

# RAVEN

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## MODULAR GEOSYNTHETICS CONSTRUCTION



### REDUCE PROJECT COSTS

Raven has developed a geosynthetics system engineered with a modular construction design concept that utilizes the newest technology in multi-layered extrusion manufacturing combined with high-tenacity scrim reinforcement to increase strength and improve field performance. Raven engineers both the geomembrane performance and the fabricated panels to meet your specific requirements. This modular approach increases project quality, and significantly reduces construction time, and days on site.



The Raven Modular Construction Model reduces up to 80% of job-site seams for substantial savings in days on site and installation costs by utilizing high quality prefabricated factory panels.

## MODULAR DESIGN CONCEPT

By utilizing our extensive network of fabrication facilities and our talented team of construction professionals, we can provide a system approach that is custom fabricated to the exact dimensions of your facility, while eliminating up to 80% of geomembrane field seams to save time and money. Raven provides customers with easy-to-use site deployment drawings and utilize our engineered fabrication process to build large site-fitted panels in a climate controlled quality environment. Our construction field services team will utilize the deployment drawings to create a custom installation plan to align with your project details. We also offer additional material and supervision options, which allow you to further control project costs by utilizing local labor combined with our certified field personnel. This option keeps the welding, testing and certification in the hands of the professionals, but limits the costs for full crew mobilization and housing during construction. Raven is a vertically integrated geosynthetics contractor, addressing all phases, from manufacturing to fabrication to installation; providing a one-stop source from start to finished project.

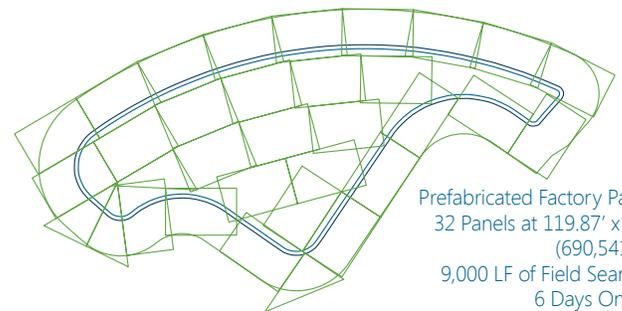
**FACTORY FABRICATED  
GEOMEMBRANE PANELS:  
SAVE TIME AND MONEY.**

## MODULAR DESIGN DRAWINGS

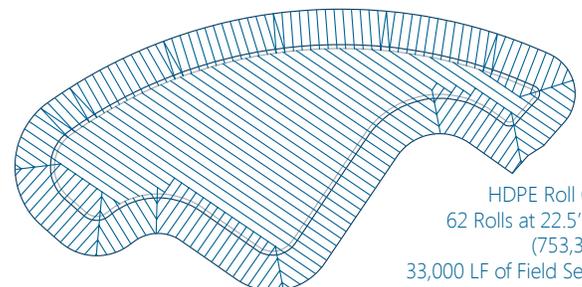
Project simulation drawings illustrate how Raven can construct an approximate 5-acre facility with a designed gradient to move any leachate to a center sump and collection point for water, and/or leachate management. We have developed this system to assist in a variety of applications from landfill construction, leachate collection ponds, water storage, wastewater storage, to oil and gas applications. We can scale this modular construction concept to any size based on your specific project requirements. Our system approach can incorporate double-lined containment projects, as well as complete containment systems with integrated floating covers.

## INCREASE PROJECT PROFITS

Using this modular system, facilities can increase their bottom-line and realize substantial savings in site labor, weather risk potential, and days spent on site for deployment. Raven has developed an integrated approach to include world-class geomembrane manufacturing, quality fabrication, and certified installation to provide the civil and commercial construction sector with a turn-key solution and a more effective approach to quality containment. Raven incorporates the latest technology to develop sustainable environmental solutions that directly address hazardous and non-hazardous containment and promote stewardship in the remediation, clean-up, reuse, and redevelopment of environmentally impaired sites. We are ready to partner with you to build an engineered system that is cost effective, reliable and backed by decades of experience from design-concept to the finished system. Raven CLI Construction will custom tailor a design-build solution to meet your exact needs, while reducing the overall project costs. Contact us to get started, and let us show you what our modular construction system can do for you!



Prefabricated Factory Panels  
32 Panels at 119.87' x 180'  
(690,541 s.f.)  
9,000 LF of Field Seaming  
6 Days On-site



HDPE Roll Goods  
62 Rolls at 22.5' x 540'  
(753,300 s.f.)  
33,000 LF of Field Seaming  
9 Days On-site

### RAVEN ENGINEERED FILMS

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