



CITY OF LOMPOC
Draft Mitigated Negative Declaration
State Clearinghouse Number. _____
February, 2021

A. PROJECT INFORMATION:

Project Title: Floradale Crossing Sewer Line Directional Drill	Project No: ER20-19
Lead Agency Name and Address: City of Lompoc, 100 Civic Center Plaza, Lompoc, CA 93436	Contact Person and Phone Number: Stacy L. Lawson, Senior Environmental Coordinator (805) 875-8273

PROJECT DESCRIPTION:

Background

In 1974 double 8-inch ductile iron pipes (DIP) were placed under the Santa Ynez River in a 20-foot easement, to carry sewage from Vandenberg Village to the Lompoc Regional Wastewater Reclamation Plant.

In 1979, a scouring event compromised the two 8-inch lines and they were replaced with a single 10-inch DIP, mounted under the existing Floradale Bridge, carrying sewage from Vandenberg Village across the Santa Ynez River, down Floradale Avenue to Central Avenue and from there to the Lompoc Regional Wastewater Reclamation Plant.

In the spring of 2021, Santa Barbara County plans to begin replacement of the Floradale Bridge, relocating it 60 feet west of the existing bridge. The bridge replacement requires approximately 1,400 feet of the existing sewer line to be relocated. If the line were to be relocated onto the bridge, it will be encased within a 24-inch welded steel pipe, hampering necessary maintenance and repair. As an alternative, the City of Lompoc has chosen to utilize an existing 20-foot sewer line easement to place two inverted 12-inch siphon sewer lines below the Santa Ynez River, using directional drilling technology.

Project Location

The directional drill will cross the Santa Ynez River within the existing 20-foot easement, which is located approximately 188 feet east (upstream) of the existing Floradale Bridge to the existing utility vault and alignment of the historic sewer line (Figure 2). The entrance pit will be located on the south west bank of the Santa Ynez River, where the riverbed curves west and is approximately 413 feet wide. The exit pit will be located on the north bank of the Santa Ynez River along the Prison's Rancho Lompoc Farm Road, where the river's bed extends approximately 271 feet to the south. There is a significant distance between the south bank of the river's bed at the point of crossing and the staging area.

Project Description

The project proposes to install approximately 700 feet of inverted siphon interceptor sewer line using two 12-inch diameter High Density Polyethylene (HDPE) pipes and Horizontal Directional Drilling (HDD) trenchless technology boring under the Santa Ynez River. The second 12-inch pipe is intended to provide redundancy, stability and to allow for maintenance or repair.

The sewer lines will be placed east (upstream) of the existing Floradale Bridge, extending from the southeast side of the existing Floradale Bridge, under the Santa Ynez River to the northeast side existing Floradale Bridge, within the existing 20-foot easement.

The entrance pit staging areas on the south and north sides of the river will measure 40 feet by 100 feet. The entrance and exit pits, along with the staging area for this project will be located within the existing right-of-way of Floradale / Santa Lucia Canyon Road, and the utility easement adjacent to the prison farm road. The directional drill will be accomplished in a straight south/north line, within the existing 20-foot wide easement (DACA09-2-76-394). The length of the bore is estimated at 750 feet. A pipe layout area will be located on the south side of the river and east side of Floradale Avenue, extending south for approximately 580 feet from the entrance pit. The entrance pit is planned at an estimated elevation of 66 feet. The drilled line(s) will trend downward at an approximate 45-degree angle to an elevation of 20 feet above sea level, approximately 25 feet below the existing ground surface. From there the line will extend across the river for approximately 250 feet and then will trend upward at an approximate 45-degree angle to an elevation of 60 feet on the north side of the River. The depth of the proposed directional drill accounts for anticipated scour depths over a 75-year horizon.

Project Construction

The directional drilling is scheduled to take place in the fall of 2021, between September 15 and November 1, when river flow is lowest and the bird nesting season is over. Construction is anticipated to require four to five weeks to complete, involving a light horizontal directional drill rig, a support truck, a drill stem trailer and a water truck, along with small excavators, loaders and 3 to 5 utility trucks to transport four drill operators, a supervising engineer and a biologist.

Work hours are to be from 7:00 a.m. to 7:00 p.m., Monday through Friday. The drill crew will work single 10-hour shifts, 5 days per week for the horizontal directional drilling portion of the project.

No work shall be performed at night, on Saturdays, Sundays or on federal holidays, except with the express permission of, and under conditions stipulated in writing by the City Engineer. Before performing any work at said times, the Contractor shall give written notice to the City Engineer so that proper inspection may be provided. "Night," as used in this paragraph, shall be deemed to include the hours from 5:00 p.m. to 7:00 a.m., of the next succeeding day.

Due to bore-hole instability, the request to work longer hours on a given day to prevent inadvertent returns may be made. Pullback operations will be worked continuously without stopping until the pipe is properly located. Night work will involve lighting, as necessary, that will be screened and directed downward, and when possible, away from the river's riparian edge.

When required, night work will include 2 LED Mobile Light Towers, screened and directed downward as much as possible. These lights would be expected to be Diesel / T4 engine, 6 KW Power, with a 33.6 gallon fuel tank. Four (4) Light fixtures at 1050 KW generating total lumens of 462,000.

The work area shall be flagged to identify its limits within the stream, not to exceed 10 feet upstream or 10 feet downstream from the centerline of the exit or entrance pits.

During the month of project construction, the Floradale Bridge replacement being undertaken by the County of Santa Barbara is anticipated to be in progress and will incorporate a Temporary Clear Water Diversion of existing stream flows in the Santa Ynez River during bridge removal, channel improvements and bridge construction. A Temporary Clear Water Diversion is anticipated for two working seasons from June 1, 2021 through October 31 2022.

Access

A partial street closure of the northbound lane of Floradale Avenue / Santa Lucia Canyon Road may be required at times during the proposed directional drilling project. A traffic management plan will be prepared and implemented, should lane closure be required.

Fueling

Equipment will be fueled on-site, at locations a minimum of 100 feet from the river's banks. Fueling will only take place over visqueen to protect soils and a spill kit and absorbent will be readily available on-site at all times. Smoking at the job site will be prohibited and a fire extinguisher will be required to be readily available at all times.

Frac-out

A Frac-out Contingency Plan shall be prepared, and adhered to, during all directional drilling activity. Containment materials (Straw waddles, silt fencing, sand bags, frac-out barrels, etc.) shall be staged on-site at a location where they are readily available and easily mobilized for immediate use in the event of an accidental release of drilling mud (frac-out).

Clean-up of any frac-outs in upland riparian areas shall be accomplished to minimize impact to riparian areas, and preferably by hand. The frac-out shall be contained with straw waddles, allowing it to dry, and then shoveled off the surface in riparian areas.

Bentonite Disposal

The bentonite clay used in the drilling process shall be either disposed of at an approved Class II disposal facility or recycled in an approved manner. Other construction materials and wastes shall be recycled, or disposed of, as appropriate.

Plumbing Connections

To prohibit and limit any spills, the inverted siphon wastewater line will have an inlet chamber with shut-off valve provisions located on the northern end of the directional drilled line and an outlet chamber with provisions to prevent backflow on the southern portion of the directional drilled line.

