SOIL STABILIZATION
R.H. MOORE & ASSOCIATES
EROSION CONTROL
A Nexterra Company



REDUCING SUBSTANTIAL UNDERCUT ACROSS A LARGE PAVEMENT FOOTPRINT

TENSAR | SUBGRADE STABILIZATION | PAVEMENT FOUNDATION

LAKELAND VA OUTPATIENT CLINIC

THE CHALLENGE

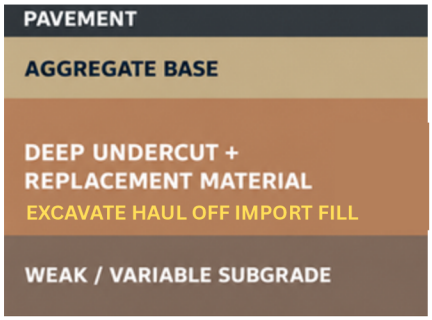
Large parking and pavement areas at the Lakeland VA Outpatient Clinic encountered weak and variable subgrade conditions with the potential to require substantial undercut, removal, hauling and replacement with imported material.

A conventional remediation approach would have increased excavation, truck traffic, disposal, imported material costs and schedule pressure across a large paved footprint. The project team needed a practical way to establish a stable working surface while reducing the depth and extent of undercut.

THE SOLUTION

R. H. Moore & Associates, a Nexterra company, supplied Tensar® NX850 and TX-5 geogrid for the pavement foundation. The project's contracting company installed the geogrid to stabilize the working surface and reduce the substantial undercut that otherwise would have been required across the parking and pavement areas.

TRADITIONAL UNDERCUT



TENSAR STABILIZATION



Invested in your team's success!



LESS UNDERCUT • LESS HAUL-OFF • LESS IMPORTED FILL • IMPROVED WORKING PLATFORM





WHY THE GEOGRID MATTERED

Tensar® NX850 and TX-5 were placed at the pavement foundation to confine aggregate and stabilize weak or variable subgrade. The mechanically stabilized section provided a constructible alternative to deeper excavation and replacement with imported material.

The geogrid also improved the working platform for construction activity across the site. That supported access and installation while reducing the amount of unsuitable soil that needed to be removed and replaced.

THE RESULTS

The pavement foundation system reduced substantial undercut and excavation across the large parking and pavement footprint. It also reduced haul-off of unsuitable soils and the need for imported replacement material.

The stabilized working surface helped the project team move construction forward with a more efficient foundation approach. Reduced excavation and material movement also created potential trucking and schedule efficiencies.

R.H. MOORE & ASSOCIATES

R. H. Moore & Associates was established in 1982 and has continued to represent the industry's leading manufacturers of erosion control systems and products exclusively throughout the state of Florida.

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