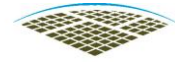


GEORUNNER®

SURFACE PROTECTION SYSTEM

INSTALLATION GUIDELINE





NOTE: The following installation techniques and recommendations may require an evaluation by Presto Geosystems to determine the applicability of use for individual project requirements.

Base Preparation

1. The GeoRunner units can be installed directly over the soil, turf, or sod. If needed, level and compact the base suitable for the intended loads.
2. Correct elevation and contour of the base layer is important because the flexible GeoRunner units will follow the base elevation and contours.
3. The top elevation of the GeoRunner should be level to slightly below any adjoining surfaces, such as curbing, sidewalks or roadways.

Installation of GeoRunner® Panels

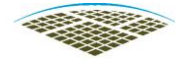
1. GeoRunner panels shall be placed down so that the flat surface of the 2 in x 24 in center band is facing up. The bottom side of the GeoRunner panel has four, ¼ inch diameter x ¼ inch long molded-in locator buttons on one end.
2. The GeoRunner panels are easily laid down and connected in a running row and/or column pattern. Refer to Figure 1.
3. Lay the GeoRunner pattern you desire. Be sure that all Interlocking GeoRunner units line up correctly (right side up).
4. Snap the GeoRunner 2-foot ends together to engage the locator buttons.
5. Insert three rivets in the hole locations to secure the panels. Refer to Figure 2.
6. The panels can be installed in-place or assembled off to the side of the installation site and transferred to the installation area.



Figure 1. GeoRunner Panel Installation



Figure 2. Install Rivets



7. When panels are attached side-to-side, interlock the 4-foot (long edge) side connections and secure with two side clips evenly spaced (Optional). Refer to Figure 3.



Figure 3. Connect Panels with Side Clips (Optional)

Anchoring GeoRunner[®] Panels - Optional

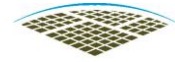
1. A minimum of four earth anchors shall be installed for each GeoRunner panel. Additional anchors may be required to keep the panels smooth and to ensure contact with sub grade. Refer to GeoRunner drawing for recommended anchor placement.
2. Install earth anchors by inserting the drive rod into the Duckbill[®] anchor head. Refer to Figure 4.
3. Position and drive earth anchor into the soil with a sledge hammer or impact hammer to the length of the cable or until the desired resistance is achieved. Refer to Figure 5.
4. Twist and remove the drive rod. Drive rod may require “rocking” action to dislodge from the earth.



Figure 4. Install Anchor



Figure 5. Position and Drive



- Using a wire gripper or other method, pull the cable firmly to remove slack and to set the earth anchor. Refer to Figure 6. The cable will move approximately 2 inches and the Duckbill will rotate beneath the surface to become permanently fixed in place, creating a “deadman”.



Figure 6. Secure Earth Anchor

- Slide the Gripple[®] into the same panel opening as the cable. Refer to Figure 7.
- Install so the anchor Gripple sits atop of the panel opening. Refer to Figure 8.



Figure 7. Install Gripple

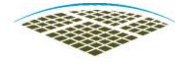


Figure 8. Set Gripple into GeoRunner Panel Opening

- Stand on Gripple and pull cable tight to remove slack and secure GeoRunner mat to ground surface. Refer to Figure 9.



