



**California Department of Fish and Wildlife
Central Region
1234 EAST SHAW AVENUE
FRESNO, CALIFORNIA 93710**

California Endangered Species Act
Incidental Take Permit No. 2081-2022-050-04

SPRINGFIELD WATER SYSTEM IMPROVEMENTS PROJECT

I. Authority:

This California Endangered Species Act (CESA) incidental take permit (ITP) is issued by the California Department of Fish and Wildlife (CDFW) pursuant to Fish and Game Code section 2081, subdivisions (b) and (c), and California Code of Regulations, Title 14, section 783.0 et seq. CESA prohibits the take¹ of any species of wildlife designated by the California Fish and Game Commission as an endangered, threatened, or candidate species.² However, CDFW may authorize the take of any such species by permit pursuant to the conditions set forth in Fish and Game Code section 2081, subdivisions (b) and (c). (See Cal. Code Regs., tit. 14, § 783.4.)

| | |
|---------------------------|---|
| Permittee: | Pajaro/Sunny Mesa Community Services District |
| Principal Officer: | Judy Vazquez, General Manager |
| Contact Person: | Judy Vazquez, (831) 722-1389 |
| Mailing Address: | 136 San Juan Road Royal Oaks, California 95076 |

II. Effective Date and Expiration Date of this ITP:

This ITP is effective as of the date signed by CDFW below. Unless renewed by CDFW, this ITP and its authorization to take the Covered Species shall expire on **December 31, 2027**.

Notwithstanding the expiration date on the take authorization provided by this ITP, Permittee's obligations pursuant to this ITP do not end until CDFW accepts as complete the Permittee's Final Mitigation Report required by the Condition of Approval Final Mitigation Report of this ITP.

¹Pursuant to Fish and Game Code section 86, "'take' means hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill." (See also *Environmental Protection Information Center v. California Department of Forestry and Fire Protection* (2008) 44 Cal.4th 459, 507 [for purposes of incidental take permitting under Fish and Game Code section 2081, subdivision (b), "'take' ... means to catch, capture or kill".])

²The definition of an endangered, threatened, and candidate species for purposes of CESA are found in Fish and Game Code sections 2062, 2067, and 2068, respectively.

III. Project Location:

The Springfield Water System Improvements Project (Project) is located approximately 2 miles north of the community of Moss Landing in unincorporated northern Monterey County (Figure 1). Within the Public Land Survey System, the Project is in Township 12S, Section 32, Range 2E and Township 13S, Section 5, Range 2E. The northeastern coordinates are 36.838117, -121.768511 and the southeastern coordinates are 36.831022, -121.771433. The northwestern coordinates are 36.838231, -121.780072 and the southwestern coordinates are 36.830908, -121.779322.

The Project is located primarily within the existing right-of-way of dirt and paved roads within Springfield Road, Struve Road, the Moss Landing Mobile Home Park, and within agricultural land (Figures 2a and 2b). In addition, portions of the Project are located at the former site of Moss Landing Middle School east of Highway 1, and is bounded by McClusky Slough to the west, Bennet Slough and Elkhorn Slough to the south, and Elkhorn Slough to the east.

IV. Project Description:

The Project involves the expansion and enhancement of the Springfield Water System and will include the development of a new source of potable water supply; storage, treatment, and pumping facilities; and distribution system improvements. The Project components include improvements to the existing "SW-2" well site at the Moss Landing Middle School (hereafter, "Well Site"), a new distribution pipeline, a replacement distribution pipeline, and other connection improvements (Figure 3).

The Project pipelines will serve connections on Struve Road that are part of the existing Springfield Water System, as well as new residences on Springfield Road and Struve Road. The pipelines will also consist of a connection to the Moss Landing Mobile Home Park, which includes 105 mobile home sites. In total, approximately 2.4 linear miles of 8-inch water line will be installed.

Well Site

The 0.31-acre Well Site will be developed as a new municipal site (Figure 4). Project activities at the Well Site include clearing; staging; stockpiling; excavating; grading; paving; installation of a submersible well pump, piping, valves, and appurtenances; electrical and communication improvements; installation of chlorination facilities; construction of two 110,000-gallon bolted steel water storage tanks; construction of an infiltration basin; installation of a permanent back-up generator; installation of a booster pump station including a hydropneumatics tank and four pumps; construction of a building to house equipment; and fencing and security improvements.

Construction at the Well Site is anticipated to occur as follows:

- 1) Rough grading for the infiltration basin.
- 2) Excavation and installation of the pump station pump cans at a depth of approximately 17 feet.

- 3) Installation of site piping and foundations for hydropneumatics tank, storage tanks, building, and pump station.
- 4) Construction of the storage tanks, building, and hydropneumatics tank, and installation of above-grade piping.
- 5) Installation of site electrical.
- 6) Site paving and miscellaneous improvements.

In total, construction activities at the Well Site will result in the permanent disturbance of 0.31 acres for infrastructure improvements. Of the 0.31 acres that will be permanently disturbed, 0.02 acres are paved, and 0.29 acres are non-native grassland (Figure 2a).

Distribution Pipeline

New distribution pipeline

Approximately 10,700 linear feet of 8-inch water line will be constructed as part of the new distribution pipeline. The new distribution system piping will include valves, fire hydrants, air release valves, blow-offs, sampling stations, and other appurtenances. The new distribution system piping will be installed primarily by the open trench method with trench dimensions of approximately 2 feet wide and between 4 to 9 feet deep.

Distribution piping across Highway 1 will be installed with a steel casing by the jack and bore method along approximately 180 linear feet. The jacking pit will be approximately 40 feet by 15 feet, located on the east side of Highway 1 within Springfield Road, and the receiving pit will be approximately 35 feet by 15 feet, located on the west side of Highway 1 within Springfield Road.

Replacement of existing pipeline

Approximately 2,000 linear feet of existing distribution system piping will be replaced along Struve Road. Replacement of existing distribution system piping will be performed using the open trench method with the same trench dimensions as the new distribution piping described above.

Water service laterals

New water service laterals will be installed for several residences along Springfield Road and the Springfield-Struve Intertie. Existing water service laterals will be replaced for each residence along Struve Road and within the Moss Landing Mobile Home Park. The laterals will be installed after the distribution pipeline has been installed, pressure tested, and disinfected. Many of the laterals will be installed using trenchless methods, however, some of the lateral installations will require a narrow trench, approximately 1 foot wide and 2 feet deep.

Where pavement is present in areas outside of the County right-of-way, 12 inches of pavement surface repair will occur on either side of the trench. Within the County right-of-way (Springfield Road and Struve Road), the full width of the paved roadway will receive a 2-inch pavement overlay. In total, approximately 2.63 acres of currently paved areas will be repaved.

Project activities associated with the installation of the distribution pipeline and water service laterals include staging; removing, hauling, and stockpiling pavement; excavating, hauling, and stockpiling soils; pipeline installation; backfilling trenches; and repaving.

Construction of the distribution pipeline and water service laterals will occur as follows:

- 1) Existing pavement (where present) will be saw cut at edges of trench.
- 2) Pavement will be removed and hauled off-site. Alternatively, pavement may be temporarily stockpiled within a designated staging area.
- 3) The pipeline trench will be excavated. Soils unsuitable for trench backfill will be hauled off-site, and soils suitable for trench backfill will be stockpiled for reuse.
 - Depending on the location along the pipeline alignment, the stockpiled soils may be stored adjacent to the trench, such as along the agricultural fields access road. If stockpiling adjacent to the trench is not feasible due to access limitations, soil will be hauled to a separate stockpile location either at the Well Site, or a designated staging area.
- 4) Bedding material will be placed within the trench, followed by the pipe, then backfilled with imported sand bedding, and imported fill or suitable native fill.
 - No more than 100 feet of trench are anticipated to be exposed at any given time. Based on the rate of installation, trenches would generally be open for less than one day except over weekends and holidays, or at tie-in points which could be open for up to one month. Trenches and tie-in points that are not backfilled by the end of the day will be covered with plates.
- 5) The distribution pipeline will be pressure tested and disinfected.
- 6) The water service laterals will be installed/replaced using either the trenching method described above, or a trenchless method. The laterals will then be pressure tested and disinfected. Pavement and all other areas affected by trenching for laterals will be replaced or restored in kind to match the existing condition.
- 7) Prior to final repaving of existing paved roadways, the contractor will saw cut and grind a wider "T" section to repair the trench. Within the County right-of-way, the full width of the paved roadway will receive a 2-inch pavement overlay.

In total, construction activities associated with the distribution pipeline and water service laterals will result in the temporary disturbance of 6.20 acres for access, trenching, stockpiling, and repaving of currently paved areas. Of the 6.20 acres that will be temporarily disturbed, 4.94 acres are paved roadways and developed residential areas; 0.80 acres are disturbed/ruderal areas including dirt roads, road shoulders, landscaped areas, and other disturbed areas; and 0.46 acres are active agricultural areas including row crops and dirt access roads (Figures 2a and 2b).

Project Construction

Construction is anticipated to last approximately 18 months, and will typically occur from 7 a.m. to 5 p.m., Monday through Friday. Specifically, construction of the distribution pipeline will be completed between May 1 and October 31. Approximately 100 to 200 feet or more of

distribution pipeline could be completed per day, and approximately one to three water service laterals may be installed per day.

Following construction, a hydroseed mix will be applied to approximately 0.11 acres of ruderal areas along the Springfield-Struve Intertie and within the jacking pit on Springfield Road, west of Highway 1. The hydroseed mix will contain only locally occurring native plant species. All other areas identified as disturbed/ruderal along the distribution pipeline are edges of iceplant mats or are currently denuded of vegetation due to their use as dirt roads/parking associated with adjacent agricultural and residential uses. Due to the existing condition and ongoing use of these areas, hydroseed is not proposed for the remainder of the alignment.

Access, Staging, and Equipment

Access to the Project is provided via Highway 1 to Springfield Road east of Highway 1 to access the Well Site. West of Highway 1, construction vehicles will use either Springfield Road or Struve Road to access the Project areas.

The Well Site may initially be used for staging and materials storage for the distribution pipeline installation, as construction at the Well Site is not anticipated to occur until approximately six to nine months after the start of pipeline construction. Staging may also occur within a 0.71-acre portion and a 0.24-acre portion of developed areas within the former Moss Landing Middle School site (Figure 2a).

Best Management Practices may include stabilized construction entrances, silt fencing, inlet protection for stormwater, check dams, sediment traps, hydroseeding, and street sweeping.

Equipment used for construction may include standard heavy equipment such as tracked excavator, backhoe, water truck, concrete trucks, dump trucks, flat-bed delivery trucks, vibratory compactors, asphalt paving equipment, and trenching equipment. The exact equipment to be used is dependent on the final Project design and may be substituted based on availability at the time of construction, but substituted equipment will be of similar size and specification.

V. Covered Species Subject to Take Authorization Provided by this ITP:

This ITP covers the following species:

| <u>Name</u> | <u>CESA Status</u> ³ |
|---|---------------------------------|
| 1. California tiger salamander (<i>Ambystoma californiense</i>) | Threatened ⁴ |

This species and only this species is the “Covered Species” for the purposes of this ITP.

³ Under CESA, a species may be on the list of endangered species, the list of threatened species, or the list of candidate species.

⁴See Cal. Code Regs. tit. 14 § 670.5, subd. (b)(3)(G).

VI. Impacts of the Taking on Covered Species:

Project activities and their resulting impacts are expected to result in the incidental take of individuals of the Covered Species. The activities described above expected to result in incidental take of individuals of the Covered Species within the Well Site include Project-related vehicle traffic; clearing; materials and equipment staging and laydown; stockpiling; excavating; grading; paving; installation of a submersible well pump, piping, valves, and appurtenances; electrical and communication improvements; installation of chlorination facilities; construction of water storage tanks; construction of an infiltration basin; installation of a permanent back-up generator; installation of a booster pump station including a hydropneumatics tank and pumps; construction of a building; fencing and security improvements; and other related activities described in the Project Description of this ITP. The activities described above expected to result in incidental take of individuals of the Covered Species during the installation of the distribution pipeline and water service laterals include Project-related vehicle traffic; removing, hauling, and stockpiling pavement; excavating, hauling, and stockpiling soils; pipeline installation; backfilling trenches; materials and equipment staging and laydown; repaving; and other related activities described in the Project Description section of this ITP. Collectively, these activities are referred to as "Covered Activities."

Incidental take of individuals of the Covered Species in the form of mortality ("kill") may occur as a result of Covered Activities such as construction vehicle/equipment strikes; burrow collapse associated with clearing, grubbing, grading, excavating, and trenching; crushing or suffocation by heavy equipment or laydown of equipment and materials; entombment from deposition of soil over occupied burrows; and entrapment and desiccation within trenches, open pipelines, and uncovered excavations. Incidental take of individuals of the Covered Species may also occur from the Covered Activities in the form of pursue, catch, capture, or attempt to do so of the Covered Species from uncovering through the excavation of burrow systems, corralling into a confined area when barrier fencing is erected around the Project site, and when individuals of the Covered Species are salvaged, collected, and relocated or translocated out of harm's way as required by this ITP. Take of Covered species is only authorized and expected to occur in the Project site and only as a result of Covered Activities. The areas where authorized take of the Covered Species is expected to occur include: the 0.31-acre permanent impact area associated with construction at the Well Site; the 6.20-acre temporary impact areas associated with the distribution pipeline and water service laterals; and the 0.71-acre and 0.24-acre temporary impact areas associated with staging at the former Moss Landing Middle School (collectively, the "Project Area").

The entire Project Area is expected to be within the dispersal distance of the Covered Species. California Natural Diversity Database (CNDDDB) Occurrence # 256 of the Covered Species overlaps the majority of the Project Area, as well as McClusky Slough and Bennett Slough which are adjacent to the Project Area. CNDDDB Occurrence # 824 of the Covered Species is located 1.4 kilometers north of the Project Area where up to seven adults were observed near an agricultural pond in 2008. Additionally, in 2021, Covered Species larvae were observed in a pond located southeast of the Project Area within a distance of 1.2 kilometers of the Well Site.

The Project is expected to cause the permanent loss of 0.29 acres of non-native grassland that provides upland dispersal and refugia habitat for the Covered Species; the temporary loss of 0.80 acres of disturbed/ruderal areas that provide upland dispersal and refugia habitat for the Covered Species; the temporary loss of 0.46 acres of active agricultural areas that provide upland dispersal habitat and may provide refugia habitat for the Covered Species; and 5.91 acres of paved roadways and developed areas that may be traversed by the Covered Species.

The non-native grassland area was previously disturbed by human activities associated with playing fields at the former Moss Landing Middle School and is now dominated by non-native annual grass species. The disturbed/ruderal areas are subject to ongoing disturbance by human activities and are either devoid of vegetation or dominated by non-native and/or invasive weed species. Disturbed/ruderal areas include dirt roads, road shoulders, landscaped areas, and other disturbed areas. The non-native grassland and disturbed/ruderal areas provide refugia for the Covered Species where small mammal burrows are present. Active agricultural areas, which consist of row crops and dirt access roads, may also provide refugia for the Covered Species; however, these areas are regularly disturbed and maintained which limits refugia for the Covered Species. While the Covered Species may disperse across paved roadways and developed areas, these areas lack refugia and pose a higher risk for predation and desiccation. Aquatic breeding habitat is not present within the Project Area. The closest potential breeding habitat for the Covered Species is an agricultural pond located approximately 25 feet north of the Project Area on Springfield Road. However, the probability of Covered Species breeding within this agricultural pond is low because the surrounding uplands consist of paved roadways, developed residential areas, and active agricultural areas that are regularly disturbed and maintained, which limits necessary refugia for the Covered Species. Installation of the distribution pipeline near the agricultural pond will occur during the dry season (May 1 – October 31).

