

National Grid

Michael Avenue Substation Civil Design

Project Description

The Michael Avenue Substation is a new substation located on the outskirts of a rural residential subdivision in New Hampshire. Coneco was involved in the project from planning through construction. Services provided included substation location and access alternatives analysis with quantity take-off, preliminary substation civil engineering design, pre and post develop-



ment hydraulic analysis, stormwater management system design, final substation civil engineering design, transmission line switchgear access road and drainage design, civil permitting support, landscaping plan coordination, slope stability analysis, ornamental gate design, staking of clearing limits and clearing oversight, field locating erosion control lines, weekly CGP SWPPP inspections and reports and the construction inspection of the transmission line access road. The photos presented herein represent the pre (top row) and post (bottom row) construction conditions of the substation and transmission line access road at the project site.

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