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## Section 207. – EARTHWORK GEOSYNTHETICS

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| Use on projects with geotextile or geogrid applications (some examples include MSE walls, reinforced soil slopes, and deep patch). |

**Construction Requirements**

**207.05** Delete this Subsection and substitute the following:

**207.05 Geotextile and Geogrid Reinforcement Applications.** For MSE retaining walls and reinforced soil slopes, place reinforcement geosynthetics according to Section 255 or 261, as applicable. For deep patch and other reinforcement applications, perform the work as follows:

**(a) Surface preparation.** Perform subexcavation according to Section 204. Provide a smooth, flat, and firm foundation for the geosynthetic.

**(b) Geosynthetic placement.** Place the reinforcement geosynthetic with the higher strength direction oriented perpendicular to the road centerline or slope face, as shown in the plans. Place the geosynthetic smooth, taut, and wrinkle free on the underlying surface. Conform to curves. Overlap 24 inches (600 millimeters) for biaxial geosynthetics in the direction of construction. For uniaxial geogrids, do not splice in the high strength direction, and abut adjacent sheets of geogrids. Hold the geosynthetic in place with pins, staples, or piles of cover material.

**(c) Backfilling.** Place the specified material onto the geosynthetic from the edge of the geosynthetic or from previously placed cover material. Do not operate equipment directly on the geosynthetic. Spread the material maintaining a minimum 6-inch (150 millimeter) lift over the geosynthetic before operating equipment over the geosynthetic. Avoid sudden stops, starts, or turns of the construction equipment. Fill ruts from the construction equipment with additional cover material. Do not blade material down to remove ruts. If rutting exceeds 3 inches (75 millimeters) during placement, decrease the construction equipment size, decrease the equipment weight, or increase the first lift thickness as directed.

Compact according to Subsection 204.11. Do not use sheepsfoot or studded compaction equipment. Compact from the face of slope or wall towards the back of reinforcement.

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| Use only when paying separately for geosynthetics. |

**Measurement**

**207.09** Delete the second sentence.