Impacts of the authorized taking also include adverse impacts to the Covered Species related to temporal losses, increased habitat fragmentation and edge effects, and the Project's incremental contribution to cumulative impacts (indirect impacts). These impacts include introduction or spread of invasive species; increased risk of exposure and desiccation along wildlife exclusion fencing; stress resulting from noise, vibrations, capture, and relocation; displacement from preferred habitat; loss of burrowing habitat used for shelter and cover; increased competition for food and space; and increased vulnerability to predation. In addition, individuals displaced due to habitat loss and degradation may be unable to survive in adjacent areas if these areas are at carrying capacity or are unsuitable for colonization.

VII. Incidental Take Authorization of Covered Species:

This ITP authorizes incidental take of the Covered Species and only the Covered Species. With respect to incidental take of the Covered Species, CDFW authorizes the Permittee, its employees, contractors, and agents to take Covered Species incidentally in carrying out the Covered Activities, subject to the limitations described in this section and the Conditions of Approval identified below. This ITP does not authorize take of Covered Species from activities outside the scope of the Covered Activities, take of Covered Species outside of the

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Project Area, take of Covered Species resulting from violation of this ITP, or intentional take of Covered Species except for capture and relocation of Covered Species as authorized by this ITP.

VIII. Conditions of Approval:

Unless specified otherwise, the following measures apply to all Covered Activities within the Project Area, including areas used for vehicular ingress and egress, staging and parking, and noise and vibration generating activities that may/will cause take. CDFW's issuance of this ITP and Permittee's authorization to take the Covered Species are subject to Permittee's compliance with and implementation of the following Conditions of Approval:

- 1. Legal Compliance:** Permittee shall comply with all applicable federal, State, and local laws in existence on the effective date of this ITP or adopted thereafter.
- 2. California Environmental Quality Act (CEQA) Compliance:** Permittee shall implement and adhere to the mitigation measures related to the Covered Species in the Biological Resources section of the Initial Study/Mitigated Negative Declaration for Springfield Water System Improvements Project (SCH No.: 2020080200) adopted by Pajaro/Sunny Mesa Community Services District on October 22, 2020, as lead agency for the Project pursuant to CEQA (Pub. Resources Code, § 21000 et seq.).
- 3. Endangered Species Act (ESA) Compliance:** Permittee shall implement and adhere to the terms and conditions related to the Covered Species in the Biological Opinion of Springfield Water System Improvements Project, Monterey County, California (20230056610-S7-001) for the Project pursuant to the Federal ESA. For purposes of this ITP, where the terms and conditions for the Covered Species in the federal authorization are less protective of the Covered Species or otherwise conflict with this ITP, the conditions of approval set forth in this ITP shall control.
- 4. ITP Time Frame Compliance:** Permittee shall fully implement and adhere to the conditions of this ITP within the time frames set forth below and as set forth in the Mitigation Monitoring and Reporting Program (MMRP), which is included as Attachment 1 to this ITP.
- 5. General Provisions:**
 - 5.1. Designated Representative.** Before starting Covered Activities, Permittee shall designate a representative (Designated Representative) responsible for communications with CDFW and overseeing compliance with this ITP. Permittee shall notify CDFW in writing before starting Covered Activities of the Designated Representative's name, business address, and contact information, and shall notify CDFW in writing if a substitute Designated Representative is selected or identified at any time during the term of this ITP.
 - 5.2. Designated Biologist(s) and/or Designated Monitor(s).** Permittee shall submit to CDFW in writing the name, qualifications, business address, contact information,

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and references with contact information of Designated Biologist(s) and Designated Monitor(s) using the Biologist Resume Form (Attachment 2) or another format containing the same information. This information shall be submitted for CDFW review and approval at least 30 days before starting Covered Activities. Permittee shall ensure that the Designated Biologist(s) and Designated Monitor(s) are knowledgeable and experienced in the biology and natural history of the Covered Species; collecting and handling of the Covered Species; excavating burrows/crevices to minimize mortality of the Covered Species; and monitoring construction activities following the Conditions of Approval of an ITP for the Covered Species. The Designated Biologist(s) and Designated Monitor(s) shall be responsible for monitoring Covered Activities to help minimize and fully mitigate or avoid the incidental take of individual Covered Species and to minimize disturbance of Covered Species' habitat. The Designated Monitor(s) shall assist the Designated Biologist(s) in compliance monitoring under the direction of the Designated Biologist(s). Designated Monitor responsibilities will be restricted to a specific set of Conditions of Approval, specified by the Permittee or Designated Representative at the time their qualifications are submitted for review. Permittee shall obtain CDFW approval of the Designated Biologist(s) and Designated Monitor(s) in writing before starting Covered Activities and shall also obtain approval in advance, in writing, if the Designated Biologist(s) or Designated Monitor(s) must be changed.

- 5.3. Designated Biologist/Designated Monitor Authority.** To ensure compliance with the Conditions of Approval of this ITP, the Designated Biologist(s) and/or Designated Monitor(s) shall be given the authority to immediately stop any activity that does not comply with this ITP and/or order any reasonable measure to avoid the unauthorized take of an individual of the Covered Species. Permittee shall provide unfettered access to the Project Area and otherwise facilitate the Designated Biologist(s) and/or Designated Monitor(s) in the performance of their duties. If the Designated Biologist(s) and/or Designated Monitor(s) are unable to comply with the ITP, then the Designated Biologist(s) and/or Designated Monitor(s) shall notify the CDFW Regional Representative (detailed in the Notices section below) immediately. Permittee shall not enter into any agreement or contract of any kind, including but not limited to non-disclosure agreements and confidentiality agreements, with its contractors and/or the Designated Biologist(s)/Designated Monitor(s) that prohibit or impede open communication with CDFW, including but not limited to providing CDFW staff with the results of any surveys, reports, or studies or notifying CDFW of any non-compliance or take. Failure to notify CDFW of any non-compliance or take or injury of a Covered Species as a result of such agreement or contract may result in CDFW taking actions to prevent or remedy a violation of this ITP.
- 5.4. Education Program.** Permittee shall conduct an education program for all persons employed or otherwise working in the Project Area before they can perform any work within the Project Area. The program shall consist of a presentation from the

Designated Biologist(s) that includes: (1) a discussion of the biology and general behavior of the Covered Species; (2) information about the distribution and habitat needs of the Covered Species; (3) sensitivity of the Covered Species to human activities; (4) its status pursuant to CESA including legal protection, recovery efforts, and penalties for violations; and (5) Project-specific protective measures described in this ITP. Upon completion of the program, employees shall sign a form stating they attended the program and understand all protection measures. The same instruction shall be provided to any new workers before they are authorized to perform work in the Project Area. Permittee shall prepare and distribute wallet-sized cards or a fact sheet handout containing this information for workers to carry in the Project Area. Permittee shall provide interpretation and translation services for non-English speaking workers. This training shall be repeated at least once annually for long-term and/or permanent employees that will be conducting work in the Project Area.

- 5.5. Construction Monitoring Documentation. The Designated Biologist(s) and Designated Monitor(s) shall maintain construction-monitoring documentation on-site in either hard copy or digital format throughout the construction period, which shall include a copy of this ITP with attachments and a list of signatures of all personnel who have successfully completed the education program. Permittee shall ensure a copy of the construction-monitoring documentation is available for review at the Project Area upon request by CDFW.
- 5.6. Trash Abatement. Permittee shall initiate a trash abatement program before starting Covered Activities and shall continue the program for the duration of the Project. Permittee shall ensure that trash and food items are contained in animal-proof containers and removed, ideally at daily intervals but at least once a week, to avoid attracting opportunistic predators such as ravens, coyotes, and feral dogs.
- 5.7. Dust Control. Permittee shall implement dust control measures during Covered Activities to facilitate visibility for monitoring of the Covered Species by the Designated Biologist(s) and/or Designated Monitor(s). Permittee shall keep the amount of water used to the minimum amount needed and shall not allow water to form puddles.
- 5.8. Erosion Control Materials. Permittee shall prohibit use of erosion control materials potentially harmful to Covered Species and other species, such as plastic monofilament netting (erosion control matting) or similar material, in potential Covered Species' habitat.
- 5.9. Delineation of Property Boundaries. Before starting Covered Activities along each part of the route within the Project Area, Permittee shall clearly delineate the boundaries of the Project Area with fencing, stakes, or flags. Permittee shall restrict all Covered Activities to within the fenced, staked, or flagged areas. Permittee shall

maintain all fencing, stakes, and flags until the completion of Covered Activities in that area.

- 5.10. Delineation of Habitat.** Before starting Covered Activities along each part of the route within the Project Area, Permittee shall clearly delineate habitat of the Covered Species within the Project Area with posted signs, posting stakes, flags, and/or rope or cord, and place fencing as necessary to minimize the disturbance of Covered Species' habitat. Permittee shall maintain all signs, stakes, flags, rope, cord, and/or fencing until the completion of Covered Activities in that area.
- 5.11. Project Access.** Project-related personnel shall access the Project Area using existing routes and shall not cross Covered Species' habitat outside of or en route to the Project Area. Permittee shall restrict Project-related vehicle traffic to established roads, staging, and parking areas. Permittee shall ensure that vehicle speeds do not exceed 20 miles per hour to avoid Covered Species on or traversing the roads. If Permittee determines construction of routes for travel are necessary outside of the Project Area, the Designated Representative shall contact CDFW for written approval before carrying out such an activity. CDFW may require an amendment to this ITP, among other reasons, if additional take of Covered Species will occur as a result of the Project modification.
- 5.12. Staging Areas.** Permittee shall confine all Project-related parking, storage areas, laydown sites, equipment storage, and any other surface-disturbing activities to the Project Area using, to the extent possible, previously disturbed areas. Additionally, Permittee shall not use or cross Covered Species' habitat outside of the marked Project Area unless provided for as described in Project Access.
- 5.13. Hazardous Waste.** Permittee shall immediately stop and, pursuant to pertinent State and federal statutes and regulations, arrange for repair and clean up by qualified individuals of any fuel or hazardous waste leaks or spills at the time of occurrence, or as soon as it is safe to do so. Permittee shall exclude the storage and handling of hazardous materials from the Project Area and shall properly contain and dispose of any unused or leftover hazardous products off-site.
- 5.14. CDFW Access.** Permittee shall provide CDFW staff with reasonable access to the Project Area and shall otherwise fully cooperate with CDFW efforts to verify compliance with or effectiveness of mitigation measures set forth in this ITP.
- 5.15. Refuse Removal.** Upon completion of Covered Activities, Permittee shall remove from the Project Area and properly dispose of all temporary fill and construction refuse, including, but not limited to, broken equipment parts, wrapping material, cords, cables, wire, rope, strapping, twine, buckets, metal or plastic containers, and boxes.

6. Monitoring, Notification, and Reporting Provisions:

- 6.1. Notification Before Commencement. The Designated Representative shall notify CDFW 14 calendar days before starting Covered Activities and shall document compliance with all pre-Project Conditions of Approval before starting Covered Activities.
- 6.2. Notification of Non-compliance. The Designated Representative and/or Designated Biologist(s) shall immediately notify CDFW if the Permittee is not in compliance with any Condition of Approval of this ITP, including but not limited to any actual or anticipated failure to implement measures within the time periods indicated in this ITP and/or the MMRP. The Designated Representative and/or the Designated Biologist(s) shall follow notification with a written report to CDFW within 24 hours describing, in detail, any non-compliance with this ITP and suggested measures to remedy the situation.
- 6.3. Geographic Information Systems Data Files. Before starting Covered Activities, the Permittee shall provide CDFW with separate Geographic Information Systems (GIS) data files for the temporary and permanent habitat impact areas authorized under this ITP for the Project Area. If habitat for a Covered Species will be both temporarily and permanently impacted, the Permittee shall provide one set of GIS data files for each impact type. The Permittee shall provide any additional GIS data files for the Project or related Covered Species features within 30 days of CDFW's request. All GIS data files shall be provided in a format acceptable to CDFW.
- 6.4. Compliance Monitoring. The Designated Biologist(s) shall be on-site for the duration of the day during implementation of Conditions of Approval Pre-Activity Clearance Survey and Reporting, Flag Burrows/Crevices, Burrow/Crevice Excavation, and Exclusion Fence Installation. During Covered Activities, the Designated Biologist(s) and/or Designated Monitor(s) shall do the following: within the distribution pipeline and water service lateral areas, conduct daily compliance inspections and monitor Covered Activities for the duration of the day, or for the duration specified in the CDFW-approved Covered Species Mortality Reduction and Relocation Plan; within the Well Site, conduct daily compliance inspections and monitor Covered Activities for the duration of the day until vegetation clearing and grubbing are completed; within the Well Site, conduct at least weekly compliance inspections after vegetation clearing and grubbing are completed; and within the staging areas at the former Moss Landing Middle School, conduct at least weekly compliance inspections. During Covered Activities, the Designated Biologist(s) shall be available to respond to the Project Area within one (1) hour of being contacted to address Covered Species needs and any other issues that may arise during implementation of this ITP. During periods of inactivity, the Designated Biologist(s) shall conduct at least weekly compliance inspections. The Designated Biologist(s) and/or Designated Monitor(s) shall conduct compliance inspections to:
 - (1) minimize incidental take of the Covered Species;

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- (2) prevent unlawful take of species;
- (3) check for compliance with all measures of this ITP;
- (4) check all exclusion zones; and
- (5) ensure that signs, stakes, and fencing are intact, and that Covered Activities are only occurring in the Project Area.

The Designated Representative, Designated Biologist(s), and/or Designated Monitor(s) shall prepare daily written observation and inspection records summarizing oversight activities and compliance inspections, observations of Covered Species, survey results, and monitoring activities required by this ITP.

