

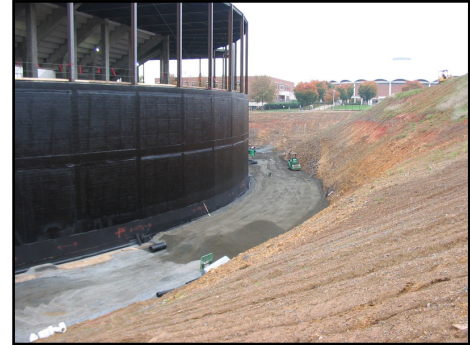
# John Paul Jones Arena - Pressure Relief Wire Wall (Tensar)

University of Virginia  
Charlottesville, VA



John Paul Jones Arena  
at the University of Virginia 

**Project Description:** The installation of the 20,715 square foot Sierra Scape Pressure Relief Wire Faced Wall allowed the 40 foot high arena wall to be designed for compression only and not as a retaining wall. This significantly reduced the cost and time to construct the arena wall. The pressure relief wall contained 50,000 tons of stone, exceeded 40 foot in height and needed to be built to close tolerances such that a gap of at least 10 inches was maintained between the pressure relief wall face and the concrete masonry arena wall. The project was completed in Spring of 2005.



First Lifts at base of wall



Main Entrance of the Arena with MSE Retaining Wall in the Foreground - March 10, 2005



MSE wall at the Northwest corner of the Arena - March 25, 2005



**General Contractor:** Barton Malow Company, Charlottesville, VA  
**Earthwork Subcontractor:** Falconer Construction Company, Charlottesville, VA  
**Architect:** VMDO Architects, P.C., Charlottesville, VA  
**Structural Engineer:** Ellerbe Becket, Kansas City, MO  
**Geotechnical Engineer:** Schnabel Engineering, Charlottesville, VA

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