

# UniStorm Stormwater Treatment System

## Partial Project List

Indiana State University  
Binghamton University – NY  
New Century – Kansas  
Chrysler Plant – Ontario, Canada  
Jewett Elementary School - OR  
Tropical Mexico Rest. - CA  
Taco Bell - Ohio  
CSK Auto - Arizona  
Sams Club - Ohio  
Rogue Valley Avenue A – Oregon  
Jericho Road, Hatfield – MA  
Rock Ridge Country Club – CT  
Mahopac Firehouse - NY

## Contact Information

PO Box 55  
East Pembroke, New York 14056  
Phone: 800-809-2801  
Fax: 585-815-4701  
[www.ENV21.com](http://www.ENV21.com)  
[envngr@env21.com](mailto:envngr@env21.com)



- **Single Structure configuration**
- **Sedimentation Science – Stokes Law**
- **Locally manufactured**
- **Field Tested and Proven**

The UniStorm Stormwater Treatment System provides primary treatment of stormwater using locally available precast manholes (UniStorm-R) and vaults (UniStorm-V). The UniStorm employs low head-loss, internal flow diffuser and flow distributors to reduce stormwater turbulence and improve flow distribution. This allows on-line operation there by reducing pollutant bypass during high intensity rainfall events.

The UniStorm Stormwater Treatment Systems are sized to help meet the EPA goal of 80% TSS and 40% phosphorus. The shallow sump depths of 4 feet to 6 feet thereby reducing excavation cost and facilitates pump out during maintenance.

In addition the UniStorm can be designed for flow control at the outlet of detention.

In addition to a standard online system the UniStorm can also be configured with an internal high flow bypass or can be designed offline by utilizing junction structures. Allowing the design engineer to decrease the size of the system required for the project, there by decreasing construction cost. All UniStorm 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 unique design of the UniStorm utilizing vertical inserts with multiple 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 Jewett Elementary School in Central Point, Oregon why shouldn't you be using 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
5R	0.0 -3.0 acres	15"	6 cfs
6R	3.0 - 4.0 acres	18"	7 cfs
7R	4.0 – 6.0 acres	21"	9 cfs
8R	6.0 – 10.0 acres	24"	16 cfs
10R	10.0 – 12.0 acres	30"	25 cfs
12R	12.0 – 15.0 acres	36"	35 cfs
48V	0.0 – 2.0 acres	15"	4 cfs
510V	2.0 - 4.0 acres	18"	6 cfs
612V	4.0 – 5.0 acres	24"	10 cfs
1020V	5.0 – 12.0 acres	36"	25 cfs

### SERVICES AVAILABLE

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

## 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.

### More Installations

East Town Road, Milford –CT

Lakeshore High School - NY

Fulton Drive - Ohio

Family House – North Carolina

Hartford Life – CT

Dunda Street - Ontario, Canada

Lake Forest North Sub. – NY

For a complete list of installations

Please feel free to contact our

Corporate Headquarters .

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