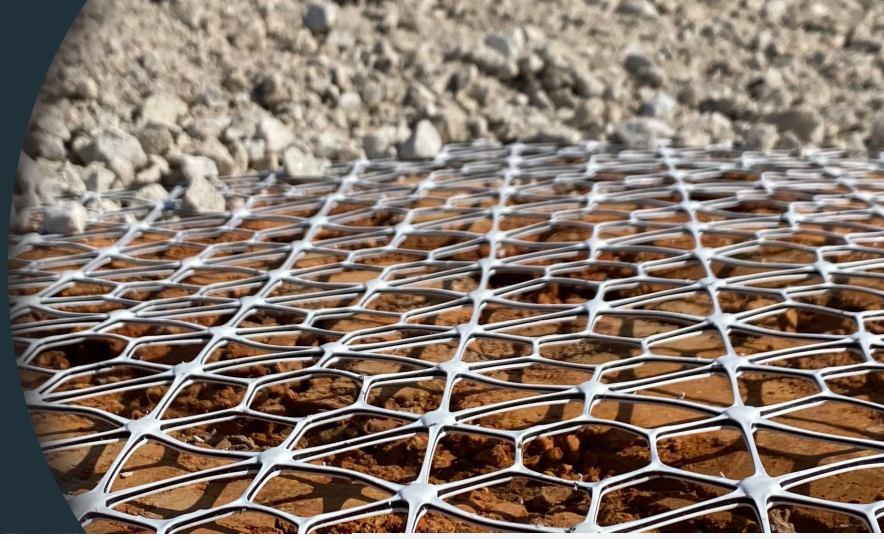


InterAx® Geogrid Reduces Costs and Keeps Project on Schedule After Chemical Stabilization Challenges



Building Pad Site

El Dorado Hills, CA

CHALLENGE

The contractor needed a solution to stabilize soft soils encountered on a building pad site. Despite initial chemical stabilization efforts, heavy rainfall left the site susceptible to deflections and rutting under construction traffic. The engineer, Youngdahl Consulting, needed to identify a solution that would provide a stable subgrade capable of supporting heavy construction traffic and, ultimately, heavy crane loading.

SOLUTION

Working with the engineer, a local Tensar representative visited the site to perform DCP testing in areas experiencing rutting. Using data from the DCP tests, the client was provided with several design scenarios incorporating InterAx geogrid.

InterAx geogrid improves confinement of unbound aggregate materials, resulting in a stiffer, more durable working surface. Subgrade strength specific aggregate thicknesses ranging from 8-12" was placed on top of InterAx NX850 geogrid. This solution minimized planned over-excavation, reducing costs and allowing the project to stay on schedule.

RESULTS

- Stabilized the site after cement stabilization failed.
- DCP testing allowed site-specific design recommendations.
- InterAx® NX850 geogrid improved aggregate confinement, creating a stiffer, more durable working surface.
- Reduced planned over-excavation, lowering construction costs.
- Kept the project on schedule despite initial chemical stabilization challenges.



PROJECT TEAM

Engineer

Youngdahl Consulting Group

Contractor

Western Engineering

Installation Date

March 2024

Product

InterAx NX850 geogrid



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