

Triad Research Park

Winston Salem, NC

WEC constructed a shotcrete overlay on an existing soil nail wall to improve aesthetics and improve facing strength. Prior to our work the soil nail wall had an approximately 4 inch thick layer of lightly reinforced shotcrete with shear-studded plates protruding through the shotcrete.

The total wall area faced was approximately 5,000 square feet. The face of the existing wall was pressure washed prior to applying additional shotcrete to improve adhesion. WEC applied a reinforced facing system with a nominal thickness of 8 inches to ensure that the shear studs did not protrude through the facing and that their locations are not apparent after finishing.

GC: Yates Construction
Geotechnical Consultant: ECS
Geotechnical Contractor: WEC