- 6.5. Record of Covered Species Relocation.** The Designated Biologist(s) shall maintain a record of Covered Species handled and all documented observations of Covered Species. This information shall include for each animal: (1) date, time, and location (Global Positioning System (GPS) coordinates and maps) of observation and/or capture and release, if applicable; (2) the name of the party that identified the Covered Species; (3) circumstances of the incident; (4) the general condition and health, noting all visible conditions including gait and behavior, ectoparasites, injuries, etc.; (5) any diagnostic markings, sex, age (juvenile or adult); (6) actions undertaken; (7) habitat description; and (8) ambient temperature when observed and/or handled and released. The Designated Biologist(s) shall compile this information into a Relocation Summary and include it in the next Quarterly Compliance Report or Annual Status Report, whichever is submitted first relative to the observation. The Designated Biologist(s) shall also submit this information to CDFW's CNDDDB per the Condition of Approval CNDDDB Observations.
- 6.6. Quarterly Compliance Report.** The Designated Representative or the Designated Biologist(s) shall compile the observation and inspection records identified in Conditions of Approval Pre-Activity Clearance Survey and Reporting, Compliance Monitoring, and Record of Covered Species Relocation into a Quarterly Compliance Report and submit it to CDFW along with a copy of the MMRP table with notes showing the current implementation status of each mitigation measure. Quarterly Compliance Reports shall also include, but not be limited to: (1) an accounting of the number of acres that have been permanently and temporarily disturbed by the Project within the Project Area, both for the prior quarter, and the total since ITP issuance, if applicable; (2) the number of acres of ground disturbance anticipated to occur in the Project Area during the coming quarter, if applicable; (3) a summary of all pre-activity clearance surveys and compliance monitoring conducted during the previous quarter; and (4) the activities authorized under the Covered Activities which occurred during the previous quarter. Quarterly Compliance Reports shall be due by January 15, April 15, July 15, and October 15 and shall be submitted via email to the CDFW Regional Representative, as well as the Regional and Headquarters offices listed in the Notices section of this ITP. CDFW may at any time increase the timing and number of compliance inspections

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and reports required under this provision depending upon the results of previous compliance inspections. If CDFW determines the reporting schedule must be changed, CDFW will notify Permittee in writing of the new reporting schedule.

- 6.7. Annual Status Report.** Permittee shall provide CDFW with an Annual Status Report no later than January 31 of every year beginning with issuance of this ITP and continuing until CDFW accepts the Final Mitigation Report identified in the Condition of Approval Final Mitigation Report. Each Annual Status Report shall include, but not be limited to: (1) a summary of all Quarterly Compliance Reports for that year; (2) a general description of the status of the Project Area and Covered Activities, including actual or projected completion dates, if known; (3) a copy of the table in the MMRP with notes showing the current implementation status of each mitigation measure; (4) an assessment of the effectiveness of each completed or partially completed mitigation measure in avoiding, minimizing and mitigating Project impacts; (5) all available information about Project-related incidental take of the Covered Species; and (6) information about other Project impacts on the Covered Species. Annual Status Reports shall be submitted to CDFW following the directions provided in the Condition of Approval Quarterly Compliance Report.
- 6.8. CNDDDB Observations.** The Designated Biologist(s) shall submit all observations of Covered Species to CDFW's CNDDDB within 60 calendar days of the observation and the Designated Biologist(s) shall include copies of the submitted forms with the next Quarterly Compliance Report or Annual Status Report, whichever is submitted first relative to the observation.
- 6.9. Final Mitigation Report.** No later than 45 days after completion of all mitigation measures, Permittee shall provide CDFW with a Final Mitigation Report. The Designated Biologist(s) shall prepare the Final Mitigation Report which shall include, at a minimum: (1) a summary of all Quarterly Compliance Reports and all Annual Status Reports; (2) a copy of the table in the MMRP with notes showing when each of the mitigation measures was implemented; (3) all available information about Project-related incidental take of the Covered Species; (4) information about other Project impacts on the Covered Species; (5) beginning and ending dates of Covered Activities; (6) an assessment of the effectiveness of this ITP's Conditions of Approval in minimizing and fully mitigating Project impacts of the taking on Covered Species; (7) recommendations on how mitigation measures might be changed to more effectively minimize take and mitigate the impacts of future projects on the Covered Species; and (8) any other pertinent information.
- 6.10. Notification of Take or Injury.** Permittee shall immediately notify the Designated Biologist(s) if a Covered Species is taken or injured by a Project-related activity, or if a Covered Species is otherwise found dead or injured within the vicinity of the Project Area. The Designated Biologist(s) or Designated Representative shall

provide initial notification to CDFW by email at R4CESA@wildlife.ca.gov. The initial notification to CDFW shall include information regarding the location and number of animals taken or injured and the ITP number. Following initial notification, Permittee shall send CDFW a written report within two calendar days. The report shall include the date and time of the finding or incident, location of the animal or carcass, an explanation as to cause of take or injury, photographs, if possible, and any other pertinent information.

7. Take Minimization Measures: The following requirements are intended to ensure the minimization of incidental take of Covered Species in the Project Area during Covered Activities. Permittee shall implement and adhere to the following conditions to minimize take of Covered Species:

7.1. Covered Species Mortality Reduction and Relocation Plan. The Designated Biologist(s) shall prepare a Covered Species Mortality Reduction and Relocation Plan and submit it to CDFW for review and approval at least 30 days before starting Covered Activities. The Covered Species Mortality Reduction and Relocation Plan shall include, but not be limited to: (1) a discussion and map of the portion of the Project Area which represents potential upland habitat; (2) identification of the area within (a) 630 meters and (b) 2,092 meters of known or potential breeding habitat for the Covered Species; (3) detailed survey, excavation, capture, handling, and relocation methods; (4) identification of relocation areas; (5) identification of a wildlife rehabilitation center or veterinary facility capable of treating injured wild amphibians; and, if applicable, (6) identification of the areas within the distribution pipeline and/or water service lateral areas in which the Permittee proposes an alternative daily monitoring period, as well as the proposed duration of the alternative daily monitoring period. Covered Activities may not proceed until the Covered Species Mortality Reduction and Relocation Plan is approved in writing by CDFW. Designated Monitors are prohibited from capturing and handling the Covered Species unless specifically approved in writing by CDFW and under the direct supervision of the Designated Biologist(s). Any proposed changes to the CDFW-approved Covered Species Mortality Reduction and Relocation Plan shall be submitted in writing to CDFW and approved by CDFW in writing prior to implementation of any proposed Covered Species Mortality Reduction and Relocation Plan modifications.

7.2. Pre-Activity Clearance Survey and Reporting. The Designated Biologist(s) shall conduct pre-activity clearance surveys in a sequential manner that corresponds to the progression of active construction within the Project Area. No more than 14 calendar days prior to initiating Covered Activities within a portion of the Project Area, the Designated Biologist(s) shall survey that portion of the Project Area for individuals of the Covered Species. These surveys shall provide 100 percent visual coverage (including burrow and crevice openings) of each portion of the Project Area as well as a 50-foot buffer zone around each portion of the Project Area, with the exception that areas outside of the Permittee's access and/or control need not

be surveyed. The Permittee shall provide the survey results to CDFW in a written report prior to initiating Covered Activities within each portion of the Project Area. During Covered Activities, the Designated Biologist(s) and/or Designated Monitor(s) shall resurvey the distribution pipeline and water service lateral areas for individuals of the Covered Species at the beginning of each workday prior to resuming work. The Permittee shall provide a summary of all pre-activity clearance surveys as a component of the Quarterly Compliance Report. If Covered Species are found, the Designated Biologists(s) shall relocate them in accordance with the CDFW-approved Covered Species Mortality Reduction and Relocation Plan.

7.3. Flag Burrows/Crevices. During pre-activity clearance surveys, in accordance with Pre-Activity Clearance Survey and Reporting, the Designated Biologist(s) shall flag all animal burrows and crevices suitable for Covered Species occupancy within each portion of the Project Area and within a 50-foot buffer zone around each portion of the Project Area. Burrows/crevices outside of the Permittee's access or control do not need to be flagged. An avoidance buffer of 50 feet or greater around flagged animal burrows/crevices shall be maintained regardless of whether the burrow/crevice is in the Project Area or solely within the Project Area's 50-foot buffer zone. Flagged burrows/crevices which occur within 630 meters of known or potential breeding habitat, and which cannot be avoided by at least 50 feet, shall be fully excavated in accordance with Condition of Approval Burrow/Crevise Excavation.

7.4. Burrow/Crevise Excavation. Prior to initiating Covered Activities within each portion of the Project Area, animal burrows and crevices identified and flagged during the pre-activity clearance surveys (per Conditions of Approval Pre-Activity Clearance Survey and Reporting and Flag Burrows/Crevices) which occur within 630 meters of known or potential Covered Species breeding habitat (as identified in the CDFW-approved Covered Species Mortality Reduction and Relocation Plan), and which cannot be fully avoided by at least 50 feet, shall be fully excavated. Applicable burrows/crevices may be excavated by hand or in a manner otherwise approved by CDFW in accordance with the CDFW-approved Covered Species Mortality Reduction and Relocation Plan. Burrow/crevice excavation shall occur under the direct supervision of the Designated Biologist(s).

Burrows/crevices identified outside of the Project Area, but within the Project Area's 50-foot buffer zone, shall be similarly excavated if they lie within 50 feet of ground-disturbing Covered Activities occurring within the Project Area. Burrows/crevices outside of the Permittee's access and/or control do not need to be excavated. The Designated Biologist(s) shall relocate any live Covered Species discovered during burrow/crevice excavation in accordance with the CDFW-approved Covered Species Mortality Reduction and Relocation Plan. Burrow/crevice excavation shall occur no more than 14 calendar days after the completion of the pre-activity clearance surveys as described in Condition of Approval Pre-Activity Clearance Survey and Reporting.

- 7.5. Exclusion Fencing.** Prior to initiating Covered Activities within the Well Site and the staging areas at the former Moss Landing Middle School, and following surveying, flagging, and excavating burrows/crevices in accordance with Conditions of Approval Pre-Activity Clearance Survey and Reporting, Flag Burrows/Crevices, and Burrow/Crevise Excavation, Permittee shall install exclusion fencing around the perimeter of the Well Site and the staging areas at the former Moss Landing Middle School to prevent Covered Species from migrating into these areas. Installation of exclusion fencing is not required along the distribution pipeline and water service lateral areas.

Permittee shall submit an Exclusion Fencing Plan to CDFW for review and approval a minimum of 30 days prior to initiating Covered Activities within the Well Site and within the staging areas at the former Moss Landing Middle School. Installation of exclusion fencing, and initiation of Covered Activities within the Well Site and within the staging areas at the former Moss Landing Middle School shall not proceed until the Exclusion Fencing Plan has been approved in writing by CDFW. The Exclusion Fencing Plan shall include:

- (1) fencing materials;
- (2) fencing design, layout (including maps), and installation methods;
- (3) earthen one-way exit ramps to avoid entrapment of Covered Species (include design, number of exit ramps/spacing, and locations);
- (4) access gate design(s) and location(s); and
- (5) inspection, maintenance, repair, and replacement methods and intervals.

- 7.6. Exclusion Fence Installation.** The exclusion fence shall be installed under the direct supervision of the Designated Biologist(s) and begin no later than 48 hours after the burrow/crevice excavation and relocation activities per Condition of Approval Burrow/Crevise Excavation, where applicable, are complete within the Well Site and the staging areas at the former Moss Landing Middle School.

The Permittee shall also avoid animal burrows and crevices to the maximum extent possible during the installation of the exclusion fence, in accordance with Conditions of Approval Flag Burrows/Crevices and Burrow/Crevise Excavation. The exclusion fence shall be supported sufficiently to maintain its integrity under all conditions, such as wind and heavy rain, for the duration that it is in place. Permittee shall remove exclusion fencing immediately upon completion of Covered Activities in the fenced Project Area.

- 7.7. Open Excavations.** Within the distribution pipeline and water service lateral areas, the Designated Biologist(s) and/or Designated Monitor(s) shall inspect all open holes, sumps, and trenches for trapped Covered Species at the beginning and end of each day (including once daily on any other non-workdays), or as specified in

the CDFW-approved Covered Species Mortality Reduction and Relocation Plan. Within the Well Site, the Designated Biologist(s) and/or Designated Monitor(s) shall inspect all open holes, sumps, and trenches for trapped Covered Species at the beginning of each day (including once daily on any other non-workdays). Project workers shall also thoroughly inspect all open trenches, holes, sumps, or other excavations for Covered Species (or other wildlife) before they are backfilled. If Project workers discover that Covered Species have become trapped, Project workers shall notify the Designated Biologist(s) and/or Designated Monitor(s), and all Covered Activities in the vicinity which could injure or kill the Covered Species shall cease immediately. Project workers and the Designated Biologist(s) and/or Designated Monitor(s) shall allow Covered Species to escape unimpeded, if possible, before Covered Activities are allowed to continue, or the Designated Biologist(s) may capture and relocate Covered Species in accordance with the CDFW-approved Covered Species Mortality Reduction and Relocation Plan.

7.7.1. Covers. The Designated Biologist(s) and/or Designated Monitor(s) shall ensure all trenches, holes, sumps, or other excavations with sidewalls steeper than a 1:1 (45 degree) slope of any depth are covered at the end of each workday with barrier material such that animals are unable to dig or squeeze under the barrier and become entrapped. The outer two feet of excavation cover shall conform to solid ground so that gaps do not occur between the cover and the ground, and the excavation cover shall be secured to prevent gaps. If a situation is encountered that this measure does not anticipate and alternative methods of preventing entrapment or injury in excavations are warranted, Permittee shall request and obtain CDFW's written concurrence prior to implementing the alternative.

7.8. Vehicle and Equipment Inspection. Project workers shall inspect under vehicles and equipment for Covered Species before the vehicles and equipment are moved. If Covered Species are found, Project workers shall notify the Designated Biologist(s) and/or Designated Monitor(s), and all Covered Activities in the vicinity which could injure or kill the Covered Species shall cease immediately. Project workers and the Designated Biologist(s) and/or Designated Monitor(s) shall allow Covered Species to escape unimpeded, if possible, before Covered Activities are allowed to continue, or the Designated Biologist(s) may capture and relocate Covered Species in accordance with the CDFW-approved Covered Species Mortality Reduction and Relocation Plan.

7.9. Pipes and other Structures Entrapment Prevention. Permittee shall ensure that all pipes, hoses, conduit, culverts, or similar structures stockpiled or installed in the Project Area are either elevated at least 12 inches aboveground, or, if stored less than 12 inches aboveground, are capped, or otherwise enclosed at the ends to prevent access and entry by Covered Species. Project workers shall thoroughly inspect all construction pipe, culverts, or other similar structures with a diameter of one inch or greater that are stored for one or more overnight periods for Covered

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Species before the object is subsequently moved, buried, or capped. If Covered Species are found inside a pipe, culvert, or similar structure during inspection, Project workers shall notify the Designated Biologist(s) and/or Designated Monitor(s), and all Covered Activities in the vicinity which could injure or kill the Covered Species shall cease immediately. Project workers and the Designated Biologist(s) and/or Designated Monitor(s) shall allow Covered Species to escape unimpeded, if possible, before Covered Activities are allowed to continue, or the Designated Biologist(s) may capture and relocate Covered Species in accordance with the CDFW-approved Covered Species Mortality Reduction and Relocation Plan.

