Retaining wall installation
- [X] Staging yard operations
- [ ] Structure removal
- [X] Trenching
- [ ] Vault installation
- [ ] Vegetation maintenance

Log of Monitoring Activities

General Project Site Photo(s)

view of covered soil deposition truck, facing NW

ground compaction following pipeline installation, facing west

installing section of pipeline, facing west

view of intact exclusionary flagging, facing south

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?	☐ N/A ☐ No ☒ Yes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES	
4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?	☐ N/A ☐ No ☒ Yes
4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	☐ N/A ☐ No ☒ Yes
4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	☒ N/A ☐ No ☐ Yes
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	☐ N/A ☐ No ☒ Yes
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	☐ N/A ☐ No ☒ Yes
4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	☐ N/A ☐ No ☒ Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	☐ N/A ☐ No ☒ Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	☒ N/A ☐ No ☐ Yes
4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	☒ N/A ☐ No ☐ Yes
4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	☐ N/A ☐ No ☒ Yes

4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	[X] N/A [ ] No [ ] Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	[ ] N/A [ ] No [X] Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	[ ] N/A [ ] No [X] Yes
4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	[ ] N/A [ ] No [X] Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	[ ] N/A [ ] No [X] Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	[ ] N/A [ ] No [X] Yes
4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	[ ] N/A [ ] No [X] Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	[ ] N/A [ ] No [X] Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS

4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	[ ] N/A [ ] No [X] Yes
4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	[ ] N/A [ ] No [X] Yes
4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	[ ] N/A [ ] No [X] Yes
4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?	[ ] N/A [ ] No [X] Yes
4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?	[X] N/A [ ] No [ ] Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD

4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	[X] N/A [ ] No [ ] Yes
4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1h - BURROWING OWL

4.6-1H. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL

4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	[ ] N/A [ ] No

	[X]	Yes
4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-1i - NESTING BIRDS

4.6-1I. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS		
4.6-1i. 1. For all construction activities scheduled during the nesting season (February 1 to September 15), a qualified biologist conducted a pre-construction avian nesting survey no more than 10 days prior to the start of staging, site clearing, and/or ground disturbance?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	[ ]	N/A
	[ ]	No

	[X] Yes

MM 4.6-1j - BADGER

4.6-1J. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.

4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	[ ] N/A [ ] No [X] Yes
4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	[ ] N/A [ ] No [X] Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1k - WOODRAT

4.6-1K. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	[ ] N/A [ ] No [X] Yes
4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	[ ] N/A [ ] No [X] Yes
4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	[ ] N/A [ ] No [X] Yes
4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?	[ ] N/A [ ] No [X] Yes
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	[X] N/A [ ] No

	[ ] Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1l - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS

4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?	[ ] N/A [ ] No [X] Yes
4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occured when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	[X] N/A [ ] No [ ] Yes
4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?	[X] N/A [ ] No [ ] Yes
4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	[X] N/A [ ] No [ ] Yes
4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes

MM 4.6-1o - CRLF & CTS

4.6-1O. AVOIDANCE AND MINIMIZATION MEASURES FOR CALIFORNIA RED-LEGGED FROG AND CALIFORNIA TIGER SALAMANDER

4.6-1o. 1. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?	[X] N/A [ ] No [ ] Yes
4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?	[X] N/A [ ] No [ ] Yes
4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?	[X] N/A

	[ ] No [ ] Yes
4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?	[X] N/A [ ] No [ ] Yes
4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?	[X] N/A [ ] No [ ] Yes
4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?	[X] N/A [ ] No [ ] Yes
4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?	[X] N/A [ ] No [ ] Yes

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS	
4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	[ ] N/A [ ] No [X] Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	[ ] N/A [ ] No [X] Yes
4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	[ ] N/A [ ] No [X] Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	[ ] N/A [ ] No [X] Yes
4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	[ ] N/A [ ] No [X] Yes
4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	[ ] N/A [ ] No [X] Yes
4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work	[ ] N/A

areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	[ ] No [X] Yes
4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	[ ] N/A [ ] No [X] Yes
4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	[ ] N/A [ ] No [X] Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES

4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	[ ] N/A [ ] No [X] Yes
4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	[X] N/A [ ] No [ ] Yes
4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?	[X] N/A [ ] No [ ] Yes
4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?	[X] N/A [ ] No [ ] Yes

Sensitive Species Observation

Sensitive species observed?	[X] No [ ] Yes

Notes

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	58810
Survey Date	09/24/2019
User	Ben Pridonoff

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	[X] AECOM [ ] DDA
Monitor Name	Ben Pridonoff
Time In	07:00 AM
Time Out	05:36 PM

Weather

Start Temperature (F)	62
Start Cloud Cover (%)	5
Start Wind Speed (mph)	5
End Temperature (F)	74
End Cloud Cover (%)	0
End Wind Speed (mph)	8

Detailed Monitoring Activity

Construction Activities Monitored	[ ] Backfilling [ ] BMP installation or maintenance [ ] Brushing or clearing [ ] Concrete pouring [ ] Conduit installation [ ] Demolition [ ] Excavation [ ] Fencing [ ] Foundation installation [ ] Grading [ ] Jack-and-bore construction [X] Other

	☐ Paving ☐ Pole installation ☐ Pole top work ☐ Restoration ☐ Retaining wall installation ☐ Staging yard operations ☐ Structure removal ☐ Trenching ☐ Vault installation ☐ Vegetation maintenance
Other Construction Activity	Spoil stockpiling and loading/ unloading for pipeline installation and subsequent backfill
Log of Monitoring Activities	For duration of day (starting at approximately 0800 after orientation with Ray Romero), monitored operator (Robert) distribute/stockpile spoil being hauled in from pipeline installation site along General Jim Moore Blvd. Stockpiling occurs on ruderal lands next to natural dune vegetation adjacent to Mescal St. Monitored all movement of spoils, ensuring dirt was not placed on rare plants or outside demarcated area. Walked throughout site multiple times to ensure no special-status species were within the project footprint. Communicated with Robert about day's work and ensured the AMMs were being followed. No incidents of non-compliance were observed.
General Project Site Photo(s)	

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?	[ ] N/A [ ] No [X] Yes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?	[ ] N/A [ ] No [X] Yes
4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	[ ] N/A [ ] No [X] Yes
4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	[X] N/A [ ] No [ ] Yes
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	[ ] N/A [ ] No

	[X] Yes
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	[ ] N/A [ ] No [X] Yes
4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	[ ] N/A [ ] No [X] Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	[ ] N/A [ ] No [X] Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	[X] N/A [ ] No [ ] Yes
4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	[X] N/A [ ] No [ ] Yes
4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	[X] N/A [ ] No [ ] Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	[X] N/A [ ] No [ ] Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	[X] N/A [ ] No [ ] Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	[X] N/A [ ] No [ ] Yes
4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	[X] N/A [ ] No [ ] Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	[ ] N/A

	[ ] No [X] Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	[ ] N/A [ ] No [X] Yes
4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	[ ] N/A [ ] No [X] Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	[ ] N/A [ ] No [X] Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS	
4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	[ ] N/A [ ] No [X] Yes
4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	[ ] N/A [ ] No [X] Yes
4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	[ ] N/A [ ] No [X] Yes
4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?	[ ] N/A [ ] No [X] Yes
4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?	[X] N/A [ ] No [ ] Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD

4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	[X]	N/A
	[ ]	No
	[ ]	Yes

MM 4.6-1h - BURROWING OWL

4.6-1H. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL

4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	[X]	N/A
	[ ]	No
	[ ]	Yes

4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[X]	N/A
	[ ]	No
	[ ]	Yes

MM 4.6-1i - NESTING BIRDS

4.6-1I. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 1. For all construction activities scheduled during the nesting season (February 1 to September 15), a qualified biologist conducted a pre-construction avian nesting survey no more than 10 days prior to the start of staging, site clearing, and/or ground disturbance?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	[X]	N/A
	[ ]	No
	[ ]	Yes

MM 4.6-1j - BADGER

4.6-1J. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.

4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	[X]	N/A
	[ ]	No
	[ ]	Yes

4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	[X]	N/A
	[ ]	No
	[ ]	Yes

MM 4.6-1k - WOODRAT

4.6-1K. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[X]	N/A
	[ ]	No
	[ ]	Yes

MM 4.6-1l - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS

4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occured when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	[X]	N/A
	[ ]	No
	[ ]	Yes

4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?	[X] N/A [ ] No [ ] Yes	
4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	[X] N/A [ ] No [ ] Yes	
4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?	[X] N/A [ ] No [ ] Yes	

MM 4.6-1o - CRLF & CTS

4.6-1O. AVOIDANCE AND MINIMIZATION MEASURES FOR CALIFORNIA RED-LEGGED FROG AND CALIFORNIA TIGER SALAMANDER

4.6-1o. 1. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?	[X] N/A [ ] No [ ] Yes	
4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?	[X] N/A [ ] No [ ] Yes	
4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?	[X] N/A [ ] No [ ] Yes	
4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?	[X] N/A [ ] No [ ] Yes	
4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?	[X] N/A [ ] No [ ] Yes	
4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?	[X] N/A [ ] No [ ] Yes	
4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes	

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS

4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	[X]	N/A
	[ ]	No
	[ ]	Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES

4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	[X]	N/A
	[ ]	No
	[ ]	Yes

4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?	[X] N/A [ ] No [ ] Yes
4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?	[X] N/A [ ] No [ ] Yes

Sensitive Species Observation

Sensitive species observed?	[X] No [ ] Yes

Notes

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	58947
Survey Date	09/25/2019
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	[ ] AECOM [X] DDA
Monitor Name	Max Hofmarcher
Time In	07:00 AM
Time Out	06:30 PM

Weather

Start Temperature (F)	65
Start Cloud Cover (%)	5
Start Wind Speed (mph)	4
End Temperature (F)	78
End Cloud Cover (%)	0
End Wind Speed (mph)	5

Detailed Monitoring Activity

Construction Activities Monitored	[X] Backfilling [ ] BMP installation or maintenance [ ] Brushing or clearing [ ] Concrete pouring [ ] Conduit installation [ ] Demolition [X] Excavation [ ] Fencing [ ] Foundation installation [ ] Grading [ ] Jack-and-bore construction [ ] Other

- [X] Paving
- [ ] Pole installation
- [ ] Pole top work
- [ ] Restoration
- [ ] Retaining wall installation
- [X] Staging yard operations
- [ ] Structure removal
- [X] Trenching
- [ ] Vault installation
- [ ] Vegetation maintenance

Log of Monitoring Activities

General Project Site Photo(s)

compaction of cold mix over pipeline alignment, facing west

daily soil storage on site, facing NW

compaction of pipeline alignment, facing NW

water truck on site for dust control, facing west

intact exclusionary flagging on site, facing south

street cleaning/dust control, facing North

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?	[ ] N/A [ ] No [X] Yes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?	[ ] N/A [ ] No [X] Yes
4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	[ ] N/A [ ] No [X] Yes
4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	[X] N/A [ ] No [ ] Yes
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	[ ] N/A [ ] No [X] Yes
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	[ ] N/A [ ] No [X] Yes
4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	[ ] N/A [ ] No

	[X] Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	[ ] N/A [ ] No [X] Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	[X] N/A [ ] No [ ] Yes
4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	[X] N/A [ ] No [ ] Yes
4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	[ ] N/A [ ] No [X] Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	[X] N/A [ ] No [ ] Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	[ ] N/A [ ] No [X] Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	[ ] N/A [ ] No [X] Yes
4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	[ ] N/A [ ] No [X] Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	[ ] N/A [ ] No [X] Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	[ ] N/A [ ] No [X] Yes
4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	[ ] N/A

	[ ] No [X] Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	[ ] N/A [ ] No [X] Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS	
4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	[ ] N/A [ ] No [X] Yes
4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	[ ] N/A [ ] No [X] Yes
4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	[ ] N/A [ ] No [X] Yes
4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?	[ ] N/A [ ] No [X] Yes
4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?	[X] N/A [ ] No [ ] Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD	
4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	[X] N/A [ ] No [ ] Yes

4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1h - BURROWING OWL

4.6-1H. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL	
4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	[ ] N/A [ ] No [X] Yes
4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	[ ] N/A [ ] No [X] Yes
4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	[ ] N/A [ ] No [X] Yes
4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?	[ ] N/A [ ] No [X] Yes
4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	[ ] N/A [ ] No [X] Yes
4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1i - NESTING BIRDS

4.6-1I. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 1. For all construction activities scheduled during the nesting season (February 1 to September 15), a qualified biologist conducted a pre-construction avian nesting survey no more than 10 days prior to the start of staging, site clearing, and/or ground disturbance?	[X] N/A [ ] No [ ] Yes
4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	[X] N/A [ ] No [ ] Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	[X] N/A [ ] No [ ] Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes

MM 4.6-1j - BADGER

4.6-1J. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.	
4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	[ ] N/A [ ] No [X] Yes
4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	[ ] N/A [ ] No [X] Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1k - WOODRAT

4.6-1K. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	☐ N/A ☐ No ☒ Yes
4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	☐ N/A ☐ No ☒ Yes
4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	☐ N/A ☐ No ☒ Yes
4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?	☐ N/A ☐ No ☒ Yes
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	☒ N/A ☐ No ☐ Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	☐ N/A ☐ No ☒ Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	☐ N/A ☐ No ☒ Yes

MM 4.6-1l - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS	
4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?	☐ N/A ☐ No ☒ Yes
4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occured when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	☒ N/A ☐ No ☐ Yes
4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?	☒ N/A ☐ No ☐ Yes
4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	☒ N/A ☐ No ☐ Yes

4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-1o - CRLF & CTS

4.6-1O. AVOIDANCE AND MINIMIZATION MEASURES FOR CALIFORNIA RED-LEGGED FROG AND CALIFORNIA TIGER SALAMANDER

4.6-1o. 1. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?	[X]	N/A
	[ ]	No
	[ ]	Yes

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS

4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	[ ]	N/A
	[ ]	No
	[X]	Yes

4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	[ ] N/A [ ] No [X] Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	[ ] N/A [ ] No [X] Yes
4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	[ ] N/A [ ] No [X] Yes
4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	[ ] N/A [ ] No [X] Yes
4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	[ ] N/A [ ] No [X] Yes
4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	[ ] N/A [ ] No [X] Yes
4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	[ ] N/A [ ] No [X] Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES

4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	[ ] N/A [ ] No [X] Yes
4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	[X] N/A [ ] No [ ] Yes
4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?	[X] N/A [ ] No [ ] Yes
4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?	[X] N/A [ ] No [ ] Yes

Sensitive Species Observation

Sensitive species observed?