Biological Monitoring

Project activities shall be conducted outside of the bird nesting season, after September 15. Pre-construction surveys will be conducted within two-weeks of the beginning of construction. In addition, it is anticipated, with the ongoing construction of the Floradale Bridge, substantial disturbance of the project site will already be occurring.

The project shall be completed when the Santa Ynez River is dry or when water has been diverted to accomplish the Floradale Bridge replacement. In any case, this shall also be accomplished before November 1, 2021 or if delayed for a year, before November 1, 2022.

If Southwestern Willow Flycatcher or Least Bell's Vireo individuals or other special status species are identified in the project area, the recommendations of the qualified biologist, in coordination with CDFW and the USFWS, shall be followed.

A biological monitor will place exclusionary fencing around the entry and exit pits to protect Red-legged frogs. Exit and entry pits shall be enclosed by silt fences and straw wattles, if they are not on paved areas.

Any work required to address frac-outs within the banks of the river shall be accomplished by hand labor using hand tools.

PROJECT LOCATION:

Southeast side Floradale Bridge to Northeast side Floradale Bridge, crossing within a 20-foot easement east (upstream) of the existing Floradale Bridge. (Figures 1 and 2).

Public Agencies with Approval Authority (Including permits, funding, or participation agreements):

City of Lompoc
 Vandenberg Village Community Services District
 California Department of Fish and Wildlife – Streambed Alteration Agreement
 County of Santa Barbara – Encroachment Permit
 United States Bureau of Prisons – existing easements on USBOP lands.

Project Sponsor’s Name and Address:

City of Lompoc Wastewater Division
 1801 West Central Avenue
 Lompoc, CA 93436
 (805) 736-5083

Project Consultant:

N/A

General Plan Designation:

Open Space

City Zoning Designation:

Open Space / Public Facilities

Surrounding Land Use Designation:

North – Open Space
 South – Open Space
 East - Open Space
 West - Open Space

Surrounding Land Uses:

North – United States Bureau of Prisons Complex Farm
 South – Agricultural Fields
 East - Santa Ynez River & Riparian Vegetation
 West - Santa Ynez River & Riparian Vegetation

Environmental Setting:

The proposed directional drilling project entrance pit and staging area will be located in the eastern right-of-way of Floradale Avenue, south of the existing Santa Ynez River’s Floradale Bridge. An existing 20-foot utility easement will be used for the sewer line to cross under the river, to connect with sewer line on U.S. Penitentiary property. The project is anticipated to be completed during the time a much larger replacement and demolition of the existing Floradale Bridge will be ongoing.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a “Potentially Significant Impact”, as indicated by the checklist on the following pages.

- Aesthetics Agricultural & Forest Resources Air Quality
- Biological Resources Cultural Resources Energy
- Geology & Soils Green House Gases Hazards & Hazardous Materials
- Hydrology & Water Quality Land Use & Planning Mineral Resources
- Noise Population & Housing Public Services
- Recreation Transportation & Circulation Tribal Cultural Resources
- Utilities / Service Systems Wildfire Mandatory Findings of Significance

B. PROJECT PURPOSE:

The proposed directional drilling project’s purpose is to replace sewer line serving Vandenberg Village that is currently located on the Floradale Bridge which is to be demolished. The project would relocate the sewer line under the Santa Ynez River, below the scour line, to connect with a replacement line on the north side of the river that serves Vandenberg Village.

C. ENVIRONMENTAL IMPACTS:

The following checklist indicates the potential level of impact that is defined as follows:

Potentially Significant Impact: A fair argument can be made, based on substantial evidence in the file, that an adverse impact may be significant.

Less Than Significant Impact with Mitigation: Incorporation of mitigation measures has reduced an impact from a Potentially Significant Impact to a Less Than Significant Impact.

Less Than Significant Impact: An impact is considered adverse but does not trigger a significance threshold.

No Impact: There is adequate support the referenced information sources show the identified impact simply does not apply to the subject project.

I. AESTHETICS Would the project:	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?				X
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?				X
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? If the project is in an urbanized				X

area, would the project conflict with applicable zoning and other regulations governing scenic quality?				
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?				X

Comments:

- a. The proposed directional drilling project will not have a substantial adverse effect on a scenic vista, as there is no scenic vista identified in the City of Lompoc’s 2030 General Plan, within the project area.
- b. The proposed project is located along Floradale Avenue / Santa Lucia Canyon Road, which is a designated Scenic Road Corridor in the City of Lompoc’s 2030 General Plan. Construction work along this roadway will be temporary, and the final project will not be visible from the roadway, as the line will be underground. The roadway is not a designated state scenic highway, and no impacts to trees, rocks are proposed. There are no historic buildings within the project area. Therefore, the project will not substantially damage scenic resources.
- c. The proposed project will not substantially degrade the existing visual character of public views, as the utility infrastructure will be located underground and will not be visible from the roadway.
- d. The proposed project will not include the installation of any lighting fixtures or use of shiny or reflective materials. Project-related construction activities may require occasional temporary night lighting to ensure the drilling activity can continue to a point of stoppage. If needed, night lighting will be screened and directed at the area of work at the entrance and exit pits, which are outside of the riverbed. There are no residences or light-sensitive receptors adjacent to, or near, the project site that would be affected by night lighting during construction. Construction is planned prior to the time change so natural light will extend further into the evening at the time of construction. A temporary construction trailer may be used.

LESS THAN SIGNIFICANT IMPACT

II. AGRICULTURAL AND FOREST RESOURCES	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?				X
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?				X
c) Conflict with existing zoning for, or cause rezoning of, forest land, timberland, or timberland zoned Timberland Production.				X
d) Result in the loss of forest land or conversion of forest land to non-forest use?				X
e) Involve other changes in the existing environment which, due to their location or nature, could result in				X

conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?				
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Comments:

- a. Property in the vicinity of the project area is designated as “Prime Farmland” and “Farmland of Local Importance” (2014). However, the proposed project will be accomplished outside the area of prime farmland and farmland of local importance, and will include right-of-way and existing disturbed areas adjacent to the east side of the Floradale Avenue roadway and ruderal, non-farm areas on the south side of Rancho Lompoc Farm Road, on the north side of the river. No conversion of farmland or action resulting in conversion to non-agricultural use will occur as a result of the proposed project.
- b. The proposed project will not conflict with existing zoning for agricultural use or a Williamson Act contract, as the project site is located within road rights-of-way and areas zoned Open Space, not under agricultural use or Williamson Act contract.
- c. The proposed project will not conflict with existing zoning or cause rezoning of forest land or timberland, as no forest or timberland exists within the project site or surrounding area.
- d. The proposed project will not result in the loss of forest land or conversion of forest land to non-forest use, as no forest or timberland exists within the project site or surrounding area.
- e. The proposed project will not involve other changes to the existing environment, which, due to their location or nature will not involve conversion of forest or farmland to non-agricultural use. .

