

Design Values for Curlex® Sediment Logs® and AEC Premier Straw® Wattles

| Product Name/<br>Nominal Diameter | Channel Design                             |                      |                                    | Slope Design                        |                 |
|-----------------------------------|--|----------------------|------------------------------------|-------------------------------------|-----------------|
|                                   | Density <sup>a</sup> (lb/ft <sup>3</sup> ) | GPM/ft <sup>2b</sup> | GPM/linear ft of installed product | P Factor <sup>c</sup> (event-based) | % Soil Retained |
| 6 in Curlex Sediment Log          | 2.4  | 42.5                 | 19.5                               | 0.461                               | 53.9            |
| 9 in AEC Premier Straw Wattle     | 4.5  | 7.5                  | 5.6                                | 0.676                               | 32.4            |
| 9 in Curlex Sediment Log          | 2.3  | 42.5                 | 29.0                               | 0.461                               | 53.9            |
| 12 in AEC Premier Straw Wattle    | 3.8  | 8.0                  | 8.0                                | 0.828                               | 17.2            |
| 12 in Curlex Sediment Log         | 2.5  | 40.0                 | 36.7                               | 0.297                               | 70.3            |
| 20 in AEC Premier Straw Wattle    | 2.8  | <sup>d</sup>         |                                    | 0.789                               | 21.1            |
| 20 in Curlex Sediment Log         | 1.4  | 37.5                 | 46.9                               | 0.297                               | 70.3            |

<sup>a</sup> Weight and density are based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior, AEC Premier Straw, and AEC Premier Coconut fibers are 22%, 15%, and 20%, respectively.

<sup>b</sup> Based on ASTM D5141.

<sup>c</sup> Based on large-scale simulated rainfall testing.

<sup>d</sup> Testing in progress.