

EXECUTING UNDERGROUND EXPANSION USING UPDATED AERIAL MAPS

Lakewood Water District and Nearmap

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Lakewood Water District — a utility company located near Tacoma, WA — serves more than 17,000 service connections across a population of 75,000, and provides wholesale water to 6 other utilities. With a new 7 mile long underground water transmission main in the works, the district needed a more reliable way to keep the project moving along.

CHALLENGE

From planning to execution, precision was crucial to the success of this project. The district needed to ensure effective communication between contractors and field crews about where the pipe had to be installed, and also record accurate location data. Both the district and engineers assigned to the project captured some imagery using drones, but gaps in capturing left an inaccurate representation of the project site.

SOLUTION

With high-res aerial captures from Nearmap, the district was able to supplement drone captures with up-to-date captures of the site. Remote accessibility allowed the

team to export georeferenced ortho imagery in the native projection for the district, create a mosaic dataset and push this complete picture through ArcGIS Enterprise into field apps such as ArcGIS Collector, providing a single source of reference for marking the location of the main.

BUSINESS IMPACT

Tracking the status of the project in near real-time helped the district address any discrepancies and keep things moving toward completion. Regularly updated aerial maps meant that teams could go in and see the status of the project, avoiding the need for back and forth and reducing the risk of lengthy delays that could prolong completion.

“A big part of the reason to go with Nearmap was to do with the resolution — it was probably one of the biggest drivers, but also just how often they’re flying.”

Kevin Wyckoff, GIS Coordinator,
Lakewood Water District



WIDE-SCALE COVERAGE
FOR EASY MONITORING OF THE PROJECT



40 HOURS OF TIME SAVED
BETWEEN GIS AND FIELD CREWS



ON-THE-GO ACCESS VIA
FIELD DEVICES AND SEAMLESS INTEGRATIONS