- [X] No
- [ ] Yes

Notes

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	58993
Survey Date	09/26/2019
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	☐ AECOM ☒ DDA
Monitor Name	Max Hofmarcher
Time In	06:30 AM
Time Out	05:30 PM

Weather

Start Temperature (F)	65
Start Cloud Cover (%)	0
Start Wind Speed (mph)	4
End Temperature (F)	67
End Cloud Cover (%)	0
End Wind Speed (mph)	4

Detailed Monitoring Activity

Construction Activities Monitored	☒ Backfilling ☐ BMP installation or maintenance ☐ Brushing or clearing ☐ Concrete pouring ☐ Conduit installation ☐ Demolition ☒ Excavation ☐ Fencing ☐ Foundation installation ☐ Grading ☐ Jack-and-bore construction ☐ Other

- [X] Paving
- [ ] Pole installation
- [ ] Pole top work
- [ ] Restoration
- [ ] Retaining wall installation
- [X] Staging yard operations
- [ ] Structure removal
- [X] Trenching
- [ ] Vault installation
- [ ] Vegetation maintenance

Log of Monitoring Activities

trench excavation
pipeline installation

General Project Site Photo(s)

intact exclusionary flagging, facing south

silt protection around storm drain, facing south

soil stockpile on alignment, facing west

paving over trench line, facing West

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?	☐ N/A ☐ No ☒ Yes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?	☐ N/A ☐ No ☒ Yes
4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	☐ N/A ☐ No ☒ Yes
4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	☒ N/A ☐ No ☐ Yes
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	☐ N/A ☐ No ☒ Yes
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	☐ N/A ☐ No ☒ Yes
4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	☐ N/A ☐ No ☒ Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	☐ N/A ☐ No ☒ Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	☒ N/A ☐ No ☐ Yes
4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	☒ N/A ☐ No ☐ Yes

4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS

4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	☐ N/A ☐ No ☒ Yes
4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	☐ N/A ☐ No ☒ Yes
4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	☐ N/A ☐ No ☒ Yes
4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?	☐ N/A ☐ No ☒ Yes
4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?	☒ N/A ☐ No ☐ Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD

4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	☒ N/A ☐ No ☐ Yes
4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	☒ N/A ☐ No ☐ Yes
4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	☐ N/A ☐ No ☒ Yes
4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	☐ N/A ☐ No ☒ Yes

MM 4.6-1h - BURROWING OWL

4.6-1H. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL

4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	[ ] N/A [ ] No [X] Yes
4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	[ ] N/A [ ] No [X] Yes
4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	[ ] N/A [ ] No [X] Yes
4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?	[ ] N/A [ ] No [X] Yes
4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	[ ] N/A [ ] No [X] Yes
4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1i - NESTING BIRDS

4.6-1I. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 1. For all construction activities scheduled during the nesting season (February 1 to September 15), a qualified biologist conducted a pre-construction avian nesting survey no more than 10 days prior to the start of staging, site clearing, and/or ground disturbance?	[X] N/A [ ] No [ ] Yes
4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	[X] N/A [ ] No [ ] Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	[X] N/A [ ] No [ ] Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	[X] N/A [ ] No [ ] Yes

4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-1j - BADGER

4.6-1J. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.

4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-1k - WOODRAT

4.6-1K. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?	[ ]	N/A
	[ ]	No
	[X]	Yes

4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1l - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS

4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?	[ ] N/A [ ] No [X] Yes
4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occured when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	[X] N/A [ ] No [ ] Yes
4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?	[X] N/A [ ] No [ ] Yes
4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	[X] N/A [ ] No [ ] Yes
4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes

MM 4.6-1o - CRLF & CTS

4.6-1O. AVOIDANCE AND MINIMIZATION MEASURES FOR CALIFORNIA RED-LEGGED FROG AND CALIFORNIA TIGER SALAMANDER

4.6-1o. 1. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?	[X] N/A [ ] No [ ] Yes
4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?	[X] N/A [ ] No [ ] Yes

4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?	[X]	N/A
	[ ]	No
	[ ]	Yes

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS		
4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	[ ]	N/A
	[ ]	No
	[X]	Yes

4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES

4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?	[X]	N/A
	[ ]	No
	[ ]	Yes

Sensitive Species Observation

Sensitive species observed?	[X]	No
	[ ]	Yes

Notes

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	59141
Survey Date	09/27/2019
User	Ray Romero

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	[X] AECOM [ ] DDA
Monitor Name	Ray Romero
Time In	06:55 AM
Time Out	05:31 PM

Weather

Start Temperature (F)	61
Start Cloud Cover (%)	100
Start Wind Speed (mph)	0
End Temperature (F)	68
End Cloud Cover (%)	100
End Wind Speed (mph)	0

Detailed Monitoring Activity

Construction Activities Monitored	[X] Backfilling [ ] BMP installation or maintenance [ ] Brushing or clearing [ ] Concrete pouring [ ] Conduit installation [ ] Demolition [X] Excavation [ ] Fencing [ ] Foundation installation [ ] Grading [ ] Jack-and-bore construction [ ] Other

- [ ] Paving
- [ ] Pole installation
- [ ] Pole top work
- [ ] Restoration
- [ ] Retaining wall installation
- [ ] Staging yard operations
- [ ] Structure removal
- [ ] Trenching
- [ ] Vault installation
- [ ] Vegetation maintenance

Log of Monitoring Activities	Monitor Garney Const. installing 36 inch waterline main within General Jim Moore Road just south of Coe Rd.

General Project Site Photo(s)

Looking west at Garney fueling equip within road median away from habitat and storm drains

Looking west at Garney excavating trench for waterline main within General Jim Moore Rd.

Looking west at backhoe picking up spoil to backfill trench. Sweeper used to clean road.

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?	☐ N/A ☐ No ☒ Yes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?	☐ N/A ☐ No ☒ Yes
4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	☐ N/A ☐ No ☒ Yes
4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	☒ N/A ☐ No ☐ Yes
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	☐ N/A ☐ No ☒ Yes
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	☐ N/A ☐ No ☒ Yes
4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	☐ N/A ☐ No

	[X] Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	[ ] N/A [ ] No [X] Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	[X] N/A [ ] No [ ] Yes
4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	[X] N/A [ ] No [ ] Yes
4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	[ ] N/A [ ] No [X] Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	[X] N/A [ ] No [ ] Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	[ ] N/A [ ] No [X] Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	[ ] N/A [ ] No [X] Yes
4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	[ ] N/A [ ] No [X] Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	[ ] N/A [ ] No [X] Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	[ ] N/A [ ] No [X] Yes
4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	[ ] N/A

	[ ] No [X] Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	[ ] N/A [ ] No [X] Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS	
4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	[ ] N/A [ ] No [X] Yes
4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	[ ] N/A [ ] No [X] Yes
4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	[ ] N/A [ ] No [X] Yes
4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was complied by implementing requirements from USFWS and CDFW consultation?	[ ] N/A [ ] No [X] Yes
4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?	[X] N/A [ ] No [ ] Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD	
4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	[X] N/A [ ] No [ ] Yes

4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	[X] N/A [ ] No [ ] Yes

MM 4.6-1h - BURROWING OWL

4.6-1H. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL	
4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	[ ] N/A [ ] No [X] Yes
4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	[X] N/A [ ] No [ ] Yes
4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	[X] N/A [ ] No [ ] Yes
4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?	[X] N/A [ ] No [ ] Yes
4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	[ ] N/A [ ] No [X] Yes
4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	[X] N/A [ ] No [ ] Yes
4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[X] N/A [ ] No [ ] Yes

MM 4.6-1i - NESTING BIRDS

4.6-1I. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 1. For all construction activities scheduled during the nesting season (February 1 to September 15), a qualified biologist conducted a pre-construction avian nesting survey no more than 10 days prior to the start of staging, site clearing, and/or ground disturbance?	[X] N/A [ ] No [ ] Yes
4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	[X] N/A [ ] No [ ] Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	[X] N/A [ ] No [ ] Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	[X] N/A [ ] No [ ] Yes

MM 4.6-1j - BADGER

4.6-1J. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.	
4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	[ ] N/A [ ] No [X] Yes
4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	[ ] N/A [ ] No [X] Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	[X] N/A [ ] No [ ] Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	[X] N/A [ ] No [ ] Yes

MM 4.6-1k - WOODRAT

4.6-1K. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	[ ] N/A [ ] No [X] Yes
4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	[X] N/A [ ] No [ ] Yes
4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	[X] N/A [ ] No [ ] Yes
4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?	[X] N/A [ ] No [ ] Yes
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	[X] N/A [ ] No [ ] Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[X] N/A [ ] No [ ] Yes

MM 4.6-1l - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS	
4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?	[ ] N/A [ ] No [X] Yes
4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occured when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	[X] N/A [ ] No [ ] Yes
4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?	[X] N/A [ ] No [ ] Yes
4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	[X] N/A [ ] No [ ] Yes

4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?	[X]	N/A
	[ ]	No
	[ ]	Yes

MM 4.6-1o - CRLF & CTS

4.6-1O. AVOIDANCE AND MINIMIZATION MEASURES FOR CALIFORNIA RED-LEGGED FROG AND CALIFORNIA TIGER SALAMANDER

4.6-1o. 1. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?	[X]	N/A
	[ ]	No
	[ ]	Yes

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS

4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	[ ]	N/A
	[ ]	No
	[X]	Yes

4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	[ ] N/A [ ] No [X] Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	[ ] N/A [ ] No [X] Yes
4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	[ ] N/A [ ] No [X] Yes
4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	[ ] N/A [ ] No [X] Yes
4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	[ ] N/A [ ] No [X] Yes
4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	[ ] N/A [ ] No [X] Yes
4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	[X] N/A [ ] No [ ] Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES

4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	[ ] N/A [ ] No [X] Yes
4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	[X] N/A [ ] No [ ] Yes
4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?	[X] N/A [ ] No [ ] Yes
4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?	[X] N/A [ ] No [ ] Yes

Sensitive Species Observation

Sensitive species observed?

- [X] No
- [ ] Yes

Notes

Seaside Bio Compliance Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	59200
Survey Date	09/27/2019
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	[ ] AECOM [X] DDA
Monitor Name	Max Hofmarcher
Time In	09:00 AM
Time Out	06:00 PM

Weather

Start Temperature (F)	67
Start Cloud Cover (%)	100
Start Wind Speed (mph)	7
End Temperature (F)	61
End Cloud Cover (%)	100
End Wind Speed (mph)	9

Detailed Monitoring Activity

Construction Activities Monitored	[X] Backfilling [ ] BMP installation or maintenance [ ] Brushing or clearing [ ] Concrete pouring [ ] Conduit installation [ ] Demolition [X] Excavation [ ] Fencing [ ] Foundation installation [ ] Grading [ ] Jack-and-bore construction [ ] Other

- [X] Paving
- [ ] Pole installation
- [ ] Pole top work
- [ ] Restoration
- [ ] Retaining wall installation
- [ ] Staging yard operations
- [ ] Structure removal
- [X] Trenching
- [ ] Vault installation
- [ ] Vegetation maintenance

Log of Monitoring Activities

General Project Site Photo(s)

ground compaction and dust mitigation, facimg west

ongoing dust mitigation, facing SW

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?

- [ ] N/A
- [ ] No
- [X] Yes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?

- [ ] N/A
- [ ] No
- [X] Yes

4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?

- [ ] N/A
- [ ] No

	[X] Yes
4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	[X] N/A [ ] No [ ] Yes
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	[ ] N/A [ ] No [X] Yes
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	[ ] N/A [ ] No [X] Yes
4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	[ ] N/A [ ] No [X] Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	[ ] N/A [ ] No [X] Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	[X] N/A [ ] No [ ] Yes
4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	[X] N/A [ ] No [ ] Yes
4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	[ ] N/A [ ] No [X] Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	[X] N/A [ ] No [ ] Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	[ ] N/A [ ] No [X] Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	[ ] N/A [ ] No [X] Yes
4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	[ ] N/A

	[ ] No [X] Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	[ ] N/A [ ] No [X] Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	[ ] N/A [ ] No [X] Yes
4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	[ ] N/A [ ] No [X] Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	[ ] N/A [ ] No [X] Yes
4.6-1c. 21. All temporarily disturbed areas were returned to pre-project conditions or better?	[ ] N/A [ ] No [X] Yes

MM 4.6-1e - SPECIAL STATUS PLANTS

4.6-1E. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS PLANTS	
4.6-1e. 1. Pre-construction botanical survey(s) for special-status plants were performed in all potentially suitable habitat during the appropriate blooming period for each species?	[ ] N/A [ ] No [X] Yes
4.6-1e. 2. To the extent feasible, project facilities were sited to avoid permanent and temporary impacts on special-status plants and their required constituent habitat elements?	[ ] N/A [ ] No [X] Yes
4.6-1e. 3. Special-status plants located within temporary construction areas were fenced or flagged for avoidance (if feasible) prior to construction?	[ ] N/A [ ] No [X] Yes
4.6-1e. 4. For potential impacts on listed plant species, such as Menzies' wallflower, sand gilia, Monterey spineflower, and Yadon's rein orchid, FESA and CESA was	[ ] N/A

complied by implementing requirements from USFWS and CDFW consultation?	[ ] No [X] Yes
4.6-1e. 5. For HMP plant species on former Fort Ord lands, were plants salvaged, under the direction of a qualified biologist, as necessary, per the requirements of the HMP, and in accordance with any requirements from USFWS and CDFW?	[X] N/A [ ] No [ ] Yes

MM 4.6-1g - LIZARDS

4.6-1G. AVOIDANCE AND MINIMIZATION MEASURES FOR BLACK LEGLESS LIZARD, SILVERY LEGLESS LIZARD, AND COAST HORNED LIZARD

4.6-1g. 1. Qualified biologist(s) possessing a Scientific Collecting Permit issued by CDFW for black legless lizard, silvery legless lizard, and coast horned lizard conducted pre-construction surveys for legless lizards and coast horned lizards within 24 hours prior to the initiation of ground disturbing activities or vegetation clearing in suitable habitats such as central dune scrub, coast sage scrub, and central maritime chaparral?	[X] N/A [ ] No [ ] Yes
4.6-1g. 2. Clearance surveys were performed prior to work activities, special-status lizards absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1g. 3. If special-status lizards were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1g. 4. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1h - BURROWING OWL

4.6-1H. AVOIDANCE AND MINIMIZATION MEASURES FOR WESTERN BURROWING OWL

4.6-1h. 1. Qualified biologist conducted pre-construction surveys of the permanent and temporary impact areas in or around suitable burrowing owl habitat to locate active breeding or wintering burrowing owl burrows less than 14 days prior to construction and/or prior to exclusion fencing installation?	[ ] N/A [ ] No [X] Yes
4.6-1h. 2. In areas positive for burrowing owl presence, a qualified biological monitor was onsite during all construction activities in areas where burrowing owls were determined to be present?	[ ] N/A [ ] No [X] Yes
4.6-1h. 3. If burrowing owls are detected during the nesting and fledging seasons (April 1 to August 15 and August 16 to October 15, respectively), no ground-disturbing activities were permitted within the specified distances from an active burrow, unless otherwise authorized by CDFW?	[ ] N/A [ ] No [X] Yes
4.6-1h. 4. During the non-breeding (winter) season (October 16 to March 31), ground-disturbing work maintained a distance ranging from 164 to 1,640 feet from any active burrows, depending on the level of disturbance, to be determined through coordination with CDFW?	[ ] N/A [ ] No [X] Yes

4.6-1h. 5. Clearance surveys were performed prior to work activities each day, burrowing owls absent and impacts avoided?	[ ] N/A [ ] No [X] Yes
4.6-1h. 6. If burrowing owls were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1h. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1i - NESTING BIRDS

4.6-1I. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 1. For all construction activities scheduled during the nesting season (February 1 to September 15), a qualified biologist conducted a pre-construction avian nesting survey no more than 10 days prior to the start of staging, site clearing, and/or ground disturbance?	[X] N/A [ ] No [ ] Yes
4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	[X] N/A [ ] No [ ] Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	[X] N/A [ ] No [ ] Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities, nesting birds absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes

MM 4.6-1j - BADGER

4.6-1J. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.