- 7.10. Fieldwork Code of Practice.** To ensure that the Designated Biologist(s) and Designated Monitors(s) do not convey disease between the Project Area and areas outside of the Project Area, the Fieldwork Code of Practice developed by the Declining Amphibian Populations Task Force (Attachment 3) shall be followed at all times. The Designated Biologist(s) and Designated Monitor(s) may substitute a bleach solution (0.5 to 1.0 cup of bleach to 1.0 gallon of water) for the ethanol solution. Care shall be taken so that all traces of the disinfectant are removed.
- 7.11. Rain Forecast.** The Designated Biologist(s), Designated Monitor(s), and Permittee shall monitor the National Weather Service 72-hour forecast for the Project Area. During rainfall events and/or when a 50 percent or greater chance of rainfall is predicted within 72 hours, the Permittee shall cease all Covered Activities in the Project Area where initial ground disturbance (vegetation removal, grading, grubbing, and excavation) has yet to occur until the rainfall ceases and a zero percent chance of rain is forecast. Covered Activities may continue during rainfall events and/or when a 50 percent or greater chance of rain is forecast within portions of the Project Area that have already been cleared of Covered Species (in accordance with Conditions of Approval Pre-Activity Clearance Survey and Reporting, Flag Burrows/Crevice, and Burrow/Crevice Excavation) and which are surrounded by exclusion fence that has been properly maintained and is in good repair, in accordance with the Project's CDFW-approved Exclusion Fencing Plan (as detailed in Condition of Approval Exclusion Fencing).
- 7.12. Soil and Materials Stockpiles.** Permittee shall ensure that soil stockpiles are placed where soil will not pass into potential Covered Species breeding habitat, or into any other "Waters of the State," in accordance with Fish and Game Code section 5650. Permittee shall appropriately protect stockpiles to prevent soil erosion. Permittee shall stockpile and stage all materials in a manner that discourages Covered Species use including covering and/or elevating materials.
- 7.13. Covered Species Observations.** During all Covered Activities within the Project Area, all Project workers shall inform the Designated Biologist(s) and/or Designated Monitor(s) if a Covered Species is observed within or near the Project Area. All work in the vicinity of the observed Covered Species which could injure or

kill the animal shall cease immediately until it moves from the Project Area of its own accord, or the Designated Biologist(s) relocates the Covered Species following the CDFW-approved Covered Species Mortality Reduction and Relocation Plan.

- 7.14. Covered Species Injury.** If a Covered Species is injured because of Project-related activities, the Designated Biologist(s) shall immediately take it to a CDFW-approved wildlife rehabilitation or veterinary facility. Permittee shall identify the facility before starting Covered Activities as a component of the CDFW-approved Covered Species Mortality Reduction and Relocation Plan. Permittee shall bear any costs associated with the care or treatment of such injured Covered Species. The Permittee shall notify CDFW of the injury to the Covered Species immediately by telephone and e-mail followed by a written incident report as described in Condition of Approval Notification of Take or Injury. Notification shall include the name of the facility where the animal was taken.

- 8. Habitat Management Land Acquisition:** CDFW has determined that permanent protection and perpetual management of compensatory habitat is necessary and required pursuant to CESA to fully mitigate Project-related impacts of the taking on the Covered Species that will result from implementation of the Covered Activities. This determination is based on factors including an assessment of the importance of the habitat in the Project Area, the extent to which the Covered Activities will impact the habitat, and CDFW's estimate of the protected acreage required to provide for adequate compensation.

To meet this requirement, the Permittee shall purchase 1.2 acres of upland habitat Covered Species credits from a CDFW-approved mitigation or conservation bank pursuant to Covered Species Credits below. Purchase of Covered Species credits must be complete before starting Covered Activities.

- 8.1. Covered Species Credits.** Permittee shall purchase 1.2 acres of upland Covered Species credits from a CDFW-approved mitigation or conservation bank prior to initiating Covered Activities. Prior to purchase of Covered Species credits, Permittee shall obtain CDFW approval to ensure the mitigation or conservation bank is appropriate to compensate for the impacts of the Project. Permittee shall submit to CDFW a copy of the Bill of Sale(s) and Payment Receipt prior to initiating Covered Activities.

IX. Amendment:

This ITP may be amended as provided by California Code of Regulations, Title 14, section 783.6, subdivision (c), and other applicable law. This ITP may be amended without the concurrence of the Permittee as required by law, including if CDFW determines that continued implementation of the Project as authorized under this ITP would jeopardize the continued existence of the Covered Species or where Project changes or changed biological conditions necessitate an ITP amendment to ensure that all Project-related impacts of the taking to the Covered Species are minimized and fully mitigated.

X. Stop-Work Order:

If CDFW determines the Permittee has violated any term or condition of this ITP or has engaged in unlawful take, CDFW may issue Permittee a written stop-work order instructing the Permittee to suspend any Covered Activity for an initial period of up to 30 days or risk suspension or revocation of this ITP. CDFW can issue a stop-work order to prevent or remedy a violation of this ITP, including but not limited to the failure to comply with reporting or monitoring obligations, or to prevent the unauthorized take of any CESA endangered, threatened, or candidate species, regardless of whether that species is a Covered Species under this ITP. Permittee shall stop work immediately as directed by CDFW upon receipt of any such stop-work order. Upon written notice to Permittee, CDFW may extend any stop-work order issued to Permittee for a period not to exceed 30 additional days.

If Permittee fails to remedy the violation or to comply with a stop-work order, CDFW may proceed with suspension and revocation of this ITP. Suspension and revocation of this ITP shall be governed by California Code of Regulations, Title 14, section 783.7, and any other applicable law. Neither the Designated Biologist, Designated Monitor, nor CDFW shall be liable for any costs incurred in complying with stop-work orders.

XI. Liability:

All terms and conditions of this ITP shall be binding upon each Permittee. Notwithstanding California Civil Code section 1431 or any other provision of law, each Permittee shall be jointly and severally liable for performance of all terms, conditions, and obligations of this ITP and shall be jointly and severally liable for any unauthorized take or other violations of this ITP, whether committed by Permittees or any person acting on behalf of one or more Permittees, including their officers, employees, representatives, agents or contractors and subcontractors. Any failure by one or more Permittees to comply with any term, condition, or obligation herein shall be deemed a failure to comply by all Permittees.

XII. Compliance with Other Laws:

This ITP sets forth CDFW's requirements for the Permittee to implement the Project pursuant to CESA. This ITP does not necessarily create an entitlement to proceed with the Project. Permittee is responsible for complying with all other applicable federal, state, and local law.

XIII. Notices:

Written notices, reports and other communications relating to this ITP shall be delivered to CDFW by email or registered first class mail at the following address, or at addresses CDFW may subsequently provide the Permittee. Notices, reports, and other communications shall reference the Project name, Permittee, and ITP Number (2081-2022-050-04) in a cover letter and on any other associated documents.

Original cover with attachment(s) to:

Julie A. Vance, Regional Manager
California Department of Fish and Wildlife
1234 East Shaw Avenue
Fresno, California 93710
R4CESA@wildlife.ca.gov

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and a copy to:

Habitat Conservation Planning Branch
California Department of Fish and Wildlife
Attention: CESA Permitting Program
Post Office Box 944209
Sacramento, California 94244-2090
CESA@wildlife.ca.gov

Unless Permittee is notified otherwise, CDFW's Regional Representative for purposes of addressing issues that arise during implementation of this ITP is:

Stephanie Manzo
California Department of Fish and Wildlife
1234 East Shaw Avenue
Fresno, California 93710
(559) 578-0409
Stephanie.Manzo@wildlife.ca.gov

XIV. Compliance with the CEQA:

CDFW's issuance of this ITP is subject to CEQA. CDFW is a responsible agency pursuant to CEQA with respect to this ITP because of prior environmental review of the Project by the lead agency, Pajaro/Sunny Mesa Community Services District. (See generally Pub. Resources Code, §§ 21067, 21069.) The lead agency's prior environmental review of the Project is set forth in the Initial Study/Mitigated Negative Declaration for Springfield Water System Improvements Project, (SCH No.: 2020080200) dated August 2020 that the Pajaro/Sunny Mesa Community Services District adopted for Springfield Water System Improvements Project on October 22, 2020. At the time the lead agency adopted the Mitigated Negative Declaration and approved the Project it also adopted various mitigation measures for the Covered Species as conditions of Project approval.

This ITP, along with CDFW's related CEQA findings, which are available as a separate document, provide evidence of CDFW's consideration of the lead agency's Mitigated Negative Declaration for the Project and the environmental effects related to issuance of this ITP (CEQA Guidelines, § 15096, subd. (f)). CDFW finds that issuance of this ITP will not result in any previously undisclosed potentially significant effects on the environment or a substantial increase in the severity of any potentially significant environmental effects previously disclosed by the lead agency. Furthermore, to the extent the potential for such effects exists, CDFW finds adherence to and implementation of the Conditions of Project Approval adopted by the lead agency, and that adherence to and implementation of the Conditions of Approval imposed by CDFW through the issuance of this ITP, will avoid or reduce to below a level of significance any such potential effects. CDFW consequently finds that issuance of this ITP will not result in any significant, adverse impacts on the environment.

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XV. Findings Pursuant to CESA:

These findings are intended to document CDFW's compliance with the specific findings requirements set forth in CESA and related regulations. (Fish & G. Code § 2081, subs. (b)-(c); Cal. Code Regs., tit. 14, §§ 783.4, subds, (a)-(b), 783.5, subd. (c)(2).)

CDFW finds based on substantial evidence in the ITP application, Initial Study/Mitigated Negative Declaration for Springfield Water System Improvements Project, and the administrative record of proceedings, that issuance of this ITP complies and is consistent with the criteria governing the issuance of ITPs pursuant to CESA:

- (1) Take of Covered Species as defined in this ITP will be incidental to the otherwise lawful activities covered under this ITP;
- (2) Impacts of the taking on Covered Species will be minimized and fully mitigated through the implementation of measures required by this ITP and as described in the MMRP. Measures include: (1) permanent habitat protection through the purchase of upland habitat Covered Species credits from a CDFW-approved mitigation or conservation bank; (2) establishment of avoidance zones; (3) worker education; and (4) Quarterly Compliance Reports. CDFW evaluated factors including an assessment of the importance of the habitat in the Project Area, the extent to which the Covered Activities will impact the habitat, and CDFW's estimate of the acreage required to provide for adequate compensation. Based on this evaluation, CDFW determined that the purchase of 1.2 acres of upland habitat Covered Species credits from a CDFW-approved mitigation or conservation bank in advance of initiating Covered Activities, along with the minimization, monitoring, reporting, and funding requirements of this ITP minimizes and fully mitigates the impacts of the taking caused by the Project;
- (3) The take avoidance and mitigation measures required pursuant to the conditions of this ITP and its attachments are roughly proportional in extent to the impacts of the taking authorized by this ITP;
- (4) The measures required by this ITP maintain Permittee's objectives to the greatest extent possible;
- (5) All required measures are capable of successful implementation;
- (6) This ITP is consistent with any regulations adopted pursuant to Fish and Game Code sections 2112 and 2114;
- (7) Permittee has ensured adequate funding to implement the measures required by this ITP as well as for monitoring compliance with, and the effectiveness of, those measures for the Project; and
- (8) Issuance of this ITP will not jeopardize the continued existence of the Covered Species based on the best scientific and other information reasonably available, and this finding includes consideration of the species' capability to survive and reproduce,

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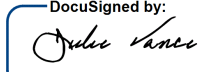
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and any adverse impacts of the taking on those abilities in light of (1) known population trends; (2) known threats to the species; and (3) reasonably foreseeable impacts on the species from other related projects and activities. Moreover, CDFW's finding is based, in part, on CDFW's express authority to amend the terms and conditions of this ITP without concurrence of the Permittee as necessary to avoid jeopardy and as required by law.

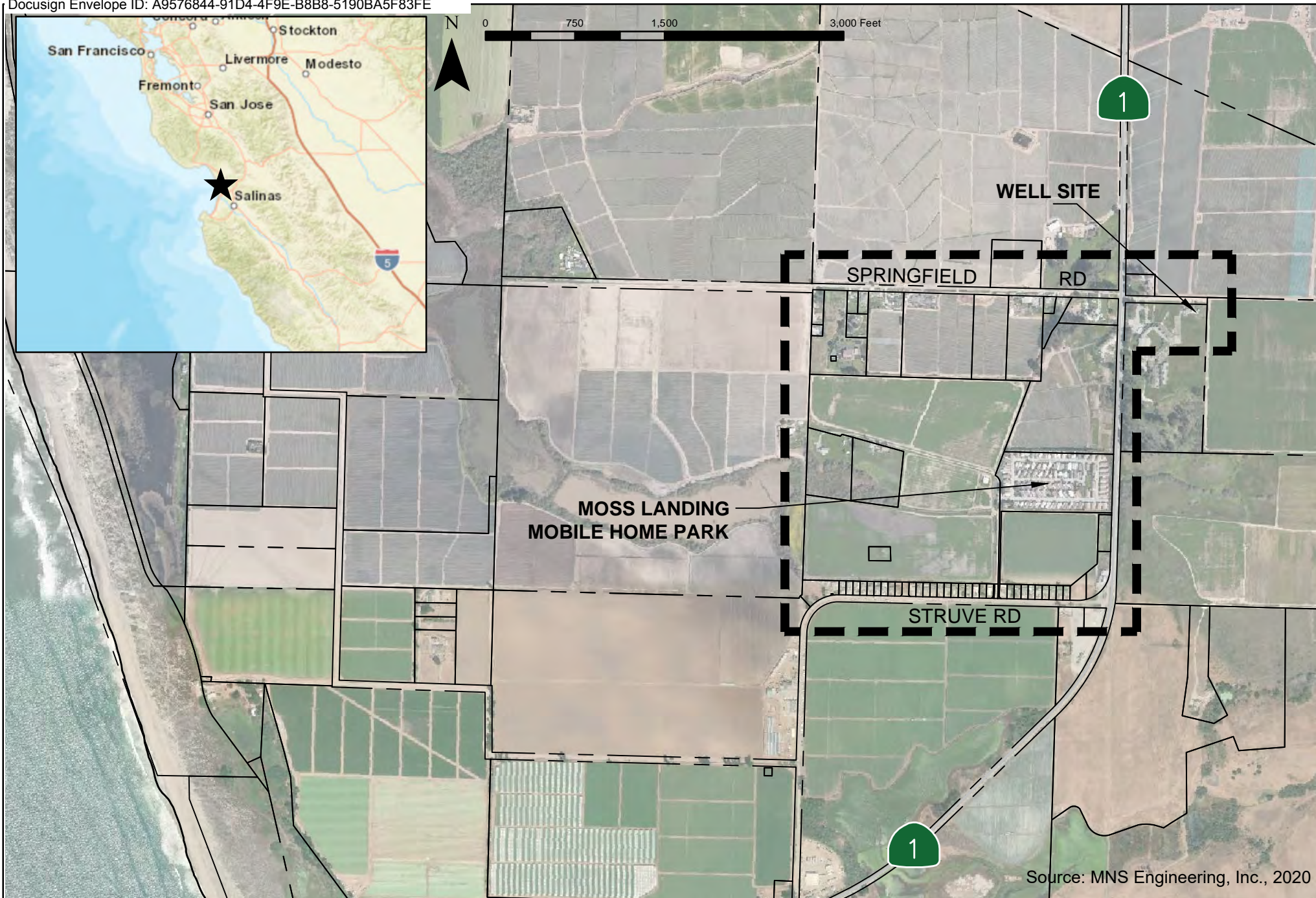
XVI. Attachments:

| | |
|--------------|---|
| FIGURE 1 | Location Map |
| FIGURE 2a | Habitat Map |
| FIGURE 2b | Habitat Map |
| FIGURE 3 | Overall Project Plan |
| FIGURE 4 | Planned Improvements at Well Site |
| ATTACHMENT 1 | Mitigation Monitoring and Reporting Program |
| ATTACHMENT 2 | Biologist Resume Form |
| ATTACHMENT 3 | Fieldwork Code of Practice |

ISSUED BY THE CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE ON 9/30/2024

DocuSigned by:

 FA83F09FE08945A...
 Julie A. Vance, Regional Manager
 Central Region

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Title:

Location Map

Date: 07/23/2020

Scale: 1 inch = 1,000 feet

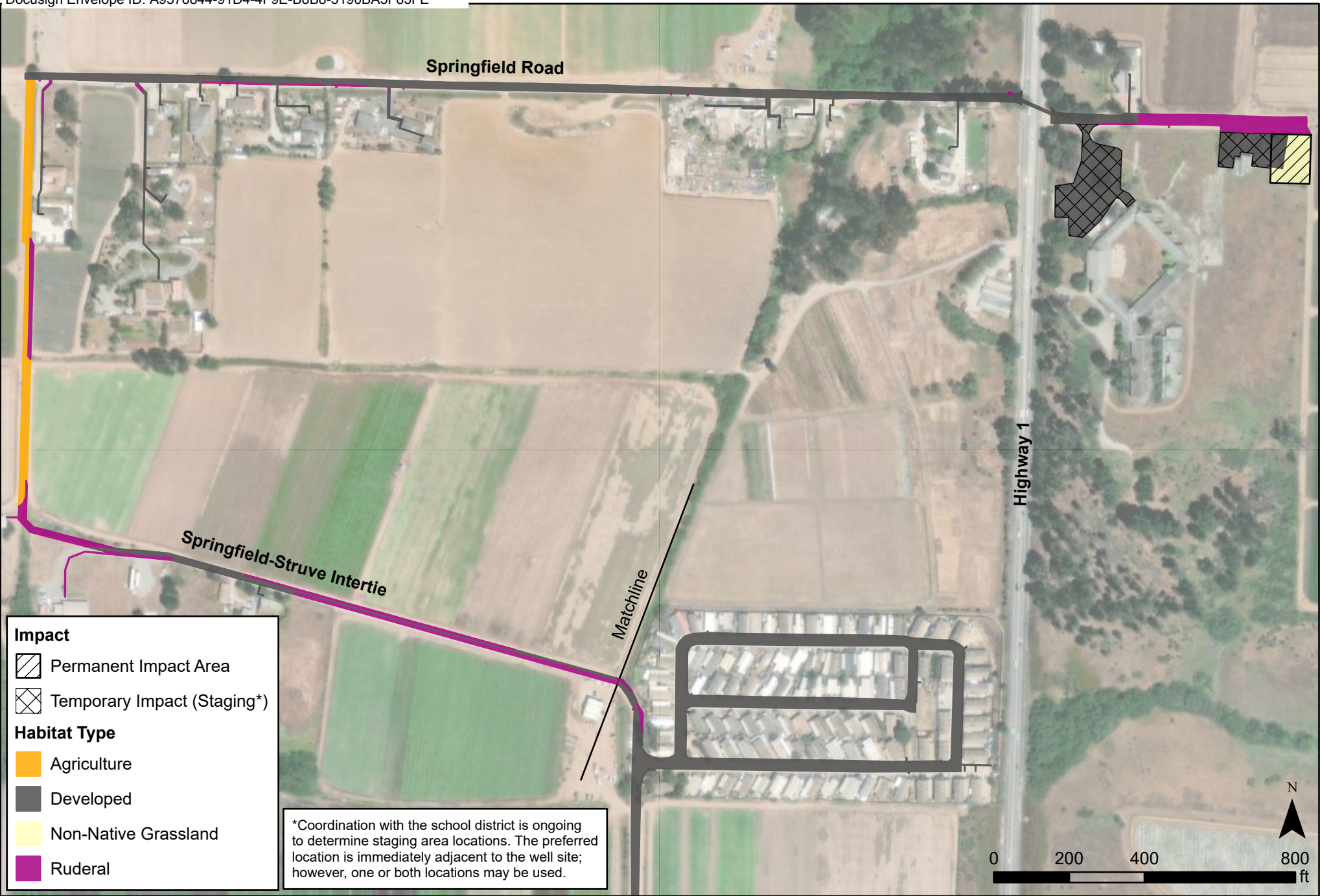
Project: 2016-41



Monterey | San Jose
Denise Duffy and Associates, Inc.
Environmental Consultants Resource Planners
947 Cass Street, Suite 5
Monterey, CA 93940
(831) 373-4341

Figure

1



Title:

Habitat Map

Date: 2-28-2024

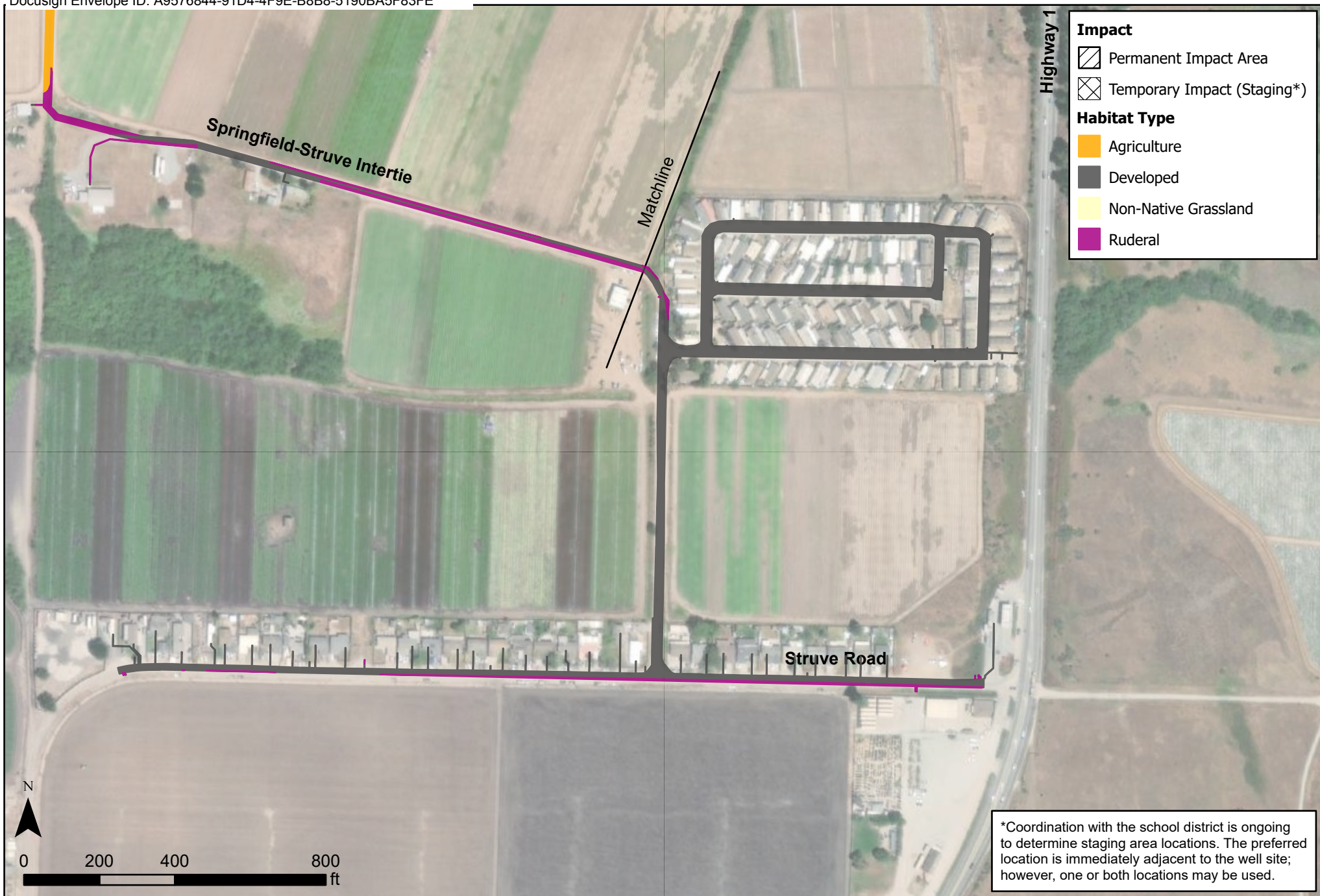
Scale: 1 in = 0.06 mi

Project: 2016-41

Denise Duffy and Associates, Inc.
Environmental Consultants Resource Planners
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Monterey, CA 93940
(831) 373-4341

Monterey | Truckee | San Jose

Figure
2a



Title:

Habitat Map

Date: 2-28-2024

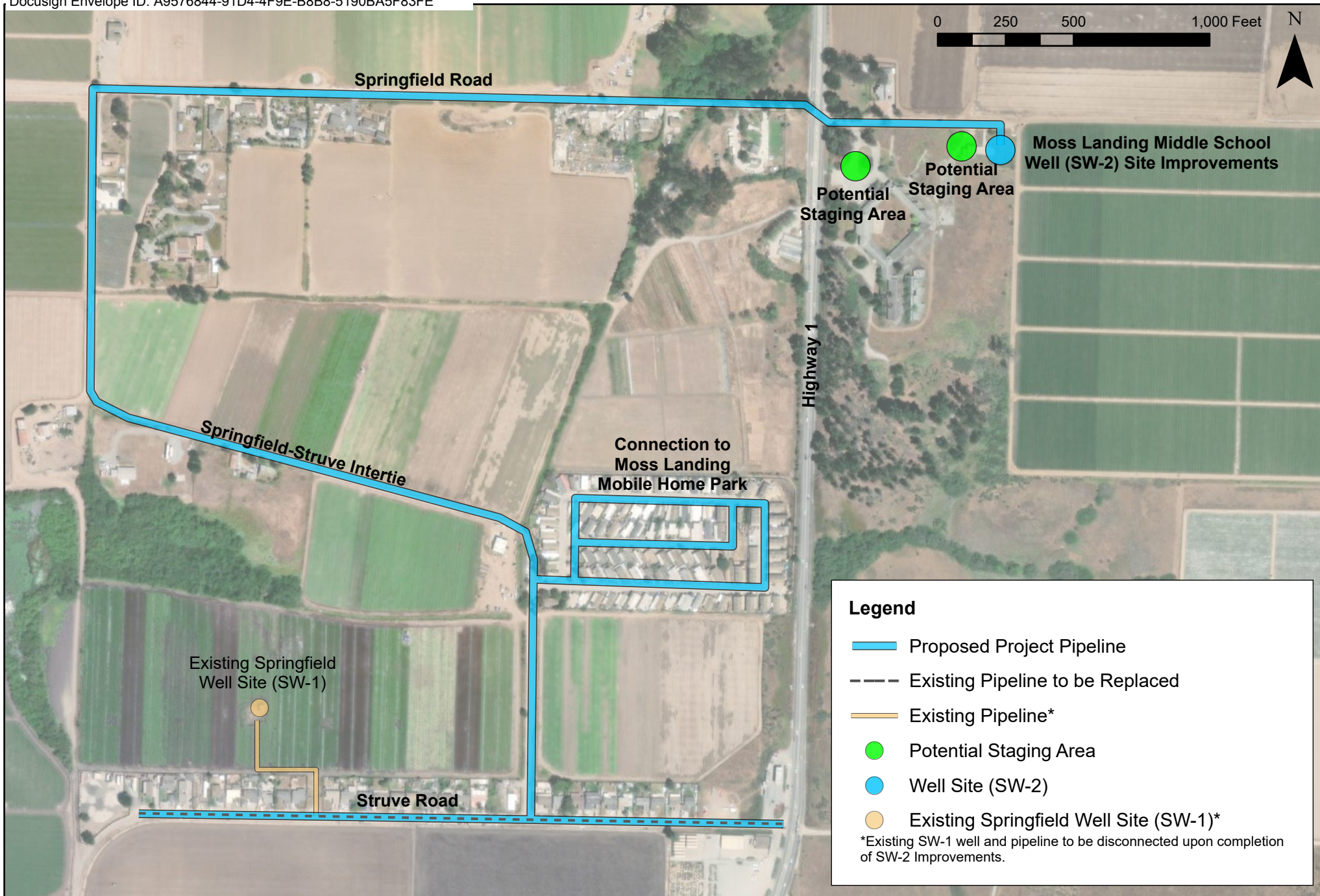
Scale: 1 in = 0.06 mi

Project: 2016-41

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Figure
2b



Title:

