

When the Port Authority of New York and New Jersey set out to build an architecturally significant, state-of-the-art transportation hub for the World Trade Center, it also wanted the new complex to achieve LEED certification. As part of this green initiative, designers were seeking a way to purify stormwater that had been captured from the large outdoor plaza above and recycle it throughout the complex as needed.

That is where Terre Hill Concrete Products' hydrodynamic separator product line came into play. The separator removes sediment, debris, floatable contaminants and hydrocarbons from stormwater runoff using a patented design of inclined aluminum lamella plates contained within a precast concrete box. This company is the first and only manufacturer in the world to apply this technology to stormwater filtration. Thanks to a unique location, the product's standard deep but narrow design would not suffice, so Terre Hill's engineers developed a new, low-profile separator that employed a wide, shallow design. The custom-designed units have been rated to filter up to 1,500 gallons per minute, offering maximum performance inside a totally new configuration.

TAKE A NEW LOOK AT PRECAST

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PRECAST CASE STUDY

PROJECT:
WORLD TRADE CENTER
TRANSPORTATION HUB PROJECT

LOCATION:
NEW YORK, NY.

PRECAST MANUFACTURER
TERRE HILL CONCRETE PRODUCTS
www.terrehill.com

