

ERS Design+Supply+Support offers an integrated approach to your Engineered Geotechnical Applications and Earth Retention Solutions. We offer a wide range of design options, materials, and expert support during

the build. We provide a variety of Evaluation & Training services to address safety, new techniques of construction, and project evaluations. We approach every project with the same enthusiasm and innovation for your “ground-up” design and construction needs, value engineered concepts, and MSE Forensics.

Let the **ERS Design+Supply+Support** team be your partner on future projects.



SEGMENT RETAINING WALLS
Segmental Retaining Walls are often used as an effective and aesthetically pleasing solution for grade separation issues.



REINFORCED SOIL SLOPE
Reinforced Soil Slopes can be a cost effective solution to traditional retaining walls when enough space is available for the larger footprint.



MSE FORM WALLS
MSE Forms are often used in many different applications such as temp walls, and permanent walls for wetland areas, detention ponds, and stream and shoreline repair.



SHEET PILE WALLS
Sheet Pile Walls are a great solution when working with limited space or for deep excavations.



BIG BLOCK WALLS
Precast Gravity Wall Systems are an aesthetically pleasing option for walls up to 15'0" when there is no room for geogrid. Minimum excavation and speed of installation are key factors.



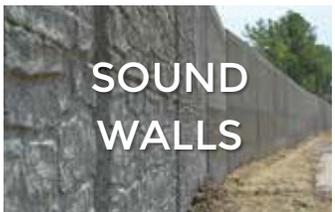
SOIL ANCHORS
Soil Anchors connected to bearing plates are great for slope stabilization, increasing soil bearing capacity, and remediation of failing MSE structures.



HELICAL ANCHORS
Helical Anchors are used for foundation support and retaining wall applications (both temp and permanent). They are installed with little to no disturbance to the surrounding area.



CAST - IN PLACE WALLS
Alternatively labeled as poured-in-place, cast in-place concrete walls are commonly used when there is little room for excavation, water is present, or for free standing structures.



SOUND WALLS
Sound Walls provide a barrier to reduce sound transmission from bustling roadways, retail areas or manufacturing facilities into adjacent communities. These are most commonly employed on metropolitan DOT projects for roadway improvements.



GABION WALLS
Gabion Walls are commonly designed without geogrid. The calculated mass of rock in the filled baskets is often sufficient for gravity walls in ponds, streams, and limited excavation areas.



SOLDIER PILE WALLS
Soldier Pile walls are used for temporary and permanent structures in "cut" scenarios when excavation behind the wall is restricted.



SUPPORT PLATFORMS
Crane Platforms are built to distribute the weight of the crane and its loads over a stable soil mass reinforced with geogrid and fabric contained by MSE Forms. This provides cost effective, safe access to the work area from one central location.

Meet Our Engineering Team



Chad Clark, P.E.
Founder

Chad is the founder of Earth Retention Systems (ERS) and Clark Geotechnical. He has 22 years of experience in the design and construction of earth retention structures and geotechnical engineering.

Chad is currently licensed in 25 states and has extensive experience throughout the U.S. He has supervised the design and construction of over 10 million square feet of earth retention systems consisting of segmental block, reinforced slope, MSE precast concrete panel, cast in place concrete, soldier pile, tie-back, soil nail, and sheet pile walls.

Prior to forming ERS & Clark Geotechnical, Chad held several prominent positions at geotechnical engineering firms, geosynthetic manufacturing companies and design build retaining wall construction firms.

Chad is a 1994 graduate of Georgia Institute of Technology with a Bachelor's in Civil Engineering.



Lance Carter, P.E.
Chief Engineer

Lance has a B.S. in Civil Engineering from Virginia Polytechnic Institute and State University (Virginia Tech), and is a registered Professional Engineer. He has more than 25 years of experience in the design, specification, and application of earth retention structures, with emphasis on segmental retaining wall and geosynthetic reinforced soil technology.

Lance is an active member within ASTM International and the National Concrete Masonry Association (NCMA) focusing on the development of standards and design methodologies beneficial to the advancement of geosynthetic materials and earth retention structures. Lance is former NCMA SRW Technical Subcommittee Chair.

Lance is a licensed professional engineer in 11 states, including AL, AR, FL, GA, LA, MI, MS, OH, TX, VT, and WV.



Matthew Thompson, P.E.
Mid-Atlantic Engineering Director

Matt graduated from Virginia Tech in 2001 with a B.S. in Civil and Environmental Engineering. Before joining ERS, he worked at the Reinforced Earth Company (RECo) for 4.5 years as a Design Engineer and Regional Engineer, performing and managing designs of MSE retaining wall structures for heavy highway and railway applications across the country.

After leaving RECo, Matt worked at GeoStructures, Inc. (GSI), a specialty design-build contractor, for 11 years as a Senior Engineer and Director of Engineering. At GSI he was involved in the design and construction of rammed aggregate pier, rigid inclusions, helical anchor, pile, and drilled shaft foundation systems for settlement control and slope stability. Matt was also involved in the development of in-house design software, estimating spreadsheets, department standards, and MSE wall technical packages for state DOT product approvals.

Matt is a licensed professional engineer in 8 states, including VA, MD, DC, NC, NY, NJ, DE, OH, and a member of ASCE.



Kyle Huerd, P.E.
Director of Engineering,
ERS-MidWest

Kyle graduated from the University of Minnesota Duluth in 2013 with a Bachelor of Science in Civil Engineering, and is a registered Professional Engineer. Before joining ERS, he worked at Allan Block for six years as a Design Engineer. Kyle has a wealth of knowledge in the design and application of earth retention systems and specializes in segmental retaining walls. He is highly skilled in AutoCAD, ReSSA+, and industry-leading technology. Kyle is an active member of the American Society for Testing and Materials (ASTM), has language proficiency in Spanish and Arabic, and is the owner of GeoWall Designs. Kyle is a decorated Army veteran having served six years as an Infantryman.

Kyle is a licensed professional engineer in six states to include Colorado, Indiana, Michigan, Minnesota, South Dakota, and Wisconsin.

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