Overall Project Plan

Date: 02/28/2024

Scale: 1 in = 0.09 mi

Project: 2016-41

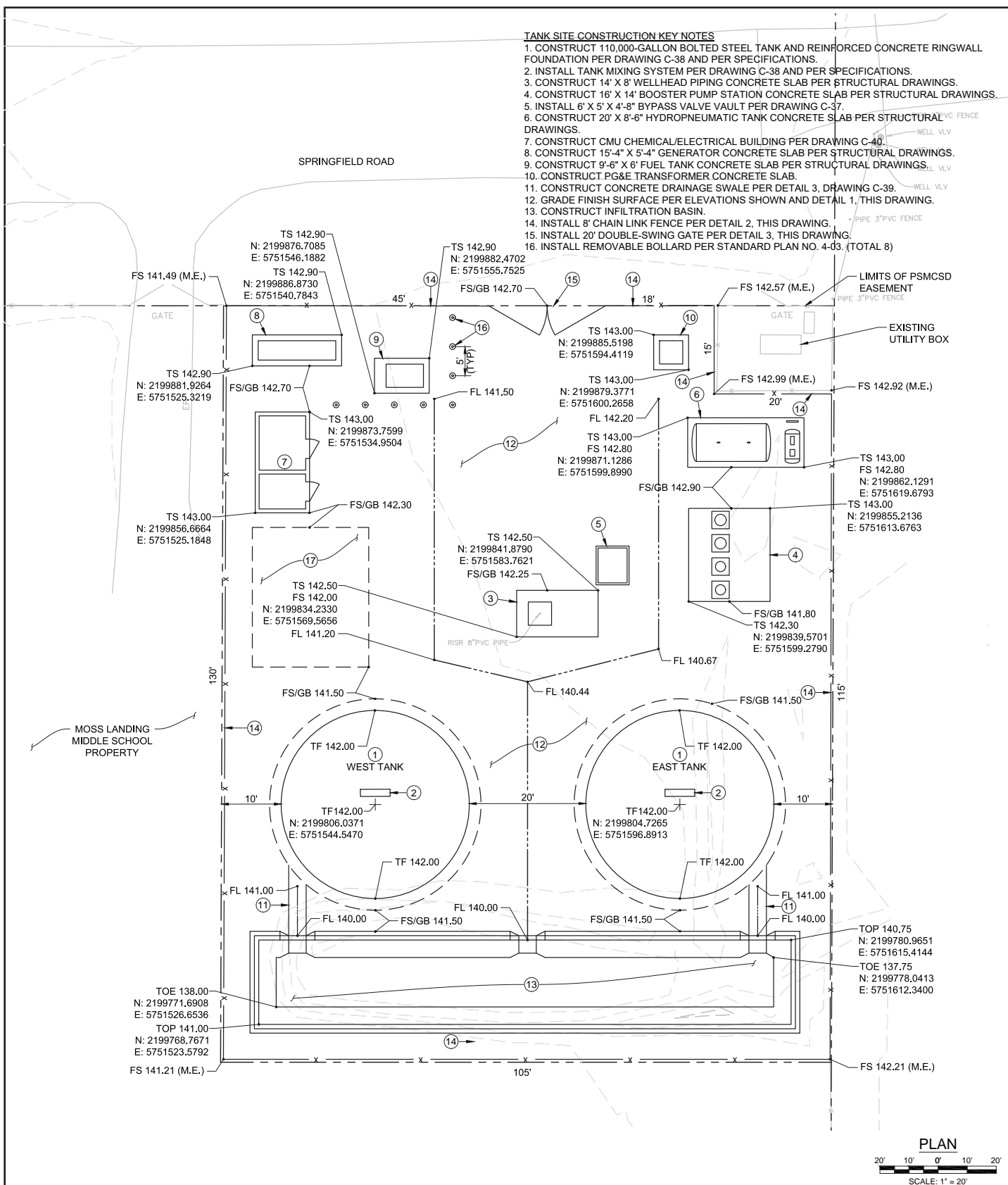


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Figure
3

TANK SITE CONSTRUCTION KEY NOTES

1. CONSTRUCT 110,000-GALLON BOLTED STEEL TANK AND REINFORCED CONCRETE RINGWALL FOUNDATION PER DRAWING C-38 AND PER SPECIFICATIONS.
2. INSTALL TANK MIXING SYSTEM PER DRAWING C-38 AND PER SPECIFICATIONS.
3. CONSTRUCT 14' X 8' WELLHEAD PIPING CONCRETE SLAB PER STRUCTURAL DRAWINGS.
4. CONSTRUCT 16' X 14' BOOSTER PUMP STATION CONCRETE SLAB PER STRUCTURAL DRAWINGS.
5. INSTALL 6' X 5' X 4'-8" BYPASS VALVE VAULT PER DRAWING C-37.
6. CONSTRUCT 20' X 8'-6" HYDROPNEUMATIC TANK CONCRETE SLAB PER STRUCTURAL DRAWINGS.
7. CONSTRUCT CMU CHEMICAL/ELECTRICAL BUILDING PER DRAWING C-40.
8. CONSTRUCT 15'-4" X 5'-4" GENERATOR CONCRETE SLAB PER STRUCTURAL DRAWINGS.
9. CONSTRUCT 9'-6" X 6' FUEL TANK CONCRETE SLAB PER STRUCTURAL DRAWINGS.
10. CONSTRUCT PG&E TRANSFORMER CONCRETE SLAB.
11. CONSTRUCT CONCRETE DRAINAGE SWALE PER DETAIL 3, DRAWING C-39.
12. GRADE FINISH SURFACE PER ELEVATIONS SHOWN AND DETAIL 1, THIS DRAWING.
13. CONSTRUCT INFILTRATION BASIN.
14. INSTALL 8' CHAIN LINK FENCE PER DETAIL 2, THIS DRAWING.
15. INSTALL 20' DOUBLE-SWING GATE PER DETAIL 3, THIS DRAWING.
16. INSTALL REMOVABLE BOLLARD PER STANDARD PLAN NO. 4-03, (TOTAL 8)



Source: MNS Engineers, Inc., February 2020

Title:
**Planned Improvements at
Well Site**

Date 2/20/2020

Scale 1"=20'

Project 2016-41



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Figure
4

Attachment 1

**CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
CALIFORNIA ENDANGERED SPECIES ACT**

INCIDENTAL TAKE PERMIT NO. 2081-2022-050-04

PERMITTEE: Pajaro/Sunny Mesa Community Services District

PROJECT: Springfield Water System Improvements Project

PURPOSE OF THE MMRP

The purpose of the MMRP is to ensure that the impact minimization and mitigation measures required by the Department of Fish and Wildlife (CDFW) for the above-referenced Project are properly implemented, and thereby to ensure compliance with section 2081(b) of the Fish and Game Code and section 21081.6 of the Public Resources Code. A table summarizing the mitigation measures required by CDFW is attached. This table is a tool for use in monitoring and reporting on implementation of mitigation measures, but the descriptions in the table do not supersede the mitigation measures set forth in the California Incidental Take Permit (ITP) and in attachments to the ITP, and the omission of a permit requirement from the attached table does not relieve the Permittee of the obligation to ensure the requirement is performed.

OBLIGATIONS OF PERMITTEE

Mitigation measures must be implemented within the time periods indicated in the table that appears below. Permittee has the primary responsibility for monitoring compliance with all mitigation measures and for reporting to CDFW on the progress in implementing those measures. These monitoring and reporting requirements are set forth in the ITP itself and are summarized at the front of the attached table.

VERIFICATION OF COMPLIANCE, EFFECTIVENESS

CDFW may, at its sole discretion, verify compliance with any mitigation measure or independently assess the effectiveness of any mitigation measure.

TABLE OF MITIGATION MEASURES

The following items are identified for each mitigation measure: Mitigation Measure, Source, Implementation Schedule, Responsible Party, and Status/Date/Initials. The Mitigation Measure column summarizes the mitigation requirements of the ITP. The Source column identifies the ITP condition that sets forth the mitigation measure. The Implementation Schedule column shows the date or phase when each mitigation measure will be implemented. The Responsible Party column identifies the person or agency that is primarily responsible for implementing the mitigation measure. The Status/Date/Initials column shall be completed by the Permittee during preparation of each Status Report and the Final Mitigation Report, and must identify the implementation status of each mitigation measure, the date that status was determined, and the initials of the person determining the status.

| | Mitigation Measure | Source | Implementation Schedule | Responsible Party | Status / Date / Initials |
|---|---|---------------------|--|-------------------|--------------------------|
| BEFORE DISTURBING SOIL OR VEGETATION | | | | | |
| 1 | <u>Designated Representative</u> . Before starting Covered Activities, Permittee shall designate a representative (Designated Representative) responsible for communications with CDFW and overseeing compliance with the ITP. Permittee shall notify CDFW in writing before starting Covered Activities of the Designated Representative's name, business address, and contact information, and shall notify CDFW in writing if a substitute Designated Representative is selected or identified at any time during the term of the ITP. | ITP Condition # 5.1 | Before commencing ground- or vegetation-disturbing activities / Entire Project | Permittee | |
| 2 | <u>Designated Biologist(s) and/or Designated Monitor(s)</u> . Permittee shall submit to CDFW in writing the name, qualifications, business address, contact information, and references with contact information of Designated Biologist(s) and Designated Monitor(s) using the Biologist Resume Form (Attachment 2) or another format containing the same information. This information shall be submitted for CDFW review and approval at least 30 days before starting Covered Activities. Permittee shall ensure that the Designated Biologist(s) and Designated Monitor(s) are knowledgeable and experienced in the biology and natural history of the Covered Species; collecting and handling of the Covered Species; excavating burrows/crevices to minimize mortality of the Covered Species; and monitoring construction activities following the Conditions of Approval of an ITP for the Covered Species. The Designated Biologist(s) and Designated Monitor(s) shall be responsible for monitoring Covered Activities to help minimize and fully mitigate or avoid the incidental take of individual Covered Species and to minimize disturbance of Covered Species' habitat. The Designated Monitor(s) shall assist the Designated Biologist(s) in compliance monitoring under the direction of the Designated Biologist(s). Designated Monitor responsibilities will be restricted to a specific set of Conditions of Approval, specified by the Permittee or Designated Representative at the time their qualifications are submitted for review. Permittee shall obtain CDFW approval of the Designated Biologist(s) and Designated Monitor(s) in writing before starting Covered Activities and shall also obtain approval in advance, in writing, if the Designated Biologist(s) or Designated Monitor(s) must be changed. | ITP Condition # 5.2 | Before commencing ground- or vegetation-disturbing activities / Entire Project | Permittee | |
| 3 | <u>Education Program</u> . Permittee shall conduct an education program for all persons employed or otherwise working in the Project Area before they can perform any work within the Project Area. The program shall consist of a presentation from the Designated Biologist(s) that includes: (1) a discussion of the biology and general behavior of the Covered Species; (2) information about the distribution and habitat needs of the Covered Species; (3) sensitivity of the Covered Species to human activities; (4) its status pursuant to CESA including legal protection, recovery efforts, and penalties for violations; and (5) Project-specific protective measures described in the ITP. Upon completion of the program, employees shall sign a form stating they attended the program and understand all protection measures. The same instruction shall be provided to any new workers before they are authorized to perform work in the Project Area. Permittee shall prepare and distribute wallet-sized cards or a fact sheet handout containing this information for workers to carry in the Project Area. Permittee shall provide interpretation and translation services for non-English speaking workers. This training shall be repeated at least once annually for long-term and/or permanent employees that will be conducting work in the Project Area. | ITP Condition # 5.4 | Before commencing ground- or vegetation-disturbing activities / Entire Project | Permittee | |

| | Mitigation Measure | Source | Implementation Schedule | Responsible Party | Status / Date / Initials |
|---|--|----------------------|--|-------------------|--------------------------|
| 4 | <u>Trash Abatement</u> . Permittee shall initiate a trash abatement program before starting Covered Activities and shall continue the program for the duration of the Project. Permittee shall ensure that trash and food items are contained in animal proof containers and removed, ideally at daily intervals but at least once a week, to avoid attracting opportunistic predators such as ravens, coyotes, and feral dogs. | ITP Condition # 5.6 | Before commencing ground- or vegetation-disturbing activities / Entire Project | Permittee | |
| 5 | <u>Dust Control</u> . Permittee shall implement dust control measures during Covered Activities to facilitate visibility for monitoring of the Covered Species by the Designated Biologist(s) and/or Designated Monitor(s). Permittee shall keep the amount of water used to the minimum amount needed and shall not allow water to form puddles. | ITP Condition # 5.7 | Before commencing ground- or vegetation-disturbing activities/ Entire Project | Permittee | |
| 6 | <u>Delineation of Property Boundaries</u> . Before starting Covered Activities along each part of the route within the Project Area, Permittee shall clearly delineate the boundaries of the Project Area with fencing, stakes, or flags. Permittee shall restrict all Covered Activities to within the fenced, staked, or flagged areas. Permittee shall maintain all fencing, stakes, and flags until the completion of Covered Activities in that area. | ITP Condition # 5.9 | Before commencing ground- or vegetation-disturbing activities / Entire Project | Permittee | |
| 7 | <u>Delineation of Habitat</u> . Before starting Covered Activities along each part of the route within the Project Area, Permittee shall clearly delineate habitat of the Covered Species within the Project Area with posted signs, posting stakes, flags, and/or rope or cord, and place fencing as necessary to minimize the disturbance of Covered Species' habitat. Permittee shall maintain all signs, stakes, flags, rope, cord, and/or fencing until the completion of Covered Activities in that area. | ITP Condition # 5.10 | Before commencing ground- or vegetation-disturbing activities / Entire Project | Permittee | |
| 8 | <u>Notification Before Commencement</u> . The Designated Representative shall notify CDFW 14 calendar days before starting Covered Activities and shall document compliance with all pre-Project Conditions of Approval before starting Covered Activities. | ITP Condition # 6.1 | Before commencing ground- or vegetation-disturbing activities | Permittee | |
| 9 | <u>Geographic Information Systems Data Files</u> . Before starting Covered Activities, the Permittee shall provide CDFW with separate Geographic Information Systems (GIS) data files for the temporary and permanent habitat impact areas authorized under the ITP for the Project Area. If habitat for a Covered Species will be both temporarily and permanently impacted, the Permittee shall provide one set of GIS data files for each impact type. The Permittee shall provide any additional GIS data files for the Project or related Covered Species features within 30 days of CDFW's request. All GIS data files shall be provided in a format acceptable to CDFW. | ITP Condition # 6.3 | Before commencing ground- or vegetation-disturbing activities / Entire Project | Permittee | |

| | Mitigation Measure | Source | Implementation Schedule | Responsible Party | Status / Date / Initials |
|----|--|---------------------|--|----------------------|--------------------------|
| 10 | <u>Record of Covered Species Relocation.</u> The Designated Biologist(s) shall maintain a record of Covered Species handled and all documented observations of Covered Species. This information shall include for each animal: (1) date, time, and location (Global Positioning System (GPS) coordinates and maps) of observation and/or capture and release, if applicable; (2) the name of the party that identified the Covered Species; (3) circumstances of the incident; (4) the general condition and health, noting all visible conditions including gait and behavior, ectoparasites, injuries, etc.; (5) any diagnostic markings, sex, age (juvenile or adult); (6) actions undertaken; (7) habitat description; and (8) ambient temperature when observed and/or handled and released. The Designated Biologist(s) shall compile this information into a Relocation Summary and include it in the next Quarterly Compliance Report or Annual Status Report, whichever is submitted first relative to the observation. The Designated Biologist(s) shall also submit this information to CDFW's CNDDDB per the Condition of Approval <u>CNDDDB Observations</u> . | ITP Condition # 6.5 | Before commencing ground- or vegetation-disturbing activities / Entire Project | Designated Biologist | |
| 11 | <u>Covered Species Mortality Reduction and Relocation Plan.</u> The Designated Biologist(s) shall prepare a Covered Species Mortality Reduction and Relocation Plan and submit it to CDFW for review and approval at least 30 days before starting Covered Activities. The Covered Species Mortality Reduction and Relocation Plan shall include, but not be limited to: (1) a discussion and map of the portion of the Project Area which represents potential upland habitat; (2) identification of the area within (a) 630 meters and (b) 2,092 meters of known or potential breeding habitat for the Covered Species; (3) detailed survey, excavation, capture, handling, and relocation methods; (4) identification of relocation areas; (5) identification of a wildlife rehabilitation center or veterinary facility capable of treating injured wild amphibians; and, if applicable, (6) identification of the areas within the distribution pipeline and/or water service lateral areas in which the Permittee proposes an alternative daily monitoring period, as well as the proposed duration of the alternative daily monitoring period. Covered Activities may not proceed until the Covered Species Mortality Reduction and Relocation Plan is approved in writing by CDFW. Designated Monitors are prohibited from capturing and handling the Covered Species unless specifically approved in writing by CDFW <u>and</u> under the direct supervision of the Designated Biologist(s). Any proposed changes to the CDFW-approved Covered Species Mortality Reduction and Relocation Plan shall be submitted in writing to CDFW and approved by CDFW in writing prior to implementation of any proposed Covered Species Mortality Reduction and Relocation Plan modifications. | ITP Condition # 7.1 | Before commencing ground- or vegetation-disturbing activities | Designated Biologist | |