NO IMPACT

III. AIR QUALITY Would the project:	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?				X
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state air quality standard.				X
c) Expose sensitive receptors to substantial pollutant concentrations?				X
d) Result in other emissions (odors) adversely affecting a substantial number of people?				X

Background

The project site is located in the City of Lompoc, Santa Barbara County, under the jurisdiction of the Santa Barbara County Air Pollution Control District (SBCAPCD), responsible for enforcing standards and regulating stationary sources. The SBCAPCD was designated as being in unclassifiable / attainment for the 2015 revised federal 8-hour ozone standard on April 30, 2018. The County is in attainment for the State 8-hour ozone standard and is unclassified for the State

PM2.5 standard, but is in nonattainment for the state PM10 (particulate matter with a diameter of 10 micrometers or less) standard.

- a. The proposed directional drilling project will not conflict with, or obstruct, implementation of the Clean Air Plan, because it will not generate additional development or growth. The dual 12-inch sewer lines are intended to provide for redundancy and stability and not to generate unanticipated unplanned growth.
- b. The proposed project will not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state air quality standard. The directional drilled relocation of the sewer line crossing the Santa Ynez River will not emit pollutants, NOx, ROC, or cause or contribute to a violation of any California or National Ambient Air Quality Standard and will not exceed the APCD health risk public notification thresholds adopted by the APCD Board. The proposed project will be consist with the adopted federal and state Air Quality Plans. With no operational emissions, the project will emit less than 25 lbs. per day of NOx and ROC. The SBCAPCD does not have established thresholds of significance for construction activities. During construction the drilling equipment is not anticipated to generate substantial dust or airborne particulates and the limited number of vehicles and drill equipment needed for the project will not exceed daily pollutant limits.
- c. The proposed project would not expose sensitive receptors to substantial pollutant concentrations, as there are no anticipated substantial airborne pollutants resulting from project operations, and there are no sensitive receptors within the project area.
- d. The proposed project will not generate airborne emissions, or odors, as it is an enclosed directional drilled underground utility pipeline.

NO IMPACT

IV. BIOLOGICAL RESOURCES Would the project:	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?		X		
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?		X		
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				X
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with				X

established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?				
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				X
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				X

Background

The following vegetative communities and land cover types were identified within the project area of the directional drilling alignment from the drill entrance pit to the exit pit. Coyote Brush Scrub, Eucalyptus, Central Coast Willow Forest, and Non-Native Grasses.

The main channel of the Santa Ynez River is a Water of the United States, and is associated with the Central Coast Willow Forest, dominated by arroyo willow (*Salix lasiolepis*), red willow (*Salix laevigata*), and patches of sandbar willow (*Salix exigua*) and with mule fat (*Baccharis salicifolia*) and California blackberry (*Rubus ursinus*) as understory in undisturbed areas.

Coyote brush scrub occurs in some locations at the outer edge of the willow forest. This vegetation community grows on less mesic sites than do the riparian communities. Coyote brush scrub is characterized by coyote brush (*Baccharis pilularis*) with associated species including blue elderberry (*Sambucus nigra* ssp. *caerulea*) and California sagebrush (*Artemisia californica*). Eucalyptus woodlands occur in narrow, planted strips of trees with very little undergrowth.

In the more disturbed portion of this habitat, the understory consists of native and non-native forbs and grasses, including black mustard (*Brassica nigra*), summer mustard (*Hirschfeldia incana*), rough cocklebur (*Xanthium strumarium*), Canada horseweed (*Erigeron canadensis*), bristly ox-tongue (*Picris echioides*), and biennial wormwood (*Artemisia biennis*).

Special-Status Plant Species

While there is low potential for these species to recruit into the project site, suitable habitat exists for California sawgrass (*Cladium californicum*) (California Rare Plant Rank [CRPR] List 2.2) and black-flowered figwort (*Scrophularia atrata*) (CRPR List 1B.2).

Special-Status Wildlife Species

The project area is located within the USFWS-designated critical habitat area for the southern California steelhead (*Oncorhynchus mykiss*). River flows during relatively higher seasons facilitate movement of this species upriver to spawning areas. (California Department of Fish and Wildlife [CDFW] 1996).

Suitable Habitat also exists in the project area for Southwestern Willow Flycatcher (*Empidonax traillii extimus*), Least Bell's Vireo (*Vireo bellii pusillus*), Western Yellow-billed Cuckoo (*Coccyzus americanus occidentalis*), Yellow Warbler (*Setophaga petechia*), and Yellow-Breasted Chat (*Icteria virens*)

The California red-legged frog (*Rana draytonii*) has the potential to occur within the project site for at least a portion of its life cycle. A California red-legged frog a federal-listed threatened and California species of specials concern, was found in the Santa Ynez River, less than 1 mile to the west of the project area (CDFW 2017).

Other special-status reptiles that could occur in the project area include the two-striped garter snake (*Thamnophis hammondi*), Blainville's horned lizard (= coast horned lizard (*Phrynosoma blainvillii*), and the southwestern pond turtle (*Actinemys pallida*). Suitable Foraging Habitat also exists for Yuma myotis (*Myotis yumanensis*), silver-haired bat (*Lasiurus noctivagans*), pallid bat (*Antrozous pallidus*) and hoary bat (*Lasiurus cinereus*). The pallid bat is a California state species of special concern. The other three bat species are regional species of concern.

Comments:

a) The proposed project will not have a substantial adverse effect, either directly or through habitat modifications, on any species identified as candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service, with implementation of proposed mitigation measures B-1 to B-7. The project does not involve vegetation removal, and the entrance and exit pits are outside the banks of the waterway, in areas devoid of vegetation, or having only ruderal vegetation. Presence of special-status species will be presumed. Construction timing will be limited to after bird nesting season, September 15 – October 31st, and pre-construction surveys will be conducted to look for special-status fauna.

b) The proposed project will not have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service, with the implementation of proposed mitigation measures B-1 to B-7. The proposed project is the placement of an underground directionally drilled sewer line. It does not involve native vegetation removal, and the entrance and exit pits are in areas devoid of vegetation or in areas of only ruderal vegetation. The primary vegetation communities in this vicinity include Coyote Brush Scrub and eucalyptus in the area of the entrance pit and staging area, ruderal vegetation and non-native grasses in the area of the exit pit, and Central Coast Willow Forest within the stream channel. Due to the use of horizontal direction drilling technology, no effects to the Central Coast Willow Forest habitat are anticipated.

c) The proposed project will not have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal wetlands, etc.) through direct removal, filling, hydrological interruption, or other means, as the project does not involve wetland impacts, removal, filing, or interruption. The project is the placement of underground sewer line via directional drilling below the scour line of the Santa Ynez River. Portions of the waterway will be diverted during the construction of the new Floradale Bridge and demolition of the existing Floradale Bridge, anticipated to be concurrent with the three- to four-week directional drilling time frame. As the project does not propose work between the banks of the river, no impact is anticipated.

d) The proposed project will not interfere substantially with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors. The project will not impede the use of native wildlife nursery sites. The project entails temporary directional drilling to place a sewer line below the scour depth of the Santa Ynez River. The construction will take 3-4 weeks and is scheduled for September 15 to October 31, when river flows are lowest. Work will not take place within the riverbed, but from beyond each of the northern and southern banks. The separate Floradale Bridge project, being undertaken by Santa Barbara County is anticipated to temporarily divert the streamflow as a part of construction of the new bridge and demolition of the old bridge during Summer and Fall 2021 and 2022.

