

Nisku Industrial Yard

Year of Construction: 2023
Location: Nisku, Alberta
Product Installed: TGC3030
System: Ground Improvement

CASE STUDY

CHALLENGE

Dealing with clays is always a challenge. Part of the design consideration was to extend the service life and increase the bearing capacity of the subgrade. High saturation and drainage enhancement were also top priority on this project.

SOLUTION

Geocomposites provide reinforcement, stabilization, separation, higher drainage and filtration. Main benefits of this type of ground improvement technique are : boost the aggregate layer performance by strengthening the base course, reduce life cycle cost, and increase the service life/traffic capacity.

SPECIAL NOTE

Terrafix technical service and design proposal offered a significant advantage over conventional construction methods. From ground conditions to CBR 3% average to CBR 20% with just 6-8 inches of crushed stone and 15 years design life.