4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	[ ] N/A [ ] No [X] Yes
4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	[ ] N/A [ ] No [X] Yes

4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1k - WOODRAT

4.6-1K. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT	
4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	[ ] N/A [ ] No [X] Yes
4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	[ ] N/A [ ] No [X] Yes
4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	[ ] N/A [ ] No [X] Yes
4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?	[ ] N/A [ ] No [X] Yes
4.6-1k. 5. Clearance survey performed prior to work activities, woodrat absent and impacts avoided?	[X] N/A [ ] No [ ] Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	[ ] N/A [ ] No [X] Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	[ ] N/A [ ] No [X] Yes

MM 4.6-1l - BATS

4.6-1L. AVOIDANCE AND MINIMIZATION MEASURES FOR SPECIAL-STATUS BATS

4.6-1l. 1. Qualified biologist experienced with bat surveying, behavior, roosting habitat, and identification conducted a preconstruction habitat assessment to characterize potential bat habitat and identify active roost sites within 100 feet of construction activities?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.6-1l. 2. Removal or disturbance of trees or structures identified as potential bat roosting habitat or active roosts occured when bats were active, approximately between the periods of March 1 to April 15 and August 15 to October 15, to the extent feasible?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1l. 3. If removal or disturbance of trees and structures identified as potential bat roosting habitat or active roosts during the periods when bats are active is not feasible, a qualified biologist conducted pre-construction surveys within 14 days prior to disturbance to further evaluate bat activity within the potential habitat or roost site?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1l. 4. Qualified biologist was present during tree and structure disturbance or removal if active non-maternity or hibernation bat roosts or potential roosting habitat are present?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1l. 5. If special-status bat species were observed, was date, time, species, location, and behavior noted?	[ ]	N/A
	[ ]	No
	[X]	Yes

MM 4.6-1o - CRLF & CTS

4.6-1O. AVOIDANCE AND MINIMIZATION MEASURES FOR CALIFORNIA RED-LEGGED FROG AND CALIFORNIA TIGER SALAMANDER		
4.6-1o. 1. Preconstruction surveys were conducted within 5 days prior to, and immediately prior to, vegetation removal, grading, or installation of exclusion fence to identify any California red-legged frog, California tiger salamander, and any small mammal burrows?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 2. Small mammal burrows identified during preconstruction surveys were surveyed (through hand-excavation, scoping, or other suitable methods to be determined in consultation with USFWS and CDFW) to identify any California red-legged frog or California tiger salamander?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 3. Once the burrow was confirmed vacant, was the burrow collapsed?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 4. If California red-legged frog or California tiger salamander were observed within the construction area, a qualified biologist relocated the individual according to the relocation plan and only with authorization from USFWS and CDFW, as appropriate?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 5. Exclusion fencing was installed around construction areas where there was a moderate to high potential for these species to occur and only with authorization from USFWS and CDFW?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.6-1o. 6. Qualified biologist monitored vegetation removal and grading inside the exclusion fence?	[X]	N/A
	[ ]	No

	☐ Yes
4.6-1o. 7. Clearance survey performed prior to work activities, California red-legged frog and California tiger salamander absent and impacts avoided? If these species were observed, was date, time, species, location, and behavior noted?	☒ N/A ☐ No ☐ Yes

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS	
4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	☐ N/A ☐ No ☒ Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	☐ N/A ☐ No ☒ Yes
4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	☐ N/A ☐ No ☒ Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	☐ N/A ☐ No ☒ Yes
4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	☐ N/A ☐ No ☒ Yes
4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	☐ N/A ☐ No ☒ Yes
4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	☐ N/A ☐ No ☒ Yes
4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	☐ N/A ☐ No ☒ Yes
4.6-1p. 9. Within U.S. Army-owned land, control measures for invasive species conformed to guidelines in the Integrated Natural Resource Management Plan (INRMP) Presidio of Monterey and Ord Military Community (e.g., Section 9.2.4, Undesirable Plant Pests)?	☐ N/A ☐ No ☒ Yes

MM 4.6-4 - TREE ORDINANCES

4.6-4. COMPLIANCE WITH LOCAL TREE ORDINANCES

4.6-4. 1. Was a comprehensive survey within the project footprint performed to identify, measure, and map trees subject to local tree removal ordinances at least 30 days prior to start of planned ground disturbance or tree removal?	☐ N/A ☐ No ☒ Yes
4.6-4. 2. Were trees subject to local tree removal ordinances avoided to the extent practicable?	☒ N/A ☐ No ☐ Yes
4.6-4. 3. If tree removal cannot be avoided, were all applicable local tree policies or ordinances followed, appropriate tree removal permits obtained from applicable local agencies, and compliance with those permits maintained?	☒ N/A ☐ No ☐ Yes
4.6-4. 4. Was tree removal, preservation, or mitigation on Army property performed in accordance with the Integrated Natural Resource Management Plan Presidio of Monterey and Ord Military Community (November, 2008)?	☒ N/A ☐ No ☐ Yes

Sensitive Species Observation

Sensitive species observed?	☒ No ☐ Yes

Notes

Seaside Non Bio Construction Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	59093
Survey Date	09/24/2019
User	Nivedha Baskarapandian

General Information

Project Name	CAlAm Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	[X] AECOM [ ] DDA
Monitor Name	Nivedha Baskarapandian
Time In	07:00 AM
Time Out	05:30 PM

Weather

Start Temperature (F)	
Start Cloud Cover (%)	
Start Wind Speed (mph)	
End Temperature (F)	
End Cloud Cover (%)	
End Wind Speed (mph)	

Detailed Monitoring Activity

Construction Activities Monitored	[X] Backfilling [X] BMP installation or maintenance [X] Brushing or clearing [ ] Concrete pouring [X] Conduit installation [ ] Demolition [X] Excavation [ ] Fencing [ ] Foundation installation

	☐ Grading ☐ Jack-and-bore construction ☐ Other ☐ Paving ☐ Pole installation ☐ Pole top work ☐ Restoration ☐ Retaining wall installation ☒ Staging yard operations ☐ Structure removal ☒ Trenching ☐ Vault installation ☐ Vegetation maintenance
Log of Monitoring Activities	All activities were compliant.
General Project Site Photo(s)	None

General Traffic MM 4.9-1

MM 4.9-1 TRAFFIC CONTROL AND SAFETY ASSURANCE PLAN	
4.9-1. 1. Have circulation and detour plans have been developed to minimize impacts on local streets?	☐ N/A ☐ No ☒ Yes
4.9-1. 2. Have periodic onsite inspections occurred to control and monitor construction vehicle movements by enforcing standard construction specifications?	☐ N/A ☐ No ☒ Yes
4.9-1. 3. Has traffic control devices been installed where traffic conditions warrant, as specified in the applicable jurisdiction's standards (e.g., the California Manual of Uniform Traffic Controls for Construction and Maintenance Work Zones)?	☐ N/A ☐ No ☒ Yes
4.9-1. 4. Have truck trips been scheduled outside of peak morning and evening commute hours to minimize adverse impacts on traffic flow (i.e., if agencies with jurisdiction over the affected roads identify highly congested roadway segments during their review of the encroachment permit applications)?	☐ N/A ☐ No ☒ Yes
4.9-1. 5. Have detour signs been posted along affected roadways to notify motorists of alternative routes?	☒ N/A ☐ No ☐ Yes
4.9-1. 6. Has construction work been performed that crosses on-street and off-street bikeways, sidewalks, and other walkways in a manner that allows for safe access for bicyclists and pedestrians. Alternatively, provide safe detours to reroute affected bicycle/pedestrian traffic?	☐ N/A ☐ No

	[X]	Yes
4.9-1. 7. Has signage been posted at least two weeks prior to construction along all potentially affected recreational trails and coastal access point; Class I, II, and II bicycle routes; and pedestrian pathways, including the Monterey Peninsula Recreational Trail, to warn bicyclists and pedestrians of construction activities?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.9-1. 8. Has CalAm and its contractors scheduled construction activities to minimize impacts during heavy recreational use periods (e.g., weekends and holidays)?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.9-1. 9. Has a public information program been implemented to notify motorists, bicyclists, nearby residents, and adjacent businesses of the impending construction activities (e.g., media coverage, email notices, websites, etc.)?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.9-1. 10. Have non-jurisdictional parties (e.g., CEMEX), been consulted as appropriate, regarding strategies for reducing increased traffic on roads that would provide access to construction work areas?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.9-1. 11. Have all equipment and materials been stored in designated contractor staging areas?	[ ]	N/A
	[X]	No
	[ ]	Yes
4.9-1. 12. Has one-way traffic flow been maintained past the construction zone where possible?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.9-1. 13. Have detour signs been installed to direct traffic to alternative routes around the closed road segment if alternate one-way traffic flow cannot be maintained past the construction zone?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.9-1. 14. Have lane closures been limited during peak hours?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.9-1. 15. Have roads and streets been restored to normal operation by covering trenches with steel plates outside of normal work hours or when work is not in progress?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.9-1. 16. Have roadside safety protocols been complied with to reduce the risk of accidents? Including to provide “Road Work Ahead” warning signs and speed control (including signs informing drivers of state-legislated double fines for speed infractions in a construction zone) to achieve required speed reductions for safe traffic flow through the work zone. Train construction personnel to apply appropriate safety measures as described in the traffic control and safety assurance plan.	[ ]	N/A
	[ ]	No
	[X]	Yes
4.9-1. 17. Has access been maintained for emergency vehicles at all times?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.9-1. 18. If construction is the vicinity of a school, has truck trips through designated school zones during the school drop-off and pickup hours been avoided to the extent	[ ]	N/A

feasible?	[ ] No [X] Yes
4.9-1. 19. If construction is the vicinity of a school, have flaggers been provided in school areas at street crossings to manage traffic flow and maintain traffic safety during the school drop-off and pickup hours on days when pipeline installation would occur in designated school zones?	[X] N/A [ ] No [ ] Yes
4.9-1. 20. If construction is the vicinity of a school, has Coordination with Monterey-Salinas Transit occurred so the transit provider can temporarily relocate bus routes or bus stops in work zones as deemed necessary?	[X] N/A [ ] No [ ] Yes

Fugitive Dust MM 4.10-1c

MM 4.10-1C. CONSTRUCTION FUGITIVE DUST CONTROL PLAN

4.10-1c 1. Have all active construction areas been watered at least three times daily?	[ ] N/A [ ] No [X] Yes
4.10-1c 2. Have all trucks hauling soil, sand, and other loose materials been covered and maintain at least 2 feet of freeboard?	[ ] N/A [ ] No [X] Yes
4.10-1c 3. Has water or (non-toxic) soil stabilizers been applied three times daily on unpaved access roads, parking areas, and staging areas at construction sites?	[ ] N/A [ ] No [X] Yes
4.10-1c 4. Has daily sweeping occurred (with water sweepers) on all paved access roads, parking areas, and staging areas at construction sites and if visible soil material is carried on adjacent streets?	[ ] N/A [ ] No [X] Yes
4.10-1c 5. Has Hydroseed or (non-toxic) soil stabilizers been applied to inactive construction areas (previously graded areas inactive for 10 days or more)?	[X] N/A [ ] No [ ] Yes
4.10-1c 6. Have stockpiles (dirt, sand, etc.) been enclosed, covered, or watered twice daily?	[ ] N/A [ ] No [X] Yes
4.10-1c 7. Have traffic speeds been limited to 15 miles per hour on unpaved roads?	[X] N/A [ ] No [ ] Yes
4.10-1c 8. Have sandbags or other erosion control measures been installed to prevent silt runoff to public roadways?	[ ] N/A [ ] No [X] Yes
4.10-1c 9. Have native, drought-tolerant vegetation been replanted in disturbed areas as quickly as possible?	[X] N/A

	☐ No ☐ Yes
4.10-1c 10. Have wheel washers been installed and used by truck operators at the exits of the construction sites to the MPWSP Desalination Plant, the slant wells, and the ASR well facilities?	☒ N/A ☐ No ☐ Yes
4.10-1c 11. Has a publicly visible sign been posted that specifies the telephone number and person to contact regarding dust complaints. This person shall respond to complaints and take corrective action within 48 hours. The phone number of the Monterey Bay Unified Air Pollution Control District (MBUAPCD) shall also be visible to ensure compliance with MBUAPCD rules.	☐ N/A ☐ No ☒ Yes

Emission Reductions MM 4.11-1

MM 4.11-1 GHG EMISSIONS REDUCTIONS PLAN	
4.11-1	☐ N/A ☐ No ☒ Yes

Accident Safeguard MM 4.13-1c

MM 4.13-1C SAFEGUARD EMPLOYEES FROM POTENTIAL ACCIDENTS RELATED TO UNDERGROUND UTILITIES	
4.13-1c	☐ N/A ☐ No ☒ Yes

Clean Construction Site MM 4.14-1

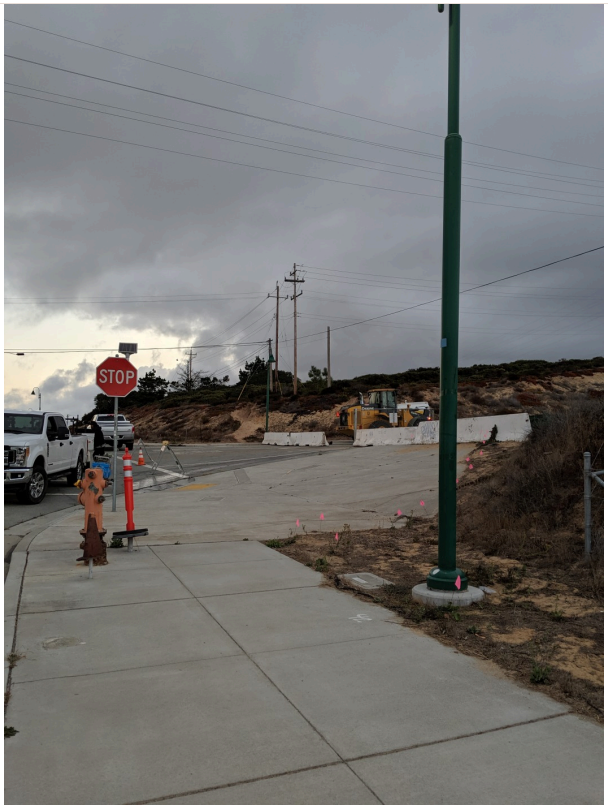
MM 4.14-1 MAINTAIN CLEAN AND ORDERLY CONSTRUCTION SITES	
4.14-1 1. Have staging and construction areas been kept clean and inconspicuous as practicable by storing construction materials and equipment at the proposed construction staging areas or in areas that are generally away from public view when not in use, and by removing construction debris promptly at regular intervals?	☐ N/A ☐ No ☒ Yes

NON COMPLIANCE REPORTING

Non-Compliance Incident

Preparer's Name, Title, and Organization	Nivedha Baskarapandian, AECOM
Measure Number	MM 4.9-1 Traffic Control and Safety Assurance Plan
Incident Date	09/24/2019
Incident Time	07:00 AM
Incident Start Date	09/19/2019
Resolution Date	
Resolution Time	02:01 PM

Incident Summary	Temporary use of equipment and materials storage area outside the project area or established staging areas on Eucalyptus Rd.
Corrective Actions	
Attached Photo(s)	



Staging Area behind the fence on Eucalyptus Rd

Notes	
General Photos	None
Attach Additional Document(s)	None

Seaside Non Bio Construction Checklist - Phase 1 v1

Project	Construction Phase 1 - Seaside
ID	59092
Survey Date	09/26/2019
User	Nivedha Baskarapandian

General Information

Project Name	CAlAm Monterey Peninsula Water Supply Project
Project Number:	60489016
Project Location Monitored	Seaside Conveyance Pipelines
Company Name	[X] AECOM [ ] DDA
Monitor Name	Nivedha Baskarapandian
Time In	07:00 AM
Time Out	05:30 PM

Weather

Start Temperature (F)	
Start Cloud Cover (%)	
Start Wind Speed (mph)	
End Temperature (F)	
End Cloud Cover (%)	
End Wind Speed (mph)	

Detailed Monitoring Activity

Construction Activities Monitored	[X] Backfilling [X] BMP installation or maintenance [X] Brushing or clearing [ ] Concrete pouring [X] Conduit installation [ ] Demolition [X] Excavation [ ] Fencing [ ] Foundation installation [ ] Grading [ ] Jack-and-bore construction [ ] Other [ ] Paving

	☐ Pole installation ☐ Pole top work ☐ Restoration ☐ Retaining wall installation ☒ Staging yard operations ☐ Structure removal ☒ Trenching ☐ Vault installation ☐ Vegetation maintenance
Log of Monitoring Activities	All activities were compliant.
General Project Site Photo(s)	None

