



The Low-Cost Alternative to Sheet Pile Walls

Temporary walls are a necessity for many types of staged construction. However, conventional means of constructing them can be expensive and require heavy lifting and pile driving equipment. Now, there is a proven technology that allows you to build temporary walls without the difficulties and expense of standard techniques – Tensar® Temporary Retaining Walls.

A Tensar Temporary Retaining Wall can change the construction parameters for applications such as bridge improvements, road widening projects and staged construction or the construction of surcharge load cells. Tensar Uniaxial (UX) Geogrids internally reinforce the fill within the wall and utilize an economical wire-famed facing system. Temporary wall installation is no longer restricted to sheet pile or soldier pile and lagging walls. Both of these typically require toe penetration equal to or greater than the wall height and/or the use of secondary bracing or deadmen to safely retain the fill.

A Superior Solution

Pile systems have been the temporary wall of choice for many years. These walls require the use of expensive equipment and labor resulting in significant project costs.

By using less expensive materials, unskilled labor and lightweight equipment, Tensar Temporary Walls provide a low-cost alternative for temporary wall applications. Additionally, the materials may be left in place or easily removed as required.



Tensar Temporary Retaining Wall Advantages

- Reduced overall project costs
- Quick and easy installation
- No special labor or cranes required
- Corners and angles can be constructed from standard components without delays associated with custom fabrication
- Wall may be removed or left in place
- Potential to reduce undercutting and/or removal of soil

Components

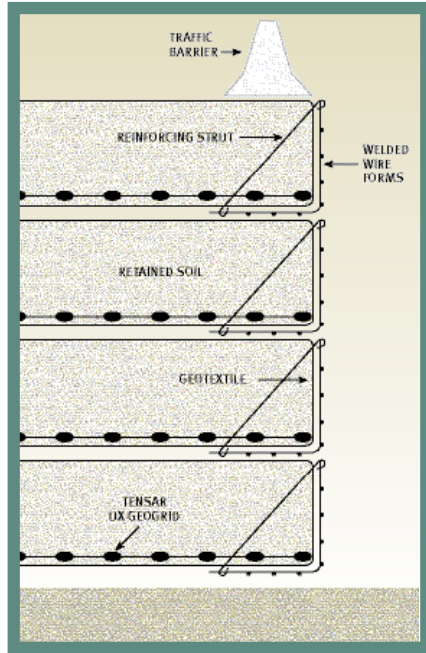
- Tensar UX Geogrids – manufactured from High Density Polyethylene (HDPE), the structural geogrid “locks up” the internal fill material, creating a reinforced soil mass.
- Geotextile – fabric used to contain fill at the face.
- Standard Wire Facing Elements – provide facing stability. The internally braced baskets permit alignment of the wall to meet staged construction requirements.

Proven in the Field

Tensor Temporary Retaining Walls have been utilized on many major rail and road transportation projects including I-95 (Florida), Pearl Street Commuter Railway (Massachusetts) and the Pennsylvania Turnpike. In all these projects, the system provided a lower cost alternative to conventional techniques.

Experience You Can Rely On

Tensor Earth Technologies, the leader in geosynthetic soil reinforcement, offers a variety of solutions for foundation, retaining wall and roadway projects. Our products and technologies, backed by the most thorough quality assurance practices, are at the forefront of the industry. Highly adaptable, cost-effective and installation-friendly, they provide exceptional, long-term performance under the most demanding conditions. Our support services include site evaluation, design consulting and site construction assistance. For innovative solutions to your engineering challenges, rely on the experience, resources and expertise that have set the industry standard for more than two decades.



Cross Section of a Tensor Temporary Retaining Wall.

For more information on the Temporary Retaining Walls System, please call 800-TENSAR-1, visit www.tensorcorp.com or e-mail info@tensorcorp.com. We are happy to supply you with additional product information, complete installation and design guidelines, system specifications, design details, conceptual designs, sealed construction drawings, preliminary cost estimates, summaries of completed projects and much more.



US-19, Florida – Over 100,000 square feet of Tensor Temporary retaining wall was used on the US-19 widening and reconstruction project in Clearwater, FL for FDOT.



I-95, Florida – The Tensor Temporary Wall allowed the contractor to sequence construction to meet the bid budget and construction plan.



Tensor Earth Technologies, Inc.
5883 Glenridge Drive, Suite 200
Atlanta, Georgia 30328
800-TENSAR-1
www.tensorcorp.com

©2006, Tensor Earth Technologies, Inc. Certain products and/or applications described or illustrated herein are protected under one or more U.S. patents. Other U.S. patents are pending, and certain foreign patents and patent applications may also exist. Trademark rights also apply as indicated herein. Final determination of the suitability of any information or material for the use contemplated, and its manner of use, is the sole responsibility of the user. Printed in the U.S.A.