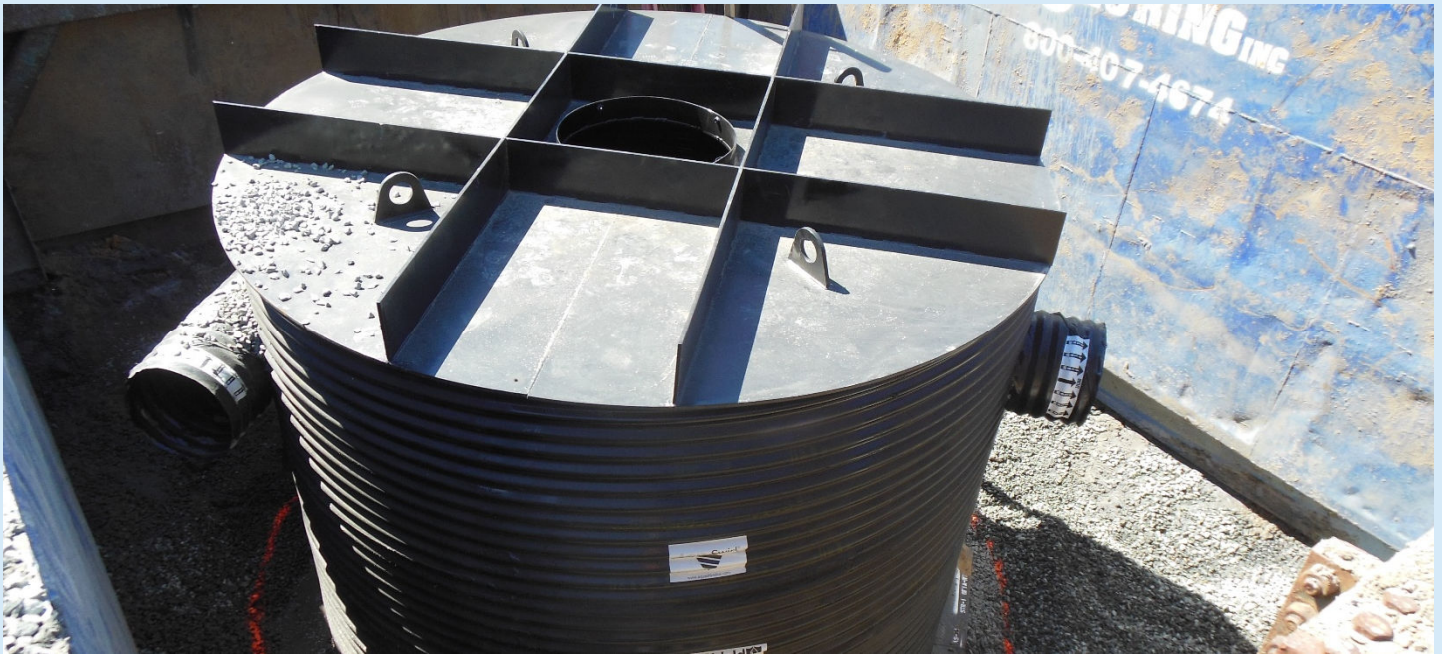




NJDOT Route 35 MP 0-4 and 4-9

Aqua-Swirl Concentrator • Multiple Locations, NJ • October, 2025

PRODUCT / SOLUTION
Aqua-Swirl® Concentrator

CONTRACTORS

MP 0-4: Union Paving & Construction Company, Inc
 MP 4-9: George Harms Construction Co., Inc.

ENGINEER OF RECORDS

MP 0-4: McCormick Taylor
 MP 4-9: The RBA Group

• THE PROBLEM

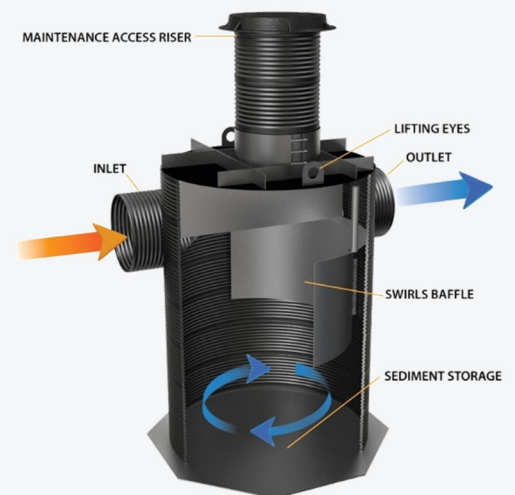
Superstorm Sandy caused vast amounts of devastation along coastal New Jersey. One of the biggest hit areas was the barrier island separating the Atlantic Ocean and Barnegat Bay, stretching from Bay Head Borough to Berkeley Township. The storm devastated entire sections of Route 35, the main artery running north and south along the barrier island.

• OUR APPROACH

As part of NJDOT's \$265 million Route 35 reconstruction several strategically determined locations were selected for hydrodynamic separators to manage high-intensity runoff events while reducing pollutant discharge to adjacent bays and nearshore waters. The Aqua-Swirl's small footprint and lightweight construction reduce excavation, installation time, and right-of-way impacts, delivering effective treatment at a lower overall project cost.

• THE OUTCOME

In total, 79 Aqua-Swirls were installed along a corridor to support long-term roadway resilience and environmental protection. Ultimately, Route 35 was restored to the primary coastal arterial connecting Point Pleasant Beach to Island Beach State Park, while implementing reliable, compliant stormwater management treatment devices in this highly sensitive coastal environment.



Aqua-Swirl® Concentrator