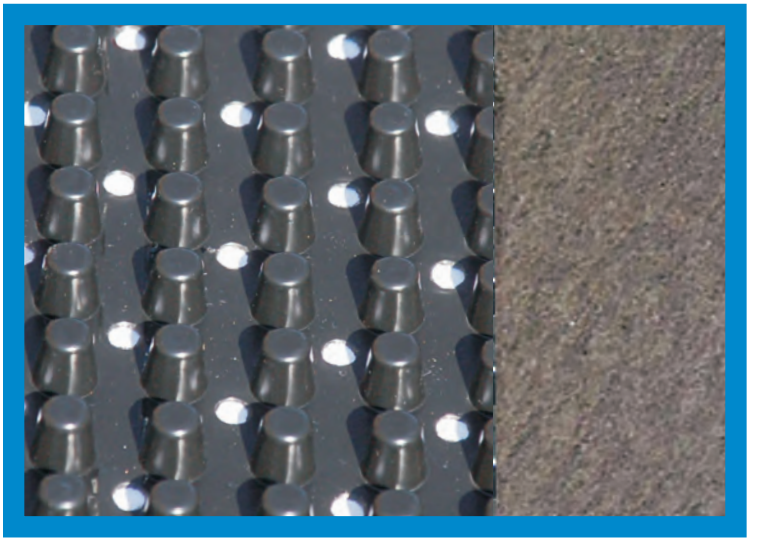
StrataDrain

Prefabricated Drainage Composites



APPLICATIONS:

TRENCH DRAINS

INTERCEPTOR DRAINS

LANDFILL ENCLOSURES

SLOPED EMBANKMENTS

StrataDrain 500 Series

Product Description:

StrataDrain 500 consists of a punched polymeric sheet cuspated 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 a collection system.

Usage:

StrataDrain 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.

STRATA
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StrataDrain 500

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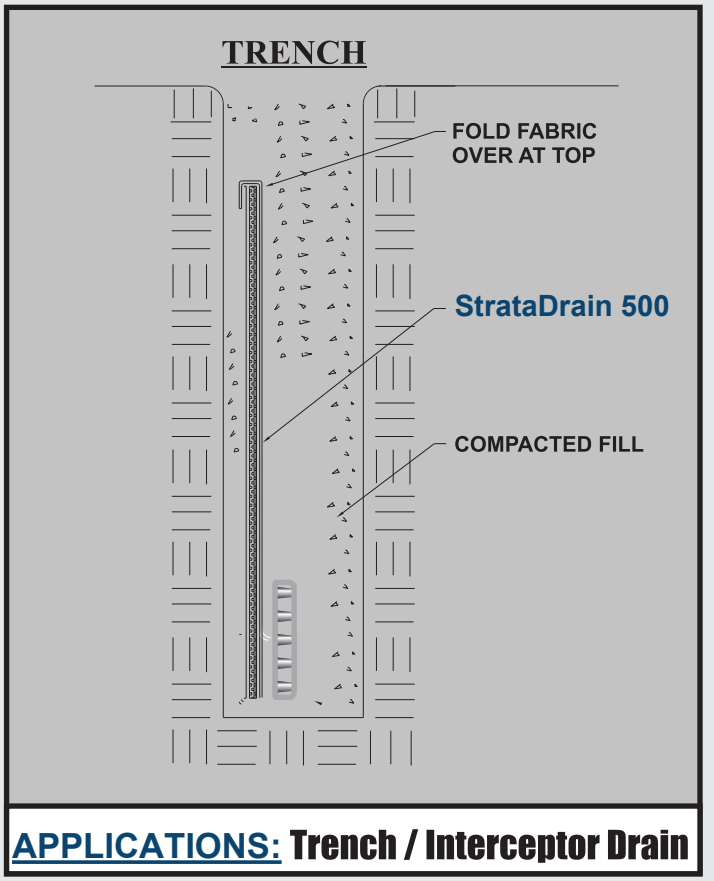
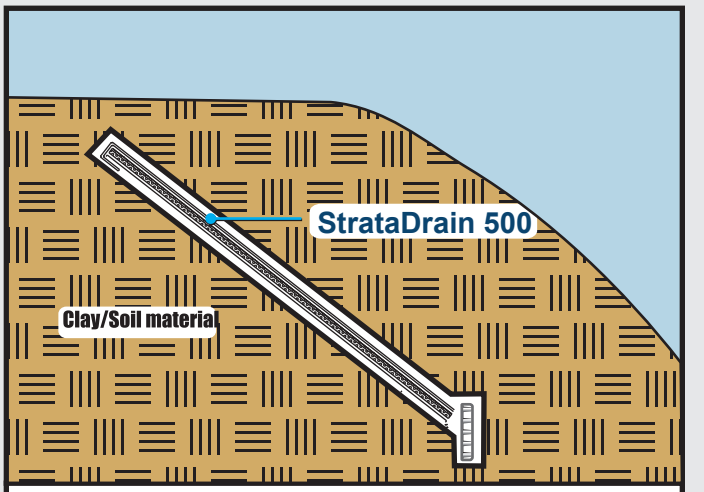
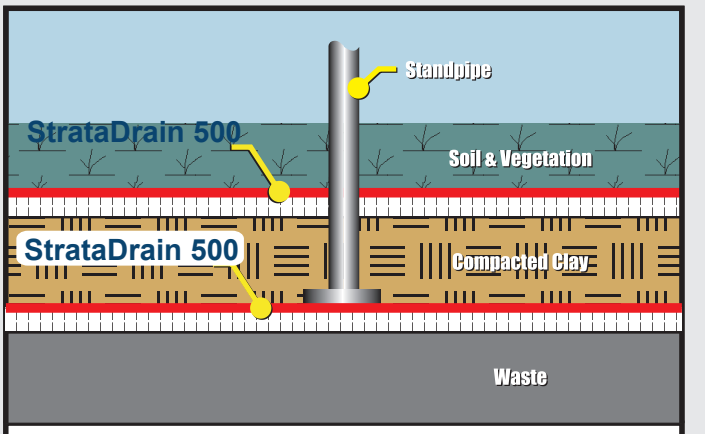


APPLICATIONS: Trench / Interceptor Drain



APPLICATIONS: Sloped Embankment



APPLICATIONS: Typical Landfill Cap

Physical Properties

Core

Compressive Strength (ASTM D-1621)	15,000 psf (719 kNm^2)
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)	39 lbs.

Fabric

Flow (ASTM D-4491)	140 gal/min/ft^2 (5704 L/min/m^2)
Puncture (ASTM D-4833)	65 lbs. (.30 kN)
AOS (EOS)	70 U.S. Sieve (.212 mm)
Grab Tensile (ASTM D-4632)	100 lbs. (.45 kN)

The information contained herein is believed by Strata Systems, Inc. to be accurate and is offered solely for the customers consideration, investigation and verification. Determination of suitability for use is the responsibility of the user.

Be sure to visit our website at www.geogrid.com

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