



Conservation Reality Green Roof

Elmhurst, Illinois



As the general contractor for the Conservation Design Forum Green Roof Research Project, Conservation Land Stewardship (CLS) was called upon to implement a design which sought to test the standards of green roof construction and sustainable building practices. This project involved the installation and maintenance of test plots which will examine the impact of several variables, including different types of drainage systems, growing media, and vegetation compositions.

CLS completed installation of the green roof systems, plant materials, and monitoring components in 2004. Monitoring and maintenance of the project are ongoing. Installation components completed to date include:

- reinforcement and retrofit of existing roof structures and load capacities
- installation of drainage systems, water retention structures, and separation geotextiles
- custom mixing and installation of growing media
- installation of plant materials
- design and installation of stormwater routing and monitoring structures
- vegetative monitoring and maintenance

Client: Conservation Reality, L.L.C.

Project team: Conservation Land Stewardship
Conservation Design Forum
CE Anderson Engineering
Illinois EPA

Status: Construction completed in 2004
Ongoing monitoring and stewardship

Project budget: \$380,000