

# J-DRain<sup>®</sup> SWD

## Playground Drainage



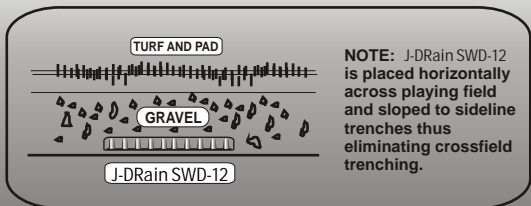
**DEPENDABLE, COST EFFECTIVE DRAINAGE:**  
ELIMINATES ALL TRENCHES UNDER PLAYGROUND AND PROVIDES  
RAPID DRAINAGE, SAVING CONSTRUCTION TIME AND MONEY.



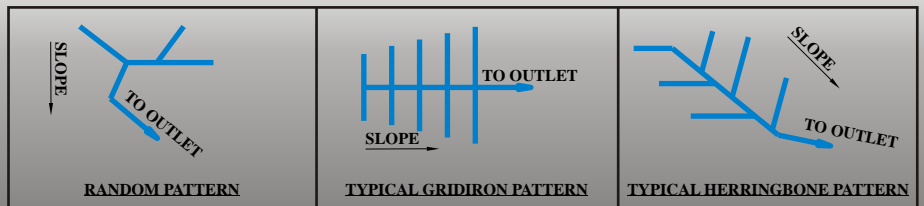
J-DRain SWD is a modular composite drainage and collection system consisting of a 3-dimensional, high-flow, drainage core which is wrapped with a non-woven filter fabric. It is designed to replace a conventional sand or gravel covered pipe and french drains. Soil particles are held back by the filter fabric allowing water to pass through to the drain core for easy removal. Available in 6 inch and 12 inch widths. J-Tape .



### TYPICAL J-DRain SWD CROSSSECTION



### TYPICAL J-DRain SWD DRAINAGE LAYOUTS



### Physical Properties

#### Core

Compressive Strength (ASTMD-1621)	8,500-11,000 psf	(407-527 kN/m <sup>2</sup> )
Thickness (ASTM-1777)	1 In.	(2.54 cm.)
In-Plane Flow (ASTMD-4716)	30 gpm/ft width	(372 lpm/m)
(Q&518 psf & Hydraulic gradient = .1)		

#### Roll

Roll Weight:	38 or 68 lbs.	(17 or 30.5 kgs.)
Roll Width:	6" or 12"	(15 or 30 cm.)
Roll Length:	165 ft.	(50.29 meters)

#### Fabric

Flow (ASTM D-4491)	140 gpm/ft <sup>2</sup>	(5698 lpm/m <sup>2</sup> )
Puncture (ASTM D-4833)	65 lbs.	(.30 kN)
AOS (ASTM D-4751)	70 U.S. Sieve	(.212 mm)
Grab Tensile (ASTM D-4632)	100 lbs.	(.45 kN)
Mullen Burst (ASTM D-3786)	210 PSI	(1447 KpA)
U.V. Resistance (ASTM D-4355)	70% @500 hrs.	

The information contained herein is believed by JDR Enterprises, Inc. to be accurate and is offered solely for the customer's consideration, investigation and verification. Determination of suitability for use is the responsibility of the user.

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