

Bomanite Pervious Concrete Systems

PROJECT PROFILE

ST. MIKES SCHOOL



PROJECT INFORMATION

Bomanite Grasscrete Systems provide a variety of landscape solutions while maintaining a sustainable, "Green" product design. As a cast-in-place, monolithic, pervious concrete pavement that is continuously reinforced to provide superior structural integrity, Grasscrete offers the ability to provide year-round access to a variety of applications without compromising surrounding aesthetics or environment. Bomanite Licensed Contractor, Green Pervious Systems was contacted to provide a solution to an existing entry courtyard that was landscaped with gravel and plants. Due to heavy foot traffic across the landscaped areas it was impossible for the school to maintain the upkeep of the landscaping. Bomanite Grasscrete Systems was selected to replace the gravel courtyard for several reasons, first, it would allow for foot traffic across the courtyard without destroying the planted grass. Second, the courtyard receives storm water runoff from the surrounding buildings and Grasscrete allows the water to be absorbed rapidly in the confined courtyards and provides a porous surface to stockpile snow that is removed from the walks in the winter months. The Grasscrete System consisted of a loose ¾" gravel approximately 6" thick for the drain bed which was covered with a filter fabric / weed barrier. The filter fabric then was covered with a 2" sand leveling course for the Molded Pulp Formers. The formers are placed to grade and concrete is placed on the formers and screeded level with the tops. The concrete was given a broom finish and after the concrete had set the tops of the formers are removed and clean topsoil was used to fill the forms. The soil was left approximately ½" low to prevent compaction of the planting material from foot traffic. The forms were then filled with grass seed to complete the system. Grasscrete offers the ability to provide year-round access for a variety of applications requiring structural paving surfaces without compromising the aesthetics of the exterior landscaping. Grasscrete is a very sustainable product that can employ a large recycled material content both in the form of aggregate and binder such as fly ash or slag—its lifespan is indefinite and can be recycled itself to form the aggregates for future Grasscrete applications; providing Specifiers with a truly sustainable, eco-friendly system to accommodate a variety of needs.

PROJECT DETAILS

LOCATION

Santa Fe, New Mexico

CLIENT

St. Mikes School

GENERAL CONTRACTOR

G & H Construction Co, Inc.

INSTALL COMPLETED

March 2008

SQUARE FEET

2,800

BOMANITE SYSTEMS

Grasscrete - Molded Pulp Former

BOMANITE LICENSED CONTRACTOR

Green Pervious Systems, LLC

Bomanite Pervious Concrete Systems

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St. Mikes School - Entry Courtyard - Grasscrete Partially Concealed System



St. Mikes School - Entry Courtyard - Grasscrete Partially Concealed System



St. Mikes School - Entry Courtyard - Grasscrete Partially Concealed System For Stormwater Runoff



St. Mikes School - Entry Courtyard - Grasscrete Partially Concealed System For Heavy Foot Traffic



St. Mikes School - Entry Courtyard - Grasscrete Partially Concealed System



St. Mikes School - Entry Courtyard - Grasscrete Partially Concealed System