General Traffic MM 4.9-1

MM 4.9-1 TRAFFIC CONTROL AND SAFETY ASSURANCE PLAN	
4.9-1. 1. Have circulation and detour plans have been developed to minimize impacts on local streets?	☐ N/A ☐ No ☒ Yes
4.9-1. 2. Have periodic onsite inspections occurred to control and monitor construction vehicle movements by enforcing standard construction specifications?	☐ N/A ☐ No ☒ Yes
4.9-1. 3. Has traffic control devices been installed where traffic conditions warrant, as specified in the applicable jurisdiction's standards (e.g., the California Manual of Uniform Traffic Controls for Construction and Maintenance Work Zones)?	☐ N/A ☐ No ☒ Yes
4.9-1. 4. Have truck trips been scheduled outside of peak morning and evening commute hours to minimize adverse impacts on traffic flow (i.e., if agencies with jurisdiction over the affected roads identify highly congested roadway segments during their review of the encroachment permit applications)?	☐ N/A ☐ No ☒ Yes
4.9-1. 5. Have detour signs been posted along affected roadways to notify motorists of alternative routes?	☒ N/A ☐ No ☐ Yes
4.9-1. 6. Has construction work been performed that crosses on-street and off-street bikeways, sidewalks, and other walkways in a manner that allows for safe access for bicyclists and pedestrians. Alternatively, provide safe detours to reroute affected bicycle/pedestrian traffic?	☐ N/A ☐ No ☒ Yes
4.9-1. 7. Has signage been posted at least two weeks prior to construction along all potentially affected recreational trails and coastal access point; Class I, II, and II bicycle routes; and pedestrian pathways, including the Monterey Peninsula Recreational Trail, to warn bicyclists and pedestrians of construction activities?	☐ N/A ☐ No ☒ Yes
4.9-1. 8. Has CalAm and its contractors scheduled construction activities to minimize	☒ N/A

impacts during heavy recreational use periods (e.g., weekends and holidays)?	[ ] No [ ] Yes
4.9-1. 9. Has a public information program been implemented to notify motorists, bicyclists, nearby residents, and adjacent businesses of the impending construction activities (e.g., media coverage, email notices, websites, etc.)?	[ ] N/A [ ] No [X] Yes
4.9-1. 10. Have non-jurisdictional parties (e.g., CEMEX), been consulted as appropriate, regarding strategies for reducing increased traffic on roads that would provide access to construction work areas?	[ ] N/A [ ] No [X] Yes
4.9-1. 11. Have all equipment and materials been stored in designated contractor staging areas?	[ ] N/A [X] No [ ] Yes
4.9-1. 12. Has one-way traffic flow been maintained past the construction zone where possible?	[ ] N/A [ ] No [X] Yes
4.9-1. 13. Have detour signs been installed to direct traffic to alternative routes around the closed road segment if alternate one-way traffic flow cannot be maintained past the construction zone?	[X] N/A [ ] No [ ] Yes
4.9-1. 14. Have lane closures been limited during peak hours?	[X] N/A [ ] No [ ] Yes
4.9-1. 15. Have roads and streets been restored to normal operation by covering trenches with steel plates outside of normal work hours or when work is not in progress?	[ ] N/A [ ] No [X] Yes
4.9-1. 16. Have roadside safety protocols been complied with to reduce the risk of accidents? Including to provide “Road Work Ahead” warning signs and speed control (including signs informing drivers of state-legislated double fines for speed infractions in a construction zone) to achieve required speed reductions for safe traffic flow through the work zone. Train construction personnel to apply appropriate safety measures as described in the traffic control and safety assurance plan.	[ ] N/A [ ] No [X] Yes
4.9-1. 17. Has access been maintained for emergency vehicles at all times?	[ ] N/A [ ] No [X] Yes
4.9-1. 18. If construction is the vicinity of a school, has truck trips through designated school zones during the school drop-off and pickup hours been avoided to the extent feasible?	[ ] N/A [ ] No [X] Yes
4.9-1. 19. If construction is the vicinity of a school, have flaggers been provided in school areas at street crossings to manage traffic flow and maintain traffic safety during the school drop-off and pickup hours on days when pipeline installation would occur in designated school zones?	[X] N/A [ ] No [ ] Yes

4.9-1. 20. If construction is the vicinity of a school, has Coordination with Monterey-Salinas Transit occurred so the transit provider can temporarily relocate bus routes or bus stops in work zones as deemed necessary?	[X]	N/A
	[ ]	No
	[ ]	Yes

Fugitive Dust MM 4.10-1c

MM 4.10-1C. CONSTRUCTION FUGITIVE DUST CONTROL PLAN

4.10-1c 1. Have all active construction areas been watered at least three times daily?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.10-1c 2. Have all trucks hauling soil, sand, and other loose materials been covered and maintain at least 2 feet of freeboard?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.10-1c 3. Has water or (non-toxic) soil stabilizers been applied three times daily on unpaved access roads, parking areas, and staging areas at construction sites?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.10-1c 4. Has daily sweeping occurred (with water sweepers) on all paved access roads, parking areas, and staging areas at construction sites and if visible soil material is carried on adjacent streets?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.10-1c 5. Has Hydroseed or (non-toxic) soil stabilizers been applied to inactive construction areas (previously graded areas inactive for 10 days or more)?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.10-1c 6. Have stockpiles (dirt, sand, etc.) been enclosed, covered, or watered twice daily?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.10-1c 7. Have traffic speeds been limited to 15 miles per hour on unpaved roads?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.10-1c 8. Have sandbags or other erosion control measures been installed to prevent silt runoff to public roadways?	[ ]	N/A
	[ ]	No
	[X]	Yes
4.10-1c 9. Have native, drought-tolerant vegetation been replanted in disturbed areas as quickly as possible?	[X]	N/A
	[ ]	No
	[ ]	Yes
4.10-1c 10. Have wheel washers been installed and used by truck operators at the exits of the construction sites to the MPWSP Desalination Plant, the slant wells, and the ASR well facilities?	[X]	N/A
	[ ]	No
	[ ]	Yes

4.10-1c 11. Has a publicly visible sign been posted that specifies the telephone number and person to contact regarding dust complaints. This person shall respond to complaints and take corrective action within 48 hours. The phone number of the Monterey Bay Unified Air Pollution Control District (MBUAPCD) shall also be visible to ensure compliance with MBUAPCD rules.	☐ N/A ☐ No ☒ Yes

Emission Reductions MM 4.11-1

MM 4.11-1 GHG EMISSIONS REDUCTIONS PLAN	
4.11-1	☐ N/A ☐ No ☒ Yes

Accident Safeguard MM 4.13-1c

MM 4.13-1C SAFEGUARD EMPLOYEES FROM POTENTIAL ACCIDENTS RELATED TO UNDERGROUND UTILITIES	
4.13-1c	☐ N/A ☐ No ☒ Yes

Clean Construction Site MM 4.14-1

MM 4.14-1 MAINTAIN CLEAN AND ORDERLY CONSTRUCTION SITES	
4.14-1 1. Have staging and construction areas been kept clean and inconspicuous as practicable by storing construction materials and equipment at the proposed construction staging areas or in areas that are generally away from public view when not in use, and by removing construction debris promptly at regular intervals?	☐ N/A ☐ No ☒ Yes

NON COMPLIANCE REPORTING

Non-Compliance Incident

Preparer's Name, Title, and Organization	Nivedha Baskarapandian, AECOM
Measure Number	MM 4.9-1 Traffic Control and Safety Assurance Plan
Incident Date	09/26/2019
Incident Time	07:00 AM
Incident Start Date	09/19/2019
Resolution Date	
Resolution Time	02:01 PM
Incident Summary	Temporary use of equipment and materials storage area outside the project area or established staging areas on Eucalyptus Rd.
Corrective Actions	
Attached Photo(s)	

Staging Area behind the fence on Eucalyptus Rd

Notes	
General Photos	None
Attach Additional Document(s)	None

Attachment 2

TEWS 10/4/2019

AECOM
300 Lakeside Dr., Suite 400
Oakland, CA 94612
www.aecom.com
510 896 3600 tel

Memorandum

To	Cory Barringhaus, ESA	Pages	3
CC			
Subject	Request for Temporary Extra Work Space (TEWS) – Seaside Pipeline		
From	Lawrence Tam, AECOM		
Date	10/4/19		

The purpose of this memorandum is to dcoument approval for Temporary Extra Work Space (TEWS), consistent with the requirements described in the CPUC California American Water (CalAM) Company Monterey Peninsula Water Supply Project MMCRP dated September 2019. The TEWS is is necessary to safely store construction related equipment and materials on a temporary basis.

The TEWS is located on the eastern side of the intersection of General Jim Moore Blvd. and Eucalyptus Road in Seaside, CA (see Figure 1 and Figure 2). The TEWS was selected to meet the following requirements identified in Section 4.6.2 of the MMCRP:

- Located on existing pavement and void of vegetation.
- TEWS will be used to store construction related equipment and materials. No ground disturbing activities.
- CalAm has received permission from the owner of the land, the Fort Ord Reuse Agency (FORA).
- The TEWS is located on a closed, paved roadway and will not result in any adverse environmental effects.

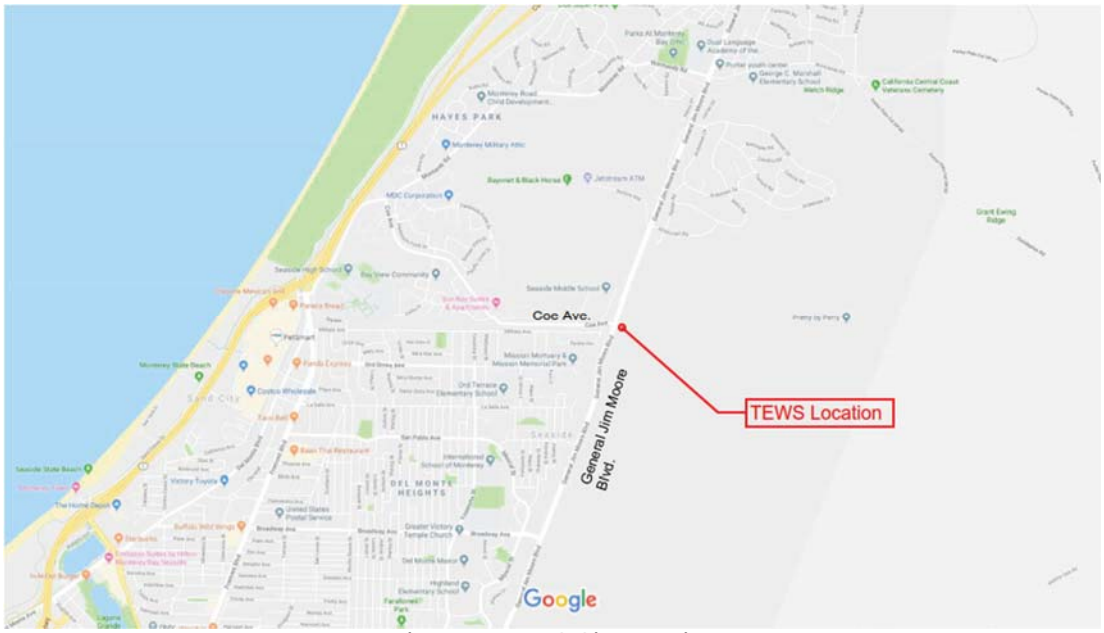


Figure 1. TEWS Site Location

Figure 2. TEWS Location

Site information regarding the TEWS request is as follows:

Date of Request: 9/24/19

Location of TEWS: Located on existing pavement on the east side of the intersection of Eucalyptus Road and General Jim Moore Blvd. See Figure 1 and Figure 2. There is an existing barricade and locked gate so no eastbound public through traffic is allowed at this location.

Owner of Property: Fort Ord Reuse Authority (FORA)

Reason for TEWS: During the pipeline installation, the contractor is experiencing issues with the trench walls sloughing into the trench, especially when at deep depths. As such, additional shoring is needed and required additional storage space to be kept on-site to maintain worker safety, particularly when entering the trench when connecting the pipes. The increased shoring will also aid to mitigate additional loss of the adjacent pavement due to the trench walls sloughing, which also creates a hazard for workers standing near surface at the edge of the trench.

AECOM

Analysis of no new significant impacts: The location is on an closed portion of paved roadway. There is no vegetation in the TEWS. Additionally the TEWS is for additional equipment and materials storage which will be laid on the pavement at ground surface. No excavation will be performed in the TEWS.

The roadway at this location is also barricaded which prevents through traffic. As such there is no impact to commuters.

Biological Surveys: The entire TEWS is on pavement. No vegetation or habitats were observed at the proposed TEWS. The adjacent vegetated area was surveyed by a qualified biologist. Rare plants adjacent to but outside the TEWS were observed and pin flagged. Workers were informed of rare plants in the area and pin flagging identifying locations during WEAP training. Work activities were monitoried by biologists to ensure rare plant impacts were avoided.

Cultural Resources: Not applicable. TEWS is paved and no ground excavation will occur in the TEWS.

Duration and dates of use: 9/24/19 to 11/15/19. Less than 60 days.

Details of expected condition after site use: Restored to original condition. No excavation will occur in the TEWS. The stored equipment and materials will be removed and the location swept and cleaned and restored to original condition.

Attachments:

1. TEWS Photographs (2)
2. CalAm FORA ROE Amendment

TEWS Photograph #1: Looking West

TEWS Photograph #2: Looking East

FORT ORD REUSE AUTHORITY
920 2ND Avenue, Suite A, Marina, CA 93933
Tel: 831 883 3672 | Fax: 831 883 3675 | www.fora.org

September 19, 2019

Tim P. O'Halloran
Engineering Manager
California American Water
511 Forest Lodge Road, Suite 100
Pacific Grove, CA 93950

RE: Amendment to Existing Right of Entry dated July 13, 2018 to Include Laydown Yard/Staging Area at Eucalyptus Road and General Jim Moore Boulevard
Monterey Peninsula Water Supply Project / 30-inch Pipeline Upgrade (Monterey Pipeline) / California American Water Company

Dear Mr. O'Halloran:

This Amendment to the existing Right of Entry (ROE) dated July 13, 2018 outlines terms of use for California American Water Company (CalAm) for certain Fort Ord property to include a laydown yard/staging area located at Eucalyptus Road and General Jim Moore Boulevard, which are currently owned by the Fort Ord Reuse Authority (FORA). Usage and restrictions are based on conditions in this Amendment and include any requirements or restrictions in the existing ROE (dated July 13, 2018 – attached).

This ROE is limited to the period of September 19, 2019 through October 11, 2019 (approximately 3 weeks). FORA may cancel or suspend this ROE at any time. Non-compliance with any portion of this Amendment to ROE and as set forth by the existing ROE will revoke this ROE. This ROE may not be assigned.

The attached map shows the location of the proposed activities. All the activities will be non-invasive and will not cause any ground disturbance, soil removal and will only occur on paved roads. The proposed activities are described below.

- CalAm will utilize Eucalyptus Road for staging trench shields, steel plates and water pipe for approximately 3 weeks (until October 11, 2019).

- CalAm and its Contractors are required to participate in Unexploded Ordnance (UXO) Military Munitions Recognition and Safety Training and will provide a copy of the Certificate of Completion to FORA. UXO Military Munitions Recognition and Safety Training certificate is valid for one (1) year. Contractor personnel who previously completed the UXO Military Munitions Recognition and Safety Training will ensure their

certification is updated on a yearly basis. See the training link: http://fortordsafety.com (see attached CalAm/Contractor Certificates of Completion).

- CalAm will be fully aware of their surroundings inside FORA lands and will wear appropriate protective gear per their company/organization's approved Health and Safety Plan.

- FORA will invoice CalAm to cover FORA administrative costs associated with development of this Amendment to ROE and as referenced in the existing ROE.

- CalAm must:
  - Keep a minimum of 25-foot lane of Eucalyptus Road open;
  - Keep drive ways open with a minimum of 50' clearance from entrances;
  - Accommodate on-site construction traffic and trailers;
  - Provide traffic control and security during setup, use and takedown periods; and
  - Lock gate at General Jim Moore Boulevard unless actively staffed.

