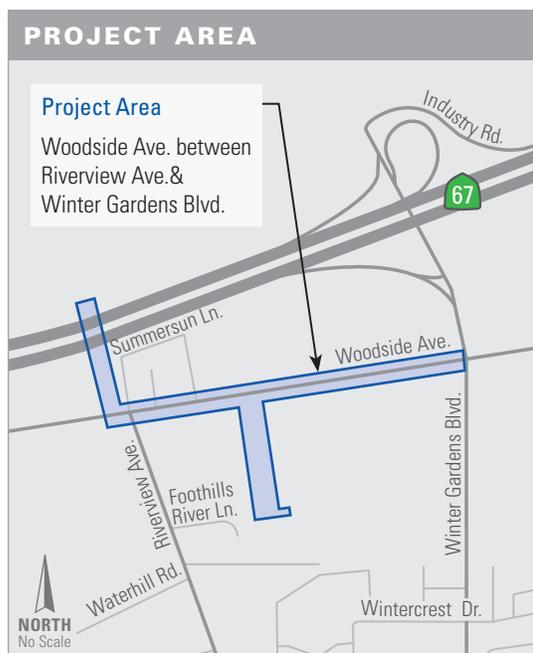


A Clear View of Woodside

Work at Woodside Avenue will not only improve flood-control in the area, but will also improve the view by undergrounding utility lines. Relocating utilities (electric power lines and telephone poles) underground will prevent other hazards such as downed power lines and will protect them against damage from bad weather so they require less maintenance. To underground utilities, construction crews will follow these steps:

- › **Step 1** Trench and install pipe: First, crews will dig trenches across Woodside Avenue and install a plastic pipeline, through which utilities will run. Crews will also coordinate with private property owners to dig trenches and connect their lateral lines to the main pipeline.
- › **Step 2** Install cable: Second, crews run the new "dry" utility lines (electrical, cable, telephone, etc.) inside the plastic pipe and install transformer and cable boxes above ground to activate the utilities and make them more efficient to maintain.
- › **Step 3** Cut-over: Third, when underground utilities are connected, individual houses are "cut-over" or switched over from the over-ground utility connection to the underground connection.
- › **Step 4** Remove over-ground poles: Last, after all underground utilities are tested and activated, the old over-ground telephone poles are de-energized and removed. This last step will improve the visual aesthetics and sidewalk access of Woodside Avenue.

Crews are undergrounding "dry" utilities at Woodside Avenue, but there are also "wet" utilities, which are water lines. The water lines are already underground, but are also being relocated to make room for dry utility undergrounding and for storm drain culverts. Crews have to underground utilities before moving on trenching and installing the storm drain culverts. This ensures the pathways of both the storm water and the dry utility systems don't cross each other or get in the way later in the installation process.



Project Update: Current Construction Activities

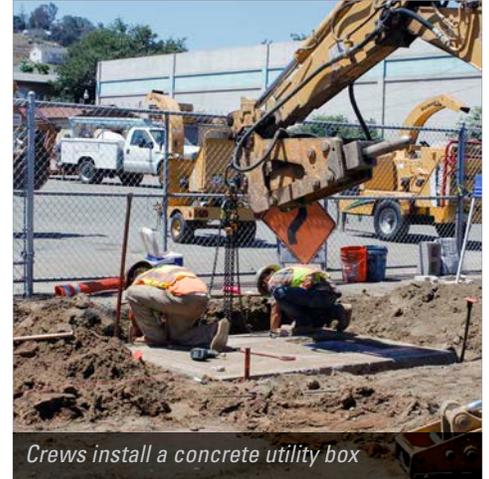
In July and August, construction crews will work on:

- **Dry Utility Undergrounding:** Crews are trenching Woodside Avenue and installing concrete utility boxes and a new pipeline underground to relocate dry utilities. Dry utility lines will be run through the underground pipeline to connect to residents and businesses along Woodside Avenue.
- **12" and 21" Sewer Line Relocations:** Crews are relocating two sewer lines under Woodside Avenue. To

relocate the sewer lines without discontinuing service to the neighborhood, crews are installing 2,000 feet of new sewer pipelines that will tie into the existing lines and switchover services.

- **Re-striping Roads and Crosswalks:** Crews will refresh the paint striping that coordinates traffic along Woodside, as well as re-stripe crosswalks to protect pedestrian safety.

While construction crews trench the roadway, the traffic intersection signal at Riverview and Woodside Avenues may periodically be operated as a 4-way stop or coordinated by construction crews.



Crews install a concrete utility box

The County asks that drivers respect construction crews and drive through this project site with caution.

Meet the Team

Resident Engineer, Adolfo Cacho

Q What are some other projects you have worked on prior to the Woodside Avenue Flood Control Improvement project?



Resident Engineer, Adolfo Cacho

A In addition to several minor projects, I was involved in two recent major projects: Wing Avenue Flood Control Improvements and South Santa Fe Avenue Road Improvements (North).

Q Why is utility undergrounding the first stage in the project improvement process?

A The overhead utility lines and supporting poles are in the same location of the planned "box culvert" (concrete storm drain tunnel). Once the overhead lines are moved underground, we will remove the power poles and begin construction of the reinforced concrete box culvert.

Q What significance will utility undergrounding have in the community?

A The transfer of service from overhead to underground will be smooth and uninterrupted, but the aesthetic benefit will

be evident once all the power poles and overhead lines are removed.

Q How are crews managing traffic flow while utilities are being undergrounded?

A The contractor's crews have made a conscientious effort to ensure that the traveling public, including pedestrians and bicyclists, pass safely and with minimum delay through our work zone.

Q After utility undergrounding is complete, what is the next stage in the improvement process?

A After this, work will focus on relocating several water and sewer lines along Woodside Avenue.

Q What do you like to do in your spare time?

A I like the outdoors so I tend to spend my spare time with my family doing different outings.

Thomas Edison developed the first underground electric cable system in Brockton, Massachusetts in 1883. He had originally proposed installing a central power system to replace the gas lamps along Brockton city streets, but some members of the community were concerned that overhead lines on telephone poles would look bad and cut through the city's iconic elm trees. In response to this, Edison designed an underground system that ran three wires two feet underground for a quarter of a mile into the heart of downtown Brockton. When you enjoy a clearer view of Woodside Avenue, thank Mr. Edison for his unprecedented idea over 130 years ago.

Did
You
Know