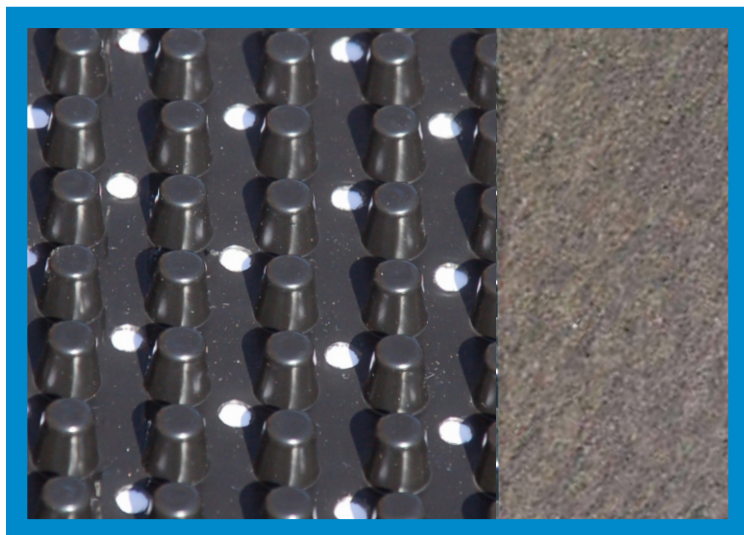


# J-DRain<sup>®</sup> 500

Prefabricated Drainage Composites



## APPLICATIONS:

TRENCH DRAINS

INTERCEPTOR DRAINS

LANDFILL ENCLOSURES

SLOPED EMBANKMENTS

## J-DRain<sup>®</sup> 500 Series

### Product Description:

**J-DRain 500** consists of a punched polymeric sheet cusped under heat and pressure to form a high flow dimpled drainage core. The core is punched to allow double sided drainage, then bonded to a layer of nonwoven filter fabric on each side of the core. The filter fabric retains soil or sand particles as well as freshly placed concrete or grout, allowing filtered water to pass into the drainage core. Collected water is then conveyed to **J-DRain SWD-6** or **SWD 12** collection systems.

### Usage:

**J-DRain 500** maintains a very high flow rate while providing a higher compressive strength for greater depths. It is designed for use where double sided drainage is needed. Ideal for trench drains, interceptor drains, sloped embankments, and landfill enclosures.

[info@j-drain.com](mailto:info@j-drain.com)

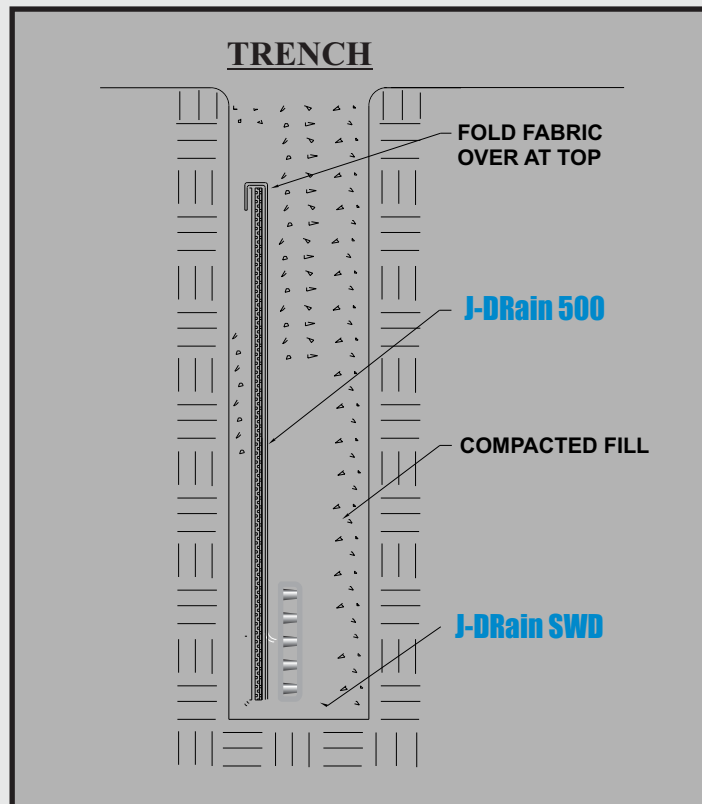
[www.j-drain.com](http://www.j-drain.com)

