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May 2, 2022

Craig Dierling, P.E.
Assistant Public Works Director/City Engineer
City of Lompoc
100 Civic Center Plaza
Lompoc, CA 93436

SUBJECT: Addendum to the Mitigated Negative Declaration ER20-19 for Floradale Avenue Crossing – Sewer Line Horizontal Directional Drilling

Dear Mr. Dierling,

This addendum has been prepared in accordance with CEQA Guidelines Section 15164 (b) to document changes to the project description, project location, project construction, and certain mitigation measures associated with the Mitigated Negative Declaration (MND) document ER20-19 (State Clearinghouse Number 2021020258) for the Floradale Avenue Crossing Sewer Line Horizontal Directional Drill (HDD) (Project). The City Council adopted MND ER20-19 through Resolution No. 6394(21) on April 6, 2021. Since that time, the Project length has been extended by 500 feet, beginning approximately 200 feet farther northwest, and ending approximately 300 feet farther south, to relocate the entry and exit bore pit locations further from the Santa Ynez River and associated riparian areas. Additionally, the northern entry pit is now proposed nearer to Santa Lucia Canyon Road/Floradale Avenue, in order to keep the boring alignment within the area already disturbed and cleared of vegetation for the in-progress Santa Barbara County bridge replacement Project.

This project will also include the tie-in to the existing gravity sewer pipeline by replacing the existing trenched siphon sewer pipeline with new trenched siphon sewer pipeline, to ensure the integrity and longevity of the entire siphon sewer system. The replaced trenched pipeline will be approximately 1,310 feet in length and installed adjacent to the existing pipeline to be abandoned. A majority of this trenched work will take place along the existing edge of pavement of Rancho Lompoc Farm Road.

The following is the updated Project information for the Project:

Project Location

The directional drill will cross the Santa Ynez River within the existing roadway easements and rights-of-way along the east side of the existing Floradale Avenue bridge and roadway (updated Figure 2). The entrance pit is planned to be located above the upper north bank of the Santa Ynez River, along the eastern shoulder of Santa Lucia Canyon Road, north of the prison's Rancho Lompoc Farm Road, over 300 feet north of the riverbed. The exit pit is planned to be located on the upper south riverbank adjacent to Floradale Avenue, over 400' south of the riverbed, and the sewer pipe is planned to be laid along the eastern shoulder of Floradale Avenue, south of the exit pit, and then pulled into the bore hole through

the exit pit. The directional drill alignment is planned to be approximately 1,200 feet long. The open trench portion of siphon sewer line replacement to connect to the existing upstream gravity sewer line will be approximately 1,310 feet long and begin at the HDD staging area on the eastern shoulder of Santa Lucia Canyon Road north of Rancho Lompoc Farm Road and continue south, crossing the farm road, and then turn east and follow the southern edge of the farm road to connect with the existing gravity sewer line (updated Figure 2).

Project Description

The project proposes to install approximately 1,200 feet of inverted siphon interceptor sewer line using one or two 12-inch diameter High Density Polyethylene (HDPE) pipes and Horizontal Directional Drilling (HDD) trenchless technology boring under the Santa Ynez River. If used, the second 12-inch pipe is intended to provide redundancy, stability and to allow for maintenance or repair.

The HDD sewer lines will be placed east (upstream) of the existing Floradale Avenue bridge, extending from the southeast side of the existing bridge, under the Santa Ynez River to the northeast side of the existing bridge.

The entrance and exit pit staging areas on the north and south sides of the river will be located within disturbed areas of the concurrent Floradale Avenue Bridge Replacement Project which is currently under construction by Santa Barbara County, and disturbed roadway shoulder areas. The drilled sewer line will trend downward from the entrance pit, curve under the riverbed, and back upward toward the exit pit, achieving a depth over 50 feet below the existing flow line of the riverbed.

The approximately 1,310-foot open trenched portion of siphon sewer line replacement will begin at the HDD staging area on the eastern shoulder of Santa Lucia Canyon Road north of Rancho Lompoc Farm Road and after crossing the farm road to the south, the pipeline will continue east and be installed immediately adjacent to the north side of the existing pipeline, at or near the southern edge of the farm road. A 3-foot-wide trench will be excavated to install the new pipe and the existing pipeline will be abandoned in place.

