

Master Planned Community Uses Innovative Grass Pavers for Fire Lanes

Project Name: Morrison Ranch

Location: Gilbert, AZ

Property Size: Commercial - Large

Products: Grass Pavers

Property Type: Residential Community

Partners: FairCo, Whitmore Consulting and SiteOne Landscape Supply



Challenge: Permeable pavers that allow healthy grass growth needed for fire lanes

With 6,000 living units across 2,000 acres, Morrison Ranch is located in the heart of Gilbert, AZ. As a mixed-use, master planned community, it features a diverse range of homes, along with recreational, commercial and educational facilities. Its open spaces and walking trails are interconnected to encourage residents to fully experience the amenities and outdoor areas the community has to offer. As part of the build process, the companies in charge of its design and landscape infrastructure called on NDS drainage specialists to help develop all the fire lanes throughout the community using a strong grass surface as an alternative to asphalt or concrete. This project started in early 2003 and wrapped up the last of 9 phases in 2020.

Solution: Tufftrack grass pavers offer high performance alternative to traditional paving

NDS TT-24 Tufftrack grass pavers were chosen specifically for this project because they offer the most effective option available designed to transfer vehicle load to the paver base while preventing soil compaction within paver cells. In addition, these particular grass pavers provide a permeable surface that eliminates or reduces stormwater runoff and allows for increased lateral movement of water and nutrients. The reinforced grass root zone is protected by a grid of hexagonal cells, allowing for healthy grass growth even under strenuous conditions. Easy to assemble 24"x24" panels connect together with a clip fastener, and no extra pieces or tools are required.

Impact: Aesthetic and sustainable grass pavers with best-in-class load rating benefit community

After much research, the irrigation consultant determined NDS TT-24 Tufftrack was the best long-term solution for the community and its residents – due specifically to its higher load rating for fire lane access roads. In addition, TT-24 was used to achieve LEED credits in multiple categories as it's made of up to 100% recycled plastic.

Visit ndspro.com for:



Videos



Tools/
Calculators



Downloads



Case
Studies



Request
a Quote

NDS Customer Service

851 N. Harvard Ave., Lindsay, CA 93247

Phone: 800.726.1994 · 559.562.9888

Fax: 800.726.1998 · 559.562.4488