

Demonstration of Porous Asphalt Infiltration Test and Vacuum Cleaning
Phipps Conservatory and Botanical Gardens, Center for Sustainable Landscapes Parking Area
3RWW Green Infrastructure Maintenance Workshop
September 2015

An infiltration test was performed on porous asphalt that was installed in 2012 in the Phipps Center for Sustainable Landscapes parking area. Testing was done both before and after the pavement was cleaned using an Elgin Whirlwind vacuum truck - (http://www.elginsweeper.com/portals/0/pdf/whirlwind/elgin_whirlwindbrochure_web.pdf).

Jason Wirick, Director of Facilities and Sustainability Management at Phipps, noted that the hardscape of the Center for Sustainable Landscapes is treated with special de-icing agents because some stormwater runs off the pavement to the adjacent bioswales or infiltrates through the porous portions of the pavement (parking stalls) and is conveyed to the bioswales via subsurface pipes.

Phipps blends the two products for the best performance, and sources them from Pitt Chemical.

CMA

<http://www.cryotech.com/cryotech-cma-commercial>

Sodium Acetate

<http://www.cryotech.com/cryotech-naac-commercial>



Bruce Cody, GI Maintenance Workshop presenter from the Pennsylvania Aggregates and Concrete Association demonstrates an infiltration test using ASTM 1701