**JDR Enterprises, Inc.**

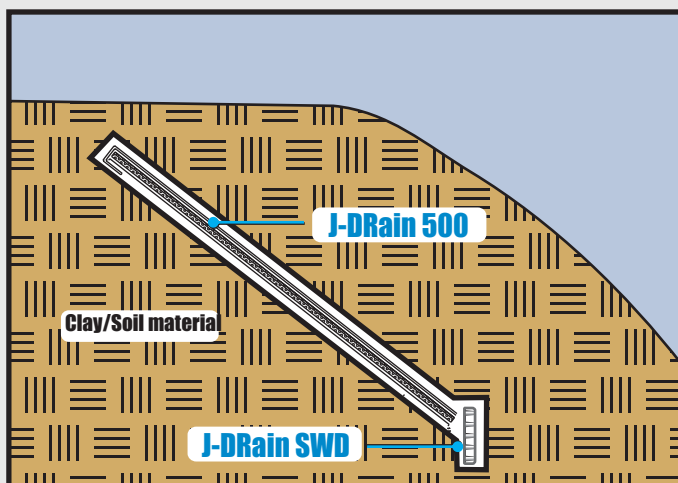
292 S. Main St., Suite 200 Alpharetta, GA 30009  
(800) 843-7569 (770) 442-1461 Fax: (770) 664-7951

# J-DRain<sup>®</sup> 500

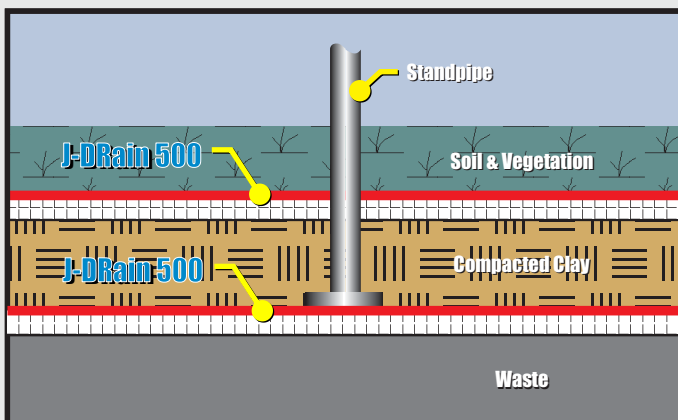
Prefabricated Drainage Composites



**APPLICATIONS: Trench / Interceptor Drain**



**APPLICATIONS: Sloped Embankment**



**APPLICATIONS: Typical Landfill Cap**

## Physical Properties

### Core

Compressive Strength (ASTM D-1621)	15,000 psf (719 kNm <sup>2</sup> )
Thickness (ASTM D-1777)	.40 in. (10.16 mm)
Flow (Hydraulic gradient =1) (ASTM D-4716)	21 g/min/ft (260 L/min/m)

Roll Length	Roll Width	Roll Weight
50 ft (15.24 m)	4 ft (1.22 m)	50 lbs.

### Fabric

Flow (ASTM D-4491)	140 gal/min/ft <sup>2</sup> (5704 L/min/m <sup>2</sup> )
CBR Puncture (ASTM D-6241)	250 lbs. (1.11 kN)
AOS (EOS) (ASTM D-4751)	70 U.S. Sieve (.212 mm)
Grab Tensile (ASTM D-4632)	100 lbs. (.45 kN)
Grab Elongation (ASTM D-4632)	60 %

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](http://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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