

## WORKING AROUND CLAY TO BUILD A NEW RESIDENTIAL COMMUNITY

After a soil test at a new community development site reveals high clay content, the developer and geotech engineer turn to Ferguson Waterworks for cost and time-saving geogrid alternatives to excavation.

**Customer:**

Meadows at Clear Springs

**Location:**

New Braunfels, Texas

**Products:**

Tensar InterAx® Geogrids

**PROJECT OVERVIEW:**

Meadows at Clear Springs is a new community of homes being built in New Braunfels, TX by Pulte Homes.

**CHALLENGE:**

P.I. values obtained from soil samples taken within the development zone ranged from 40 to 45 in the CLAY subgrade soil. Because this soil type is more difficult and expensive to excavate, the developer and their Geotech partner, Frost Geosciences, sought solutions to reduce both excavation and overall costs.

## HOW DOES FERGUSON WATERWORKS HELP PULTE HOMES SAVE MONEY AND TIME WITH INNOVATIVE GEOSYNTHETICS?

After thoroughly reviewing the site and consulting with Frost Geosciences, we recommended Tensar NX750 geogrid. In comparison to the previously suggested TX7, Tensar NX750 geogrid increases performance and durability.

For Type A (Design ESAL 100,000): Geogrid provides 377,800 ESALs vs 100,600 ESALs with the same HMAC Type D layer but with an 11.5" vs 8" flexible base with the grid.

For Type B (Design ESAL 2,000,000): The geogrid option takes away 6" of asphalt-treated base course but adds 5.25" of flexible base.

### WHY FERGUSON WATERWORKS:

With the reputation of being a premium supply partner, customers rely on our expert advisors to provide the most current and innovative geogrid products and solutions. Our hands-on approach equips us with the experience to recognize cost-saving opportunities. Not to mention, working with Tensar RSM, we help support design options.