

## **Installation Notes for SportsEdge PRO Turf Anchor Installation:**

1. Carefully review the design layout to verify proper location and orientation of the PRO Turf Anchor. The Turf Anchor can be used in a multitude of applications; bordering 400 meter tracks, across the “D” area of the field, etc. **Please note that this product is not designed to be used inside the field of play.** Two different height variations are available; the 2324.25, and the 2324.0. The #2324.25 has a 1 ½” height offset and is used to anchor longer pile **Infill Turf**. The #2324.0 has a ½” height offset and is used for shorter knitted nylon type turf.

**\*\*IMPORTANT:** Each installation may require different orientation / elevation so verification is critical. Be sure to add for the additional 13mm (1/2”) height of the Resilient Edge that will be added (installed) later.

2. For track and field applications, it is important to note the technique that the General Contractor has used to rough grade the site. Deeper excavation (10”+) may require the use of the Turf Anchor Bracket (**see figure 1A**) to simplify installation and ensure the proper finished elevation. Other contractors will grade the site (8”-9” below finished grade) so that the Turf Anchor can be set utilizing the brick support method. This would eliminate the need for the Turf Anchor bracket and minimize the amount of concrete required to backfill.

**\*\*IMPORTANT:** The Turf Anchor Bracket doubles as a horizontal alignment tool. The elimination of this bracket requires the use of care when setting the Turf Anchors to ensure proper horizontal alignment. A contractor supplied alignment tool such as wood strips is recommended (**see figure 1B**). These will be removed after the Turf Anchors are locked in concrete.

3. Use a laser and/or set a string line (**see figure 1C**) to make sure that the Turf Anchor Sections are set straight horizontally, as well as at the correct elevation per the plans.

4. Cut a 2x4 or other measuring device to the exact length of the SportsEdge Turf Anchors to be used to locate the position of each brick at the anchor joint. It is recommended that a reference mark be painted on the sub grade at each one-meter turf anchor joint; this will help establish anchor spacing and location.