FORA is removing Munitions and Explosives of Concern (MEC) on portions of the former Fort Ord through contract with ARCADIS, Inc., Weston Engineers, and Westcliffe Engineers. These properties are restricted by Covenants Restricting Use of Property that requires FORA to secure regulatory approval for the types of access and use during and before the remedial actions.

This ROE outlines the terms of use for activities associated with the proposed use from September 19, 2019 through October 11, 2019 as approved by FORA, the U.S. Environmental Protection Agency (EPA), and the California Department of Toxic Substances Control (DTSC) to protect the health and safety of FORA personnel, staff, CalAm personnel, Contractors and Contractor personnel and staff.

Access to FORA property for such activities is permitted under the following terms, conditions, and representations:

1. FORA makes no representation as to the condition of these properties/facilities. CalAm and its Contractors accept responsibility to inspect the area prior to use to determine that the premises are safe and suitable for the proposed activities.

2. CalAm and its Contractors agree to defend, indemnify, and hold FORA, the jurisdictions, DTSC and EPA, their officers, employees, Contractor personnel and agents harmless from and against any and all liability, loss, expense, including reasonable attorneys' fees, or claims for injury or damages arising from CalAm activities, work stoppages, delays or time lost for implementing, monitoring, or enforcing any provisions of this Amendment and in the existing ROE (dated July 13, 2019).

3. CalAm and its Contractors will meet the terms referenced in the On-Call Construction Support Plan (as referenced in the existing ROE dated July 13, 2018) and as approved by FORA and EPA with concurrence by DTSC, to protect the health and safety of CalAm personnel, staff and its Contractors.

4. CalAm and its Contractors agree to refrain from any ground penetrating activities, unless previously approved in writing by FORA.

5. CalAm and its Contractors will survey, stake and protect the Monterey Peninsula Water Supply Projects site during construction to ensure that soils do not leave the site.

6. CalAm and its Contractor(s) are responsible for any and all impact or any damage associated with the movement and storage of equipment and/or materials proposed for the laydown yard/staging area.

7. CalAm and its Contractors will be responsible for protecting public and private property adjacent to the proposed laydown yard/staging area and shall exercise due caution to avoid damage to such property.

8. CalAm and its Contractor will repair or replace all existing improvements within the right-of-way which are not designated for the proposed laydown yard/staging area (e.g., curbs, sidewalks, driveways, fences, walls, signs, utility installations, pavement, structures, etc.) which are damaged or removed as a result of its use of the proposed laydown yard/staging area. Repairs and replacements shall be at least equal to existing improvements and shall match them in finish and dimension.

9. CalAm and its Contractors agree to cooperate with FORA in complying with requests and other procedures associated with the proposed activities and provide all documents, reports, and other information requested by FORA.

10. Use of the property is subject to federal and/or State of California protections from impact to endangered species. CalAm and its Contractors agree to comply with these regulations and instruct their members in awareness of these species (attached).

11. CalAm and its Contractors agree to provide FORA with updated proof of insurance and add FORA and its agents as additionally insured on CalAm 's general liability insurance policy. This ROE will not be valid until a properly completed certificate of insurance listing "FORA and its agents" as Additionally Insured has been submitted to FORA (attached).

12. CalAm and its Contractors will notify FORA of any dumping that may have occurred on the property as soon as sighted.

13. CalAm and its Contractors will not litter and will remove any trash their Contractors and/or personnel may leave.

14. CalAm and its Contractors will notify the Seaside Police Department immediately of any illegal activities on the properties and follow up by providing FORA with a description of the activities as soon as possible by sending email to: stan@fora.org or, by calling the FORA at (831) 883- 3672.

This Amendment to Existing Right of Entry is valid only for property currently owned by FORA and does not provide permission for CalAm to access property not owned by FORA. Please work directly with the current property owners to obtain permission to access their property.

Please indicate your agreement to the conditions of this Right of Entry by signing in the space provided below.

Sincerely,

for Laura Vidaurri

Stan Cook
Real Property and Facilities Manager

ACCEPTANCE:

California American Water Company – Coastal Division

Date: 9/19/2019, 2019

Tim P. O'Halloran, Engineering Manager

ATTACHMENTS:

Copy of existing CalAm Monterey Peninsula Water Supply Project/30-inch Pipeline Upgrade (Monterey Pipeline) California American Water Company ROE dated July 13, 2018 (first 3 pages)

Copy of existing CalAm MPWSP ROE dated July 13, 2018 (including all attachments) transmitted via email (large document file)

Map (Google Maps) of Laydown Yard/Staging Area – Eucalyptus Road/General Jim Moore Boulevard

UXO Military Munitions Recognition and Safety Training Certificates of Completion for Contractor personnel accessing laydown yard/staging area

List of State of California Rare, Threatened or Endangered Species Updated Certificate of Liability Insurance

City of Seaside Encroachment Permit (#CA080719)

Email from Arcadis re: confirming proposed laydown/staging use consistent with On-Call Construction Support Plan/Land Use Control Implementation Plan/Operation and Maintenance Plan (dated 9/18/19)

Email from U.S. Army re: confirming proposed laydown/staging use consistent with On-Call Construction Support Plan/Land Use Control Implementation Plan/Operation and Maintenance Plan (dated 9/18/19)

Email from EPA re: confirming proposed laydown/staging use consistent with On-Call Construction Support Plan/Land Use Control Implementation Plan/Operation and Maintenance Plan (dated 9/18/19)

Email from DTSC re: confirming proposed laydown/staging use consistent with On-Call Construction Support Plan/Land Use Control Implementation Plan/Operation and Maintenance Plan (dated 9/18/19)

FORA

FORT ORD REUSE AUTHORITY

920 2ND Avenue, Suite A, Marina, CA 93933
Tel: 831 883 3672 | Fax: 831 883 3675 | www.fora.org

July 13, 2018

Christopher Cook
Engineering Manager
California American Water
511 Forest Lodge Road, Suite 100
Pacific Grove, CA 93050

RE: Right of Entry—Monterey Peninsula Water Supply Project and 30-inch Pipeline Upgrade (Monterey Pipeline)
California American Water Company

Dear Mr. Cook:

This Fort Ord Reuse Authority (FORA) Right of Entry (ROE) outlines terms of use for select former Fort Ord areas to support upgrades to below-grade pipelines (aka Monterey Pipeline) at the intersection of General Jim Moore Boulevard (GJMB) and Hilby Avenue (Parcel E24) being installed by California American Water Company (CalAm). This ROE is limited to the construction shown on the attached Exhibit "A," and operation and maintenance of the proposed 30-inch Pipeline Upgrade to its Monterey Pipeline segment. This ROE may be canceled by FORA with thirty (30) days' notice. FORA may suspend the ROE without notice for cause (such as breach of the ROE).

This ROE provides CalAm and its contractors with limited access to FORA-owned property that is currently undergoing Munitions and Explosive of Concern (MEC) remediation efforts. FORA may stop CalAm and its contractors' activities and perform MEC remediation activities and supporting activities. FORA will work with CalAm and its contractors to attempt to minimize the impacts of MEC remediation efforts on their activities. This ROE may not be assigned.

Usage and restrictions are based on conditions in this ROE and the attached:

- Exhibit "A" – Map of Authorized Construction Area
- Exhibit "B" – Approved On-Call Construction Support for CalAm and its contractors.

- Exhibit "C" – U.S. Army Fort Ord Base Realignment and Closure (BRAC) letters approving the On-Call Construction Support Plan, Aquifer Storage and Recovery Well Site Expansion Project, Monterey Peninsula Water Supply Projects (including 30-inch upgrade), with Environmental Protection Agency [EPA] and Department of Toxic Substances Control [DTSC] concurrence).

- Exhibit "D" – Proof of Seaside Permit

- Exhibit "E" – Copy of Certificate of Insurance Coverage listing "FORA and its agents" as Additionally Insured

Use of the described FORA-owned site is permitted under the following terms:

1. FORA make no representation as to the condition of these properties/facilities. CalAm and its contractors accept responsibility to inspect the facilities prior to use to determine that the premises are safe and suitable for the proposed activities.

2. CalAm and its contractors will meet the terms for construction of the 30-inch pipeline upgrade On-Call Construction Support Plan, as approved by FORA and EPA with concurrence by DTSC, to protect the health and safety of CalAm personnel, staff and contractors.

3. CalAm and its contractors agree to defend, indemnify, and hold FORA, the jurisdictions, DTSC and EPA, their officers, employees, contractors and agents harmless from and against any and all liability, loss, expense, including reasonable attorneys' fees, or claims for injury or damages arising from CalAm activities, work stoppages, delays or time lost for implementing, monitoring, or enforcing any provisions of this ROE including the attached exhibit documents.

4. Use of the property is subject to federal and/or State of California protections from impact to endangered species. CalAm and its contractors agree to comply with these regulations and instruct their members in awareness of these species.

5. CalAm and its contractors agree to provide FORA with proof of insurance and add FORA and its agents and the City of Seaside as additionally insured on CalAm 's general liability insurance policy. This ROE will not be valid until a properly completed certificate of insurance listing "FORA and its agents" as Additionally Insured has been submitted to FORA.

6. CalAm and its contractors agree to refrain from any ground penetrating activities, unless previously approved in writing by FORA.

7. CalAm and its contractors will notify FORA of any dumping that may have occurred on the property as soon as sighted.

8. CalAm and its contractors will not litter and will remove any trash that their contractors may leave.

9. CalAm and its contractors will notify the Seaside Police Department immediately of any illegal activities on the properties and follow up by providing FORA with a description of the activities as soon as possible by calling the FORA at (831) 883-3672.

10. CalAm and its contractors will survey, stake and protect the Monterey Peninsula Water Supply Projects site during construction to ensure that soils do not leave the site.

After property transfer to the City of Seaside, this ROE will become void. Upon transfer, CalAm work on the transferred land may only continue with the City of Seaside permission similar to that described in this ROE. CalAm is also responsible for obtaining permission from the record owner to use those portions of the area proposed for work that is not owned by FORA.

Please indicate your agreement to the conditions of this Right of Entry by signing in the space provided below.

Sincerely,

Stan Cook
Real Property and Facilities Manager

Acceptance

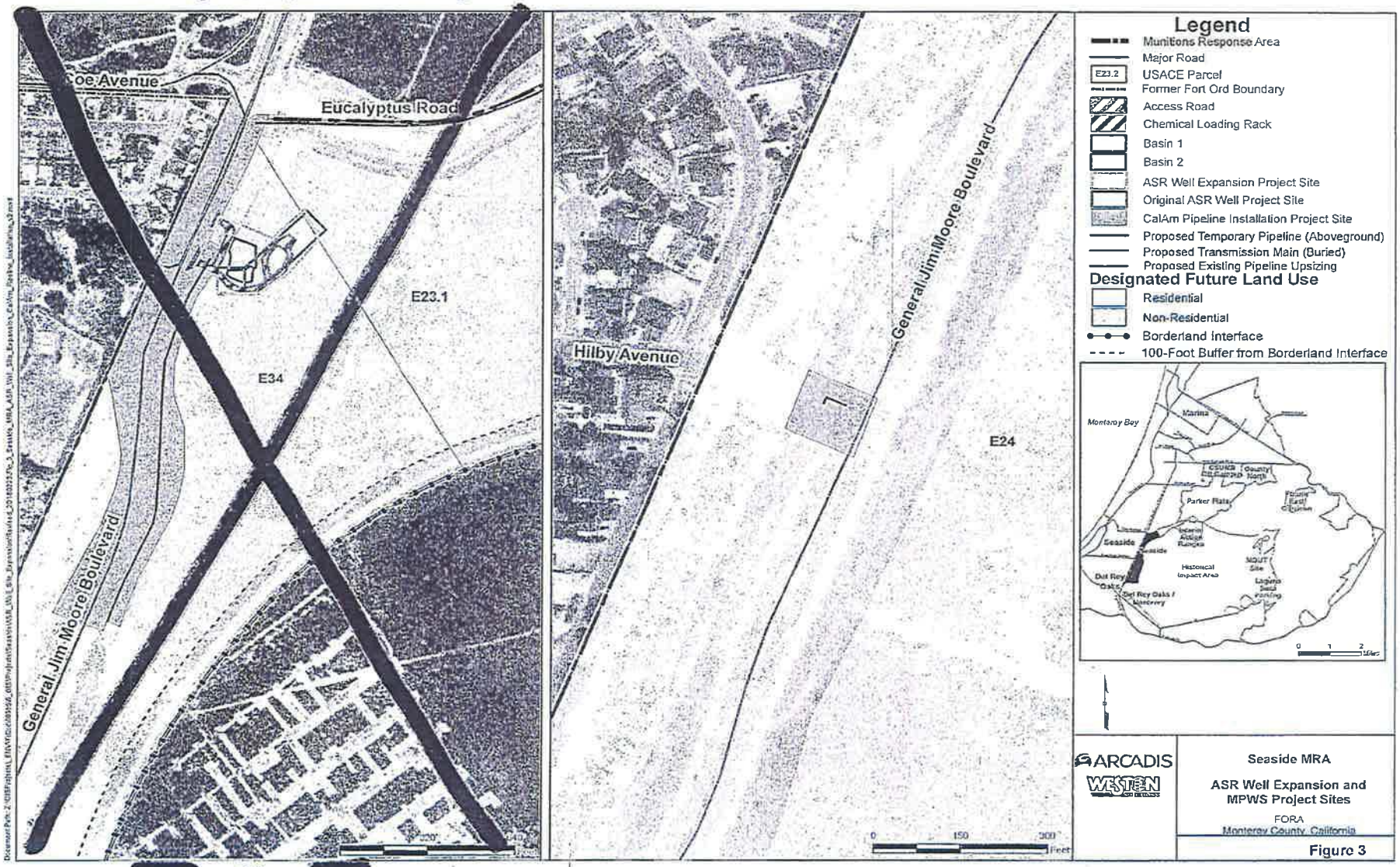
California American Water Company – Coastal Division

Date: 7/17 2018

Christopher Cook, Engineering Manager

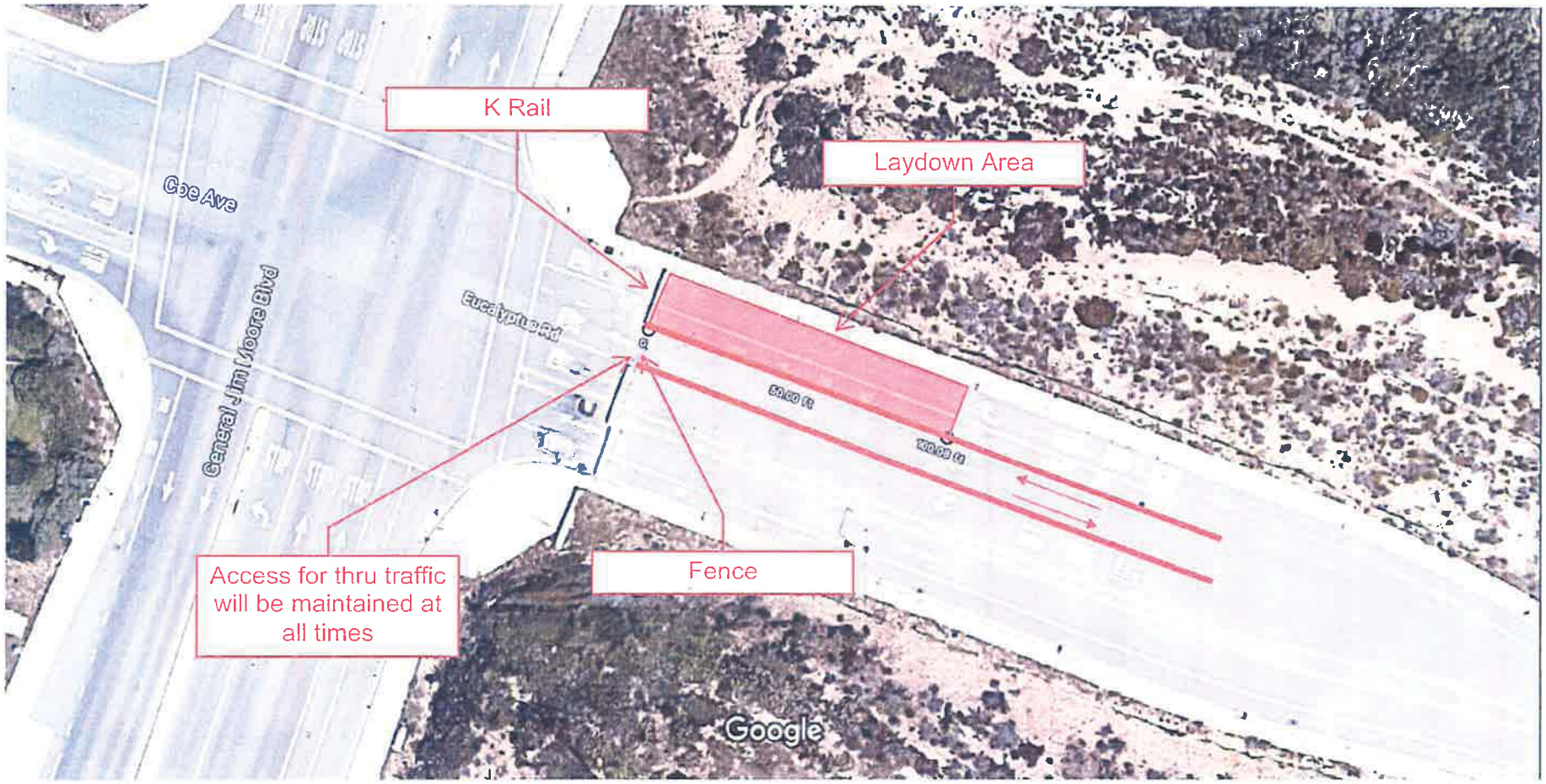
EXHIBIT "A"

NOT PART OF



R.O.E.

