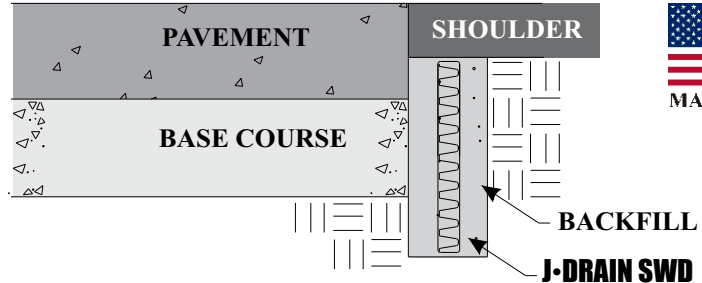
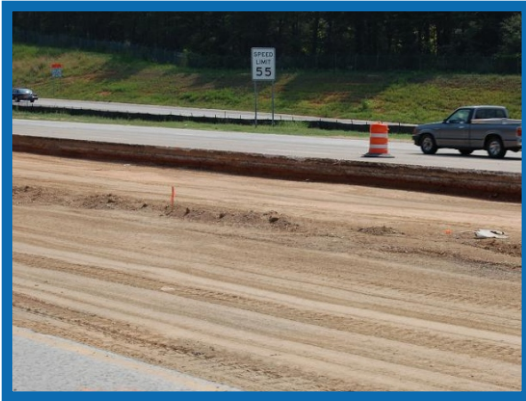




J·DRAIN[®]

Prefabricated Drainage Composites

Highway Edge Drains



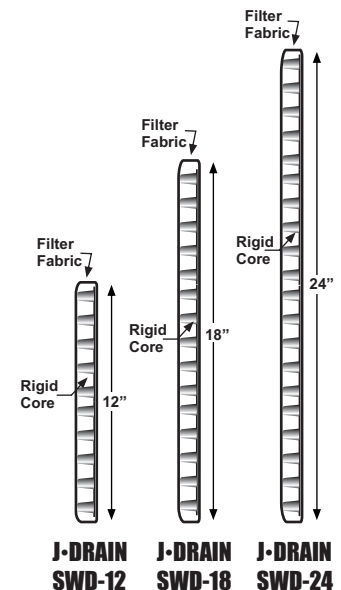
TYPICAL HIGHWAY EDGE DRAIN DETAIL

J·DRAIN SWD-12, 18, 24, & 36

Also available with AASHTO approved D.O.T. fabric upon request.

Product Description

J·DRAIN SWD is a composite drainage system consisting of a 3-dimensional, high flow, drainage core and a non-woven, needle-punched filter fabric. The filter fabric is wrapped and bonded to the drainage core, preventing intrusion of the filter fabric into the flow channels during the backfilling process. Soil particles are held back by the filter fabric allowing water to pass through to the drainage core to be collected and conveyed to the discharge point.



Physical Properties

Core

Compressive Strength (ASTM D-1621)	9,500 psf	(455 kN/m ²)
Thickness (ASTM-1777)	1 in.	(2.54 cm.)
In-Plane Flow (ASTM D-4716)	30 gpm/ft width	(372 lpm/m)
(Q&518 psf & Hydraulic gradient = .1)		

Roll	Roll Weight:	38, 68, 83, 98, & 128 lbs.	(17, 30, 37, 44, & 57 kgs.)
	Roll Width:	6", 12", 18", 24", & 36"	(15, 30, 38, 45, & 60 cm.)
	Roll Length:	165 ft.	(50.29 meters)

Fabric

Flow (ASTM D-4491)	140 gpm/ft ²	(5698 lpm/m ²)
CBR Puncture (ASTM D-6241)	250 lbs.	(1.11 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.	

MADE IN USA

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. JDR's Limitations, Limited Warranty, & Disclaimer along with Standard Terms & Conditions apply. See www.j-drain.com for more info. **Limitations:** J·DRAIN is resistant to chemicals in normal soil environments. However, some reagents may affect the performance of J·DRAIN. A JDR representative should be contacted for further information to determine the suitability of use of J·DRAIN in unusual soil environments. J·DRAIN should be limited to its exposure to ultra-violet sunlight. J·DRAIN should be backfilled or covered within seven days of installation. **Disclaimer:** All information, drawings and specifications are based on the latest published information at the time of printing. JDR reserves the right to make changes due to manufacturing improvements and engineering at any time. All physical properties are minimum average roll values (MARV). Standard variations of 10% in mechanical properties and 15% in hydraulic properties are normal.

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