**Attachment A**
**To the Notice of Completion & Environmental Document Transmittal**
**Benedict Reservoir and Armstrong Booster Station Project**
**(District Project No. C195057)**

**Assessors' Parcel No.:** 174-040-018, 174-040-020, and 175-021-005.

**Local Action Type:** Infrastructure improvements (Water reservoir and booster pump facilities).

**Present Land Use/Zoning/General Plan Designations:**

*Present Land Use* – Public Facilities.

*Zoning* – Benedict Reservoir zoning is M-H Manufacturing – Heavy; Armstrong Booster Station zoning A-1 – Light Agriculture.

*General Plan Designations* – Benedict Reservoir site designation is Open Space Rural (OS-RUR); Armstrong Booster Station site designation is Low Density Residential (LDR) – Country Neighboorhood. Both are within the Equestrian Lifestyle Protection Overlay (ELO) designation.

**Project Description**: The Project entails improvements to the Benedict Reservoir and Armstrong Booster Station, two different sites located in the City of Jurupa Valley (Jurupa Valley). The construction and operation of a new 1.1 MG potable water storage reservoir, associated appurtenances, realignment of the access road, and the demolition of the existing 0.21 MG potable water storage reservoir constitutes the Benedict Reservoir portion of the Project. The construction and operation of a new 550 gallons per minute (GPM) booster pump constitutes the Armstrong Booster Station portion of the Project. The proposed Project characteristics are further described below.

***Benedict Reservoir***
The Benedict Reservoir site is located within the Jurupa Mountains and sits at a higher elevation than the adjacent residential community. The site is located in the northeast portion of Jurupa Community Services District's (JCSD) boundary, in Jurupa Valley. The Benedict Reservoir site has an existing 86-foot (ft). diameter 1.0 million gallon (MG) potable water storage reservoir and a 40-ft. diameter 0.21 MG reservoir. The water storage reservoirs sit on a floor elevation of 1,180 ft and have a height of 24 ft. above the finished floor elevation. The Benedict Reservoir site is mostly paved, enclosed, gated, and can be accessed from a paved road situated between two homes on Sandra Drive.

The proposed Benedict Reservoir component of the Project entails the demolition of the existing 0.21 MG potable water storage reservoir and the construction of a new 1.1 MG potable water storage reservoir in its place. This Project component will also include relocation of portions of the existing fence and access road, along with the gate, to accommodate the new water storage reservoir. Approximately 500 cubic yards (cu yd) of soil would be imported and 100 cu yd of large rocks, will be exported from the Benedict Reservoir site. An approximate 120 linear-foot (LF) retaining concrete wall along the northern portion of the new 1.1 MG reservoir, in between the reservoir and the relocated access road is proposed.

The new reservoir will be made of steel, and will be approximately 90 ft. in diameter with a maximum height of 23 ft. above the finished floor elevation. The reservoir will be designed in accordance with the American Water Works Association (AWWA) D100 standards, which sets guidelines for the construction of welded steel water tanks. The new water storage reservoir will have a high water elevation of 1,205 ft., similar to the remaining 1.0 MG water reservoir. The new water storage reservoir will include standard tank appurtenances such as roof vent, roof hatch and platform, ladder, minimum ring wall, inspection covers, pressure transmitter, conduits, sampling ports and cathodic protection handholes.

The existing 1.0 MG reservoir will remain operational during demolition and construction. Only minor shutdowns to the Benedict Reservoir site are necessary once the new 1.1 MG is ready to connect into the water system. The new reservoir will have an interior coating compliant with the low-VOC requirements of South Coast Air Quality Management District (SCAQMD). The exteriors of the new 1.1 MG reservoir and the remaining 1.0 MG reservoir will be coated with similar low-VOC coating design for industrial tanks. The color of the coating has been selected to blend in with the local hillside.

***Armstrong Booster Station***

The Armstrong Booster Station, located within the JCSD and Jurupa Valley's boundary, is approximately 0.65 miles southwest of the Benedict Reservoir site. The Armstrong Booster Station is adjacent to residences and is located on the corner of Armstrong Road and Karen Lane. The booster station is paved, gated, and has a roll gate along Karen Lane for access. A steel structure, which houses the existing pumps, is located in the middle of the Armstrong Booster Station site. The electrical panel that services the booster station is located on the northwestern part of the Armstrong Booster Station site. Both the steel structure and the electrical panel are visible from Armstrong Road and Karen Lane.

The Armstrong Booster Station has two existing 550 GPM 30 horsepower (HP) pumps (one for standby) enclosed in the steel structure. A third 550 GPM 30 HP pump and associated electrical equipment will be added to the station to provide redundancy and a future target pumping capacity of 1,237 GPM. To accommodate the third pump and unit piping, a canopy will be constructed off the existing steel structure on the east side. The steel structure extension will include an exhaust fan. The electrical panel has sufficient physical space to accommodate the electrical connections required for the third pump.