Google Maps



Imagery ©2019 Google, Map data ©2019 , Map data ©2019 20 ft

Measure distance

Total distance: 100.08 ft (30.50 m)

CERTIFICATE OF ACHIEVEMENT

This certificate is presented to

Kevin Downs

For the successful completion of the Munitions Recognition and Safety Training program on

Mon 16 Sep 2019

Certificate ID : FAH4743

CERTIFICATE OF ACHIEVEMENT

This certificate is presented to

Kevin Netto

For the successful completion of the Munitions Recognition and Safety Training program on

Mon 16 Sep 2019

Certificate ID : FAH4744

CERTIFICATE OF ACHIEVEMENT

This certificate is presented to

Enrique Maydon

For the successful completion of the Munitions Recognition and Safety Training program on

Mon 16 Sep 2019

Certificate ID : FAH4745

CERTIFICATE OF ACHIEVEMENT

This certificate is presented to

Jose Garcia

For the successful completion of the Munitions Recognition and Safety Training program on

Mon 16 Sep 2019

Certificate ID : FAH4746

CERTIFICATE OF ACHIEVEMENT

This certificate is presented to

Edwardo Luquin

For the successful completion of the Munitions Recognition and Safety Training program on

Mon 16 Sep 2019

Certificate ID : FAH4747

CERTIFICATE OF ACHIEVEMENT

This certificate is presented to

Sean Summers

For the successful completion of the Munitions Recognition and Safety Training program on

Mon 16 Sep 2019

Certificate ID : FAH4739

CERTIFICATE OF ACHIEVEMENT

This certificate is presented to

Nick Hansen

For the successful completion of the Munitions Recognition and Safety Training program on

Mon 16 Sep 2019

Certificate ID : FAH4740

CERTIFICATE OF ACHIEVEMENT

This certificate is presented to

Brian Thompson

For the successful completion of the Munitions Recognition and Safety Training program on

Mon 16 Sep 2019

Certificate ID : FAH4741

CERTIFICATE OF ACHIEVEMENT

This certificate is presented to

Jake Silva

For the successful completion of the Munitions Recognition and Safety Training program on

Wed 18 Sep 2019

Certificate ID : FAH5152

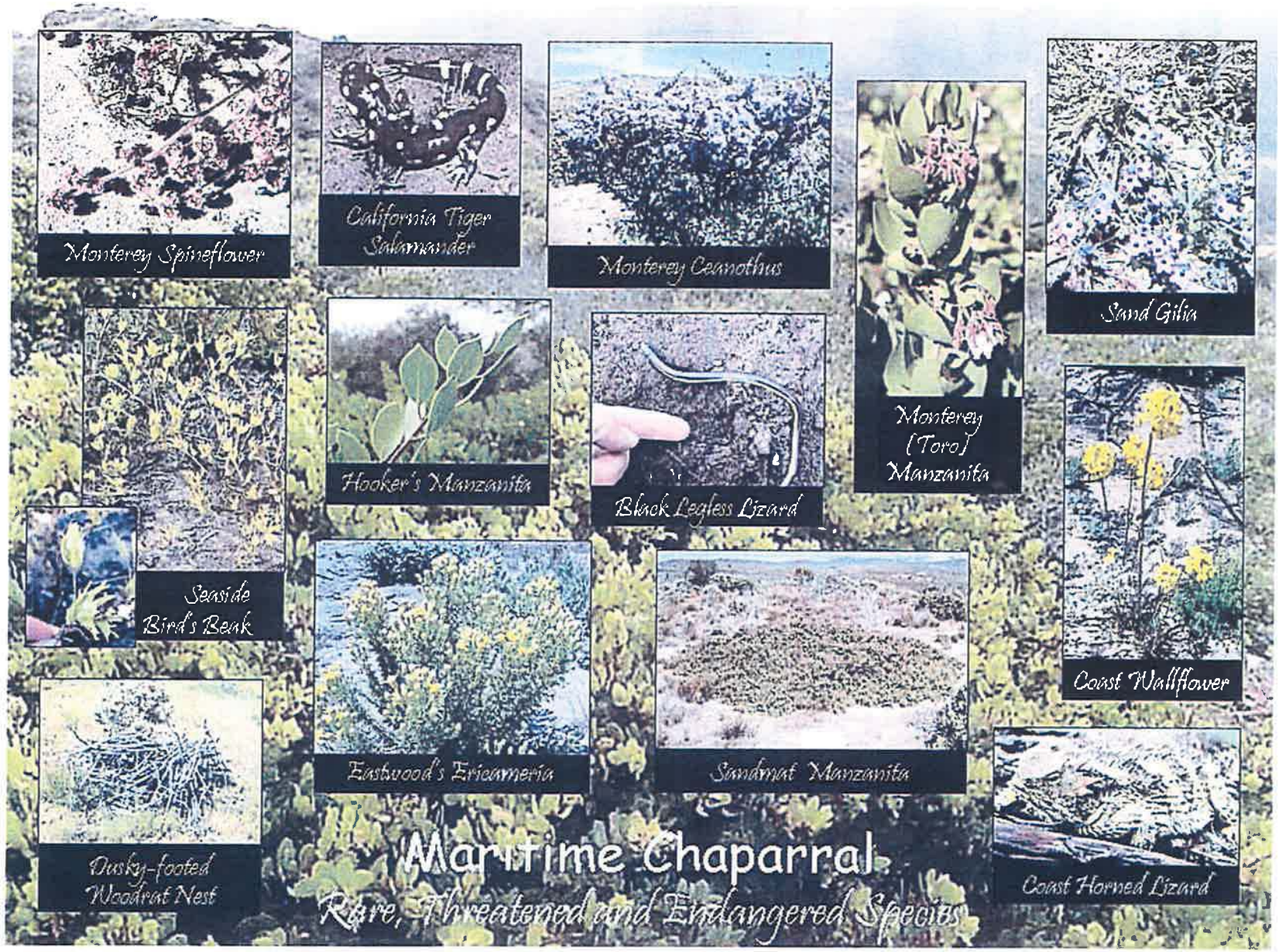

Monterey Spineflower
California Tiger Salamander
Monterey Ceanothus
Sand Gilia
Monterey (Toro) Manzanita
Hooker's Manzanita
Black Legless Lizard
Seaside Bird's Beak
Coast Wallflower
Eastwood's Ericameria
Sandmat Manzanita
Dusky-footed Woodrat Nest
Coast Horned Lizard
Maritime Chaparral
Rare, Threatened and Endangered Species

Table ES-1. Habitat Conservation Plan Species

Common Name	Scientific Name
Plants	
Sand gilia	Gilia tenuiflora ssp. arenaria
Contra Costa goldfields	Lasthenia conjugens
Yadon's piperia	Piperia yadonii
Robust spineflower	Chorizanthe robusta var. robusta
Monterey spineflower	Chorizanthe pungens var. pungens
Seaside bird's-beak	Cordylanthus rigidus var. littoralis
Coast wallflower	Erysimum ammophilum
Toro manzanita	Arctostaphylos montereyensis
Sandmat manzanita	Arctostaphylos pumila
Monterey ceanothus	Ceanothus cuneatus var. rigidus
Eastwood's ericameria	Ericameria fasciculata
Hooker's manzanita	Arctostaphylos hookeri
Animals	
Smith's blue butterfly	Euphilotes enoptes smithi
Western snowy plover	Charadrius alexandrinus nivosus
California tiger salamander	Ambystoma californiense
California red-legged frog	Rana aurora draytonii
California black legless lizard	Anniella pulchra nigra
Monterey ornate shrew	Sorex ornatus salarius
California linderiella	Linderiella occidentalis

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 08/21/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Marsh USA Inc.
1166 Avenue of the Americas
New York, NY 10036
Attn: NewYork.Certs@marsh.com Fax: 212-948-0500

GL/EX

INSURED
California-American Water Company
511 Forest Lodge Road, Suite 100
Pacific Grove, CA 93950

CONTACT NAME:
PHONE (A/C, No, Ext): **FAX (A/C, No):**
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Travelers Prop. Casualty Co. Of America	25674
INSURER B : Berkshire Hathaway Specialty Insurance Company	22276
INSURER C : N/A	N/A
INSURER D :	
INSURER E :	
INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** NYC-008955084-24 **REVISION NUMBER:** 14

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY	X	X	TC2JGLSA-260T3317-19	01/01/2019	01/01/2020	EACH OCCURRENCE	$ 2,000,000
	CLAIMS-MADE [X] OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 2,000,000
							MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 12,000,000
	X POLICY [ ] PRO-JECT [ ] LOC						PRODUCTS - COMP/OP AGG	$ Included Above
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
B	X UMBRELLA LIAB X OCCUR		X	47-UMO-100402-04	01/01/2019	01/01/2020	EACH OCCURRENCE	$ 1,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 1,000,000
	DED X RETENTION $ 10,000							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N						PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] (Mandatory in NH)	N/A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
CERTIFICATE HOLDER IS INCLUDED AS ADDITIONAL INSURED WHERE REQUIRED BY WRITTEN CONTRACT. WAIVER OF SUBROGATION IS APPLICABLE WHERE REQUIRED BY WRITTEN CONTRACT.

CERTIFICATE HOLDER

FORA and its Agents
City of Seaside
920 2nd Ave Suite A
Marina, CA 93933

CANCELLATION

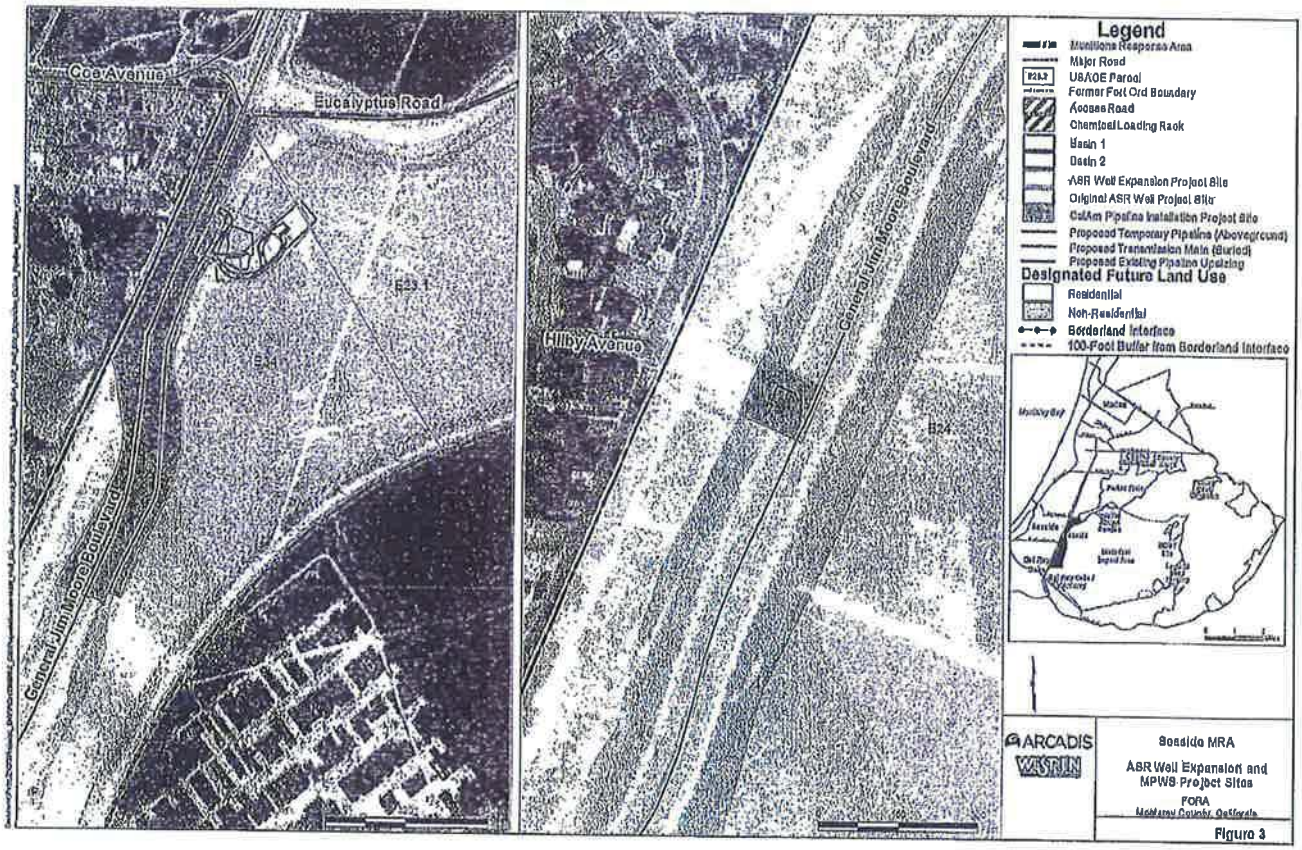
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
of Marsh USA Inc.
Kimberly Parks

ATTACHMENT:

AREA IN R.O.E. EXTENSION E-MAIL DATED 8/20/19

Art Cook 8/20/19



Encroachment Permit

Check#1500047581

City of Seaside Public Works
440 Harcourt Avenue
Seaside, Ca 93955
Phone: (831) 899-6825, Fax: (831) 899-6211

Permit #: CA080719
Permit Fee: $9,400
Receipt #: R00004082
Bond Fee: Franchise - N/A
Receipt #:

All information except signature must be typed or legibly printed. Notify City 48 hours in advance before start of project. (831) 899-6745

(Office Use Only) **Date Issued:** **Expiration Date:**

A

Applicant/Permittee: California American Water — **Phone#** 831-646-3291

Mailing Address: 511 Forest Lodge Road, Pacific Grove, 93590

Applicant/Permittee is Contractor: No ☑ Yes ☐

Contractor: Garney Construction — **Phone#** 925-800-1847

Mailing Address: 324 E. 11th Street, Suite E2, Tracy, 95376

Applicant/ Permittee

State Contractor's License # 999415

Seaside Business License # 9992015263

Certificate of Liability Insurance on file with the City of Seaside: No ☐ Yes ☑

Applicant/Permittee hereby agrees to comply with the Standard Conditions attached as Exhibit A, and special provisions outlined in this permit and all City Ordinances, Resolutions, Standards and Specifications currently in force. Execution below shall confirm that contractor and/or Applicant/Permittee has received and reviewed the Standard Conditions, understands the same and agrees to be bound thereby.

