Meeting of the Central Valley Flood Protection Board
May 26, 2011

Staff Report – Encroachment Permit

Farmington Water Company
Duck Creek
(San Joaquin County)

1.0 – ITEM

Consider approval of Permit No. 18647 (Attachment B) to install approximately 400 feet of 6-inch PVC water pipeline below the streambed of Duck Creek along Escalon-Bellota Road parallel to the existing bridge crossing.

2.0 – APPLICANT

Farmington Water Company

3.0 – LOCATION

The project is located on the west side of Escalon-Bellota Road at Duck Creek in San Joaquin County.

4.0 – DESCRIPTION

Applicant proposes to install approximately 400 feet of 6-inch fused PVC C-900 waterline feet below the streambed of Duck Creek. A 10-inch hole will be drilled via horizontal direction drilling (HDD) and the PVC waterline will be pulled into place. Construction will occur within the San Joaquin County right of way for Escalon-Bellota Road adjacent to the existing bridge.

5.0 – PROJECT ANALYSIS

No excavation or equipment placement is expected to be in or within 100 ft of the stream channel. The FEMA 100 year flood plain is at elevation 108 feet near the Duck Creek Bridge on Escalon-Bellota Road and is contained within the creek channel. The bridge and roadway at Duck Creek is slightly higher than elevation 108. Both the drill pit and exit pit locations are above the 100 year flood plain elevation of 108. The waterline

will be installed with four feet of cover as is typical for the new Farmington water system.

5.1 – Hydraulic Analysis

No projections into the regulated stream or designated floodway will occur as a result of this project; therefore, a hydraulic analysis was not necessary for the proposed project.

5.2 – Geotechnical Analysis

No levees exist within this project site; therefore, a geotechnical analysis was not necessary for the proposed project.

6.0 – AGENCY COMMENTS AND ENDORSEMENTS

The comments and endorsements associated with this project, from all pertinent agencies are shown below:

- San Joaquin County Flood Control and Water Conservation District endorsed the proposed project, with conditions, by letter dated February 22, 2011. The letter will be incorporated into the permit as Exhibit A.
- The U.S. Army Corps of Engineers 208.10 comment letter has not yet been received for this application. Upon receipt of a favorable letter and review by Board staff the letter will be incorporated into the permit as Exhibit B.

7.0 – CEQA ANALYSIS

Board staff has prepared the following CEQA Findings:

The Board, as a responsible agency under CEQA, has reviewed the Initial Study/Mitigated Negative Declaration (IS/MND, SCH No. 2009042031, June 2009) for the Water System Facilities Improvements Project, prepared by the lead agency, the Department of Public Health. These documents, including project design, may be viewed or downloaded from the Central Valley Flood Protection Board website at http://www.cvfpb.ca.gov/meetings/2011/5-26-2011.cfm under a link for this agenda item. The documents are also available for review in hard copy at the Board and Division of Drinking Water and Environmental Management offices.

The Department of Public Health has determined that the project would not have a significant effect on the environment and filed a Notice of Determination on May 3, 2010 with the State Clearinghouse. Board staff finds that although the proposed project could have a potentially significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. The project proponent has incorporated mandatory mitigation measures into the project plans to avoid identified impacts or to mitigate such impacts to a point where no significant impacts will occur. These mitigation measures are included in the project proponent's IS/MND (Appendix A) and address impacts to air quality, biological resources, cultural resources, and noise. The description of the mitigation measures are further described in the adopted IS/MND.

8.0 – SECTION 8610.5 CONSIDERATIONS

1. Evidence that the Board admits into its record from any party, State or local public agency, or nongovernmental organization with expertise in flood or flood plain management:

   The Board will make its decision based on the evidence in the permit application and attachments, this staff report, and any other evidence presented by any individual or group.

2. The best available science that related to the scientific issues presented by the executive officer, legal counsel, the Department or other parties that raise credible scientific issues.

   The accepted industry standards for the work proposed under this permit as regulated by Title 23 have been applied to the review of this permit.

3. Effects of the decision on the entire State Plan of Flood Control:

   The proposed 6-inch diameter water transmission pipeline will be buried a minimum of 10 feet under all components of the flood control system. Therefore the project will have no effects on the State Plan of Flood Control.

4. Effects of reasonable projected future events, including, but not limited to, changes in hydrology, climate, and development within the applicable watershed:

   The proposed 6-inch diameter waterline will be underground and so there will be no effects to the project from reasonable projected future events.

9.0 – STAFF RECOMMENDATION

Staff recommends that the Board adopt the CEQA findings, approve the permit conditioned upon receipt of a favorable U.S. Army Corps of Engineers comment letter, and direct staff to file a Notice of Determination with the State Clearinghouse.

10.0 – LIST OF ATTACHMENTS

A. Location Maps and Photos
B. Draft Permit No. 18647
C. Design Drawing

Design Review:	Alison Tang, P.E.
Environmental Review:	James Herota and Andrea Mauro
Document Review:	Curt Taras, P.E. MSCE, Mitra Emami, P.E., Len Marino, P.E.