



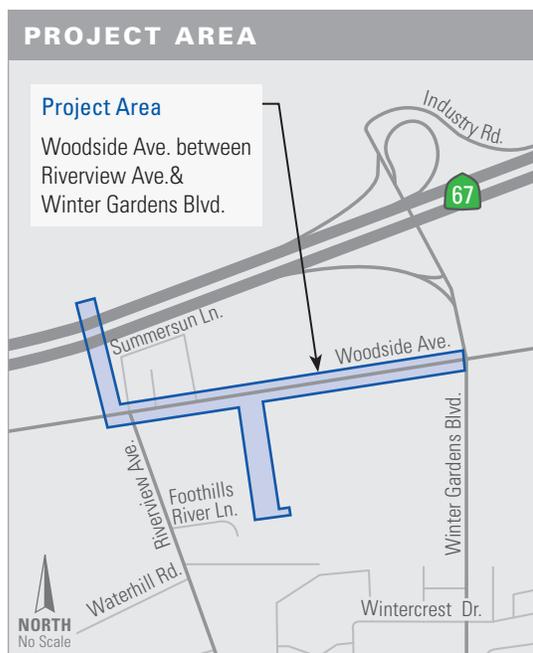
Year in Review

By the end of the year, the project will be 30% constructed. Great work since breaking ground in May. So far, much of the completed work includes installing or relocating gas lines, sewer lines, water lines and installing underground conduits so that overhead utility lines can be undergrounded and utility poles removed.

Accomplished work in 2015 and upcoming activities include:

- › **Utility Improvements:** Crews relocated over 100 feet of existing 36" water pipe to a lower elevation to make room for the new drainage culvert. In the next few months, crews will relocate additional 48" and 72" water lines.
- › **Water Quality Basin (WQB):** Crews have completed nearly 50% of the box culvert in the WQB. Crews are installing the culvert in segments to ensure that the concrete for each segment has set and hardened correctly before moving to the next segment. Building the culvert includes prepping and framing each portion of the channel and then pouring concrete to build the walls. As shown above, crews will continue framing and pouring the walls in segments as they move forward towards Woodside Avenue.
- › **SR 67 Stormwater Channel:** Crews are tunneling under SR 67 to install a preconstructed box culvert. This will allow stormwater to flow under Woodside Avenue and under SR 67 into Los Cocheros Creek.

Crews will continue this work in 2016 and bring additional elements of roadway work into the project, including excavating a trench along Woodside Avenue to connect the stormwater channel currently being built on both sides of the roadway.



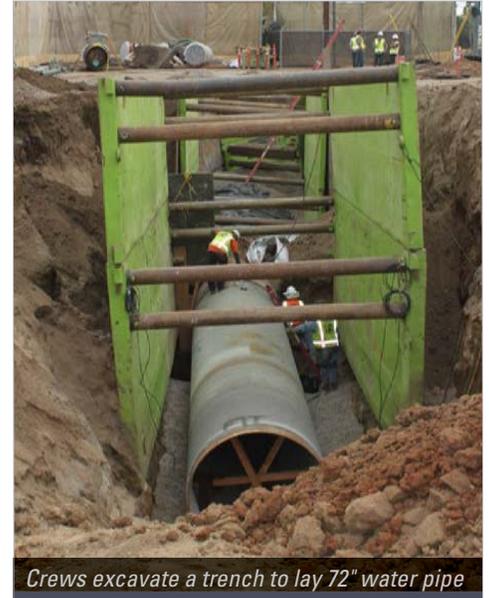
Project Update: Current Construction Activities

Work in November and December includes:

- **72" water line relocation:** Imagine a pipe big enough for a 6-foot tall person to stand up inside. That's how big this pipe is! Crews will relocate it 18-feet underground, under the new storm channel. This requires digging the trench and keeping it open and safe with temporary walls while crews assemble and lay the pipe.
- **48" Water line relocation:** Crews will

relocate a 48" water pipe to make room under Woodside Avenue for the new storm drain box culvert.

- **Water Quality Basin:** Crews will continue building the box culvert north towards Woodside Avenue, by framing and pouring concrete to form the walls of the culvert.
- **SR 67 Stormwater Channel:** Crews will use hydraulic pumps to push a large section of box culvert under SR 67 while boring and removing dirt from the inside of the box.
- **Storm Water Pollution Prevention Plan:** Crews continue using methods like gravel bags and fiber rolls to direct stormwater and control dust.

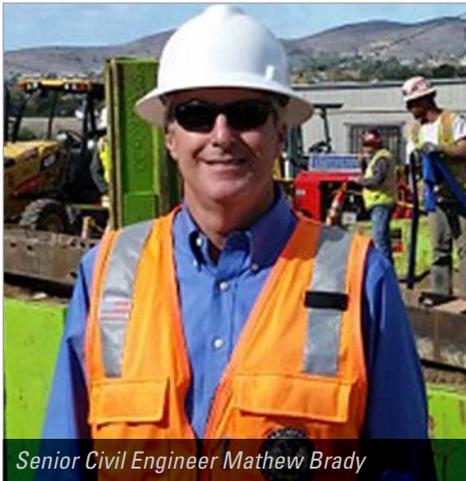


Crews excavate a trench to lay 72" water pipe

Meet the Team Mathew Brady Senior Civil Engineer

Q What are your responsibilities?

A I oversee the on-site resident engineer and field inspectors for the County of San Diego. I work to keep construction moving



Senior Civil Engineer Mathew Brady

forward, resolve conflicts, and administer changes to the contract. I also ensure the project stays on time and within budget whenever possible.

Q What is a major achievement crews have completed on the project in 2015?

A We recently completed the relocation of the existing 36" diameter water line. We removed and replaced over 100 feet of pipe at a lower elevation to make space for the new drainage culvert. This took months of planning with Padre Dam Municipal Water District to shut down the line and complete the work in a short time frame. The existing pipe is nearly 100 years old, which made it difficult to connect to modern pipe segments.

Q What is the benefit of crews undergrounding dry utility lines?

A We are taking advantage of this large project to relocate overhead dry utilities, such as electricity and telecommunications, underground. There are safety

benefits, because storms can knock down power lines and create electrical hazards. Removing utility poles decreases fixed items on the sidewalk and reduces the risk of accidents. There are aesthetic benefits to removing poles, like providing a clearer view for the community.

Q What other improvements will be included in the completed project?

A The completed project will have sidewalks and bike lanes, new signage, and an updated traffic signal at Riverview Avenue to make traveling safer for drivers and pedestrians. The road will be resurfaced with new asphalt to give the work area a fresh look. There will also be new crosswalks near Lakeside Middle School to facilitate safe routes to school.

Q What do you do in your spare time?

A I enjoy camping and hiking in remote locations, off-road driving and playing volleyball on a regular basis.

The stormwater system on Woodside Avenue is being improved to accommodate a 100-year flood. What is a 100-year flood? "100-year flood" describes the probability of a record-breaking flood occurring in any given year. A 100-year flood has a 1% probability of happening each year. On average, this means that in 100 years there is a likelihood of one record-breaking flood. This term can be confusing because the rates of flooding change under a range of conditions, so some areas may experience multiple 100-year floods in 100 years, while other areas might only have one 100-year flood in 200 years. While crews build this stormwater system for a future 100-year storm, they are maintaining their stormwater pollution prevention plans to keep Woodside Avenue ready for the upcoming rainy season.

**Did
You
Know**