

## Union County Prepares for Twelve-Mile Wastewater Treatment Plant Expansion

Union County Public Works announced it has selected the construction company for the expansion of the Twelve-Mile Creek Wastewater Treatment Plant. The County has awarded the contract to Adams Robinson Enterprises, Inc. in the amount of \$36,673,000.00, which is the County's largest capital improvement project in the last two decades.

Construction is expected to begin September 2016 and targeted for completion in fall of 2019. The Twelve Mile Creek Wastewater Treatment Plant expansion involves various upgrades to the facility, taking the treatment capacity from 6.0 million gallons per day (MGD) to 7.5 MGD.

These improvements will increase the treatment capacity of the plant to meet future short-term anticipated wastewater flows. The proposed improvements will also prepare the facility for future expansions: first to 9.0 MGD, and then to 12.0 MGD. Those expansion projects will meet the projected long-term wastewater treatment needs for southwestern portion of the County.

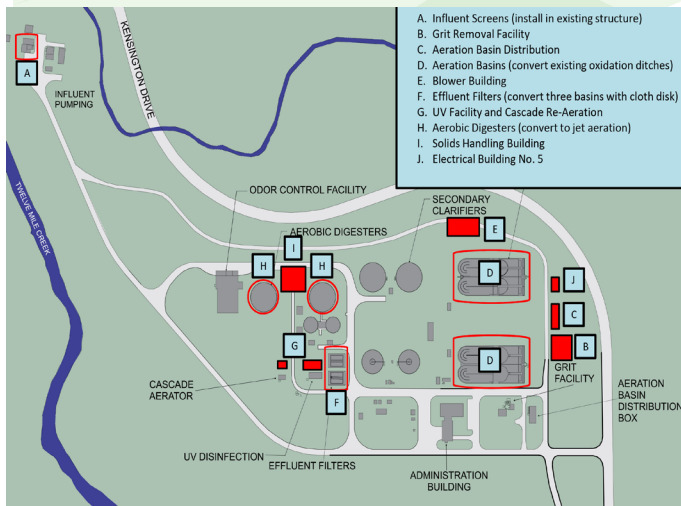
The WWTP Expansion project includes:

1. Upgrade and expansion of the influent pump station.
2. Replacement of the existing preliminary treatment facility with a new grit removal and odor control system.
3. Conversion of the existing biological treatment process to a diffused aeration system to enhance biological nutrient removal and provide additional capacity.
4. Replacement of the effluent disinfection system with a new high efficiency ultraviolet disinfection process.
5. Construction of a new residuals handling facilities which serves to stabilize and dewater the residual solids produced in the treatment process.

Four bids were submitted for the project. After the bids were received, they were opened and reviewed in a public forum.

Adams Robinson Enterprises, Inc. submitted the lowest bid and was recommended by the project engineering firm as the lowest price responsible bidder on the project. Adams Robinson Enterprises, Inc. headquartered in Dayton, OH, is a general and mechanical contractor with electrical capabilities that specializes in the construction of water and wastewater treatment plants.

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Rendering of the Twelve-Mile Creek WWTP Expansion

## Construction Company Selected for Catawba River Water Treatment Plant Reservoir

Union County Public Works announced it has selected the company for the construction of the Catawba River Water Treatment Plant (CRWTP) reservoir. The County has awarded the contract to Philips & Jordan, Inc. in the amount of \$34,502,303.00. This cost will be split equally (\$17,251,151.50 each) between Union County and our joint venture partner Lancaster County Water and Sewer District. Construction is set to begin in late fall.

The CRWTP is a water treatment facility located in Van Wyck, SC. It supplies clean, treated water to the residents and businesses of Union County, NC and Lancaster County, SC. A new reservoir is being constructed to hold one billion (1,000,000,000) gallons of raw water. It will encompass 92 acres and incorporate a new 66 million-gallon-per-day raw water pump station to feed the treatment facility.

The new reservoir will provide a constant supply of raw water to the treatment plant in times of low flow or drought. The increased capacity will mean 10 times more water reserve than the existing reservoir is capable of providing. It also increases water supply reliability to help meet water demands during emergency situations. This will be addressed by installing redundant pipelines, a standby pump and electrical back-up power at the Reservoir Pumping Station.

## **Jimmie Johnson Foundation to Once Again Hold Triathlon at Cane Creek Park**

The Jimmie Johnson Foundation Cane Creek Sprint Triathlon will be held at the beautiful lakeside setting in and around Cane Creek Park at 5213 Harkey Road in Waxhaw on Tuesday, July 26 at 6 p.m.

The triathlon will consist of a 500-yard swim, 13-mile bike ride and 5K run. The 13-mile bike course circumnavigates Cane Creek Park on rolling rural roads. The 500-yard swim course is an out and back triangle off of the sandy beach. The 5K run course is an exciting run using a combination of paved road in the park and trail along the banks of the lake. The trail used for the run is a single track trail with beautiful views of the lake. The run is entirely contained within Cane Creek Park.

This USAT sanctioned event is the second event of the Jimmie Johnson Foundation Wellness Challenge. The event can be done as an individual or as part of a relay team.

Participants can register early at [jimmiejohnsontri.racesonline.com](http://jimmiejohnsontri.racesonline.com). Same-day registration begins at 3:30 p.m. on July 26 and ends at 5 p.m. Same-day packet pick-up is from 3:30 p.m. – 5:30 p.m. Cane Creek Park will close at 3 p.m. on July 26. On Race Day, please follow the Jimmie Johnson Wellness Challenge parking signs to help find the parking lot.

