

CASE STUDY

WTC Memorial Has Green Future

New York City, NY

OWNER

National September 11 Memorial & Museum,
New York City, NY

ENGINEER

WSP Cantor Seinuk, Montreal, Quebec

CONSTRUCTION MANAGER

Lend Lease, Sydney, Australia

INSTALLATION DATE

2010

PRODUCTS

2,400' (731 m) of 10" (250 mm) N-12® perforated pipe

2,100' (640 m) of 8" (200 mm) N-12 perforated pipe

3,100' (945 m) of N-12 solid pipe

DESCRIPTION

Construction of the World Trade Center Memorial Plaza, which honors victims from the attacks on the World Trade Center in 2001 and 1993, required the site to earn a LEED® gold rating from the U.S. Green Building Council (USGBC).

The stormwater drainage and storage system, which is made from N-12 pipe, collects water and irrigates the park setting, where over 400 trees cover the area that was the basement of the buildings destroyed on Sept. 11, 2001.

Perforated N-12 pipe, wrapped in a geotextile fabric to block fines and sands, gathers water into the system and the water flows into sumps. The water is then re-used for the irrigation.

Due to its design, N-12 produces a smaller environmental impact than other pipe materials, such as corrugated metal or reinforced concrete pipe. This allowed the Memorial Plaza to be certified through the USGBC LEED program.

