



MEMORANDUM

Date: April 20, 2017

To: City of Pomona Parks and Recreation Commission

From: Darron Poulsen, Water and Wastewater Operations Director

SUBJECT: Water and Wastewater Operations Proposed Installation of Monitoring Wells at Montvue Park

The City of Pomona Water and Wastewater Operations Department is seeking input from the Park and Recreation Commission on the final design of the landscaping following the installation of monitoring wells at Montvue Park. All parties to the Chino Basin Watermaster (which include The City and surrounding water agencies) fund efforts to protect the basin from these types of concerns.

When water is pumped from a groundwater source the land can move over time. If not naturally replenished by rain the diminishing groundwater level can cause the ground to subside. The land surrounding Montvue Park has subsided 3-inches over the last six years in the northwest part of the Chino Basin Aquifer. This subsidence is over a wide area and is not noticeable nor does it pose any significant concerns for structures.

In an effort to better understand what is causing the subsidence and to identify whether additional spreading of water can halt the subsidence, the Watermaster would like to install water level and ground level monitors in the area closest to the subsidence.

A location at Montvue Park has been identified as the most optimal site to install the monitoring wells and equipment (See Attachment 1, Map). The monitoring wells do not require any significant structure that would impede the use of the park. The wells are located in an underground vault which is level with the surrounding ground surface (See Attachment 2, Pictures). Staff anticipates that the monitoring wells and equipment will be installed in early 2018.

These monitoring wells are a critical component to evaluate why the north Pomona region of the Chino Basin Aquifer is experiencing land subsidence. There is no other available public land close to the center of the subsidence area. This leaves Montvue Park as the only viable location to perform the study. Staff is seeking input from Park and Recreation Commissioners on the final design plans and potential landscape changes as a result of the work that will be performed.

Attachments: 1. Site Map
2. Equipment Sample Picture