

Anchoring the GEOTERRA™ System

Stakes: May be used for some light-weight applications or small platforms to anchor the assembled GEOTERRA system from shifting due to torsional surface loading.

Earth Anchors: May be recommended to stabilize the GEOTERRA system for very large platform installations to control surface deformations.

The Earth Anchor system is installed after the GEOTERRA Mat System is fully assembled (Reference **Error! Reference source not found.**). The process is as follows

1. Engage the Drive Rod with the Anchor Head.
2. Holding the Drive Rod and Cable together, place the Anchor Head in one of the openings in the bottom of the GEOTERRA units.
Reference Figure 1: Installing the Earth Anchor.
3. Using a sledge hammer, drive the Anchor Head through the drainage / geosynthetic layer system into the soil to the length of the cable or until resistance is reached. Reference Figure 2 Driving the Anchor Head.
4. Remove the Drive Rod.
5. Position the Washer in the bottom of the GEOTERRA cell.
6. Attach the hook of the Earth Anchor Set Tool to the tensioning loop on the end on the cable.
7. Hold the handle and lift vertically to set the Earth Anchor. Reference Figure 3 Setting the Earth Anchor.



Figure 1: Installing the Earth Anchor



Figure 2 Driving the Anchor Head



Figure 3 Setting the Earth Anchor

8. With the Washer positioned in the bottom of the cell, place the Cable Stop on top of the washer.
9. Crimp the Cable Stop with the Crimp-Cut Tool securing it to the Cable. Reference Figure 4 Crimping the Cable Stop
10. Remove extra cable above the Cable Stop using the Crimp-Cut Tool. Reference Figure 5 Removing Extra Cable



Figure 4 Crimping the Cable Stop



Figure 5 Removing Extra Cable