**ACO Drain Installation Device,**

**Template Information and use**

**Step 1** See diagram for Template measurements/download pdf

* Use rigid material (plywood or similar) to make template, use light weight material if possible.
* Create template

**Step 2** Begin installation

* Two string lines need to be used. One for top of channel edge and other for template edge. The template string line needs to be just above ground level to keep template straight when moving from one channel unit to next. Alternatively template can be modified to pick up one string line as a straight edge.
* Set first channel without using template to allow flexibly.
* Follow instruction on use of Install Device.
* Once first channel is set, leveled and straightness is achieved. Remove channel and leave first Install Device in place. Remove the second (downstream) Device, but leave re-bar supports in place.

**Step 3** Begin using template

* Take template and place over the two pieces of re-bar from initial channel installation positioning.
* The two remaining empty holes of the template should be in the direction of the install (downstream).
* Straighten template using the string line. Once achieved, insert re-bar into holes.
* Drive re-bar in to a sufficient depth - not too low to stop use of Install Device.
* Once this accomplished, remove template off re-bar and place again on the last two re-bar that were just installed and repeat process again.
* After fourth set of re-bar has been installed, take a Install device and place on the second set of re-bar and set first channel to correct height.

**Step 4** Install Channel onto Install Device

* Always allow two sets of re-bar to be installed before placing channels. This allows template to be removed and placed into the next position for setting the re-bar.
* Once first channel has been reinstalled do NOT lock clamping jaws on the Install Device yet. This allows some movement when placing the next channel in line. Place channel all the way to the fixed side of the Device where it will sit in the locked position.
* Continue to install Devices, and repeat process of setting the channels.
* After third channel is set, first channel can be locked into positionusing wedges on install device.
* Continue to follow step 3 and 4 when using the Install Device template until trench run is complete.