e) The proposed project will not conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance, as no trees or vegetation are proposed to be removed, and no permanent above-ground structures are proposed to be constructed. This is a sewer line directional drilling project only.

f) The proposed project will not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan, as there are no such plans applicable to this location.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

V. CULTURAL RESOURCES Would the project:	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?		X		
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?		X		
c) Disturb any human remains, including those interred outside of formal cemeteries?		X		

Comments:

a) The proposed project will not cause a substantial adverse change in the significance of a historical resource, as there are no historical resources identified within the project area. ESA/CA SBA-2268H is located northwest of the proposed project area at the NW corner of the intersection of Western Prison Farm Road and Santa Lucia Canyon Road, across the street and some distance from the project site. Mitigation Measure CR-1 is recommended, applying Standard Discovery Conditions to address the potential for accidental discovery of cultural resources.

b) The proposed project will not cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5, as there are no known resources located in the directional drilling alignment (existing 20-foot easement), entrance or exit pit or staging area. CA-SBA-2267 is located on the bluff north of the existing Eastern Prison Farm Road, at least 147-foot north of the area of the directional drilling exit pit and location of connection to the existing sewer line. The proposed pipe installation will be directional drilled underground and will not disturb unidentified cultural resources. Mitigation Measure CR-1 is recommended, applying Standard Discovery Conditions to address the potential for accidental discovery of cultural resources when excavating the entrance and exit pits.

c) The proposed project is not anticipated to disturb any human remains, as the project entry and exit excavations will be limited in size, located in previously disturbed areas, and no historic burial sites have been identified in the region. Mitigation Measure CR-1 is recommended to apply Standard Discovery Conditions in case of accidental discovery of human remains.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

VI. ENERGY	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			x	X
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			x	X

Comments:

a. The proposed project would not result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project operation. Energy required to directional drill the subject sewer lines will be limited and the project does not require pumps, but operates by gravity flow.

b. The proposed project would not conflict with, or obstruct, a state or local plan for renewable energy or energy efficiency, including the state's Energy Action Plan II, and its 2008 update. This gravity flow sewer line segment relocation does not conflict with the Key Actions found in the Energy Action Plan II and its update.

NO IMPACT

VII. GEOLOGY AND SOILS	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: I), Rupture of a known earthquake fault as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area, or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.				X
ii) Strong seismic ground shaking?				X
iii) Seismic-related ground failure, including liquefaction?				X
iv) Landslides?				X
b) Result in substantial soil erosion or the loss of topsoil?				X
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?				X
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?				X

e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?				X
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?				X

Comments:

a. The proposed project will not result in strong seismic ground shaking, seismic related ground failure, liquefaction or landslides. No major faults are located in or adjacent to the project area. The closest fault is the Santa Ynez River Fault, several miles to the south, and there are no Alquist Priolo Zone Faults in the region. Directional drilling of the sewer line will not result in seismic activity, liquefaction or landslide.

b. The proposed project will not result in substantial soil erosion or loss of topsoil, as the project is a directional drill, and the entrance and exit pits are limited in size and will be located a significant distance from the banks of the river on level ground. The entry and exit pits will be limited in size, and located a significant distance from the river's banks.

c. The proposed project will not be constructed in an unstable geologic unit, and will not result in on-or off-site landslide, lateral spreading, subsidence, liquefaction or collapse. The proposed directional drilled sewer line will be underground and the entry and exit pits will be on level ground a significant distance from the banks of the river.

d. The proposed project will not involve impacts associated with septic tanks or alternative wastewater disposal systems. The project does not involve development of structures or improvements, no septic systems are proposed, and a hydrology report identifying the scour depth at this point in the Santa Ynez River has been reviewed. The project has been designed with this scour depth in mind.

e. The proposed project does not involve the installation or operation of septic tanks, or wastewater systems where sewers are not available. The proposed project is the replacement of an existing sewer line.

f. The proposed project will not directly or indirectly destroy unique paleontological resources, sites or unique geologic features, as it is a directional drill to a depth of approximately 46 feet beneath the Santa Ynez Riverbed. As such, it is not likely to encounter, or destroy any unique geologic or paleontological features.

LESS THAN SIGNIFICANT IMPACT

VIII. GREENHOUSE GAS EMISSIONS	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Generate greenhouse gas emissions, either directly, or indirectly, that may have a significant impact on the environment?				X

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.				X
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The Santa Barbara County Air Pollution Control District's greenhouse gas (GHG) threshold is defined in terms of carbon dioxide equivalent (CO₂e), a metric that accounts for the emissions from various GHGs based on their global warming potential. Thresholds of significance are no more than 10,000 metric tons of GHG per year (MT/yr.) CO₂e from a stationary source. A project which has no effect above threshold values individually or cumulatively will generally be determined to not have a significant environmental effect.

a. The proposed project will not generate greenhouse gas emissions, does not qualify as a stationary source, and will not, either directly, or indirectly, have a significant impact on the environment. Applying the Santa Barbara County Air Pollution Control District's thresholds of significance, the proposed project will emit less than the screening significance of 10,000 metric tons per year of Carbon Dioxide Equivalent (CO₂e), and would therefore not have a significant direct or indirect effect on the environment. Project-related emissions will be limited to construction only. A limited number of vehicles will be traveling to, or be utilized on, the project site, including a light horizontal directional drill rig, a support truck, a drill stem trailer and a water truck, along with small excavators, loaders and 3 to 5 utility trucks to transport drill operators, a supervising engineer and biologists.

Construction will last 15 to 20 working days. After construction, no regular travel to the project site will occur. The proposed project will emit only a fraction of the threshold amount of 10,000 metric tons of CO₂e per year. Given an average US vehicle CO₂e emission of 411 grams per mile, and an estimated 70 miles of travel to the jobsite each day, for 5 vehicles over 15 days, that equates to approximately 2,877,000 grams or 2.87 metric tons during the project's construction and for the remainder of the year. This is significantly less than 10,000 metric tons per year and therefore the project will not have a significant environmental effect on greenhouse gas levels.

b. The proposed project will not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases, as the project does not involve construction of housing, retail, office, transportation or industrial uses.

LESS THAN SIGNIFICANT IMPACT

IX. HAZARDS AND HAZARDOUS MATERIALS	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?				X
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?				X
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				X

d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				X
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?				X
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires.				X

Comments:

a., b., c., d., e., f., The proposed project will pose a less than significant hazard to the public or the environment, as it will not involve the use, transportation or storage of hazardous materials. The project site is not located on a site listed in Government Code Section 65962.5 or within an airport land use plan.

