

## **PROJECT DESCRIPTION**

The Proposed Project consists of the construction of a new wastewater treatment plant (“WWTP”) facility, and the subsequent demolition of the existing WWTP. Additionally, potable and recycled water pipelines would be constructed within the right-of-way of Walnut Avenue west towards Thorp Avenue. The Proposed Project would construct additional recycled water pipeline located in the access road between the WWTP and effluent disposal site; a recycled water pump station would be constructed on the existing effluent disposal site. The Proposed Project would improve utilities onsite and in portions of Walnut Avenue west towards Thorp Avenue and the access road between the WWTP and existing effluent disposal site. The Proposed Project would improve the performance of the existing WWTP to ensure the facility can accommodate future flows, comply with current water quality standards, decrease reliance on groundwater supplies, and improve performance.

## **MITIGATION MEASURES**

### **Mitigation Measures – Aesthetic Resources**

**Mitigation Measure AES-1:** Prior to the start of construction, a qualified lighting engineer shall prepare a comprehensive lighting plan for review and approval by the City of Greenfield Public Works Director. The lighting plan shall be prepared by a qualified lighting engineer and shall be in compliance with all applicable standards of the City’s Municipal Code. The lighting plan shall address all aspects of lighting, including infrastructure, on-site driveways, safety signage and security lighting, as applicable. The lighting plan shall include, but not be limited to the following:

- Exterior on-site lighting shall be shielded, downlit, and confined in site boundaries.
- No direct rays or glare are permitted to shine onto public streets or adjacent sites.
- Parking area lighting shall include cut-off fixtures, and light standards shall not exceed 25-feet in height.
- On-site illumination shall be consistent with the standards and recommendations of the Illuminating Engineering Society of North America.
- Nighttime construction schedule and notice to residences 48 hours in advance.

### **Mitigation Measures – Air Quality**

**Mitigation Measure AQ-1:** Prior to start of construction, the contractor shall prepare a Construction Phasing Plan that limits daily ground disturbing activities to no more than 2.2 acres per day of major earth moving or 8.1 acres per day of minimal earth moving. The Construction Phasing Plan shall be included as part of the final grading plans prepared for the Proposed Project and shall also identify applicable BMPs to be implemented during construction to ensure that fugitive dust emissions are minimized. The Construction Phasing Plan shall be submitted to the City of Greenfield Director of Public Works for review and approval prior to the start of construction.

### **Mitigation Measures – Biological Resources**

**Mitigation Measure BIO-1:** Prior to construction activities, the City of Greenfield or their designated representative shall retain a qualified biologist to conduct an Employee Education Program for the construction crew. The biologist shall meet with the construction crew at the Proposed Project site at the onset of construction to educate the construction crew on the following: a) a review of the project

boundaries; b) all special-status species that may be present, their habitat, and proper identification; c) the specific mitigation measures that will be incorporated into the construction effort; d) the general provisions and protections afforded by the regulatory agencies; and e) the proper procedures if a special-status animal is encountered in the Proposed Project site.

**Mitigation Measure BIO-2:** Prior to ground disturbing activities in the effluent disposal site adjacent to scrub habitat, a qualified biologist shall conduct a clearance survey in suitable habitat for San Joaquin whipsnake. If San Joaquin whipsnake is observed during construction, measures will be taken to avoid the individual(s) and the species will be allowed to leave on its own volition or will be relocated outside of the survey area by the qualified biologist.

**Mitigation Measure BIO-3:** Construction activities that may directly (e.g., vegetation removal) or indirectly affect (e.g., noise/ground disturbance) nesting raptors and other protected avian species shall be timed to avoid the breeding and nesting seasons (February 1 through September 15).

If construction activities must occur during the breeding and nesting season (February 1 through September 15), a qualified biologist shall conduct pre-construction surveys for nesting raptors and other protected avian species in 300 feet of the proposed construction activities. Pre-construction surveys should be conducted no more than 7 days prior to the start of the construction activities during the early part of the breeding season (February through April) and no more than 14 days prior to the initiation of these activities during the late part of the breeding season (May through August).

If raptors or other protected avian nests are identified during the pre-construction surveys, the qualified biologist would notify the contractor and an appropriate no-disturbance buffer would be imposed in which no construction activities or disturbance would take place (generally 300 feet in all directions for raptors; other avian species may have species-specific requirements) until the young of the year have fledged and are no longer reliant upon the nest or parental care for survival, as determined by a qualified biologist.

### **Mitigation Measures – Cultural Resources**

**Mitigation Measure CUL-1:** To minimize potential impacts to unknown buried human remains to less than significant, the contractor will immediately halt work in the event of the discovery or recognition of any human remains. No further excavation or ground disturbing activities will occur at the site or nearby area suspected to overlie adjacent remains until the Monterey County coroner has been contacted in accordance with Section 7050.5 of the California Health and Safety Code. If the Coroner recognizes the human remains to be those of a Native American or has reason to believe that they are those of a Native American, the Coroner shall ensure that notification is provided to the NAHC within twenty-four hours of the determination, as required by California Health and Safety Code Section 7050.5(c) and PRC 5097. The NAHC shall identify the person or persons it believes to be most likely descended (“MLD”) from the deceased Native American (PRC Section 5097.98). The designated MLD then has 48 hours from the time access to the property is granted to make recommendations concerning treatment of the remains (AB 2641). If the landowner does not agree with the recommendations of the MLD, the NAHC can mediate (Section 5097.94 of the Public Resources Code). If no agreement is reached, the landowner must rebury the remains where they will not be further disturbed (Section 5097.98 of the Public Resources Code). This will also include either recording the site with the NAHC or the appropriate Information Center; using an open space or conservation zoning designation or easement; or recording a document with the county in

which the property is located (AB 2641). Work will not resume in the immediate area of the discovery until such time the remains have been appropriately removed from the site.

