

# Dam Engineering Project

## Great Brook Cutler Shop Dam

NHDES Dam No. 009.12

Antrim, NH



The Great Brook Cutler Shop Dam (NHDES Dam No. 009.12), constructed in 1925, consisted of a stone masonry spillway with concrete training walls and earth embankments at each abutment. The dam is influenced by the Summer Street Bridge located immediately downstream. The dam had deteriorated over time, had significant leakage, and was in need of repair.

QCC's design of repairs consisted of an upstream concrete facing, apron, and short cutoff wall to seal the existing stone dam from leakage, and reduce seepage potential under the structure. The design also includes filter stone and riprap installed at the toe of the dam to control seepage and prevent erosion. Other improvements included masonry restoration, concrete training wall replacement, abutment cutoff walls, new spillway cap, gate and outlet pipe replacement, overtopping protection, and increased spillway capacity.

**Contact:**  
**William A. Prokop**  
**(Former Antrim Town**  
**Administrator)**  
**City of Beaufort**  
**1911 Boundary Street, 2nd**  
**Floor**  
**Beaufort, SC 29902**  
**(843) 525-7024**



**QUANTUM CONSTRUCTION CONSULTANTS, LLC**