| | Mitigation Measure | Source | Implementation Schedule | Responsible Party | Status / Date / Initials |
|----|---|---------------------|--|----------------------|--------------------------|
| 12 | <u>Pre-Activity Clearance Survey and Reporting.</u> The Designated Biologist(s) shall conduct pre-activity clearance surveys in a sequential manner that corresponds to the progression of active construction within the Project Area. No more than 14 calendar days prior to initiating Covered Activities within a portion of the Project Area, the Designated Biologist(s) shall survey that portion of the Project Area for individuals of the Covered Species. These surveys shall provide 100 percent visual coverage (including burrow and crevice openings) of each portion of the Project Area as well as a 50-foot buffer zone around each portion of the Project Area, with the exception that areas outside of the Permittee's access and/or control need not be surveyed. The Permittee shall provide the survey results to CDFW in a written report prior to initiating Covered Activities within each portion of the Project Area. During Covered Activities, the Designated Biologist(s) and/or Designated Monitor(s) shall resurvey the distribution pipeline and water service lateral areas for individuals of the Covered Species at the beginning of each workday prior to resuming work. The Permittee shall provide a summary of all pre-activity clearance surveys as a component of the Quarterly Compliance Report. If Covered Species are found, the Designated Biologists(s) shall relocate them in accordance with the CDFW-approved <u>Covered Species Mortality Reduction and Relocation Plan</u> . | ITP Condition # 7.2 | Before commencing ground- or vegetation-disturbing activities / Entire Project | Designated Biologist | |
| 13 | <u>Flag Burrows/Crevices.</u> During pre-activity clearance surveys, in accordance with <u>Pre-Activity Clearance Survey and Reporting</u> , the Designated Biologist(s) shall flag all animal burrows and crevices suitable for Covered Species occupancy within each portion of the Project Area and within a 50-foot buffer zone around each portion of the Project Area. Burrows/crevices outside of the Permittee's access or control do not need to be flagged. An avoidance buffer of 50 feet or greater around flagged animal burrows/crevices shall be maintained regardless of whether the burrow/crevice is in the Project Area or solely within the Project Area's 50-foot buffer zone. Flagged burrows/crevices which occur within 630 meters of known or potential breeding habitat, and which cannot be avoided by at least 50 feet, shall be fully excavated in accordance with Condition of Approval <u>Burrow/Crevise Excavation</u> . | ITP Condition # 7.3 | Before commencing ground- or vegetation-disturbing activities / Entire Project | Designated Biologist | |

| | Mitigation Measure | Source | Implementation Schedule | Responsible Party | Status / Date / Initials |
|----|---|---------------------|--|----------------------|--------------------------|
| 14 | <p><u>Burrow/Crevice Excavation</u>. Prior to initiating Covered Activities within each portion of the Project Area, animal burrows and crevices identified and flagged during the pre-activity clearance surveys (per Conditions of Approval <u>Pre-Activity Clearance Survey and Reporting</u> and <u>Flag Burrows/Crevices</u>) which occur within 630 meters of known or potential Covered Species breeding habitat (as identified in the CDFW-approved <u>Covered Species Mortality Reduction and Relocation Plan</u>), and which cannot be fully avoided by at least 50 feet, shall be fully excavated. Applicable burrows/crevices may be excavated by hand or in a manner otherwise approved by CDFW in accordance with the CDFW-approved <u>Covered Species Mortality Reduction and Relocation Plan</u>. Burrow/crevice excavation shall occur under the direct supervision of the Designated Biologist(s).</p> <p>Burrows/crevices identified outside of the Project Area, but within the Project Area's 50-foot buffer zone, shall be similarly excavated if they lie within 50 feet of ground-disturbing Covered Activities occurring within the Project Area. Burrows/crevices outside of the Permittee's access and/or control do not need to be excavated. The Designated Biologist(s) shall relocate any live Covered Species discovered during burrow/crevice excavation in accordance with the CDFW-approved <u>Covered Species Mortality Reduction and Relocation Plan</u>. Burrow/crevice excavation shall occur no more than 14 calendar days after the completion of the pre-activity clearance surveys as described in Condition of Approval <u>Pre-Activity Clearance Survey and Reporting</u>.</p> | ITP Condition # 7.4 | Before commencing ground- or vegetation-disturbing activities / Entire Project | Designated Biologist | |
| 15 | <p><u>Exclusion Fencing</u>. Prior to initiating Covered Activities within the Well Site and the staging areas at the former Moss Landing Middle School, and following surveying, flagging, and excavating burrows/crevices in accordance with Conditions of Approval <u>Pre-Activity Clearance Survey and Reporting</u>, <u>Flag Burrows/Crevices</u>, and <u>Burrow/Crevice Excavation</u>, Permittee shall install exclusion fencing around the perimeter of the Well Site and the staging areas at the former Moss Landing Middle School to prevent Covered Species from migrating into these areas. Installation of exclusion fencing is not required along the distribution pipeline and water service lateral areas.</p> <p>Permittee shall submit an Exclusion Fencing Plan to CDFW for review and approval a minimum of 30 days prior to initiating Covered Activities within the Well Site and within the staging areas at the former Moss Landing Middle School. Installation of exclusion fencing, and initiation of Covered Activities within the Well Site and within the staging areas at the former Moss Landing Middle School shall not proceed until the Exclusion Fencing Plan has been approved in writing by CDFW. The Exclusion Fencing Plan shall include:</p> <p>(1) fencing materials;</p> <p>(2) fencing design, layout (including maps), and installation methods;</p> <p>(3) earthen one-way exit ramps to avoid entrapment of Covered Species (include design, number of exit ramps/spacing, and locations);</p> <p>(4) access gate design(s) and location(s); and</p> <p>(5) inspection, maintenance, repair, and replacement methods and intervals.</p> | ITP Condition # 7.5 | Before commencing ground- or vegetation-disturbing activities | Permittee | |

| | Mitigation Measure | Source | Implementation Schedule | Responsible Party | Status / Date / Initials |
|----------------------------|--|---------------------|--|----------------------------------|--------------------------|
| 16 | <p><u>Exclusion Fence Installation.</u> The exclusion fence shall be installed under the direct supervision of the Designated Biologist(s) and begin no later than 48 hours after the burrow/crevice excavation and relocation activities per Condition of Approval <u>Burrow/Crevice Excavation</u>, where applicable, are complete within the Well Site and the staging areas at the former Moss Landing Middle School.</p> <p>The Permittee shall also avoid animal burrows and crevices to the maximum extent possible during the installation of the exclusion fence, in accordance with Conditions of Approval <u>Flag Burrows/Crevices</u> and <u>Burrow/Crevice Excavation</u>. The exclusion fence shall be supported sufficiently to maintain its integrity under all conditions, such as wind and heavy rain, for the duration that it is in place. Permittee shall remove exclusion fencing immediately upon completion of Covered Activities in the fenced Project Area.</p> | ITP Condition # 7.6 | Before commencing ground- or vegetation-disturbing activities / Entire Project | Permittee | |
| 17 | <p><u>Covered Species Credits.</u> Permittee shall purchase 1.2 acres of upland Covered Species credits from a CDFW-approved mitigation or conservation bank prior to initiating Covered Activities. Prior to purchase of Covered Species credits, Permittee shall obtain CDFW approval to ensure the mitigation or conservation bank is appropriate to compensate for the impacts of the Project. Permittee shall submit to CDFW a copy of the Bill of Sale(s) and Payment Receipt prior to initiating Covered Activities.</p> | ITP Condition # 8.1 | Before commencing ground- or vegetation-disturbing activities | Permittee | |
| DURING CONSTRUCTION | | | | | |
| 18 | <p><u>Designated Biologist/Designated Monitor Authority.</u> To ensure compliance with the Conditions of Approval of the ITP, the Designated Biologist(s) and/or Designated Monitor(s) shall be given the authority to immediately stop any activity that does not comply with the ITP and/or order any reasonable measure to avoid the unauthorized take of an individual of the Covered Species. Permittee shall provide unfettered access to the Project Area and otherwise facilitate the Designated Biologist(s) and/or Designated Monitor(s) in the performance of their duties. If the Designated Biologist(s) and/or Designated Monitor(s) are unable to comply with the ITP, then the Designated Biologist(s) and/or Designated Monitor(s) shall notify the CDFW Regional Representative (detailed in the Notices section below) immediately. Permittee shall not enter into any agreement or contract of any kind, including but not limited to non-disclosure agreements and confidentiality agreements, with its contractors and/or the Designated Biologist(s)/Designated Monitor(s) that prohibit or impede open communication with CDFW, including but not limited to providing CDFW staff with the results of any surveys, reports, or studies or notifying CDFW of any non-compliance or take. Failure to notify CDFW of any non-compliance or take or injury of a Covered Species as a result of such agreement or contract may result in CDFW taking actions to prevent or remedy a violation of the ITP.</p> | ITP Condition # 5.3 | Entire Project | Designated Biologist / Permittee | |
| 19 | <p><u>Construction Monitoring Documentation.</u> The Designated Biologist(s) and Designated Monitor(s) shall maintain construction-monitoring documentation on site in either hard copy or digital format throughout the construction period, which shall include a copy of the ITP with attachments and a list of signatures of all personnel who have successfully completed the education program. Permittee shall ensure a copy of the construction-monitoring documentation is available for review at the Project Area upon request by CDFW.</p> | ITP Condition # 5.5 | Entire Project | Designated Biologist / Permittee | |

| | Mitigation Measure | Source | Implementation Schedule | Responsible Party | Status / Date / Initials |
|----|--|---------------------|-------------------------|----------------------------------|--------------------------|
| 20 | <p><u>Compliance Monitoring.</u> The Designated Biologist(s) shall be on-site for the duration of the day during implementation of Conditions of Approval <u>Pre-Activity Clearance Survey and Reporting</u>, <u>Flag Burrows/Crevices</u>, <u>Burrow/Crevice Excavation</u>, and <u>Exclusion Fence Installation</u>. During Covered Activities, the Designated Biologist(s) and/or Designated Monitor(s) shall do the following: within the distribution pipeline and water service lateral areas, conduct daily compliance inspections and monitor Covered Activities for the duration of the day, or for the duration specified in the CDFW-approved <u>Covered Species Mortality Reduction and Relocation Plan</u>; within the Well Site, conduct daily compliance inspections and monitor Covered Activities for the duration of the day until vegetation clearing and grubbing are completed; within the Well Site, conduct at least weekly compliance inspections after vegetation clearing and grubbing are completed; and within the staging areas at the former Moss Landing Middle School, conduct at least weekly compliance inspections. During Covered Activities, the Designated Biologist(s) shall be available to respond to the Project Area within one (1) hour of being contacted to address Covered Species needs and any other issues that may arise during implementation of the ITP. During periods of inactivity, the Designated Biologist(s) shall conduct at least weekly compliance inspections. The Designated Biologist(s) and/or Designated Monitor(s) shall conduct compliance inspections to:</p> <p>(1) minimize incidental take of the Covered Species; (2) prevent unlawful take of species; (3) check for compliance with all measures of the ITP; (4) check all exclusion zones; and (5) ensure that signs, stakes, and fencing are intact, and that Covered Activities are only occurring in the Project Area.</p> <p>The Designated Representative, Designated Biologist(s), and/or Designated Monitor(s) shall prepare daily written observation and inspection records summarizing oversight activities and compliance inspections, observations of Covered Species, survey results, and monitoring activities required by the ITP.</p> | ITP Condition # 6.4 | Entire Project | Designated Biologist / Permittee | |
| 21 | <p><u>Notification of Non-compliance.</u> The Designated Representative and/or Designated Biologist(s) shall immediately notify CDFW if the Permittee is not in compliance with any Condition of Approval of the ITP, including but not limited to any actual or anticipated failure to implement measures within the time periods indicated in the ITP and/or this MMRP. The Designated Representative and/or the Designated Biologist(s) shall follow notification with a written report to CDFW within 24 hours describing, in detail, any non-compliance with the ITP and suggested measures to remedy the situation.</p> | ITP Condition # 6.2 | Entire Project | Designated Biologist / Permittee | |

| | Mitigation Measure | Source | Implementation Schedule | Responsible Party | Status / Date / Initials |
|----|---|---------------------|-------------------------|----------------------------------|--------------------------|
| 22 | <u>Quarterly Compliance Report</u> . The Designated Representative or the Designated Biologist(s) shall compile the observation and inspection records identified in Conditions of Approval <u>Pre-Activity Clearance Survey and Reporting</u> , <u>Compliance Monitoring</u> , and <u>Record of Covered Species Relocation</u> into a Quarterly Compliance Report and submit it to CDFW along with a copy of this MMRP table with notes showing the current implementation status of each mitigation measure. Quarterly Compliance Reports shall also include, but not be limited to: (1) an accounting of the number of acres that have been permanently and temporarily disturbed by the Project within the Project Area, both for the prior quarter, and the total since ITP issuance, if applicable; (2) the number of acres of ground disturbance anticipated to occur in the Project Area during the coming quarter, if applicable; (3) a summary of all pre-activity clearance surveys and compliance monitoring conducted during the previous quarter; and (4) the activities authorized under the Covered Activities which occurred during the previous quarter. Quarterly Compliance Reports shall be due by January 15, April 15, July 15, and October 15 and shall be submitted via email to the CDFW Regional Representative, as well as the Regional and Headquarters offices listed in the Notices section of the ITP. CDFW may at any time increase the timing and number of compliance inspections and reports required under this provision depending upon the results of previous compliance inspections. If CDFW determines the reporting schedule must be changed, CDFW will notify Permittee in writing of the new reporting schedule. | ITP Condition # 6.6 | Entire Project | Designated Biologist / Permittee | |
| 23 | <u>Annual Status Report</u> . Permittee shall provide CDFW with an Annual Status Report no later than January 31 of every year beginning with issuance of the ITP and continuing until CDFW accepts the <u>Final Mitigation Report</u> identified in the Condition of Approval <u>Final Mitigation Report</u> . Each Annual Status Report shall include, but not be limited to: (1) a summary of all Quarterly Compliance Reports for that year; (2) a general description of the status of the Project Area and Covered Activities, including actual or projected completion dates, if known; (3) a copy of the table in this MMRP with notes showing the current implementation status of each mitigation measure; (4) an assessment of the effectiveness of each completed or partially completed mitigation measure in avoiding, minimizing and mitigating Project impacts; (5) all available information about Project-related incidental take of the Covered Species; and (6) information about other Project impacts on the Covered Species. Annual Status Reports shall be submitted to CDFW following the directions provided in the Condition of Approval <u>Quarterly Compliance Report</u> . | ITP Condition # 6.7 | Entire Project | Permittee | |
| 24 | <u>CNDDDB Observations</u> . The Designated Biologist(s) shall submit all observations of Covered Species to CDFW's CNDDDB within 60 calendar days of the observation and the Designated Biologist(s) shall include copies of the submitted forms with the next Quarterly Compliance Report or Annual Status Report, whichever is submitted first relative to the observation. | ITP Condition # 6.8 | Entire Project | Designated Biologist / Permittee | |