**Mitigation Measure CUL-2:** If human remains are found at any time, work must be stopped and the Coroner must be notified immediately. If the Coroner determines that the remains are Native American, the Native American Heritage Commission will be notified as required by law. The commission will designate a Most Likely Descendant who will be authorized to provide recommendations for management of the Native American human remains. (Ref. California Public Resources code Section 5097.98; and Health and Safety code Section 7050.5).

### **Mitigation Measures – Hazards and Hazardous Materials**

**Mitigation Measure HAZ-1:** Prior to issuance of a grading permit, the contractor shall prepare a Hazardous Materials Spill Prevention and Control Plan that addresses potential impacts associated with hazardous material usage during construction and operation. The plan shall, at a minimum, consist of the following:

- Identify applicable safety and clean-up procedures in the event of a spill.
- Designate construction staging areas where hazardous materials may be stored. All staging areas shall be located outside of sensitive biological areas. Staging areas shall be designed to contain runoff to prevent contaminants (e.g., oil, grease, fuel products, etc.) from draining towards receiving waters and sensitive areas.
- Identify appropriate emergency notification procedures and emergency contacts (e.g., County of Monterey Environmental Health, City of Greenfield Fire, etc.).
- Designated location where a spill kit shall be maintained on-site throughout the Project.
- Identify dedicated storage areas where hazardous material may be stored and/or used during operation.

### **Mitigation Measures – Noise**

**Mitigation Measure NOS-1:** Contractor specifications shall include a requirement that construction equipment shall be equipped with noise reducing engine housings or other noise reducing technology. Nearby sensitive receptors in 100 feet of the limits of construction shall be blocked by portable acoustic barriers and/or shields to reduce noise levels such that noise levels are no more 75 dBA (or, A-Weighted Sound Level) at 25 feet. This would reduce the nighttime noise level to less than 60 dBA Leq (Equivalent Noise Level) at the nearest residence. The contractor shall submit to the City of Greenfield Public Works Director, a “Construction Noise Control Plan” for review and approval. The plan shall identify all feasible noise control procedures that would be implemented during construction activities. At a minimum, the plan shall specify the noise control treatments to achieve the specified above noise performance standard.

**Mitigation Measure NOS-2:** Residences and other sensitive receptors in 250 feet of a construction area shall be notified of the construction location and schedule in writing, at least two weeks prior to the commencement of construction activities. The notice shall also be posted along Walnut and Second Avenue where construction activities are planned and at the Project site (i.e., WWTP). The contractor shall designate a noise disturbance coordinator who shall be responsible for responding to complaints regarding construction noise. The coordinator shall determine the cause of the complaint and ensure that reasonable measures are implemented to correct the problem. A contact number for the noise disturbance coordinator shall be conspicuously placed on construction site fences and included in the

notification sent to nearby residences. The City of Greenfield Public Works Director shall review and approve the construction notice prior to distribution.

#### **Mitigation Measures – Tribal Resources**

**Mitigation Measure TR-1:** Prior to ground disturbance activities, a Tribal Cultural monitor shall provide cultural sensitivity training to all construction personnel. The training shall explain applicable statutes, regulations, enforcement provisions; the prehistoric and historic environmental setting and context, local tribal groups; show sample artifacts; and what prehistoric and historic archaeological deposits look like at the surface and when exposed during construction. Construction personnel shall not be permitted to operate equipment within the construction area unless they have attended the training. A list of the names of all personnel who attended the training, and copies of the signed acknowledgement forms shall be submitted to the City of Greenfield Director of Public Works or a designee.

#### **Mitigation Measures – Utilities and Service Systems**

**Mitigation Measure UTL-1:** Prior to start of construction, the contractor shall prepare and submit a Construction Waste Reduction and Recycling Plan. The contractor shall prepare and implement a construction waste reduction and recycling plan identifying the types of debris the project will generate and the manner in which those waste streams will be handled. In accordance with the California Integrated Waste Management Act of 1989, the plan shall emphasize source reduction measures, followed by recycling and composting methods, to ensure that construction and demolition waste generated by the Proposed Project is managed consistent with applicable statutes and regulations. In accordance with the California Green Building Standards Code and local regulations, the plan shall specify that all trees, stumps, rocks, and associated vegetation and soils, and 50 percent of all other nonhazardous construction and demolition waste, be diverted from landfill disposal. The plan shall be prepared in coordination with the Salinas Valley Solid Waste Authority and be consistent with Monterey County's Integrated Waste Management Plan. Upon project completion, the City of Greenfield Public Works Director shall collect the receipts from the contractor(s) and maintain them as documentation that the waste reduction, recycling, and diversion goals have been met.