Impacts Associated with Revised Project Description

No new impacts are associated with the relocation of staging areas for the HDD entry and exit pits. The entry and exit pit locations, approximately 100 feet by 40 feet, are now further from the Santa Ynez River reducing any potential indirect impacts that may occur from the HDD ground disturbing activities. The southern staging area is now located along the corridor that has been cleared of vegetation for the Santa Barbara County bridge replacement project. Riparian habitat associated with the Santa Ynez River will not be further impacted by the staging area. The northern staging area is located almost entirely in the developed right-of-way just to the east of Santa Lucia Canyon Road. This staging area was previously located entirely in annual non-native grassland. Additionally, the entire length of the HDD alignment under the Santa Ynez River and associated riparian area is located where vegetation has been cleared for the bridge replacement project. This will aid in identifying potential frac-outs during the HDD boring.

The addition of the open trenched siphon sewer pipeline connection will only increase temporary impacts due to the Project by 0.09 acre. A total of 0.06 acre will occur along the developed edge of pavement of Rancho Lompoc Farm Road directly adjacent to the existing pipeline to be abandoned. The remaining impacts occur within annual non-native grassland partially cleared due to the Santa Barbara County bridge replacement project.

Project Construction

The directional drilling and associated sewer pipeline connection is scheduled to take place in the summer or fall of 2022, prior to November 1, when river flow is lowest and no birds are actively nesting nearby. Directional drilling construction is anticipated to require several weeks to complete, involving a horizontal directional drill rig, a number of support vehicles, excavators, loaders, and utility trucks, a supervising engineer and a biologist. Related construction work located well outside of the riverbanks may require additional weeks to connect the sewer line and build supporting maintenance structures and appurtenances.

Mitigation Measures

The following project mitigation measures are revised as follows. Only revisions are included below, and the remainder of the mitigation measure language is included within the MND referenced above. Rationale for the updates are provided in italics.

B-9: Delete ", and the associated 20-foot easement." Also Delete the second use of the word "easement," and Replace with "HDD alignment under the river channel."

With the relocation of the HDD alignment and staging areas, it will now be installed within much wider roadway easements and rights-of-way, rather than within the 20-foot easement discussed in the original MND document. The limits of work areas associated with those wider easements and rights-of-way have already been fenced and delineated by the concurrent Santa Barbara County bridge replacement project.

HWQ-1: Delete "in the Caltrans directional drilling class or through Bariod Industrial Drilling Products, Inc., and have a certificate to prove they passed the class" and Replace with "and have sufficient prior experience in performing their roles for the directional drilling required for this project, and shall provide references to validate such experience."

This measure was updated in the event these classes are not available in a timely manner but that the staff working on this project do have the necessary experience to perform the work.

HWQ-2: Delete "butterfly valve" and Replace with "maintenance hole."

This references a change in specifications and does not reduce the effectiveness of the measure.

HWQ-3: Third Bullet, Add "and standing water levels in the river are low," so the measure reads "… no water is flowing in the channel, and standing water levels in the river are low …"

This measure has been revised since there may still be small pockets of standing water in the riverbed even when there is no flow. The revised measure retains the intent of preventing the transport of drilling mud but clarifies that standing water may be present during Project activities.

Closing

Pursuant to CEQA Guidelines Section 15162 (a), the revisions to the proposed Project do not include major changes, circumstances or new information that would create new significant environmental effects or exacerbate any previously identified significant environmental effects.

The new HDD alignment, entry/exit bore locations and pipeline laydown area impact the same vegetation types as the original alignment. Additionally, a majority of the alignment location is in an area of cleared vegetation.

The addition of the trenched sewer pipeline connection will only increase temporary impacts due to the Project by 0.09 acre. A majority of these impacts (0.06 acre) will occur along the developed edge of pavement of Rancho Lompoc Farm Road with the remaining impacts occurring within annual non-native grassland partially cleared due to the Santa Barbara County bridge replacement project.

