

(August 7, 2006)

Geosynthetic Properties For Temporary Geosynthetic Retaining Walls

Wide strip geosynthetic strengths provided in Table 10 are minimum average roll values. The average test results for any sampled roll in a lot shall meet or exceed the values shown in the table. These wide strip strength requirements apply only in the geosynthetic direction perpendicular to the wall face. The test procedures specified in the table are in conformance with the most recently approved ASTM geosynthetic test procedures, except for geosynthetic sampling and specimen conditioning, which are in accordance with WSDOT Test Methods 914 and 915, respectively.

Table 10: Wide strip tensile strength required for the geosynthetic reinforcement used in geosynthetic retaining walls.

| Wall Location | Vertical Spacing of Reinforcement Layers | Reinforcement Layer Distance from Top of Wall | Minimum Tensile Strength Based on ASTM D4595 for Geotextiles and ASTM D6637 for Geogrids |
|------------------|---|--|--|
| ***\$1\$*** | ***\$2\$*** | ***\$3\$*** | ***\$4\$*** |