

GEPS[®]

GROUNDWATER ENERGY PASSIVE SYSTEM



REVOLUTIONIZE YOUR STORMWATER MANAGEMENT WITH GEPS[®]

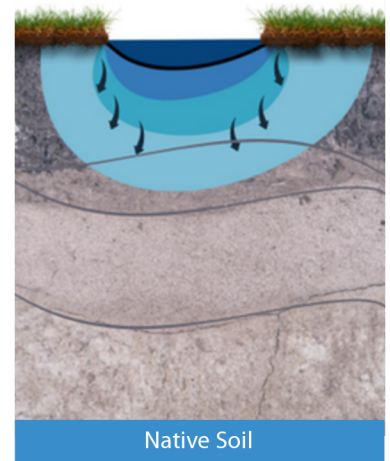
Developed to solve tough stormwater challenges at the source rather than moving the problem downstream, GEPS is transforming stormwater management with a strategy that focuses on enhancing the in situ soils by increasing natural infiltration and water holding capacity.

WHAT IS GEPS?

GEPS offers a revolutionary approach to stormwater management by leveraging the natural properties of the soil to facilitate stormwater infiltration and storage. Using a series of impeller shaped rods that vary from 5 feet to 40 feet long drilled into the soil and capped two feet below the surface, GEPS acts as an artificial root system and offers minimal impact to the site when installed. Additionally, to de-compact the topsoil layer and permanently connect water at the surface to the GEPS system below, a BSTR device is drilled into top two feet of soil.

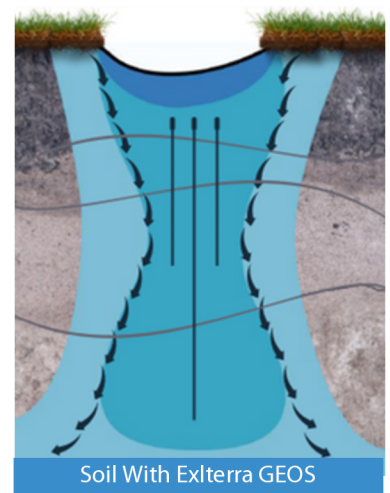
WHY CHOOSE GEPS?

GEPS is a series of energy-passive pumps that that, when drilled into any type of soil, become active. The expansion and contraction of the soil activate GEPS, pulling and pushing water through the soil matrix so that water is distributed equally throughout. Their elongated structure, up to 40 feet long, punctures the various soil layers, breaking the hydrostatic pressure inherent in those layers. This prevents water build-up between layers and facilitates faster infiltration rates. This, along with the pumping action of GEPS, distributes water throughout the soil matrix uniformly and works indefinitely with no maintenance.

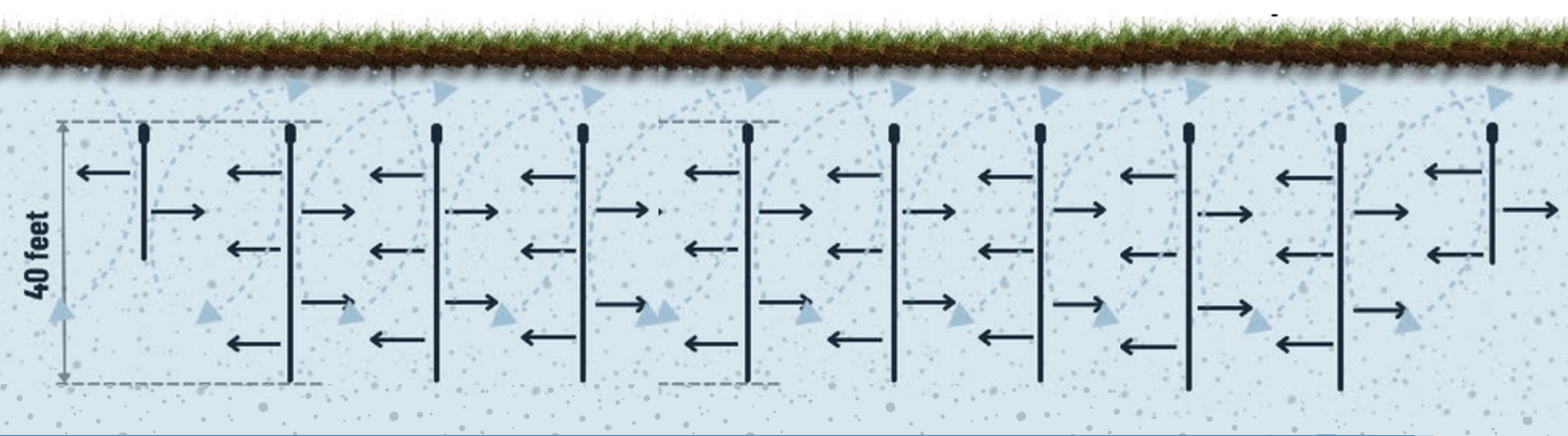


Native Soil

- Standing Water
- Saturated Soil
- Damp Soil
- Soil Layers



Soil With Exterra GEOS



APPLICATIONS FOR GEPS®



ENHANCING GREEN INFRASTRUCTURE

Imagine getting more from your Green Infrastructure without expanding the surface area. With GEPS, you can increase your existing infiltration rate by up to 10 times while storing more water in the in-situ soils below your stormwater control measure getting more for your investment.



IMPROVING STORMWATER PONDS

Whether looking to get more out of a surface detention pond or maximize an underground detention systems volume, GEPS unique way of pulling water into the strata of underlying soils quadruples the volume for a half the price by volume of traditional stormwater detention systems..



ELIMINATING PONDING WATER

If you have nuisance water that simply wont drain, GEPS offers a non-intrusive method to solve ponding water issues. Whether it's a stormwater control measure that's lost its ability to infiltrate or a low spot that's settled, GEPS can restore and improve long term infiltration rates with minimal site disturbance.



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Convergent has decades of experience in developing and delivering problem solving stormwater innovations. Convergent believes that adopting new ideas quickly, and integrating the process of innovation into stormwater regulation, product development and distribution is the only answer to our looming water crisis.

CONTACT SALES

13100 Wortham Center Dr. Third Floor, Suite 3134
Houston, TX 77065
P: 800.711.5428
E: info@convergentwater.com