**FIGURE 1A**

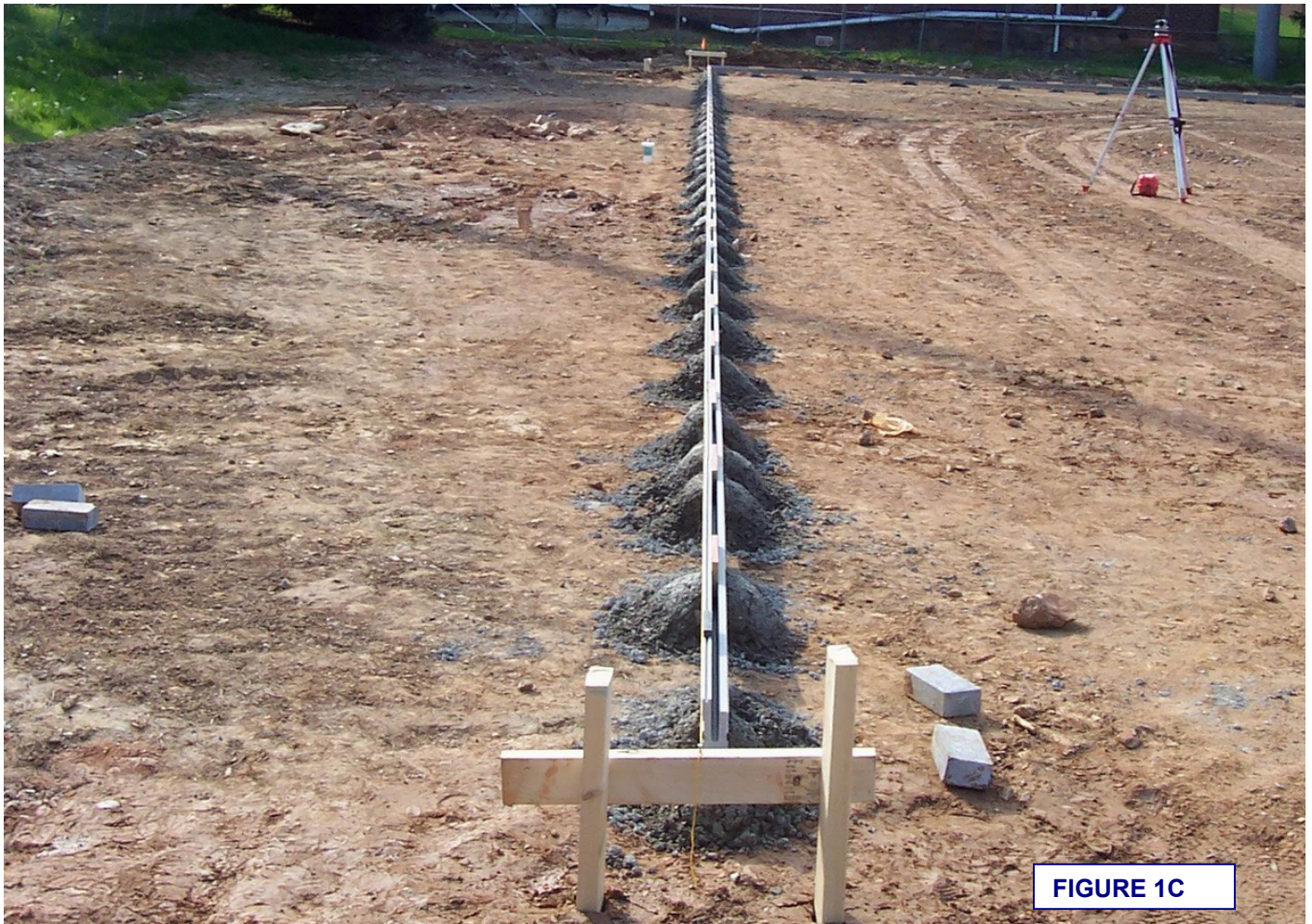


**FIGURE 1B**

**5. Using a stiff mix of mortar, set the concrete brick in the mortar so the 8" length is running perpendicular to the 1-meter length Turf Anchors. Both the Turf Anchor and/or the Turf Anchor Bracket should rest easily on the 4" wide brick.**

**6. Make sure that the brick is set in the correct location and is level and plumb. The top of the brick should be at an elevation, which allows the turf anchor (with the edging) to achieve the overall plan elevation. IMPORTANT: Since each application is different the contractor will need to determine this elevation from the plan drawings at time of installation.**





**FIGURE 1C**

7. Do not get too far ahead when setting the bricks and mortar, no more than 20-25 at a time. Once the mortar has stiffened, come back and begin to set the Turf Anchors, constantly checking their location and elevation against the painted reference marks, the string line and the plan drawings.

8. After an anchor has been set in the correct location, shovel additional mortar up against it, at the joint, to keep it straight, level, and locked in for the final concrete pour.

9. When setting brick and turf anchor around a radius; use a steel tape from the radius pin. Attach the end of the steel tape to the radius pin if possible. See the plans for the radius measurements. Always use the same location on each anchor as a measuring point from the radius pin to ensure a constant and correct distance of the PRO Turf Anchor around the radius.



### **FOR FINAL CONCRETE POUR:**

10. Cut a 4" PVC pipe in half lengthways. Use the half circle piece of pipe on top of the anchor to distribute the concrete evenly on both sides. Use hand floats to cove concrete up to the appropriate elevation as defined by material specifications. **\*\*IMPORTANT:** It is recommended that the concrete be poured to cover both the Turf Anchor Bracket (if used) and the Turf Anchor up to the second level of indicators on the Anchor (**see figure 2A**). Continue by sliding the pipe along as you go. This will help to keep the anchors from being knocked out of line when the concrete is poured, help to keep the Turf Anchor slot clean, and speed up the installation.



**FIGURE 2A**

11. Once final concrete pour is complete; attach the 3 meter lengths of Finish Edging to the assembly. The Edging is packaged separately in 3-meter lengths and is positioned at the top edge of the tall (high) side of the Turf Anchor, (**see figure 2A**).

Prior to final installation of the edging; apply approximately a ½" to ¾" bead of a quality construction adhesive. A **2 part epoxy adhesive** is recommended. Please note that the Edge should be offset to cover the joints between the sections of the Turf Anchor (see figure 4A). Attach the Turf Anchor by hand or by GENTLY tapping the edging with a rubber mallet. This will ensure a clean finished appearance when completed.



### **FOR TURF INSTALLATION:**

12. The Turf Anchor is to be used with a rope wedge. A 5/8" nylon rope or another non-biodegradable rope is recommended to ensure long life. **IMPORTANT: Some turfs may require a different diameter rope please check specifications carefully and select a rope diameter that securely wedges the specific turf type.** Trim the turf to sufficient length so that the turf covers the leading edge of the anchor and, when folded 90° and laid flat, just reaches to the bottom of the tuck slot. With the turf held flat and tucked in the slot, place the rope into the tuck slot and drive it deep into the slot, wedging the turf into place.

### **Notes:**

1. Double check Turf Anchor locations before the final concrete pour.
2. Turf Anchors can be field cut if required with a quickie saw and an abrasive or diamond blade.
3. Keep the tuck slot protected and clean.
4. Ensure that carpet is held securely in place after wedging in the tuck slot.





**Rope Wedge  
Installation**



**Completed Installation  
Across the "D" Zone**





**Completed Installation  
Bordering the Pole Vault Pad**



**Completed Installation  
Bordering the Long Jump Runway**



**University of Virginia  
2005**



**Turf Anchor Bordering a Stand Alone Infill Turf Field- Asphalt to Infill Turf**

**Turf Anchor Bordering a High Jump Area in the D Zone:  
Synthetic Track to Synthetic Turf →**

**Fleetwood High School, PA  
2008**