| | Mitigation Measure | Source | Implementation Schedule | Responsible Party | Status / Date / Initials |
|----|--|----------------------|-------------------------|----------------------------------|--------------------------|
| 25 | <u>Notification of Take or Injury.</u> Permittee shall immediately notify the Designated Biologist(s) if a Covered Species is taken or injured by a Project-related activity, or if a Covered Species is otherwise found dead or injured within the vicinity of the Project Area. The Designated Biologist(s) or Designated Representative shall provide initial notification to CDFW by email at R4CESA@wildlife.ca.gov. The initial notification to CDFW shall include information regarding the location and number of animals taken or injured and the ITP number. Following initial notification, Permittee shall send CDFW a written report within two calendar days. The report shall include the date and time of the finding or incident, location of the animal or carcass, an explanation as to cause of take or injury, photographs, if possible, and any other pertinent information. | ITP Condition # 6.10 | Entire Project | Designated Biologist / Permittee | |
| 26 | <u>Erosion Control Materials.</u> Permittee shall prohibit use of erosion control materials potentially harmful to Covered Species and other species, such as plastic monofilament netting (erosion control matting) or similar material, in potential Covered Species' habitat. | ITP Condition # 5.8 | Entire Project | Permittee | |
| 27 | <u>Project Access.</u> Project-related personnel shall access the Project Area using existing routes and shall not cross Covered Species' habitat outside of or en route to the Project Area. Permittee shall restrict Project-related vehicle traffic to established roads, staging, and parking areas. Permittee shall ensure that vehicle speeds do not exceed 20 miles per hour to avoid Covered Species on or traversing the roads. If Permittee determines construction of routes for travel are necessary outside of the Project Area, the Designated Representative shall contact CDFW for written approval before carrying out such an activity. CDFW may require an amendment to the ITP, among other reasons, if additional take of Covered Species will occur as a result of the Project modification. | ITP Condition # 5.11 | Entire Project | Permittee | |
| 28 | <u>Staging Areas.</u> Permittee shall confine all Project-related parking, storage areas, laydown sites, equipment storage, and any other surface-disturbing activities to the Project Area using, to the extent possible, previously disturbed areas. Additionally, Permittee shall not use or cross Covered Species' habitat outside of the marked Project Area unless provided for as described in <u>Project Access</u> . | ITP Condition # 5.12 | Entire Project | Permittee | |
| 29 | <u>Hazardous Waste.</u> Permittee shall immediately stop and, pursuant to pertinent State and federal statutes and regulations, arrange for repair and clean up by qualified individuals of any fuel or hazardous waste leaks or spills at the time of occurrence, or as soon as it is safe to do so. Permittee shall exclude the storage and handling of hazardous materials from the Project Area and shall properly contain and dispose of any unused or leftover hazardous products off-site. | ITP Condition # 5.13 | Entire Project | Permittee | |
| 30 | <u>Fieldwork Code of Practice.</u> To ensure that the Designated Biologist(s) and Designated Monitors(s) do not convey disease between the Project Area and areas outside of the Project Area, the Fieldwork Code of Practice developed by the Declining Amphibian Populations Task Force (Attachment 3) shall be followed at all times. The Designated Biologist(s) and Designated Monitor(s) may substitute a bleach solution (0.5 to 1.0 cup of bleach to 1.0 gallon of water) for the ethanol solution. Care shall be taken so that all traces of the disinfectant are removed. | ITP Condition # 7.10 | Entire Project | Designated Biologist / Permittee | |

| | Mitigation Measure | Source | Implementation Schedule | Responsible Party | Status / Date / Initials |
|----|---|----------------------|-------------------------|----------------------------------|--------------------------|
| 31 | Rain Forecast. The Designated Biologist(s), Designated Monitor(s), and Permittee shall monitor the National Weather Service 72-hour forecast for the Project Area. During rainfall events and/or when a 50 percent or greater chance of rainfall is predicted within 72 hours, the Permittee shall cease all Covered Activities in the Project Area where initial ground disturbance (vegetation removal, grading, grubbing, and excavation) has yet to occur until the rainfall ceases and a zero percent chance of rain is forecast. Covered Activities may continue during rainfall events and/or when a 50 percent or greater chance of rain is forecast within portions of the Project Area that have already been cleared of Covered Species (in accordance with Conditions of Approval <u>Pre-Activity Clearance Survey and Reporting</u> , <u>Flag Burrows/Crevices</u> , and <u>Burrow/Crevice Excavation</u>) and which are surrounded by exclusion fence that has been properly maintained and is in good repair, in accordance with the Project's CDFW-approved Exclusion Fencing Plan (as detailed in Condition of Approval <u>Exclusion Fencing</u>). | ITP Condition # 7.11 | Entire Project | Designated Biologist / Permittee | |
| 32 | Soil and Materials Stockpiles. Permittee shall ensure that soil stockpiles are placed where soil will not pass into potential Covered Species breeding habitat, or into any other "Waters of the State," in accordance with Fish and Game Code section 5650. Permittee shall appropriately protect stockpiles to prevent soil erosion. Permittee shall stockpile and stage all materials in a manner that discourages Covered Species use including covering and/or elevating materials. | ITP Condition # 7.12 | Entire Project | Permittee | |
| 33 | Open Excavations. Within the distribution pipeline and water service lateral areas, the Designated Biologist(s) and/or Designated Monitor(s) shall inspect all open holes, sumps, and trenches for trapped Covered Species at the beginning and end of each day (including once daily on any other non-workdays), or as specified in the CDFW-approved <u>Covered Species Mortality Reduction and Relocation Plan</u> . Within the Well Site, the Designated Biologist(s) and/or Designated Monitor(s) shall inspect all open holes, sumps, and trenches for trapped Covered Species at the beginning of each day (including once daily on any other non-workdays). Project workers shall also thoroughly inspect all open trenches, holes, sumps, or other excavations for Covered Species (or other wildlife) before they are backfilled. If Project workers discover that Covered Species have become trapped, Project workers shall notify the Designated Biologist(s) and/or Designated Monitor(s), and all Covered Activities in the vicinity which could injure or kill the Covered Species shall cease immediately. Project workers and the Designated Biologist(s) and/or Designated Monitor(s) shall allow Covered Species to escape unimpeded, if possible, before Covered Activities are allowed to continue, or the Designated Biologist(s) may capture and relocate Covered Species in accordance with the CDFW-approved <u>Covered Species Mortality Reduction and Relocation Plan</u> . 7.7.1. Covers. The Designated Biologist(s) and/or Designated Monitor(s) shall ensure all trenches, holes, sumps, or other excavations with sidewalls steeper than a 1:1 (45 degree) slope of any depth are covered at the end of each workday with barrier material such that animals are unable to dig or squeeze under the barrier and become entrapped. The outer two feet of excavation cover shall conform to solid ground so that gaps do not occur between the cover and the ground, and the excavation cover shall be secured to prevent gaps. If a situation is encountered that this measure does not anticipate and alternative methods of preventing entrapment or injury in excavations are warranted, Permittee shall request and obtain CDFW's written concurrence prior to implementing the alternative. | ITP Condition # 7.7 | Entire Project | Designated Biologist / Permittee | |

| | Mitigation Measure | Source | Implementation Schedule | Responsible Party | Status / Date / Initials |
|----|---|----------------------|-------------------------|-------------------|--------------------------|
| 34 | <u>Vehicle and Equipment Inspection.</u> Project workers shall inspect under vehicles and equipment for Covered Species before the vehicles and equipment are moved. If Covered Species are found, Project workers shall notify the Designated Biologist(s) and/or Designated Monitor(s), and all Covered Activities in the vicinity which could injure or kill the Covered Species shall cease immediately. Project workers and the Designated Biologist(s) and/or Designated Monitor(s) shall allow Covered Species to escape unimpeded, if possible, before Covered Activities are allowed to continue, or the Designated Biologist(s) may capture and relocate Covered Species in accordance with the CDFW-approved <u>Covered Species Mortality Reduction and Relocation Plan.</u> | ITP Condition # 7.8 | Entire Project | Permittee | |
| 35 | <u>Pipes and other Structures Entrapment Prevention.</u> Permittee shall ensure that all pipes, hoses, conduit, culverts, or similar structures stockpiled or installed in the Project Area are either elevated at least 12 inches aboveground, or, if stored less than 12 inches aboveground, are capped, or otherwise enclosed at the ends to prevent access and entry by Covered Species. Project workers shall thoroughly inspect all construction pipe, culverts, or other similar structures with a diameter of one inch or greater that are stored for one or more overnight periods for Covered Species before the object is subsequently moved, buried, or capped. If Covered Species are found inside a pipe, culvert, or similar structure during inspection, Project workers shall notify the Designated Biologist(s) and/or Designated Monitor(s), and all Covered Activities in the vicinity which could injure or kill the Covered Species shall cease immediately. Project workers and the Designated Biologist(s) and/or Designated Monitor(s) shall allow Covered Species to escape unimpeded, if possible, before Covered Activities are allowed to continue, or the Designated Biologist(s) may capture and relocate Covered Species in accordance with the CDFW-approved <u>Covered Species Mortality Reduction and Relocation Plan.</u> | ITP Condition # 7.9 | Entire Project | Permittee | |
| 36 | <u>Covered Species Observations.</u> During all Covered Activities within the Project Area, all Project workers shall inform the Designated Biologist(s) and/or Designated Monitor(s) if a Covered Species is observed within or near the Project Area. All work in the vicinity of the observed Covered Species which could injure or kill the animal shall cease immediately until it moves from the Project Area of its own accord, or the Designated Biologist(s) relocates the Covered Species following the CDFW approved <u>Covered Species Mortality Reduction and Relocation Plan.</u> | ITP Condition # 7.13 | Entire Project | Permittee | |
| 37 | <u>Covered Species Injury.</u> If a Covered Species is injured because of Project-related activities, the Designated Biologist(s) shall immediately take it to a CDFW-approved wildlife rehabilitation or veterinary facility. Permittee shall identify the facility before starting Covered Activities as a component of the CDFW-approved <u>Covered Species Mortality Reduction and Relocation Plan.</u> Permittee shall bear any costs associated with the care or treatment of such injured Covered Species. The Permittee shall notify CDFW of the injury to the Covered Species immediately by telephone and e-mail followed by a written incident report as described in Condition of Approval <u>Notification of Take or Injury.</u> Notification shall include the name of the facility where the animal was taken. | ITP Condition # 7.14 | Entire Project | Permittee | |

| | Mitigation Measure | Source | Implementation Schedule | Responsible Party | Status / Date / Initials |
|--------------------------|---|----------------------|--|-------------------|--------------------------|
| 38 | <u>CDFW Access</u> . Permittee shall provide CDFW staff with reasonable access to the Project Area and shall otherwise fully cooperate with CDFW efforts to verify compliance with or effectiveness of mitigation measures set forth in the ITP. | ITP Condition # 5.14 | Entire Project | Permittee | |
| POST-CONSTRUCTION | | | | | |
| 39 | <u>Refuse Removal</u> . Upon completion of Covered Activities, Permittee shall remove from the Project Area and properly dispose of all temporary fill and construction refuse, including, but not limited to, broken equipment parts, wrapping material, cords, cables, wire, rope, strapping, twine, buckets, metal or plastic containers, and boxes. | ITP Condition # 5.15 | Post-construction | Permittee | |
| 40 | <u>Final Mitigation Report</u> . No later than 45 days after completion of all mitigation measures, Permittee shall provide CDFW with a Final Mitigation Report. The Designated Biologist(s) shall prepare the Final Mitigation Report which shall include, at a minimum: (1) a summary of all Quarterly Compliance Reports and all Annual Status Reports; (2) a copy of the table in this MMRP with notes showing when each of the mitigation measures was implemented; (3) all available information about Project-related incidental take of the Covered Species; (4) information about other Project impacts on the Covered Species; (5) beginning and ending dates of Covered Activities; (6) an assessment of the effectiveness of the ITP's Conditions of Approval in minimizing and fully mitigating Project impacts of the taking on Covered Species; (7) recommendations on how mitigation measures might be changed to more effectively minimize take and mitigate the impacts of future projects on the Covered Species; and (8) any other pertinent information. | ITP Condition # 6.9 | Post-construction and after completion of mitigation | Permittee | |
| 41 | CDFW accepts the Final Mitigation Report as complete. | ITP Condition # 6.9 | Post-construction | CDFW | |

Attachment 2

***** Please Note: While use of this form is not mandatory, CDFW strongly recommends completing this form as it will ensure the receipt of adequate information and expedite CDFW review of biologist's qualifications. *****

Name of Biologist & Contact Information

Education: (include year graduated)

Training/Workshops: (be prepared to provide copies of certificates upon request; these should be related to the Covered Species (or similar species) in the Incidental Take Permit)

Certifications: (please provide any copies of a CDFW Scientific Collecting Permit, MOU, or USFWS 10(a)(1)(A)) permit; these should be related to the Covered Species (or similar species) in the Incidental Take Permit)

Species Name #1: (Example: California Tiger Salamander)

Project Name #1 (list the information below for all projects (separately) where biologist worked with this species; projects may be listed more than once under each separate species and please only include projects on the resume that demonstrate experience with the Covered Species (or similar species) in the ITP)

Location:

Project date completed: To and from date (month and year)

Incidental Take Permit (ITP) # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Survey Hours:

Estimated Monitoring Hours:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles

Burrows excavated:

Project Name #2

Location:

Project date completed: To and from date

Incidental Take Permit # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Survey Hours:

Estimated Monitoring Hours:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles

Burrows excavated:

Project Name #3 ...

Species Name #2: (Example: Similar or related species to CTS)

Project Name #1 (list the information below for all projects (separately) where the biologist worked with this species)

Location:

Project date completed: To and from date

Incidental Take Permit # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Survey Hours:

Estimated Monitoring Hours:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles

Burrows excavated:

Project Name #2

Location:

Project date completed: To and from date

Incidental Take Permit # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Survey Hours:

Estimated Monitoring Hours:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles

Burrows excavated:

Project Name #3 ...

Include any other relevant information to the Covered Species or implementation of Conditions of Approval in the ITP

The Declining Amphibian Task Force Fieldwork Code of Practice

A code of practice, prepared by the Declining Amphibian Task Force (DAPTF) to provide guidelines for use by anyone conducting field work at amphibian breeding sites or in other aquatic habitats. Observations of diseased and parasite-infected amphibians are now being frequently reported from sites all over the world. This has given rise to concerns that releasing amphibians following a period of captivity, during which time they can pick up unapparent infections of novel disease agents, may cause an increased risk of mortality in wild populations. Amphibian pathogens and parasites can also be carried in a variety of ways between habitats on the hands, footwear, or equipment of fieldworkers, which can spread them to novel localities containing species which have had little or no prior contact with such pathogens or parasites. Such occurrences may be implicated in some instances where amphibian populations have declined. Therefore, it is vitally important for those involved in amphibian research (and other wetland/pond studies including those on fish, invertebrates and plants) to take steps to minimize the spread of disease and parasites between study sites.

1. Remove mud, snails, algae, and other debris from nets, traps, boots, vehicle tires and all other surfaces. Rinse cleaned items with sterilized (e.g. boiled or treated) water before leaving each study site.
2. Boots, nets, traps, etc., should then be scrubbed with 70% ethanol solution (or sodium hypochlorite 3 to 6%) and rinsed clean with sterilized water between study sites. Avoid cleaning equipment in the immediate vicinity of a pond or wetland.
3. In remote locations, clean all equipment as described above upon return to the lab or "base camp". Elsewhere, when washing machine facilities are available, remove nets from poles and wash with bleach on a "delicates" cycle, contained in a protective mesh laundry bag.
4. When working at sites with known or suspected disease problems, or when sampling populations of rare or isolates species, wear disposable gloves and change them between handling each animal. Dedicate sets of nets, boots, traps, and other equipment to each site being visited. Clean and store them separately and the end of each field day.
5. When amphibians are collected, ensure the separation of animals from different sites and take great care to avoid indirect contact between them (e.g. via handling, reuse of containers) or with other captive animals. Isolation from un-sterilized plants or soils which have been taken from other sites is also essential. Always use disinfected/disposable husbandry equipment.
6. Examine collected amphibians for the presence of diseases and parasites soon after capture. Prior to their release or the release of any progeny, amphibians should be quarantined for a period and thoroughly screened for the presence of any potential disease agents.
7. Used cleaning materials (liquids, etc.) should be disposed of safely and if necessary taken back to the lab for proper disposal. Used disposable gloves should be retained for safe disposal in sealed bags.