The project will not impair implementation of or physically interfere with an emergency evacuation or response plan as it will not obstruct access ways and will be conducted on existing right-of-way outside of the paved street. The proposed project will not expose people or structures to the risk of loss injury or death involving wildfires, as the project area does not have structures or areas of residence or congregation of persons.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

X. HYDROLOGY AND WATER QUALITY	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Violate any water quality standards or waste discharge requirements, or otherwise substantially degrade surface or groundwater quality?		X		
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge, such that the project may impede sustainable groundwater management of the basin?				X
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces, in a manner which would:				
i) result in substantial erosion or siltation on or off-site.				
ii) substantially increase the rate of amount of surface run-off in a manner which would result in flooding on-or off-site.				X

iii) create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff; or iv) Impede or redirect flood flows?				
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation.				X
e) Conflict with, or obstruct, implementation of a water quality control plan or sustainable groundwater management plan?				X

Comments:

a. The proposed project will not violate any water quality standards or waste discharge requirements, or otherwise substantially degrade surface or groundwater quality, with adoption of the mitigation measure proposed. There should be no impact on groundwater quality from the directional drilling installation of this 12-inch sewer pipe. Mitigation Measures HWQ-1–HWQ-10 recommend development and implementation of a Frac-out Contingency Plan, and other measures to ensure proper handling of bentonite clay and appropriate actions are taken in case of a Frac-out.

b. The proposed project will not substantially decrease groundwater supply or interfere substantially with groundwater recharge, as the installation of an underground pipe, using directional drilling will not require water service and will not inhibit groundwater recharge.

c. The proposed project will not substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, the addition of impervious surfaces in a manner which would result in substantial erosion or siltation on or off-site; substantially increase the rate of amount of surface run-off in a manner which would result in flooding on-or off-site; create or contribute to run-off water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted run-off. The project will not impede or redirect flood flows, as it will not involve drainage pattern alteration. The directional drill will not cause erosion or siltation, or increase the amount of surface run-off, as the line will be underground, the entrance and exit pits will be away from the river's banks.

d. The proposed project will not increase flood hazard, tsumani, or seiche zones, or risk release of pollutants due to project inundation. The proposed project is the installation of an underground sewer line using directional drilling. The scour depth of the Santa Ynez River has been identified and the sewer line will be installed below that depth.

e. The proposed project will not conflict with, or obstruct, implementation of a water quality control plan or sustainable groundwater management plan, because the proposed project is the placement of a sewer line under the Santa Ynez River to serve Vandenberg Village. The project won't require water or groundwater, and will not conflict with, or obstruct, a sustainable groundwater management plan or water quality control plan.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

XI. LAND USE AND PLANNING	Potentially Significant Impact	Less than significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
Would the project:				
a) Physically divide an established community?				X

b) Cause a significant environmental impact due to a conflict with any applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?				X
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Comments:

a. The proposed project will not physically divide a community, as it is the directional drilled location of an underground sewer line to connect a community to the Regional Wastewater Reclamation Plant.

b. The proposed project will not cause a significant environmental impact due to conflict with plans, policies and regulations intended to avoid or mitigate an environmental effect. The project will comply with, and be consistent with, environmental regulations and does not conflict with plans or policies intended to avoid or mitigate an environmental effect.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

XII. MINERAL RESOURCES Would the project:	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?				X
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				X

Comments:

a., b. The proposed project will not result in the loss of availability of a known mineral resource of value regionally, statewide or locally, and the project area does not appear on the County's Comprehensive Plan, City's General Plan or other land use plan as a mineral resource site. The directional drilling location of a sewer line is not in an area of identified mineral resources, and will not preclude future recovery of a mineral resource, should it be identified.

NO IMPACT

XIII. NOISE Would the project:	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Generation of substantial temporary or permanent increase in ambient noise levels in the vicinity of the project, in excess of standards established in the local General Plan, or applicable standards of other agencies.			X	
b) Generation of excessive ground borne vibration or ground borne noise levels?			X	
c) For a project located within the vicinity the Lompoc Airport Land Use Plan, would the project expose people residing or working in the project area to excessive noise levels?				X

Comments:

a. The proposed project will not generate substantial temporary or permanent increases in ambient noise levels in the vicinity of the project, in excess of standards established in the local General Plan, or applicable standards of other agencies. Noise impacts will be temporary, during drilling and construction. There are no nearby residences or sensitive receptors to be impacted by noise and the noise is anticipated to be during the regular workday only, as nighttime work will only occur as necessary. The term of the directional drilling project is three to four weeks.

b. The proposed project will not generate excessive ground borne vibration or noise levels. While there will be some ground vibration due to drilling, construction times will be during the day and there are no sensitive receptors in the area to be impacted by this transient vibration.

c. The proposed project is not located within the vicinity of the Lompoc Airport Land Use Plan and thus, would not expose people working in the project area to excessive noise levels. There are no persons living in the project area.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

XIV. POPULATION AND HOUSING Would the project:	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Induce substantial unplanned population growth in an area, either directly or indirectly?				X
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				X

Comments

a. b. The proposed project will not induce substantial unplanned population growth in the area of service, either directly or indirectly. The maximum size of the two (dual function) sewer lines to be placed is 12-inches, however two lines of any combination of sizes 8-inch, 10-inch or 12-inch could be included in the final design, depending on the results of a flow study. In evaluating the invert siphon nature of the proposed directional drilled lines, two lines will allow for regular cleaning and maintenance, and provide stability and redundancy, should one line fail. The proposed project will not result in the displacement of people or housing, and is not designed to serve substantial unplanned population growth. The project will provide long-term dependable and resilient sewer service to Vandenberg Village.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

XV. PUBLIC SERVICES Would the project result in:	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically				X

altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
b) Fire Protection?				X
c) Police protection?				X
d) Schools?				X
e) Parks?				X
f) Other public facilities?				X

Comments:

a. b. c. d. e. f. The proposed project will not result directly, or indirectly, in substantial adverse physical impacts associated with the construction of new or physically altered government facilities, including those required for fire and police protection, schools, parks or other public facilities. The proposed sewer line will replace an existing sewer line. It is not sized to allow new development or other improvements which could result in adverse physical environmental impacts on Public Services.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

XVI. RECREATION Would the project:	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?				X
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?				X

Comments

a., b. The proposed sewer line replacement will not increase the use of existing local or regional parks, or recreational facilities, accelerating their deterioration. The project does not include any form of recreational facility as a project element.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

XVII. TRANSPORTATION/CIRCULATION Would the project:	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?				X

b) Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3 subdivision (b)?				X
c) Substantially increase hazards due to a geometric design feature (e.g. sharp curves or dangerous intersections) or incompatible uses (e.g. farm equipment)?				X
d) Result in inadequate emergency access?				X

Comments

a. The proposed project will not conflict with a transportation program plan or ordinance. No temporary closures of streets are proposed, and the directional drilling project will not impact roadways or accesses.

b. The proposed project will not conflict with CEQA Guidelines Section 15064.3 subdivision (b), as it will not have any impact on Vehicle Miles Traveled. Once constructed, this project will not involve residents, commuters, or customers, as it is only an underground line. Construction impact will be off peak and not included in VMT, with an estimate of 10 vehicles maximum during any of the 15-20 working days.

c. The proposed project will not create or increase hazards due to sharp curves or dangerous intersections or similar hazards, as there will be no road construction or alteration as a part of this project.

d. There will be only limited potential need for partial lane closure during construction. After construction there will be no above-ground structures in the project area. Emergency access will not be constrained as a result of this project.

