



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MIKE F. EASLEY
GOVERNOR

P.O. BOX 25201, RALEIGH, N.C. 27611-5201

LYNDO TIPPETT
SECRETARY

September 25, 2002

STATE PROJECT: 8.1811201 (U-2408)
FEDERAL PROJECT: STPNHF-274(1)
COUNTY: Gaston
DESCRIPTION: NC 274 (Bessemer City Rd.) from NC 275 to (Dallas-Bessemer City Rd.) to US 29-74 (Franklin Boulevard).

SUBJECT: Retaining Wall from 51+82 to 52+60 -L-, 13.80m Right

SITE DESCRIPTION

The Retaining Wall on the above mentioned project is located at 51+82 to 52+60 -L-, 13.80 meters right and will be approximately 3.0m in height at its tallest point. The Geotechnical Unit performed a total of three Standard Penetration Test (SPT) borings at this site. Two of these borings were offset 6.0 – 8.0m from the wall due to problems with access. Alluvial soils and/or rock were not encountered in any of the three borings.

Artificial fill soils encountered in these borings are approximately 2.0 – 4.0m in thickness and consist of loose to medium dense clayey sand (A-2-6) and very loose to loose silty sand (A-2-4). Organic debris was encountered at the borings performed at 52+20 -L- and 51+85 -L-. In addition, a 0.40m thick boulder was encountered at the boring performed at 52+60 -L-. Residual soils present consist of medium stiff sandy clays (A-6) and loose to dense silty sand (A-2-4, A-2-5).

Respectfully submitted,

A handwritten signature in black ink that reads "J.P. Rogers".

J. P. Rogers, Project Geologist
Geotechnical Unit, Matthews Field Office

Attachments (6)

cc: Division 12 Engineer