CRAFS®
CONTROL OUTLET INSTALLATION PROCESS

AN INSTALLATION VIDEO IS AVAILABLE ON THE ACF WEBSITE & ACF YOUTUBE CHANNEL.

STEP 1 - APRON TOE-IN
The apron extends upstream from the vertical support sleeves of the system's filter fabric an adequate distance to provide sufficient “apron toe-in” per ASTM D6462 requirements (i.e., 6” vertical depth from ground surface to base of toe-in trench plus 6” horizontal at base of toe-in trench).

Note that CRAFS® toe-in is a linear alignment along the upstream vertexes of the system, similar to the linear alignment of a traditional silt fence installation. This linear alignment allows a simple connection between a silt fence on both sides of the CRAFS® units that will prevent unfiltered runoff escape between the two systems.

STEP 2 - SYSTEM ALIGNMENT
1. Align the upstream vertexes of the CRAFS® units perpendicular to the flow direction of sediment runoff
2. Be sure the apron's “toe-in fabric” is pointed in the upstream direction during installation
3. Slide support posts through sleeves in the filter fabric
4. Pull taught between the upstream vertexes to remove all slack in the apron at its upstream alignment
5. Pull the apron's “toe-in” down vertically into trench and then horizontally across bottom of toe-in trench
6. Hold upstream support posts vertical at back of toe-in trench, and drive posts through the apron's toe-in into the trench
7. Drive stakes firmly into the ground in a vertical posture adjacent to the “downstream side of the toe-in trench”
8. Center the downstream support posts between the two upstream vertexes and pull the diagonal walls of the retention chambers taught in the downstream direction while driving the support posts into place.
   • Care must be taken to provide adequate tension between the downstream posts (as done with the upstream posts).
   • Tension must be applied to the downstream posts, pulling against the resistance from the adjacent upstream posts, to eliminate any slack

STEP 3 - TOE-IN BACKFILL
1. Backfill excavated soil into the toe-in trench
2. Assure complete burial of the apron at the upstream edge of the CRAFS® system
3. Firmly compact “toe-in” backfill to optimum density
4. Check that backfill is at/above natural ground level
5. Add and compact extra soil backfill if necessary to reach natural ground level or higher in toe-in trench

CRAFS® is a patented corrugated retention and filtration system for sedimentation control (Patent: US 9677243).

Check out the CRAFS product page on our website or our YouTube channel for a video showcasing a CRAFS installation.

For more information, please contact us at 800-448-3636 or info@acfenv.com