

V2B1 Stormwater Treatment System

Partial Project List

Outback Steakhouse - TN
Bridgepoint Bus Station - MN
Connecticut DOT Project: 43-122
Oakhurst Drive - MA
North Lights Harbor - NJ
Holy Cross Hospital - MD
New York DOT Project: D259523
Rhode Island Naval Base - RI
Pelczynskiego - Poland
Admirals Gate - Canada
Sugarland Plaza - VA
Fareway Store - Iowa

Contact Information

PO Box 55
East Pembroke, New York 14056
Phone: 800-809-2801
Fax: 585-762-8315
www.ENV21.com
envngr@env21.com



- Two manhole configuration
- Swirl separation Technology
- Locally manufactured
- Field Tested and Proven

The V2B1 Stormwater Treatment System provides primary treatment of stormwater using locally available precast manholes and pipe. The tangential inlet pipe provides optimum swirl distribution for sedimentation separation.

Un-treated surface water travels through the center pipe to the second chamber where the floatable debris and hydrocarbons are trapped via a precast baffle wall with site specific flow openings located below the water surface elevation.

The V2B1 Stormwater Treatment System is sized to help achieve the EPA goal of 80% TSS and 40% Phosphorus removal efficiency.

In addition to a standard online system the V2B1 can also be configured with an internal high flow bypass that either can completely bypass the swirl and floatables chamber or bypass the swirl chamber also. Allowing the design engineer to decrease the size of the system required for the project, there by decreasing construction cost.

All V2B1 Stormwater Treatment Systems are manufactured locally to the project site by approved manufacturers with a proven record of quality in the precast concrete market. Our approved manufacturers carry the highest of quality control standards...NPCA Certification and state DOT approved manufacturers.



Service Features and Maintenance



Every Environment 21 system is designed site specific providing for optimal performance for your project. With every system design you will receive a Site Layout, Design Storm Hydrology, Water Quality Hydrology, back Water Analysis, and System Specific drawing. In addition we provide you with an estimated pump out and inspection interval specific to your site and system. The shallow sump of the V2B1 allows you to use standard vacuum trucks for maintenance. Most Vacuum Trucks only have a max pull of 13 feet. The unique design of the V2B1 utilizing vertical inserts with 2 access openings per chamber allows for clear access to all area of the chamber for inspection and maintenance.

Through continuous field and laboratory testing, combined with ongoing realistic Case Studies we are able to give you the confidence that you are meeting your local and national EPA Stormwater Management Requirements to the best of your ability. With such high profile projects like Van Cortland Park, NYC why should you be use a Stormwater Treatment System with all of your concerns and project needs met. Environment 21 engineers work directly with you to reduce treatment system cost while still providing the maximum treatment efficiency.

System Sizing

| Model | Impervious Area | Max. Inlet Pipe | Peak Flow |
|-------|------------------|-----------------|-----------|
| 3 | 0.3 - 1.3 acres | 12" | 4 cfs |
| 4 | 1.3 - 2.0 acres | 15" | 6 cfs |
| 6 | 2.0 - 3.0 acres | 18" | 7 cfs |
| 9 | 3.0 - 4.0 acres | 21" | 9 cfs |
| 11 | 4.0 - 5.3 acres | 24" | 16 cfs |
| 17 | 5.3 - 8.3 acres | 30" | 25 cfs |
| 25 | 8.3 - 11.7 acres | 36" | 35 cfs |

SERVICES AVAILABLE

- Technical Support
- Preliminary Designs
- Installation and Setup
- Maintenance
- Application Support

More Installations

Center Elementary –CT
 Czestochowa - Poland
 Fiske Pond & Loyd Harbor – NY
 Heritage Street – MN
 East Avenue – NH
 Cheyenne Estates –WI
 Illinois Route 20 – IL
 Boardwalk Place –CT
 Gregory Lane – WY
 Crown Sweet Condos – PA
 Grand Bend Health - Canada
 Hatfield Drainage – MA

For a complete list of installations
 Please feel free to contact our
 Corporate Headquarters .

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24 Hour Preliminary Designs

Using our user friendly online Sizing Request Form we can complete a preliminary design and have it waiting in your inbox within 24 hours. No need to register, no annoying salesmen calling on you. In addition our expert sales & engineering staff can assist you with any regulatory approval.

