

# Green Infrastructure Project Completion Report

## Project C-92: GIF#40: Courts4Kids Skiddy Park

DATE: January 2012  
Contractor: Barrett Paving Materials

Presented herein for the noted site is a summary of issues/features related to the design and construction of the project, its current status and project metrics.

### Item #1: Stormwater Details and Specifications

- 1A. Porous Asphalt Gradation and Binder.** Because the surface of the porous asphalt was intended to be used for basketball playing only, the gradation of the porous asphalt was revised to produce a smoother playing surface. Furthermore, typically porous asphalt parking lots require a binder of grade PG-72 or higher. Because the basketball courts will likely get no vehicular traffic, the binder was decreased to PG-64 for this project.

**Further Action Needed:** The performance of the porous asphalt will be monitored in the future to determine if the mix used for this project should be revised for future basketball court projects.

### Item #2: Basketball Hoops/Soccer Goals

- 2A. Basketball Hoop Pole Mount.** Shortly after construction was completed, it was discovered that an anchor bolt was not installed between the basketball hoop pole and the surrounding concrete. As a result, the hoop was able to rotate freely when twisted by grabbing the rim and swinging. The contractor was called back out to the site to install an anchor and correct the problem.

**Further Action Needed:** For future porous basketball court projects, an anchor will be specified to properly support the hoop pole mount. The Contractor completed this modification at no additional cost.

- 2B. Basketball Hoop Pole Concrete Base.** During paving operations, sonna-tube was used to form the area in which the pole supporting the rim was to be placed, while placing asphalt, the sonna-tube caved in due to pressure from the rolling of the pavement. As a result, a depression occurred around the pole base due to shifting subbase material.

**Further Action Needed:** For future porous basketball court projects, PVC sleeves will be used to form the location where the hoops will be installed. PVC sleeves are much more durable and should be able to withstand the pressure of paving operations. The Contractor completed this modification at no additional cost.

- 2C. Basketball Hoop Types.** The City Parks Dept. has requested that the hoops in future porous basketball court projects provide adequate support in the event of dunking, and be adjustable from the backboard to allow for height adjustments without reinstalling the whole hoop.

**Further Action Needed:** For future porous basketball court projects with basketball hoops, City Parks Dept. input will be received earlier so that the proper basketball hoops are installed.

- 2D. Soccer Goals.** The soccer goals installed by the Courts4Kids foundation were not the goals intended by the City Parks Dept. The City Parks Dept. has requested that the soccer goals be much smaller, sized for the playing court, and that they be removable in the winter.

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**Further Action Needed:** For future porous soccer court projects with soccer goals, City Parks Dept. input will be received earlier so that the proper soccer goals are installed.

### Item #3: Public Outreach

**3A. Save the Rain Website.** The primary public outreach method for this project was the Save the Rain website. The project plans and specifications, and fact sheet were uploaded to the website to inform the public of the project and what was occurring.

**Further Action Needed:** The Save the Rain website will continue to act as the primary public outreach method for all of the Save the Rain green projects. However, targeted outreach will occur in more highly populated and sensitive areas to inform the public of the project.

**3B. Partnership with Courts4Kids.** The Courts4Kids foundation provided funding for all non-green aspects of the porous basketball courts project. They also arranged a press event for the opening of the new courts which was attended by County Executive Joanne Mahoney, City of Syracuse Mayor Stephanie Miner and Syracuse University Men's Basketball Coach Jim Boeheim.

**Further Action Needed:** The Courts4Kids foundation has expressed interest in continuing the partnership in future years with the construction of more basketball courts. CH2M HILL will reach out to the foundation in future years to pay for the non-green aspects of the porous basketball courts projects.

### Project Metrics Summary

GIF Award Amount	\$162,075
Change Order Total	\$0
Total Project Cost	\$162,075
Total CSO Reduction	244,000 gallons
Cost per CSO Reduction	\$0.66 per gallon