Re-design using InterAx geogrid allows City to reduce project budget.

Wood Middle School

Alameda, CA

CHALLENGE

To accommodate students during improvements at Wood Middle School, classrooms had to be closed, with temporary buildings constructed nearby. However, the temporary classroom site had soft, sandy soils that couldn't support the structures.

TENSAR SOLUTION

The engineer designed a geogrid stabilized raft using onsite soils stabilized with 3 layers of InterAx NX650 geogrid. The stabilized rafts supported 6 classroom structures and a playground area. Tensar InterAx geogrid confines and interlocks unbound fill materials creating a mechanically stabilized layer (MSL) with enhanced shear strength and bearing capacity. The geogrid stabilized raft is a cost-effective alternative to piers and other foundation improvement methods.

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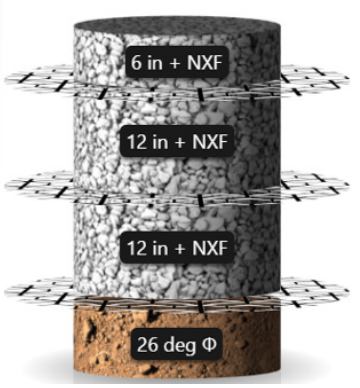
A Division of CMC

PROJECT DETAILS

Contractor
Duran and Venables General Engineering Contractors

Installation
April 2024

Product
InterAx NX650 geogrid



InterAx stabilized raft design with three layers NX650 geogrid.

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