



Philadelphia Zoo Tiger Lot - Stormwater Management

After Viridian's highly successful KidZooU project at the Philadelphia Zoo, the Zoo Team, including their lead horticulturalist, invited Viridian to help with myriad smaller projects around the campus.

One of these projects, the rehabilitation of the Tiger Lot, transformed a tired, standard parking lot into a vibrant, green infrastructure arrival space. Working closely with the civil engineer, Viridian helped shape a cost-effective plan that added a working bioswale into the lot. They carefully integrated existing infrastructure like light poles and underground utilities. The retrofit that manages 3,500 cubic feet (26,180 gallons) of runoff, a 1-inch storm event, from 38,019 SF (0.87 acres) of impervious surface. Stormwater used to go to the combined sewer

They helped to shepherd the project through a difficult construction process answering contractor's questions and helping them make adaptations to unknown underground field conditions.

Today the lot is busting with color and insect life reminding visitor's they are part of the world's ecosystem and instrumental to its protection from the first moment they arrive at the zoo.

Location: Philadelphia, Pennsylvania
Client: Zoological Society of Philadelphia
Size: 50,000 sf
Cost: \$366,000
Status: Completed 2014