

**674 in/hr  
INFILTRATION  
RATE**

# AQUA-PONIC™



## STORMWATER BIOFILTRATION SYSTEM

- 1** Stormwater sheet flow from downspouts, parking lots or other impervious surfaces enters bioretention or concentrated point source areas.
- 2** Surrounding soils and plants hydrated by stormwater runoff sloped to the Aqua-Ponic™, if necessary.
- 3** Aqua-Ponic™ is constructed of high-performance materials to include engineered filter media that also serves as a plant stabilization bed for wide variety of native or ornamental plants.
- 4** Proven engineered filter media removes fine sediment and oil allowing plants to uptake nutrients carried by stormwater runoff using capillary wicking from self-contained water reservoir provides sustainable water and nutrient supply to plant stabilization bed.
- 5** Clean, filtered stormwater is conveyed to storm drainage system or returned to recharge groundwater. Designs can include overflow drain for bypass and flood mitigation during peak rain events.



INNOVATING GOOD CLEAN WATER

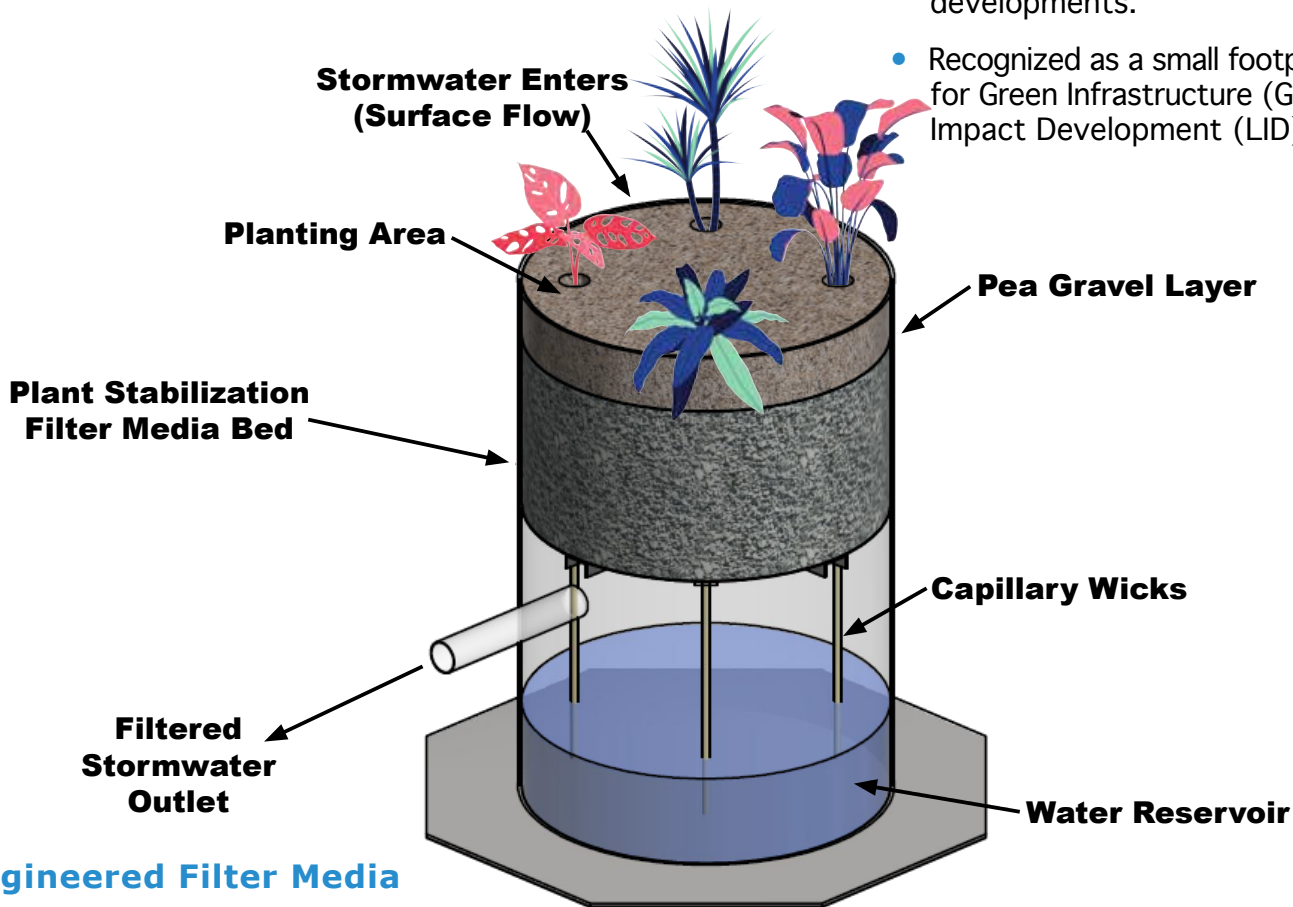
# AQUA-PONIC™

## Inspection & Maintenance

- Provides easy access for replacement filter media and plants to ensure long term system performance.
- Inspection & Maintenance Manual is available online for download.

## Installation Benefits

- Lightweight and durable polymer coated steel construction.
- Custom designed for incoming flows from any impermeable surface such as parking lots and other industrial or urban developments.
- Recognized as a small footprint design for Green Infrastructure (GI) and Low Impact Development (LID).



## Engineered Filter Media

- Industry leading maximum treatment flow rates (MTFR) up to 7.0 gpm/ft<sup>2</sup> verified by NJCAT.
- Designed to improve water quality by removing fine sediment and coarse sediment (TSS), oils (TPH), soluble and particulate metals, and nutrients.
- Ability to grow wide variety of plants.

## Aqua-Ponic™ System

- Provides integrated biofiltration system designed as a stand-alone or within any bioretention area to meet Green Infrastructure designs.
- INFILTRATION RATES up to 674 inches per hour.
- Sizes up to 13 feet in diameter can incorporate variety of native plants to enhance viewscape.
- Innovative and sustainable design utilizing capillary wicking technology.

**AquaShield™**  
WATER TREATMENT SOLUTIONS