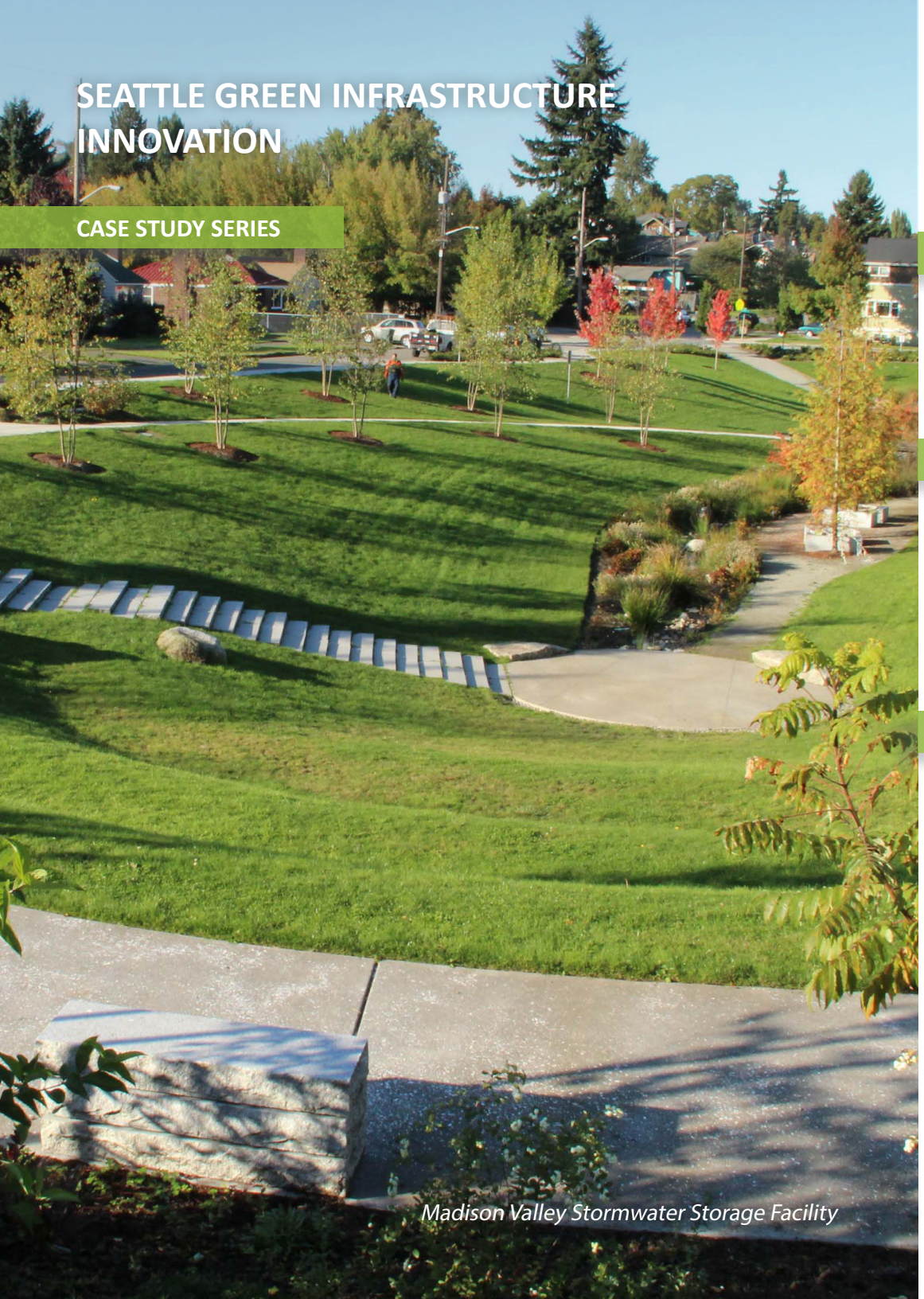
SEATTLE GREEN INFRASTRUCTURE INNOVATION

CASE STUDY SERIES



Madison Valley Stormwater Storage Facility

Madison Valley Stormwater Project

30th Ave E between E Denny and E John St; 29th Ave E & Roy St.

PERFORMANCE SNAPSHOT

- Together, two sites combined with underground infrastructure have the capacity to accommodate stormwater from an 150-year event
- Greatly reduced potential for sewer backups and stormwater flooding while creating new open space for community

GREEN INFRASTRUCTURE TECHNOLOGY TYPES

Retention

INNOVATION HIGHLIGHTS

Design Innovation

This project combines stormwater retention with usable public open space. In heavy rains when underground pipelines become full, the above-ground holding area on 30th Ave E is activated, storing water until the pipelines clear. At Washington Park, a 1.3 million gallon storage tank was designed with an overlook on top to double its function as public infrastructure. The site was also transformed into a reforested park.

Public Space

Most of the time, this area serves as an attractive open space for the community, providing a green and inviting environment featuring native plants and trees, walking paths, a sandy play area for kids, and art sculptures.

Community Engagement

Extensive community participation was an integral part of the design process. Seattle Public Utilities partnered with Seattle Parks and Recreation to build both sites.

Washington Park Improvements

PROJECT DETAILS

TOTAL STORAGE CAPACITY	4 million gallons
DRIVER	Extreme Event Flooding
OWNER	Seattle Public Utilities
FUNDER	Seattle Public Utilities
INFRASTRUCTURE COST	$34.5 million (all phases and additional drainage improvements)
PROJECT TEAM	Seattle Public Utilities, Stantec, RH2, Karen Keist Landscape Architects, Nakano Associates, Seattle Parks and Recreation
MAINTAINED BY	Seattle Public Utilities

MORE INFORMATION

http://www.seattle.gov/Documents/Departments/SPU//111412C-DWACPresentationMadisonValley.pdf

Seattle