Figure 9. Tighten Gripple to Secure GeoRunner to Ground



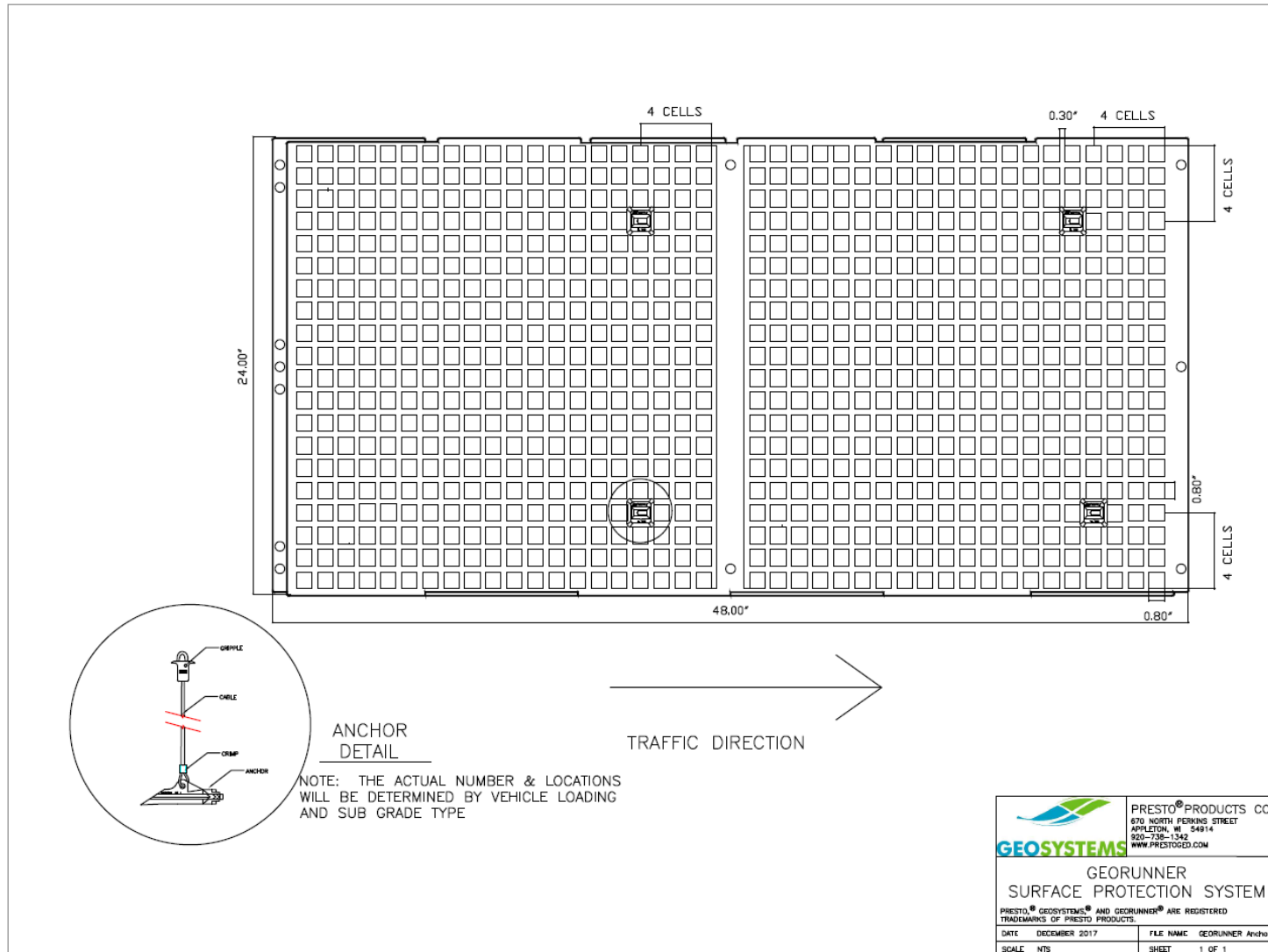
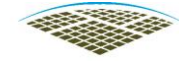
9. **Recommended:** Cut the cable approximately 2 inches above the Gripper head to allow for re-tensioning in the future, if required. Refer to Figure 10.
10. Loop the cut end back into the Gripper head. Refer to Figure 11. Looping the cable locks the free end safely as the Gripper is bi-directional and will permanently hold the free end of the cable.



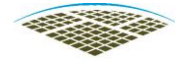
Figure 10. Cut the Cable to Loop the Trailing End



Figure 11. Loop Cable Back in the Gripper



Drawing 1. GeoRunner Anchor Pattern (Optional)



Limited Warranty

Presto Geosystems warrants each GeoRunner® panel which it ships to be free from defects in materials and workmanship at the time of manufacture. Presto's exclusive liability under this warranty or otherwise will be to furnish without charge to Presto's customer at the original f.o.b. point a replacement for any section which proves to be defective under normal use and service during the 10-year period which begins on the date of shipment by Presto. Presto reserves the right to inspect any allegedly defective section in order to verify the defect and ascertain its cause.

This warranty does not cover defects attributable to causes or occurrences beyond Presto's control, not in conformance with ordinary use, or unrelated to the manufacturing process, including, but not limited to, abuse, misuse, mishandling, neglect, improper storage, improper installation, improper alteration or improper application.

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Project drawings and specifications take precedence over all Manufacturers' recommendations.