Applicant/Permittee Signature: _____ Date: 8/2/19

Contractor Signature: _____ Date: 8/2/19

B

Job Address/Location: General Jim Moore Blvd and Lightfighter Road

APN: Cross Street:

Project Location & Description

Type of Encroachment: Check all that apply: Street Improvement: ☐ Sidewalk: ☐ Other: ☐ Street Excavation: ☑ Driveway Approach: ☐

Excavation Size (Sq. Ft.) 6'x wide trench

Project Description:

Construction of the Cal Am Transfer Pipeline, a 36-inch ductile iron, potable water pipeline in the City of Seaside ROW along General Jim Moore and Lightfighter Dr. The total length of pipeline in the City Public ROW is 5,305 LF.

The pipeline will be installed in two segments. Segment 1 is located in General Jim Moore, between Coe Avenue and the US Army southern property line. Segment 2 begins at the northern U.S. Army property line on General Jim Moore and continues north, turning west onto Lightfighter Drive and then ending at the Highway 1 and Lightfighter intersection.

Construction duration is estimated at approximately 45 working days. See attached memo for additional information.

C

Permit Conditions (Office Use Only)

Applicant/Permittee to notify the following:

Underground Service Alert (800)-227-2600- U.S.A. Ticket # W912600485, W91260(	☑
Seaside Police Department (831)-899-6748	☑
Seaside Fire Department (831)-899-6790	☑
Monterey-Salinas Tansit, fax work location (831)-899-7789	☑
AMR Ambulance Service (831)-718-9555	☑

Latitude/Longitude:

Traffic Control/Lane Drop Required:	Yes: ☑	No: ☐
Sidewalk Closure Required:	Yes: ☐	No: ☑

Special Provisions: Permit # CA080719

See Exhibit A (attached)

D

Issuance & Acceptance (Office Use Only)

Seaside Public Works/Engineering Department

Permit Issued By Scott Ottmar, P.E

Signature: Scott Ottmar Date: 9/10/19

I have examined the work covered by this permit and find that it is in accordance with the standards of the City of Seaside.

Encroachment Inspector Signature: _____ Date: _____

O.K. To Release Bond: Yes: ☐ ***No:*** ☐

Comments:

See revised conditions for permit staging along Eucalyptus Road dated 9/17/19.

Scott Ottmar

Exhibit A

City of Seaside, Public Works Engineering
Encroachment Permit Special Provisions

Transmission Mains for Monterey Peninsula Water Supply Project (MPWSP) Transfer Pipeline
Prepared by AECOM dated September, 2019
Permit # CA080719
Applicant: California American Water
Applicant: Garney Construction

September 10, 2019
Amended September 17, 2019

These specifications are for construction of the proposed Transmission Mains (Project), and, along with construction drawings titled "Transmission Mains for Monterey Peninsula Water Supply Project (MPWSP) Transfer Pipeline, dated September 2019 by AECOM, and details, will accompany each individual Encroachment Permit. All activities shall comply with applicable State, Federal and Local regulations, including but not limited to the Seaside Public Improvement Standards and Standard Specifications, California Department of Transportation

A. General

1. Adhere to applicable city standards, except as modified herein.
2. Notification sent to all affected residents and businesses. Notices shall be sent at least 72 hours in advance of construction activities. See Section B, Traffic Control, below for requirements for placing "No parking signs".
3. Applicant shall implement the following outreach programs as a minimum during construction of the pipeline project:
   3.1. Provide a 24/7 public hotline
   3.2. Door hangers and mailing notices as appropriate
   3.3. Neighborhood meetings as appropriate
   3.4. Install signs along pipeline route on barricades identifying project name and hotline phone number
   3.5. Attend council meetings if requested.
4. Notify City of Seaside Engineering Division **2 weeks prior to start of construction** and provide regular updates as may be required.
   4.1. Email notifications to Scott Ottmar, sottmar@ci.seaside.ca.us, Billy Thomas, bthomas@ci.seaside.ca.us, and Rick Riedl, rriedl@ci.seaside.ca.us.
5. Adhere to the Project Mitigation Monitoring and Reporting Program (MMRP).
   5.1. Provide mitigation plans when requested by the City.
6. If the disturbed area is to be over one (1) acre, a Storm Water Pollution Prevention Plan (SWPPP) shall be prepared and a WDID obtained by the applicant from the State Water Quality Control Board. Submit the SWPPP for City of Seaside review.
   6.1. See Section F, Storm Water Pollution Prevention, below for further details.
7. Subsurface construction shall be accomplished utilizing the following methods:
   A. Trenching in street
   B. Trenching in sidewalk
8. Pot holes are required to determine the type and location of underground utilities.
   8.1. Unless waived by the city inspector, contractor will provide profile of utility. Profile shall identify which utilities are present and depth to the utility.
   8.2. Notify City of Seaside at least 24 hours in advance of digging potholes.
   8.3. City of Seaside may inspect potholes and depths as deemed appropriate.

9. General Jim Moore Boulevard and Lightfighter Drive shall have a slurry seal applied after pavement restoration. See section E, Paving, below for pavement restoration requirements.
10. Protection and Repair of Existing Storm Drains and Sanitary Sewer Lines
    10.1. Closed Circuit Television (CCTV) inspections of City storm drain lines shall be performed and meet "Performance Specification Guidelines for Pipe Condition Assessment using CCTV" by the National Association of Sewer Service Companies (NASSCO).
    10.2. CCTV inspections are to be performed at all utility crossings or any other locations where City utilities (storm drains) are found to be located within 6'-5" of the outside diameter of the pipeline (i.e. based on USA markings and/or potholing).
    10.3. Contractor shall repair storm drains damaged by construction operations to the satisfaction of the City.
11. Provide City with an indexed preconstruction video of existing surface improvements shown from both directions. Provide copy of preconstruction photographs.
12. Restore, repair, or replace private property improvements damaged by construction operations to the pre-construction conditions as commercially practical and to the private property owner's satisfaction. In the event the private property owner is not satisfied with the restoration or repair of damaged improvements, Applicant's External Affairs Manager, Construction Manager, and/or other such representative shall meet with the property owner to resolve the issue.
13. As determined necessary by the city engineer, a Revegetation Plan shall be prepared and submitted to the City of Seaside by a qualified biologist to revegetate and restore impacted habitat. This plan shall include a list of appropriate species, planting specifications, monitoring procedures, success criteria, and contingency plan if success criteria are not met.
14. The City of Seaside retains the right to hire a third party inspector, to monitor adherence to these conditions.
    14.1. Third party inspector to be paid by Applicant.
    14.2. Any expenses greater than paid permit fees will be billed to Applicant, and paid upon demand. Failure to pay constitutes a breach of this permit.
    14.3. City inspections are intended for Quality Assurance (QA) purposes.
    14.4. Conduct sampling and testing as specified in the City's QAP *"Sampling and Testing Frequency Table"* revised April, 2018 and provide results to the City upon request. In the event of a conflict between the *Sampling and Testing Frequency Table* and the conditions in this permit, the QAP shall prevail unless otherwise directed by the City Engineer.
    14.5. City shall be included in construction progress meetings and provided copies of meeting agendas and minutes when requested
15. Contractor and sub-contractors contracted by Applicant shall provide insurance and indemnification to the City of Seaside prior to start of construction. Insurance shall have following minimum policy coverage:
    15.1. Bodily injury: $2,000,000 per occurrence and $4,000,000 aggregate
    15.2. Automobile liability: $1,000,000 combined single
    15.3. Worker's compensation: $1,000,000 per accident or disease.
16. Contractors must have a City of Seaside business license.
17. New underground water main and appurtenances to be located per plans titled: Transmission Mains for Monterey Peninsula Water Supply Project (MPWSP) Transfer Pipeline, dated September 2019 by AECOM. This permit authorizes work only in areas of the City of Seaside right of way or property owned by the City of Seaside within existing easements.
    17.1. Applicant is responsible for determining and securing easements and coordinating with property owners for installation of water mains and associated infrastructure, including fire hydrants, blow-off valves and air release valves.

17.2. Applicant shall submit record drawings upon completion of the work.

B. Temporary Traffic Control

1. Notify, coordinate, and resolve access, ingress, egress, special needs (disabilities), and parking issues with all private property owners/tenants and businesses along the pipeline route.
2. Temporary Traffic control shall conform to the most recent edition of the California Manual of Uniform Traffic Control Devices and must also be prepared and stamped by a licensed traffic engineer.
   2.1. Temporary traffic control shall be in conformance to traffic control plans by AECOM submitted September 10, 2019 or as amended with prior city approval.
3. Haul roads will follow pipeline alignment and approved traffic control plans to the extent possible.
4. Avoid truck trips through designated school zones during school drop off and pickup hours. Provide construction schedule updates to the schools for bus route coordination.
5. Road closure along General Jim Moore Boulevard or Lightfighter Drive is not permitted.
   5.1. At least one lane of traffic in each direction shall be maintained at all times.
   5.2. At least one driveway approach shall be available for each business affected.
   5.3. Provide safe provision for pedestrians and bicycles around and within construction zones in conformance with approved traffic control plans.
6. "No Parking" signs shall be posted a minimum of 72 hours prior to work beginning in that area, and
   6.1. shall clearly state the date(s) and time that no parking is in effect, and
   6.2. shall provide a contact phone number for the project manager and/or contractor
   6.3. Over-night parking of tracked construction vehicles is authorized on public right of way only inside of the work zone. All other construction vehicles are prohibited from over-night parking on public right of way inside or outside of the work zone.
7. Provide changeable message signs (CMS) alerting motorists of detours two weeks in advance for work along General Jim Moore Boulevard and Lightfighter Drive. CMS to be left out for duration of detour.
8. Staging of trench shields, installation pipe and steel plates shall be permitted on Eucalyptus Rd. per submitted staging area map dated September 16, 2019. Applicant/Permittee responsible for any damage done to roadway.
9. Notify Police, Fire Departments, and Monterey Salinas Transit prior to construction commencing.

C. Excavation in Parkways and Sidewalks

1. Unless otherwise approved by City Inspector, excavations in sidewalks and parkways must be backfilled or temporarily paved. No excavations shall remain open past work hours.
2. Backfill in parkways and sidewalks as approved by City Inspector. Temporary backfill shall be ADA compliant.
3. Compaction of backfill in parkways and sidewalks shall be 90% minimum.
4. All improvements and landscaping in parkways shall be restored in-kind. The contractor shall take photographs of each work area prior to beginning and retain in files for reference and examination.
5. Sidewalk areas shall be repaired per City of Seaside standards S-101, S-102, S-103, S-104.
   a. Damaged concrete shall be removed and replaced to the nearest construction joint.
6. Vaults and boxes installed within parkways and sidewalks shall be flush to finish grade.
   6.1. Lids and covers must clearly denote type of utility contained within.

D. Excavation in Streets

1. Street excavations shall be square and saw cut with smooth straight edges unless otherwise approved by the City.

2. Native backfill between stations 130+00 and 139+00 is not permitted.
   2.1. Contractor may stockpile and utilize excess soil excavated between stations 31+50 to 47+50 or excavated between stations 139+00 to 152+50; or
   2.2. Utilize imported backfill in conformance with city standard S-601; or
   2.3. Utilize control density fill. Contractor to submit mix design for control density fill for city approval.
3. Excavation activities between stations 6+00 to 23+00 shall be consistent with the *"On-Call Construction Support Plan"* dated June 18, 2018 by Arcadis, Inc./Weston Solutions Inc. Excess soil generated between station 6+00 to 23+00 shall be managed per the soil disposal plan titled *"Transfer Pipeline Excess Soil Disposal Plan"* prepared by AECOM dated August 2019.
4. Backfill or plating shall occur on same day as excavation. No excavations may remain open past work hours.
   4.1. See S-601 for trench restoration details.
5. Compaction shall achieve 95% relative at optimum moisture content, in agreement with Section 19-5 of the current Standard Specifications, State of California, Department of Transportation.
   5.1. Compaction shall be **in layers** not to exceed 0.67 feet (8 inches). At depths greater than 2.5 feet (30 inches), compaction shall be in layers not to exceed 1 foot (12 inches).
   5.2. Compaction testing will be provided for each day when backfill occurs or at 300 LF maximum, whichever is more frequent.
   5.3. Compaction test for at least one lift of each type of backfill material placed during the day.
   5.4. Provide copies of compaction reports from a certified **third party testing company**.
   5.5. Compaction testing shall be identified by stationing location as shown on plans "Transfer Pipeline Plans", dated September, 2019.
6. Slurry backfill, if used, shall conform to S-600 or alternative slurry backfill material by written approval of the City Inspector. Admixtures shall not be used without first providing product submittals and obtaining City's written approval. Care shall be taken to keep the edges of the asphalt free from slurry.
7. Steel plates shall conform to California Department of Transportation Standard Specifications and shall have a traction surface. Provide Certificate of Compliance that plate meets these standards.
8. Slurry backfill shall remain a minimum of 4 inches below the finished surface. Slurry shall cure for 24 hours. If the slurry has attained sufficient hardness for traffic, the excavation shall be covered with temporary paving. Where the slurry has not attained sufficient hardness, the excavation must be covered with steel plates until the next day.
9. Temporary paving and trench plates shall be maintained in good condition at all times, and shall be inspected by the permittee at the end of each work day. Temporary paving materials shall be added as needed to maintain a smooth riding surface within 48 hours of any complaint received from the public or as directed by the City Engineer.
10. Trenching within existing pavement will be patched with cold mix upon completion of slurry backfill. Cold mix removed at time of final pavement installation.
11. Provide shoring, trench box or shield when required by OSHA excavation requirements. Submit stamped calculations to the City for review.
12. Vaults and boxes installed within city streets shall be flush with final pavement and rated for vehicular traffic, H-20 wheel loading.
13. Damage to streets by construction vehicles, including track marks, shall be repaired to the satisfaction of the City Engineer.
14. Staging of trench shields, installation pipe and steel plates shall be permitted on Eucalyptus Rd. per submitted staging area map dated September 16, 2019. Applicant/Permittee responsible for any damage done to roadway.

E. Paving

1. Temporary paving may be cold-mix asphalt, flush with the finished surface.
2. Prior to paving with hot mix asphalt, the edges of the asphalt shall be cleaned as necessary before the application of the tack coat.
3. General Jim Moore Boulevard and Lightfighter Drive shall receive a Type II slurry seal for the entire width, or up to centerline or median as applicable.
4. Trench restoration shall be in conformance with standard plan s-601.
5. Hot mix asphalt work shall conform to Section 39 of the Standard Specification, State of California, Department of Transportation, most recent edition.
6. Quality Assurance testing shall conform to the Sampling and Testing Frequency Table provided by the City titled "Sampling and Testing Frequencies for Projects not on the SHS or NHS" revised April 2018.
7. In streets that are cracked, damaged or "alligatored," the extent of removal and replacement of asphalt shall be per the city inspector's direction.
8. Restore pavement markings in kind. Existing signs, striping, pavement legends, and markings will be restored to current City standards and as directed by the City. Provide temporary pavement markings and striping on arterials in accordance with MUTCD and Caltrans standards. Provide permanent striping, legends, and markings within ten (10) business days of permanent pavement restoration. City to provide specifications on painting, striping, and markings.
   8.1. Adhere to sections 84 and 85 of Caltrans Standard Specifications as applicable.
   8.2. When using paint, apply a minimum of two coats.
9. Repair cross gutters per standard S-106.
   9.1. Replace cross gutter to nearest construction joint, unless otherwise directed by the city inspector
   9.2. Weather permitting; pavement restoration paving should occur within 10 working days of the completion of the underground construction as shown on Project plans.
10. Restore and test traffic loop detectors within three (3) business days of structural pavement restoration. Contractor to coordinate with City for loop replacement/repair standards.
    10.1 Contractor may use alternate methods of traffic detection in lieu of traffic loops. Alternate form of traffic detection must be approved by the City.
11. Survey monuments and benchmarks removed or damaged due to construction shall be restored by a licensed land surveyor.
    11.1. All survey monuments shall be replaced in accordance with City standard detail S-802 and recorded with the County in conformance with the requirements of the "Business and Professional Code" of the State of California, chapter 15, "Land Surveyors" article 5, "Surveying Practice", and section 8762 "Record of Survey" as appropriate.
    11.2. Benchmarks shall be re-established to the point nearest the original benchmark and set with a bronze disc.
12. All final pavement restoration shall be completed within 30 days of pipeline completion, unless otherwise agreed to in writing by the City.

