

SmartDitch™

A Unique Stormwater Solution

Penda Corporation announces the SmartDitch™ System, a flexible HDPE channel with specially-engineered fittings designed to broaden the range of use in water flow control applications such as drainage, erosion and sediment control, land development, irrigation, industrial site containment systems and temporary flow diversions.

The SmartDitch System is a unique, reliable, high performance solution for capturing, controlling and directing the flow of water. Unlike the more traditional methods such as dumped rip rap, earthen or concrete ditches and pipe, SmartDitch UV resistant channels and fittings do not deteriorate over time, are less costly to install, 100% recyclable, and offer significantly lower maintenance costs. It's lightweight, yet rugged construction is ideal for drainage projects with difficult access, uneven terrain and steep slopes. The 12" and 24" deep corrugated channel along with the fittings provide the design flexibility needed for both large- and small- scale projects.

The new, durable, corrosion resistant fittings for the SmartDitch Trapezoidal and Semi-Circular channel include; a flared-end inlet/outlet, transitional sections, a straight bulkhead (available with or without openings for water dispersal), right/left bulkheads (available with or without openings for water dispersal), multi-directional T's and directional gates.



Flared End Section

Multi-directional Tee



24" semi-circular

Slope	12" Trapezoid					
	SmartDitch CFS	SmartDitch Flow Area ft ²	SmartDitch Bottom Width ft	RipRap CFS	Equivalent Riprap Flow Area ft ²	Equivalent Riprap Bottom Width ft
1%	8.87	2.02	0.67	2.6	5.27	3.56
2%	12.54	2.02	0.67	3.68	5.27	3.56
4%	17.74	2.02	0.67	5.2	5.27	3.56
6%	21.72	2.02	0.67	6.37	5.27	3.56
8%	25.08	2.02	0.67	7.36	5.27	3.56
10%	28.04	2.02	0.67	8.23	5.27	3.56
15%	34.34	2.02	0.67	10.07	5.27	3.56
20%	39.66	2.02	0.67	11.63	5.27	3.56
25%	44.34	2.02	0.67	13.01	5.27	3.56

Flow Comparison: SmartDitch vs. Riprap

Did you know?

Did you know that ASP and Quick Supply have 5 CPESCs on staff? What is a CPESC? It stands for "Certified Professional in Erosion and Sediment Control". It means that we have certified technical sales people ready to help you with any erosion issue!!! They are Ed, and Guy in Fenton, John in KC, Brian in Omaha and Don can help in Des Moines. Just give them a call!!



Your Geosource Distributor

AND



12" Trapezoidal Channel



The joining of two sections

The Logo Corner:

Here is just a few of the Manufacturers we know and trust:



Dependable. Smart. Naturally.



A Tensar Company



materials that make a difference