NO IMPACT

XVIII. TRIBAL CULTURAL RESOURCES				
Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape, that is geographically defined in terms of the size and scope of the landscape, scared place of object with cultural value to a California Native American tribe, and that is:	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Listed or eligible for listing in the California Register of Historical Resources as defined in Public Resources Code section 5020.1(k), or				X
b) A resource determined by the lead agency in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision c of Public Resources Code Section 5024.1				X

Comments

a. The proposed project will not cause a substantial adverse change in the significance of a tribal cultural resource, as there are no listed tribal cultural resources in the project area or tribal cultural resources eligible for listing in the California Register of Historical Resources as defined in Public

Resources Code section 5020.1(k) in the project area. In addition, the project is a limited placement of an underground sewer line using directional drilling technology.

b. The proposed project will not cause a substantial adverse change in the significance of a tribal cultural resource, as the project area does not include or impact a resource determined to be significant, including those significant to a California Native American Tribe, pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In addition, the project is a limited placement of an underground sewer line using directional drilling technology.

NO IMPACT

XIX. UTILITIES AND SERVICE SYSTEMS Would the project:	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Require or result in the relocation or construction of new or expanded water or wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction of which or relocation of which could cause significant environmental effects?				X
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?				X
c) Result in a determination by the wastewater treatment provider, which serves or may serve the project, that it has adequate capacity to serve the project's projected demand, in addition to the provider's existing commitments?				X
d) Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of Solid Waste reduction goals.				X
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?				X

Comments:

a. The proposed project will not result in, or require, the relocation or construction of a new or expanded utility line, as the project is a replacement wastewater line, reduced to one 12-inch pipe from two 8-inch pipes. No additional need for replacement or expanded service has been identified.

b. The proposed project is intended to address existing sewer line use and sewage treatment needs. No additional water source or volume is required to implement the project.

c. The proposed project will not result in a determination by the wastewater provider there is inadequate capacity to serve the project, as the project is a wastewater infrastructure replacement project, designed to ensure there is adequate capacity to continue to serve Vandenberg Village with regional wastewater reclamation services.

d. The proposed project will not generate solid waste in excess of state or local standards. Little if any solid waste is anticipated to be generated by this limited duration directional drilling project.

e. The proposed project will comply with federal, state and local management and reduction statutes and regulations related to solid waste, as little if any solid waste will be generated by the project, and any waste which can be, will be, recycled or re-used.

NO IMPACT

XX. WILDFIRE If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?				X
b. Due to slope, prevailing winds, and other factors exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentration from a wildfire or the uncontrolled spread of a wildfire?				X
c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?				X
d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of run-off, post-fire slope instability, or drainage changes?				X

Comments

- a. The proposed project will not substantially impair an adopted emergency response plan or emergency evacuation plan. No road closures are required for construction and once installed, this underground sewer line will not cause any impairment of a response plan.
- b. The proposed project will not exacerbate wildfire risks, as it is an underground wastewater utility line and there will be no project occupants.
- c. The proposed project will not require the installation or maintenance of additional infrastructure, and therefore will not exacerbate wildfire risk or result in impacts to the environment.
- d. The proposed project will not expose people or structures to significant risks as a result of flooding, run-off or post fire instability or drainage changes. The project is an underground wastewater pipe location, well below the scour depth of the Santa Ynez River.

NO IMPACT

XXI. MANDATORY FINDINGS OF SIGNIFICANCE	Potentially Significant Impact	Less than significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Does the project:				
a) Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?		X		
b) Have impacts that are individually limited, but cumulatively considerable? ?				X
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?				X

DETERMINATION:	
On the basis of this initial evaluation:	
	I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
X	I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions to the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
	I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
	I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
	I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION, pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.



Stacy L. Lawson, Senior Environmental Coordinator

February 9, 2021

Date

I hereby confirm that the project description is accurate and that the mitigation and monitoring measures set out in the Mitigation and Monitoring Plan are acceptable.



Dong Hyun Chon, Ph.D., P.E. Wastewater Superintendent

2/9/2021

Date

MITIGATION AND MONITORING PLAN:

The following Mitigation Measures shall be Conditions of Approval for ER20-19

BIOLOGICAL RESOURCES

Mitigation B-1

Within two weeks of the start of construction, a qualified wildlife biologist shall survey the project area to confirm the presence/absence of special status species likely to be found in the area during the proposed operations. Survey techniques, timing, and schedule shall be as directed by the California Department of Fish and Wildlife (CDFW). Survey results, analyses, and recommendations, along with field notes shall be provided to the CDFW, prior to commencing construction or within two weeks of completion of field surveys, whichever is earlier.

Monitoring

The Site Supervisor shall ensure a qualified wildlife biologist surveys the area to confirm the presence/absence of the special-status species with the potential to be found in the area within two weeks of the start of project construction. The Site Supervisor shall ensure survey techniques, timing, and schedule are as approved by the CDFW and are provided to the CDFW, prior to construction. If Southwestern Willow Flycatcher or Least Bell's Vireo individuals are identified in the project area, the Site Supervisor shall ensure the recommendations of the biologist, in coordination with the CDFW and the USFWS, as appropriate, are followed.

Mitigation B-2

The work area shall be flagged to identify its limits within the stream, not to exceed 10-feet upstream or 10-feet downstream from the centerline of the exit or entrance pits.

Monitoring

The Site Supervisor shall ensure the work area is flagged, not to exceed 10-feet upstream or 10-feet downstream of the centerline between the entrance and exit pits.

Mitigation B-3

Work shall be staged outside the riparian zone.

Monitoring

The Site Supervisor shall ensure staging shall be limited to the designated staging area, entrance and exit pits, all of which shall be located in areas beyond the banks of the river and riparian vegetation.

Mitigation B 4

Exit and entry pits shall be enclosed by construction fencing, and silt fences or straw waddles, to reduce sedimentation and prevent entry of CRLF into work areas. Isolation fencing shall be inspected daily during the drilling period.

Monitoring

The Site Supervisor shall ensure the contractor surrounds entrance and exit drill pits with construction fencing, and silt fencing or straw waddles.

Mitigation B 5

Should a frac-out occur, impacts to riparian areas shall be avoided. The frac-out shall be contained with straw waddles or Brady barrels and allowed to dry, and then shoveled off the surface, in riparian

areas. Foot traffic in and around riparian vegetation shall be limited to that which is essential to address the any frac-out which occurs.

Monitoring

The Site Supervisor shall ensure clean-up of frac-outs avoids impacts to riparian areas and follows the procedures identified above. The Site Supervisor shall ensure no unnecessary foot traffic occurs that will damage riparian resources.

