

**AN ENGINEERED SOIL COMPOSITION AND A METHOD OF PREPARING
THE SAME**

ABSTRACT

There is provided an engineered soil composition comprising a natural occurring soil component in an amount ranging from 30 wt% to 60 wt% of the total dry weight of the composition; a sand component in an amount ranging from 25 wt% to 55 wt% of the total dry weight of the composition; and a waste component in an amount of more than 0 wt% and no more than 15 wt% of the total dry weight of the composition, wherein a total amount of clay and silt derived from the natural occurring soil component is in an amount of more than 0 wt% and no more than 15 wt% of the total dry weight of the composition. There are also provided a method of preparing the engineered soil composition and a water treatment system for simultaneously supporting plant growth and filtering stormwater. The system comprises the engineered soil composition.

FIG. 1A