

LITTLE MILLIGAN/FISH SPRINGS WATER SYSTEM PROJECT

CLIENT:

Watauga River Regional Water Authority (WRRWA)

LOCATION:

Carter County, Tennessee

PROJECT TIME FRAME:

2002 thru 2012

CONSTRUCTION COST:

\$4 Million

FUNDING:

38% RUS, 4% ECWAG, 13% CDBG, 13% ARC, 32% Local

PROJECT TEAM:

Gary Tysinger, PE, FASCE - Oversight

Jill Workman, PE - Project Leader

Rick Bowers, PLS –Surveyor

Sam Clark - Designer

Clinton Reeser – Construction Observation

PROJECT SERVICES:

- Surveying & Easements
- Preliminary Engineering Reports & Analysis
- Water Distribution System Design
- Permitting
- Construction Drawings & Documents
- Construction Services & Observation
- Capacity Development Plan
- Funding Assistance

PROJECT DESCRIPTION:

This project involved the development of a new public water system to serve the rural communities of Little Milligan and Fish Springs. The system included a new groundwater source, treatment facility, a 173,000 gal. water storage tank, and 11 miles of distribution lines. The system was designed to serve approximately 600 customers, and approximately 360 properties were provided with service in the initial system development. This project was the result of a ten year “grass-roots” effort to provide a clean and dependable water source to a community utilizing springs, streams, cisterns, and hauled water to meet their basic needs. This project received the 2013 Rebuild Tennessee Award for Best Infrastructure Project for the region. TH&P worked closely with TDOT, TDEC, The United States Forest Service, Tennessee Department of Economic and Community Development, Carter County Planning and Zoning Departments, and the Carter County Highway Department on this project. This project was jointly funded by the United States Department of Agriculture (USDA) Rural Development and a CDBG grant. Construction work for this project was performed by Merkel Brothers Construction, Inc. and Frizzell Construction Co., Inc. This project was completed on schedule in 2012, closing under budget and without additive change orders.

Water Tank



Pump & Treatment Facility



Water Distribution Lines