CULTURAL RESOURCES

Mitigation CR-1

a. If archaeological artifacts are unearthed or exposed during 'construction, all ground disturbing work within 50-feet of the archaeological find shall stop immediately and the City's Environmental Coordinator and Project Engineer shall be notified. The artifacts and site shall be evaluated by an RPA qualified archaeologist. An appropriate plan for the avoidance or preservation of the artifacts from the site shall be prepared and its implementation overseen by an experienced archaeologist, prior to the restarting of ground disturbing work within 50-feet of the archaeological find.

b. If paleontological artifacts are unearthed or exposed during construction, all ground disturbing work shall stop immediately and the City's Environmental Coordinator and Project Engineer shall be notified. The artifacts and site shall be evaluated by a qualified Paleontologist (per Society of Vertebrate Paleontology standards [SVP 1995, 1996]) and that paleontologist shall prepare an appropriate plan for the preservation of the artifacts from the site. The plan shall be reviewed and approved by the City of Lompoc, and its implementation shall be overseen by the qualified Paleontologist.

c. If human remains are accidentally discovered or recognized during construction, all excavation and ground disturbing work on, or adjacent to, the project site (or area of discovery) shall stop immediately. The Santa Barbara County Coroner shall be contacted, and if the County Coroner determines that the remains are Native American, the City shall contact the California Native American Heritage Commission (NAHC), pursuant to subdivision (c) of Section 7050.5 of the Health and Safety Code. the Native American Heritage Commission notified immediately and their recommendations and requirements adhered to, prior to continuation of ground-disturbing work.

Monitoring

The Site Supervisor shall ensure in the event of accidental discovery of cultural resources, the procedures identified above are followed.

HYDROLOGY AND WATER QUALITY

Mitigation HWQ-1

All contractors and biological monitors shall be trained in the Caltrans directional drilling class or through Bariod Industrial Drilling Products, Inc., and have a certificate to prove they passed the class. Contractors shall have at least two years' experience in conducting boring operations and shall show evidence of that experience.

Monitoring

The Site Supervisor shall ensure all contractors and biological monitors shall be trained in the Caltrans directional drilling class or through Bariod Industrial Drilling Products, Inc., and have a

certificate to prove they passed the class. Contractors shall have at least two years' experience in conducting boring operations and shall show evidence of that experience.

Mitigation HWQ 2

The wastewater line shall have a shut-off valve located on the north side of the directional drilled segment and a butterfly valve located on the southern side of the directional drilled segment.

Monitoring

The City Wastewater Division shall ensure there are shut-off valves on the 12-inch line crossing the river, located on either side of the directional drilled segment.

Mitigation HWQ-3

A Frac-out Contingency Plan shall be prepared and all its provisions shall be adhered to. The Frac-out Contingency Plan shall be available on-site at all times during construction

Monitoring

The Site Supervisor shall ensure all provisions of the approved Frac-out Contingency Plan are adhered to and is available on-site at all times during construction.

Mitigation WQ-4

Biological monitors shall be on-site during operations. Monitors shall search for frac-outs and report any to the CDFG immediately. Monitors shall have the authority to stop operations when a frac-out occurs, or if there is a lack of returns in the pit.

Monitoring

The Site Supervisor shall ensure Biological monitors shall be on-site during operations and shall survey for species prior to construction. If any species are found in the path of construction, the monitor shall relocate the species to a safe location. Monitors shall search for frac-outs and report any to the CDFG immediately. Monitors shall have the authority to stop operations when a frac-out occurs, or if there is a lack of returns in the pit.

Mitigation WQ 5

Bentonite clay used in the drilling process shall be properly disposed of, as required by law, or recycled in an approved manner. All construction material and waste shall be cleaned from the project site, once the project is completed. Construction materials and wastes shall be recycled, or properly disposed of.

Monitoring

The Site Supervisor shall ensure all construction material and waste is cleaned from the site once the project is completed and disposed of, or recycled, as appropriate. The Contractor shall ensure bentonite clay is disposed of properly, as required by law, or properly recycled for re-use.

Mitigation WQ-6

Containment materials (Straw waddles, silt fencing, sand bags, frac-out barrels, etc.) shall be staged on-site at a location where they are readily available and easily mobilized for immediate use in the event of an accidental release of drilling mud (frac-out).

Monitoring

The Site Supervisor shall ensure that containment materials are in place, and readily available in case of a frac-out, prior to beginning any drilling activity.

Mitigation WQ-7

The contractor shall stop all boring when there is a drop in pressure or a lack of returns in the entrance pit. Monitors and contractors shall immediately search for the frac-out. If and when all monitors are convinced that a surface frac-out did not occur, drilling may continue, at a reduced speed and pressure until the monitors are comfortable with continuing the bore.

Monitoring

The Site Supervisor shall ensure the contractor stops all boring when there is a drop in pressure or a lack of returns in the entrance pit. Monitors and contractors shall immediately search for the frac-out. If and when all monitors are convinced that a surface frac-out did not occur, drilling may continue, at a reduced speed and pressure until the monitors are comfortable with continuing the bore.

Mitigation WQ-8

Pressure levels shall be monitored randomly by the monitors and shall be recorded. Pressure levels shall be set at a minimum level to prevent frac-outs.

Monitoring

The Site Supervisor shall ensure pressure levels shall be monitored randomly by the monitors and shall be recorded. Pressure levels shall be set at a minimum level to prevent frac-outs.

Mitigation WQ-9

Clean-up of all spills shall begin immediately. The CDFW shall be notified immediately by the Site Supervisor and Biological Monitor of any spills and shall be consulted regarding clean-up procedures. A Brady barrel shall be on-site and used if a frac-out occurs. Containment materials, such as straw bales, shall also be on-site prior to, and during, all operations.

Monitoring

The Site Supervisor shall ensure CDFW is notified immediately of any spills and is consulted regarding clean-up procedures. The Site Supervisor shall also ensure a Brady barrel is on-site and ready for use if a Frac-out occurs, and that containment materials including straw bales, are also on-site during all drilling operations.

Mitigation WQ-10

Water containing mud, silt, bentonite, or other pollutants from equipment washing or other activities, shall not be allowed to enter the Santa Ynez River bed or be placed in locations that may be subjected to high flows.

Monitoring

The Site Supervisor shall ensure water containing mud, silt, bentonite, or other pollutants shall not be allowed to enter the Santa Ynez Riverbed, or be placed in locations that may be subjected to high flows.

Sources Consulted:

Kleinfelder / GANDA Inc.

City of Lompoc 2030 General Plan, October 2009, Rincon Consultants, Inc.

City of Lompoc Zoning Ordinance

County of Santa Barbara Department of Public Works, Transportation Division, Draft Mitigated Negative Declaration Floradale Avenue Bridge Replacement, 18NGD-00000-00003. August 2018.

Design Hydraulic Study, Floradale Avenue Bridge at Santa Ynez River, Bridge Number 51C0006, Santa Barbara County, CA, Avila & Associates Consulting Engineers, Inc., January 2018.

