

Youngstown State Environmental Protection Agency

Rainworks Challenge

Permeable pavement on parking lots
 Bioswales along parking lots
 Rain gardens along edge of area

Student seating area
 Bus stop with green roof and wall

Rain gardens in select center circles
 Bioswale-connected sprinkler system
 Bicycle racks near student areas

Statistic	Current Scenario	Baseline Scenario
Average Annual Rainfall	40.9 in.	39.79 in.
Average Annual Runoff	3.31 in.	27.52 in.
Days per Year With Rainfall	87.04	87.49
Days per Year with Runoff	6.60	65.90
Percent of Wet Days Retained	92.42	24.67
Smallest Rainfall w/ Runoff	1.04 in.	0.1 in.
Largest Rainfall w/o Runoff	1.1 in.	0.23 in.