

GLENVIEW PARK DISTRICT PARK SERVICES FACILITY

Green 'Till it Hurts

The Challenge: Without a clear and measurable sustainable goal and giving respect to the budget, how can green features enhance the project and be instituted “until it hurt?”

The Solution: The Park District was very interested in building an environmentally sensitive maintenance facility, but were not interested in pursuing formal LEED Certification. In response, SRBL designed several meaningful and innovative sustainable features.

Geothermal Heating: An innovative and exciting system for heating the building capturing the heat of the earth was instituted. The system uses a series of tubes installed below the detention pond west of the building, capturing the heat inherent in the ground and the water and pumps inside the building move this heated liquid to heat pumps that distribute heat through the building.

Rainwater Collection: A steel cistern was provided to collect the rainwater off the roof. This water is then used for watering the landscaping. This allows the plants to be watered without using any potable water.

Green Roof: The office portion of the building is capped with a planted roof that lowers the temperature of the roof, thus making the HVAC work less hard, plus it absorbs rainwater, slowing runoff and acting as an important step in a site-wide storm water management strategy. In addition, white reflective roofing on the garage portion of the building nicely reflects heat, easing heating and cooling systems, as well as long-term maintenance.

Reflective Pavement: The oversized maintenance yard uses all light-colored concrete pavement, which reflects light and heat is also a longer term sustainable choice, as it will last twice as long as conventional asphalt pavement.

The Result: SRBL worked with the Park District to infuse the maintenance facility with green features that not only enhance operations and maintenance, but set an exemplary example for environmental stewardship amongst public agencies.



Project Quick Facts

Cost of Construction: \$4,390,745

Size: 22,000 SF

Status: Completed May 2010

Address: 655 Zenith Drive
Glenview, IL