F. Storm Water Pollution Prevention Requirements

1. Adhere to submitted project SWPPP prepared by Kaz & Associates, LLC titled "Transmission Mains for Monterey Peninsula Water Supply Project (TMMPWSP) Transfer Pipeline" prepared July 17, 2019; revised July 29, 2019.
2. Provide drain inlet protection.
   2.1. Drain inlet protection shall not interfere with storm water flows. Contractor is responsible for maintaining drain inlet protection.

2.2. No obstructions to storm drain inlets are permitted during a rain event.
3. Materials management
   3.1. Covering stockpiles, trash and debris.
   3.2. Concrete washout if applicable.
   3.3. Containment of hazardous materials and waste.
   3.4. Drip pans beneath heavy equipment.
4. Sweep daily at a minimum or more frequent as required, to prevent offsite tracking of sediment.
5. Applicant or its contractor shall submit a plan prior to discharge of flush water from pipeline mains.
   5.1. Applicant responsible for securing necessary permission from Monterey Regional Water Pollution Control Agency for discharge to the sanitary sewer system.
6. No discharge to the storm drain system without prior written approval by the City of Seaside
   6.1. Develop and submit a plan demonstrating removal of chlorine, sediment, or other pollutants as identified by the City prior to discharge to the storm drain system.
7. At the direction of the city inspector, video inspection of storm drains will be conducted when significant leak has occurred causing sediment to discharge to the storm drain system. Hydro flushing of the system will be required to remove sediment created by water main leaks.
   7.1. Provide information requested by city inspector, to include but not limited to: date, time and duration of leak, how much water discharged to the storm drain system, quantity of storm drain system flushing collected, summary of other clean up measures and description of cause, if known, and corrective actions to prevent repeat of water main failure.

G. Cleanup

1. Cleanup shall occur at the end of each day, including vacuuming if necessary. All construction tools, equipment, trash, debris, spoils and materials shall be removed from the area or otherwise secured within 10 feet of the face of curb within the work zone in a manner that will not impede traffic.
2. Stock piling of materials and equipment within the public right of way outside of the work zone will not be allowed
3. Boring operations will require vacuum equipment to clean up mud and/or slurry.
   3.1. Storm water protection devices shall be utilized to prevent mud from entering the storm drains. Contractor responsible for maintaining storm water protection devices to prevent flooding.

G. Supervision

1. City of Seaside shall be provided a copy of daily reports, as requested by inspector.
2. Each crew shall have a responsible and competent foreman present during construction who shall exercise strict supervision over the crew.
3. Workers shall not use private property for any reason. Adequate water and toilet facilities shall be provided. Workers shall be courteous, considerate and conduct themselves professionally.
4. Workers shall wear shirts or tags that clearly identify their company's name.

H. Permit Duration & Working Hours

1. This permit is valid for 90 calendar days. All construction and pavement restoration shall be completed within 90 calendar days from the date the applicant provides notice in writing to the City.
   1.1. The City Engineer may extend the duration of the permit for weather delays or reasonable unforeseen conditions.
   1.2. Applicant shall submit in writing a request for permit extension a minimum of 14 days prior to expiration.

2. Working hours along General Jim Moore Boulevard are Monday through Friday, 9 AM to 7 PM when Seaside Middle School is in session, and 7 AM to 5 PM when school is not in session, or as approved in writing by the City Engineer.
3. Working hours along Lightfighter Drive are Monday through Friday, 7 AM to 5 PM or as approved in writing by the City Engineer.
4. City may perform inspections on backfill and paving and general road reconstruction work throughout the project.
5. Work may be suspended during significant regional events including:
   5.1. Major Tournaments and events held at Bayonet & Blackhorse golf course. Contractor is responsible for checking with golf course for event schedule.
6. No work may occur in the street on Saturday, Sunday or holidays or as approved in writing by the City Engineer.

Summary of Engineering Standards
City of Seaside: S-101, S-102, S-600, S-601,

FORA
Fort Ord Reuse Authority

Laura Vidaurri <laura@fora.org>

Update: CalAm Amendment to ROE

Spill, Chris <Chris.Spill@arcadis.com> Wed, Sep 18, 2019 at 10:24 AM
To: Laura Vidaurri <laura@fora.org>
Cc: "Michael A. Houlemard, Jr." <michael@fora.org>, "Handley, Noel" <Noel.Handley@arcadis.com>

Laura,

Thanks for discussing the Cal Am request for a material laydown/staging area this morning.

Since the area is only being used for construction material staging/laydown and there will be no disturbed soil stockpiling or ground-disturbing activities within the staging/laydown area, the request is consistent with the approved On-Call Construction Support Plan.

Let me know if you have any questions.

Thanks

[Quoted text hidden]

FORA
Fort Ord Reuse Authority

Laura Vidaurri <laura@fora.org>

RE: [Non-DoD Source] MPWMD/CalAM Request to Amend Existing ROE (Laydown Yard/Staging Area) (UNCLASSIFIED)

Collins, William K CIV USARMY HQDA ACSIM (USA) <william.k.collins.civ@mail.mil> Wed, Sep 18, 2019 at 2:42 PM
To: Laura Vidaurri <laura@fora.org>, Maeve Clancy <clancy.maeve@epa.gov>, "Min H. Wu" <Min.Wu@dtsc.ca.gov>, Noel Schrum <Noel.Shrum@dtsc.ca.gov>
Cc: "Michael A. Houlemard, Jr." <michael@fora.org>

CLASSIFICATION: UNCLASSIFIED

Laura: Thank you for coordinating this change of use. I do not have any concerns in amending the ROE to allow the use of a small portion of Eucalyptus Road as a "Laydown Yard/Staging Area" as it does not conflict with the existing LUCIP OMP.

Bill

William K. Collins
Environmental Coordinator
Fort Ord BRAC Field Office
PH: (831) 242-7920
FAX: (831) 393-9188

-----Original Message-----
From: Laura Vidaurri [mailto:laura@fora.org]
Sent: Wednesday, September 18, 2019 1:15 PM
To: Maeve Clancy <clancy.maeve@epa.gov>; Min H. Wu <Min.Wu@dtsc.ca.gov>; Noel Schrum <Noel.Shrum@dtsc.ca.gov>; Collins, William K CIV USARMY HQDA ACSIM (USA) <william.k.collins.civ@mail.mil>
Cc: Michael A. Houlemard, Jr. <michael@fora.org>
Subject: [Non-DoD Source] MPWMD/CalAM Request to Amend Existing ROE (Laydown Yard/Staging Area)

We received a Monterey Peninsula Water Management District (MPWMD) request earlier this week, about using the area highlighted in the attached .pdf as a material laydown/staging area. This would take place during their work on the CalAm Monterey Peninsula Water Supply Project - Transfer Pipeline (which commenced this week).

The MPWMD contractor (Garney) proposes to use the area for staging trench shields, steel plates and water pipe in the proposed area. They will stage these materials for approximately 3 weeks.

After requesting to use and access FORA ESCA property last year, MPWMD was granted an ROE on July 13, 2018. The existing ROE did not include the proposed laydown yard/staging area. We are working on amending the existing ROE to accommodate this laydown yard/staging area.

Under the proposed amendment:

1. CalAm will maintain access for the traffic that passes through the gate shown on the map.
2. There will be no ground-disturbing activities and no soil will be moved.

3. Staging will occur only on paved roads.
4. The gate will remain locked at all times when not in use.
5. Protocols will be in place to assure security as set forth in the amendment.
6. All other requirements and conditions will apply as referenced in the existing ROE.

I am contacting you today to notify you that the ESCA team reviewed an updated map of the project limits. Since the area is only being used for construction material laydown activities (and there will be no disturbed soil stockpiling or ground-disturbing activities within the staging/laydown area), we believe this request is consistent with the footprint of the On-Call Construction Support Plan approved for this project in 2018.

Please contact me if there is an issue with processing this amendment of the proposed laydown yard/staging area location.

<https://docs.google.com/uc?export=download&id=1mLXqmn0cJ3hx_TLVHLaZil4-uA_q_IhN&revid=0BxbqtWbmGBuDWDA5Y3lSRkk3eVpJTWFDN3AvdkJLL0NTNmVzPQ>

Laura Vidaurri

ESCA Program Coordinator

920 2nd Avenue, Suite A

Marina, CA 93933

(831) 883-3672 office

(831) 883-3675 fax

CLASSIFICATION: UNCLASSIFIED

FORA
Fort Ord Reuse Authority

Laura Vidaurri <laura@fora.org>

MPWMD/CalAM Request to Amend Existing ROE (Laydown Yard/Staging Area)

Clancy, Maeve <Clancy.Maeve@epa.gov> Wed, Sep 18, 2019 at 2:37 PM
To: Laura Vidaurri <laura@fora.org>, "Min H. Wu" <Min.Wu@dtsc.ca.gov>, Noel Schrum <Noel.Shrum@dtsc.ca.gov>, "William K. Collins" <william.k.collins@us.army.mil>
Cc: "Michael A. Houlemard, Jr." <michael@fora.org>

Hi Laura,

Given that the requested area is paved, plus the conditions of the proposed amendment, I do not have any concerns with updating the ROE to allow this use.

Thank you for keeping us informed!

Maeve Clancy

EPA Region 9

Remedial Project Manager

Superfund and Emergency Management Division

415-947-4105, clancy.maeve@epa.gov

From: Laura Vidaurri <laura@fora.org>
Sent: Wednesday, September 18, 2019 1:15 PM
To: Clancy, Maeve <Clancy.Maeve@epa.gov>; Min H. Wu <Min.Wu@dtsc.ca.gov>; Noel Schrum <Noel.Shrum@dtsc.ca.gov>; William K. Collins <william.k.collins@us.army.mil>
Cc: Michael A. Houlemard, Jr. <michael@fora.org>
Subject: MPWMD/CalAM Request to Amend Existing ROE (Laydown Yard/Staging Area)

We received a Monterey Peninsula Water Management District (MPWMD) request earlier this week, about using the area highlighted in the attached .pdf as a material laydown/staging area. This would take place during their work on the CalAm Monterey Peninsula Water Supply Project - Transfer Pipeline (which commenced this week).

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Under the proposed amendment:

1. CalAm will maintain access for the traffic that passes through the gate shown on the map.
2. There will be no ground-disturbing activities and no soil will be moved.
3. Staging will occur only on paved roads.
4. The gate will remain locked at all times when not in use.
5. Protocols will be in place to assure security as set forth in the amendment.
6. All other requirements and conditions will apply as referenced in the existing ROE.

I am contacting you today to notify you that the ESCA team reviewed an updated map of the project limits. Since the area is only being used for construction material laydown activities (and there will be no disturbed soil stockpiling or ground-disturbing activities within the staging/laydown area), we believe this request is consistent with the footprint of the On-Call Construction Support Plan approved for this project in 2018.

Please contact me if there is an issue with processing this amendment of the proposed laydown yard/staging area location.

[Quoted text hidden]

FORA
Fort Ord Reuse Authority

Laura Vidaurri <laura@fora.org>

MPWMD/CalAM Request to Amend Existing ROE (Laydown Yard/Staging Area)

Wu, Min@DTSC <Min.Wu@dtsc.ca.gov> Wed, Sep 18, 2019 at 4:32 PM
To: Laura Vidaurri <laura@fora.org>
Cc: "Racca, Roman@DTSC" <Roman.Racca@dtsc.ca.gov>, "Shrum, Noel@DTSC" <Noel.Shrum@dtsc.ca.gov>

Laura,

Roman Racca just discussed with me that DTSC concurs with the MPWMD/CalAM Request to Amend Existing ROE (Laydown Yard/Staging Area).

Min

[Quoted text hidden]

APPENDIX B
CPUC Inspection Logs

ESA Biological Resources

550 Kearny Street
Suite 800
San Francisco, CA 94108
415.896.5900 main phone

www.esassoc.com

Monterey Peninsula Water Supply Project (MPSWP)

Daily Monitoring Log

Date: 09/26/2019 **Time:** 09:45 – 11:30

Report Code: MPWSP_20190926_sd

Project Site: Treated Water Pipeline within City of Seaside Roadways

Compliance Level:

Acceptable ☒ Level 0: Unanticipated Event ☐ Level 1: Minor Incident ☐
Level 2: Moderate Incident ☐ Level 3: Major Incident ☐

Compliance Advisory or Non-Compliance form attached Yes ☐ No ☒

Photo Documentation Yes ☒ No ☐

Type of Monitoring:

Full-time ☐ Spot-check ☒ SWPPP inspection ☐
Biological ☒ Re-inspection ☐

Construction Activity(s) Being Monitored:

- Garney Construction digging trench, installing trench plates and shoring, and installing pipe on General Jim Moore Blvd.
- Leftover spoils from trenching activities off-hauled to designated spoils location accessed from Mescal Street at the end of day.

General Summary of Mitigation Compliance and Site Conditions:

- CalAm monitors onsite.
- Spoils are now temporarily being stored near pit in median of General Jim Moore Blvd. Spoils are used for backfilling by the end of each work day and any leftover spoils or off-hauled to designated spoils storage area on Mescal street. Spoils are distributed within designated area by Garney Construction using a dozer. Monitors on Mescal Street site during any work.
- Garney Construction refueling vehicles in General Jim Moore Blvd. median at least 50ft away from native habitats.
- Monofilament encased straw wattle observed (unopened) on September 19, 2019 has been removed from site.
- Trucks covering spoils during transportation to off-hauling site as required by MMRP Impact Mitigation Measure 4.10-1C.

ESA Biological Resources

550 Kearny Street
Suite 800
San Francisco, CA 94108
415.896.5900 main phone

www.esassoc.com

Sharon Dulava
ESA Monitor

09/26/2019
Date

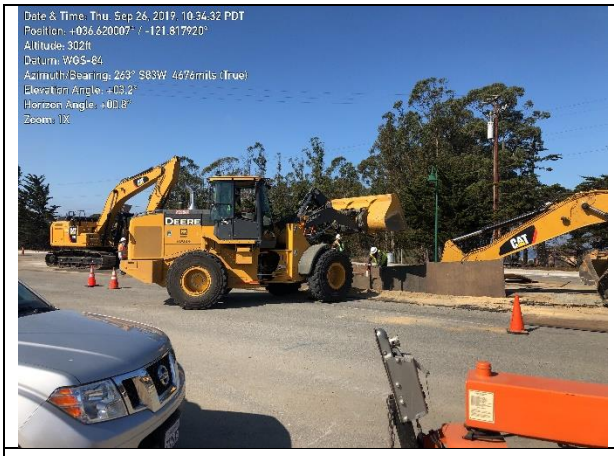	
Photo 1. Pipeline installation	Photo 2. Pipeline storage along General Jim Moore Blvd. Sensitive habitats and plants marked with pin flags
	
Photo 3. Temporary spoils pile	Photo 4. Offsite spoils site (between Mescal St. and General Jim Moore Blvd.)