CASE STUDY

Client: Loyola University
Location: Baltimore, Maryland
Product(s): GRASSMAT®
Application: Stadium Parking (150,000 SF)

ISSUE

With the recent completion of a new sports complex, Loyola University was in need of additional event parking at the soccer and lacrosse stadium. The new facility had already reached its maximum allowable impervious surface area under the current zoning restrictions. In addition, the project was located over a capped landfill site, which posed a number of constraints in regard to topography and soil conditions. Loyola needed a cost-effective approach that would double capacity without increasing impervious cover.

SOLUTION

Based on the intended frequency of use and current site conditions, Loyola University selected GRASSMAT® to reinforce the grass area directly adjacent to the main soccer field to create auxiliary parking during games and tournaments. Over 150,000 square feet of GRASSMAT® was installed to support vehicle over the existing, newly sown grass area. GRASSMAT® was chosen due to its load bearing capacity over the soil profile, which mitigates compaction and protects vegetative growth. The stadium more than doubled capacity of parking without adding additional impervious surface.

BENEFITS

Using GRASSMAT® , Loyola University doubled its parking capacity at the new sports complex without adding any additional impervious surface area. The added capacity reduces the amount of rented parking and transportation needed for sporting events, greatly reducing transportation costs and quickly paying for project costs. The new installation creates a multifunctional green space that serves as a recreational space and parking structure without generating additional stormwater or changing the aesthetic view from the sports complex.

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CASE STUDY

Client: Church of the Redeemer
Location: Nashville, Tennessee
Product(s): GRASSMAT®
Application: Overflow Grass Parking Lot (7,300 SF)

ISSUE

The Church of the Redeemer, located in Nashville, Tennessee, had seen its congregation grow rapidly over the years resulting in increased use of the sur-rounding grassed areas for parking. The unreinforced turf of the overflow area was unable to withstand the amount of use and was reduced to a bare, unsightly, muddy and slippery surface when wet.

SOLUTION

GRASSMAT® Heavy mesh was selected and installed on a large grass area designated spe-cifically for grass parking. The contractor pinned GRASSMAT® mesh directly to the surface allowing the grass to grow through the mesh, creating a strong reinforced surface. Due to the historical site conditions, a secondary geogrid layer was installed directly below the GRASSMAT® mesh to provide additional support.

Special 'Push-in' parking stall markers were installed to clearly show individual stalls, enabling tidy parking. Parking stall markers are a useful GRASSMAT® accessory, allowing for organized occasional and long-term use grass parking lots. The reorganized and reinforced grass parking improved capacity by 30 park-ing stalls.

BENEFITS

GRASSMAT allowed the Church of the Redeemer to employ a green solution to the parking problem while preserving the natural appear-ance of the site. The permeable grass surface elimi-nated the effects that would have been caused by
a paved surface (water run-off, construction debris, etc.) and offered a cost effective, discreet and easy to install solution that maximized parking.

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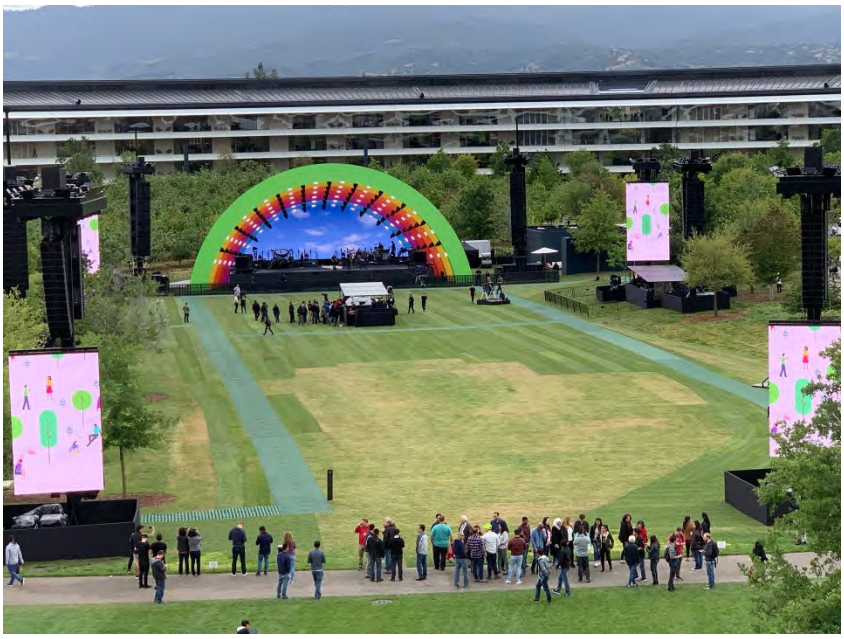

University of Vermont

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