USGS Fault Mapping

<https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=5a6038b3a1684561a9b0aadf88412fcf>

FIGURE 1

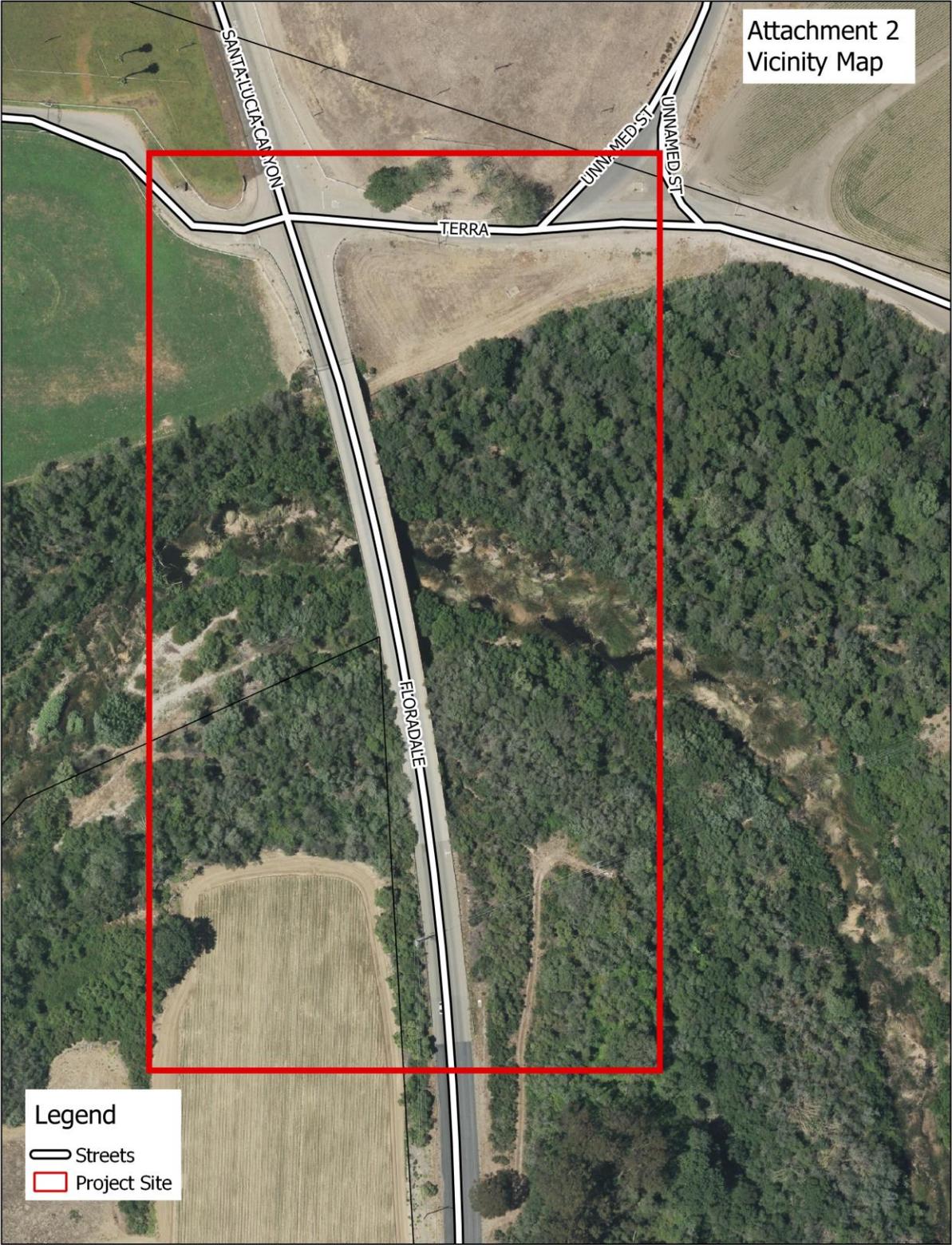
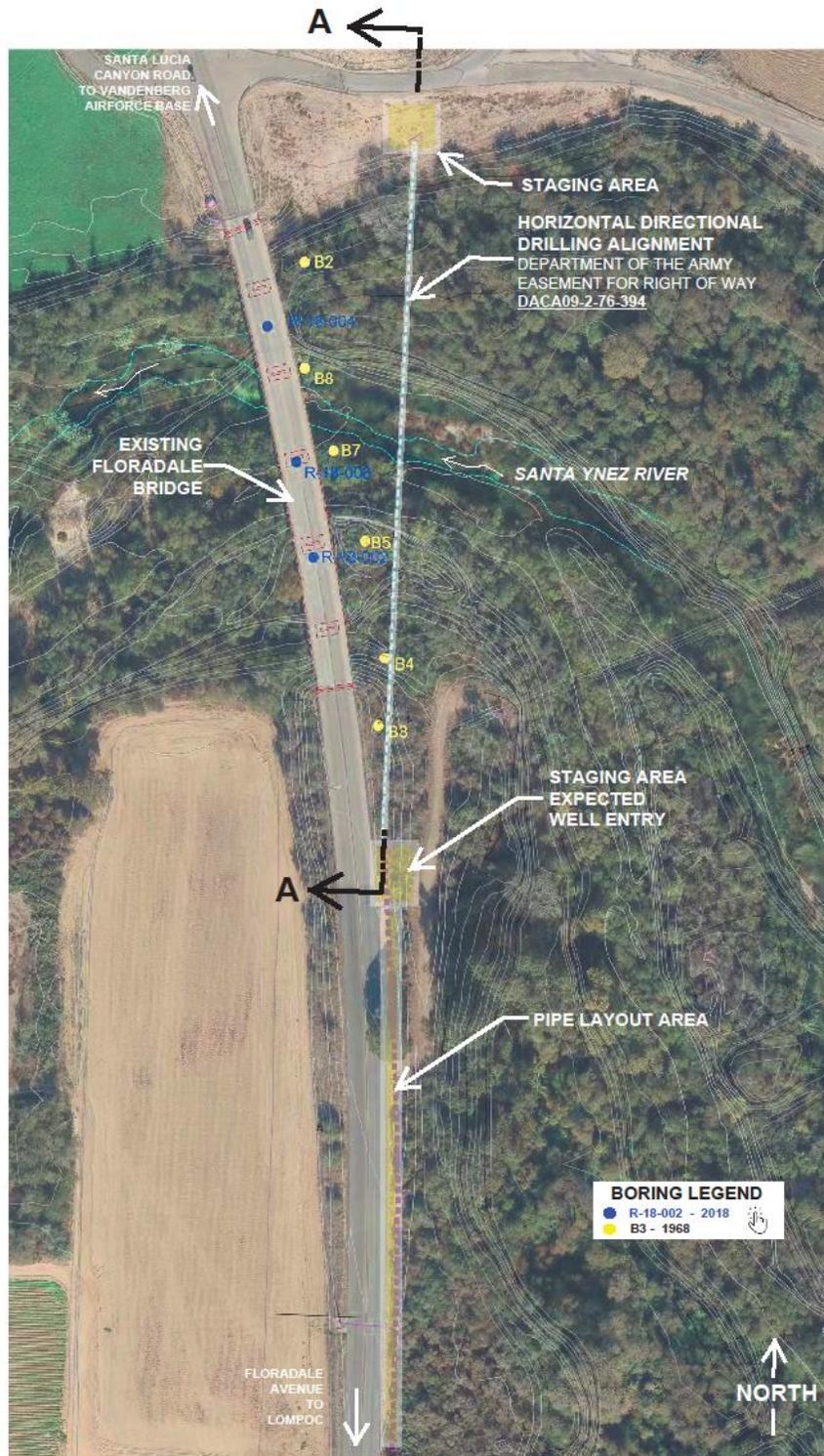


FIGURE 2

18WW02 FLORADALE BR SEWER RELOCATION

05/15/2020



PLAN VIEW

SCALE: 1" = 100'

FLORADALE CROSSING
VVCSD/LOMPOC SEWER FACILITY