

PROJECT STAKEHOLDERS

- Empire Resorts Inc
- Malke Enterprises
- McCarey's Landscaping
- Aspen Landscaping Contracting
- Argenio Brothers
- EJ Prescott
- AKRF Engineering Firm

CHALLENGES

- Short application window
- Poor soil conditions
- Preventing sedimentation runoff to surrounding waterbodies
- Working with multiple agencies

APPLICATION

- ProGanics® BSM™:
3,000 lb/ac (3,360 kg/ha)
- Flexterra® HP-FGM®:
3,000 lb/ac (3,360 kg/ha)

RESULTS

- Within months, the site was vegetated and held strong through the long winter
- The success earned Profile more projects on this site in 2018 and into the future



Top: Construction on the resort
Bottom: ProGanics application on a slope



Vegetation began to establish within weeks of application, and the site was fully vegetated in follow up inspections one year later

After grading finished on portions of the Empire Resorts Casino in 2016, the resort wanted to establish vegetation on more than 100 acres (40 ha) of land with hydraulically applied cellulose mulch. However, the engineering firm working on the site questioned how successful the low-performing product would be. With waterbodies nearby, the engineering firm determined the risk for sediment pollution was high.

Looking for a more robust solution, Profile was called in to assist on the site. The solution needed to take into account the potential runoff and limited time frame to establish vegetation.

To solve this issue, the project engineer specified Profile's Flexterra® High Performance-Flexible Growth Medium® (HP-FGM®). Flexterra is the industry's leading hydraulically applied erosion control product, proven to minimize sediment migration and provide near-perfect erosion control.

Profile's partners also took multiple soil tests across the site and found several areas with deficient soils. To restore the soil, the team applied ProGanics® Biotic Soil Media™ (BSM™), an Engineered Soil Media™ (ESM™) that provides the organic matter and soil-building components to modify the soil chemistry and initiate growth and sustainable vegetative establishment. With the long winter on the horizon, a team of hydroseeding companies quickly worked to apply the ProGanics and Flexterra to the site. Within a few weeks, vegetation began to establish. The engineering firm noted the Flexterra application held the seed and soil in place, eliminating worries about sediment pollution. During follow-up inspections in 2018, the site had established sustainable vegetation. The success of this project earned Profile the opportunity to consult on additional projects on the site over the next few years.



Follow-up inspections saw significant growth, including along the roadways