Best regards,

KLEINFELDER

Jennifer D. Vicich

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Central Coast Group Manager

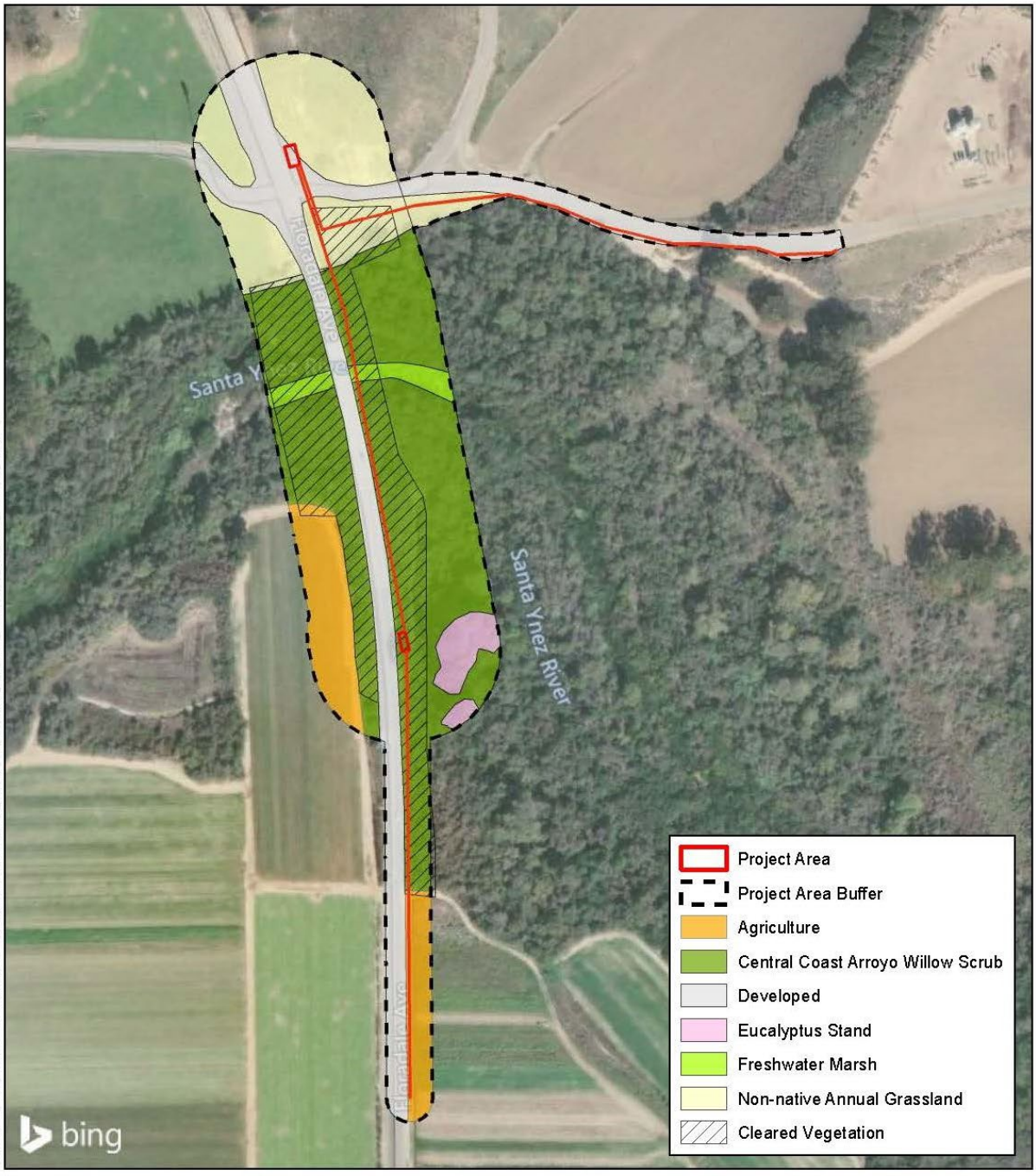

Figure 2. Site Map
Floradale Ave. HDD Project
City of Lompoc
Santa Barbara County, California