

## **Installation Notes for SportsEdge Pro-S (standard) Channel Drain, No “L” Edge**

1. Start at one end of one of the straight-aways (beginning of the radius) and set the first 2900 SportsEdge in line catch basin.
- 2. For the straight-aways; set a string line at a 12” offset to the track side. This can be used frequently when setting the channels to make sure the SportsEdge channels are set straight.**
3. Use a stiff mix of mortar.
- 4. Make sure the concrete brick is set in the mortar so the 8” length is running perpendicular to the 1-meter length channels. The channels should each catch about 2” of the 4” wide brick.**
5. 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 equal to finished grade minus the overall height of the particular Pro-S Channel.  
Pro-S O.D. channel heights are as follows:

S-021	5.6”
S-091	7.2”
S-192	8.75”
S-291	11.9”
- 6. Cut a 2x4(or other measuring device) to the exact length of the SportsEdge channels to be used to locate the position of each brick at the channel joint.**
7. Don’t get too far ahead of yourself when setting the bricks and mortar. Set the concrete bricks and mortar approximately 20-25 at a time. Once the mortar has stiffened, come back and begin to set the channels, constantly checking the location and elevation of the channels.
- 8. After channels have been set in the correct location, shovel additional mortar up against the channels (at the joint) to help stabilize the drain for the final pour.**
9. When setting brick and channel locations around the radius; use a steel tape from the radius pin. Make sure the radius is free of obstructions before beginning. Attach the end of the steel tape to the radius pin if possible. See the plans for the radius measurements.

**10. Once the channels are set and stable; install the grates (1 meter lengths) and cover to protect from the concrete pour. Wrap the grates with polyethylene or mask with duct tape and place them in the channel grate lip. Alternatively, the grates can temporarily be placed in the channels upside down to help keep them clean during installation. Locking the grates in place will help secure channel alignment. **A shim placed between the grate (*before concrete pour*) and the upright edge of the channel grate lip is necessary for the grate to fit properly after concreting.****

**Important:**

**A. Optional; On the straight away you can stagger the (1M) grates by starting each piece in the middle of a 1 meter channel. Lock the grates (2 locking devices per grate) into place. The locked down grates will help add stability to the drain system.**

**For final concrete pour:**

11. Cut a 10 foot length of 8" PVC pipe in half lengthways. Use the half circle piece of pipe on top of the drain channel when pouring to distribute the concrete evenly on both sides. Use hand floats to cove concrete up to the elevation guides on the channels, or to float even with the concrete forms if used. Continue around the track by sliding the pipe along as you go. This will help to keep the channels from being knocked out of line, help to keep the grates clean, and speed up the installation.

**Additional Notes:**

- 1. Double check channel locations and elevations before the final concrete pour.**
- 2. Keep the drain system and grates protected and clean all through the construction process.**
- 3. Be very careful not to damage the channel drain system when paving up close to it.**