



## **Pervious Paving System**

Elachee installed an innovative pervious paving system at the Lake Trail head/Overflow Parking lot at the Visitor Center to slow storm water runoff, reduce erosion and filter pollutants for this area heavily used by hikers, school buses and families that visit during special events.

This hilltop parking lot was in need of paving to diminish the dust in the summer and the mud when it rains. But Elachee did not want another paved area that would allow sheets of rainwater to run down the hill causing erosion.

Instead, after careful research, Elachee decided to cover the parking lot with a pervious surface that would allow water to percolate through it, but would also provide a sturdy surface to drive on.

The parking lot was first leveled, then a black filter fabric was put down. Above that, a 6-inch deep matrix, manufactured by GeoWeb, was installed. The matrix, which looks like honeycomb, was then filled with gravel. Now rainwater slowly filters through the gravel to collect into a rain garden in the back of this lot.

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