

PROJECT APPLICANT:
PROJECT TITLE:

Village of Westhampton Beach
Main Street Drainage Improvements

PROJECT TYPE:

Stormwater Collecting System; Pollution Prevention

SCALE:

Neighborhood/Watershed

APPROACH:

Remediation/Reduction

DESCRIPTION

As part of its Main Street Improvement Project, the Village will complete comprehensive drainage improvements between Potunk Lane and Mill Road, and between Main Street and the Moniebogue outfall. The proposed scope of work will increase capture, retention and treatment of stormwater in the tributary area, reduce the volume of stormwater discharged at the outfall, and improve quality of the discharged water entering Moniebogue Bay, a 303(d) impaired waterbody. Strategies include hydrodynamic separators, green infrastructure and other BMPs.

PROPOSED PROJECT

The Vortechs system's swirl concentrator and flow controls work together to create a low energy environment, ideal for capturing and storing fine particles and other pollutants of concern. With comprehensive lab and field testing, the system delivers proven results and site-specific solutions.

Features & Benefits

Shallow Profile

- Easy and cost-effective installation, especially on sites with high groundwater or bedrock.
- Typical invert only 3 feet below pipe

Effective Fine Solids Removal

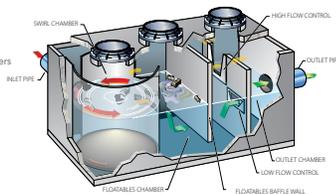
- Large swirl chamber – Enhances very fine particle removal (down to 50 microns)
- Flow controls reduce inflow velocity and increase residence time
- Largest treatment zone surface area of any swirl concentrator system available

Easy Maintenance

- Unobstructed access to stored pollutants
- Sealed swirl chamber decreases clean-out volume

Proven Performance

- Performance verified by NJ CAT and WA Ecology



Large diameter swirl chamber for enhancement of sediment removal in a low profile unit

MAP OF PROJECT LOCATION



TOTAL CPF FUNDS REQUESTED

\$1,458,383

Amended amount for FABCO inserts:

\$ 67,000

RECOMMENDED FUND AWARD

\$1,238,933