

## SECTION 858—GEOCELL CONFINEMENT SYSTEM

**858.1 DESCRIPTION**—This work is furnishing, placement, and maintenance of a geocell confinement system for slope erosion protection.

**858.2 MATERIAL**—Use geocell as specified in [Section 737](#)

- (a) **Stakes.** Conforming to manufacturer's recommendations and as indicated.
- (b) **Fasteners.** Heavy-duty 9.5 mm (3/8-inch) steel wire staples clinched on the reverse side or No. 1 hog rings.
- (c) **Backfill.**
  - 1. **Topsoil.** [Section 802](#)
  - 2. **Coarse Aggregate.** [Section 703.2](#). AASHTO No. 67 or No. 2A, as indicated.
- (d) **Seeding and Soil Supplement.** [Section 804.2](#)
- (e) **Mulching.** [Section 805.2](#)
- (f) **Geotextile, Class 2, Type B, Non-Woven.** [Section 735](#)

**858.3 CONSTRUCTION**—Construct as indicated and as follows:

- (a) **Geotextile.** Place geotextile as specified in [Section 212.3\(a\)](#) and [\(c\)](#).
- (b) **Geocell Confinement System.** Store and transport geocell confinement sections in an unexpanded configuration until ready to install. Place and expand the geocell sections on the geotextile with the longer dimension up and down (parallel with the slope direction) the side slope. Place geocell section flush or slightly lower than the adjacent terrain or final grade. Anchor as indicated. Mechanically fasten adjacent sections using wire staples or hog rings as shown on the shop drawings. Align abutting external cells at contact points and keep top edges flush before fastening. Place backfill material flush with the top of cells, as indicated. Do not operate equipment on finished subgrade, geotextile, unfilled geocell sections, or uncompacted backfill, except compaction equipment.
- (c) **Seeding and Mulching.** As indicated and as follows:
  - 1. **Seeding and Soil Supplements.** [Section 804.3](#)
  - 2. **Mulching.** [Section 805.3](#).
- (d) **Maintenance.** Properly maintain slope erosion protection systems until the entire project has been completed. Maintenance includes regrading of washed-out areas and replacing fill material, reseeding, and mulching, as directed as specified in [Section 105.13](#).

**858.4 MEASUREMENT AND PAYMENT**—

- (a) **Geocell Confinement System.** Square Meter (Square Yard)  
The unit price includes backfill as indicated.
- (b) **Seeding and Soil Supplements.** [Section 804.4\(a\)](#)

858.4(c)

858.4(d)

(c) **Mulching.** [Section 805.4](#)

(d) **Geotextile.** Class 2, Type B, non-woven, [Section 212.4 \(b\)](#).