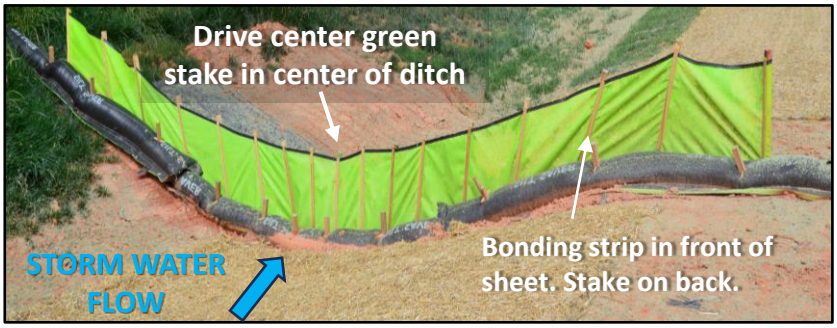
Installation Instructions:

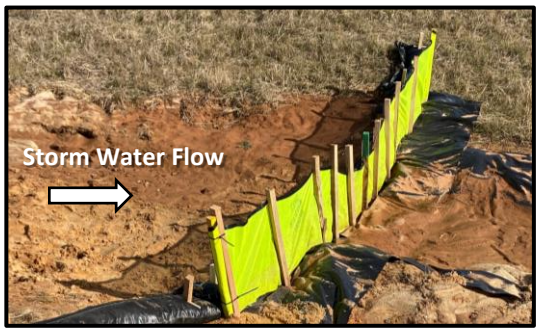
High Velocity Ditch Check Kit

Front View - Incoming flow side



Part Number - **HVDC 24**
24' wide (17 Stakes)

Rear View – Outgoing flow side



Part Number - **HVDC 14**
14' wide (11 Stakes)

*****Bonding strips and Compression tubes face storm water flow, posts on back side of green velocity restrictor sheet*****

Step One

- Lay preassembled check dam into ditch. Installation should be perpendicular to channel flow.
- Ensure bonding strips (lattice strips) on the velocity restrictor fabric (green mesh) are facing the incoming flow.
- Posts should be on the back side of fabric (Outgoing flow)

Step Two

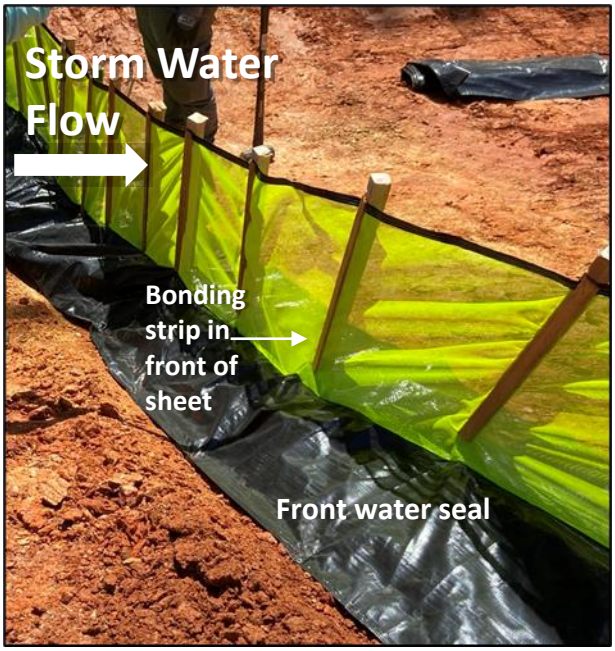
- Align center green stake with center of ditch.
- Drive center green stake partially into ground

Step Three

- Working from the center out drive all stakes partially into the ground ensuring that the fabric is pulled tight.
- Once all stakes have been partially driven into ground, go back to center stake and drive into ground until bonding strip is level with ground. Repeat for other stakes from center outward.

Step Four

- Spread front water seal (attached front fabric) then sod staple and bury the leading edge.
- Starting at the center, place first "Compression Tube" (short wattle) against the vertical green center post. Place compression tubes end to end until you reach the top of the ditch.
- Drive 2 compression stakes (t-stake) into each compression tube 1 foot from each end of tube.



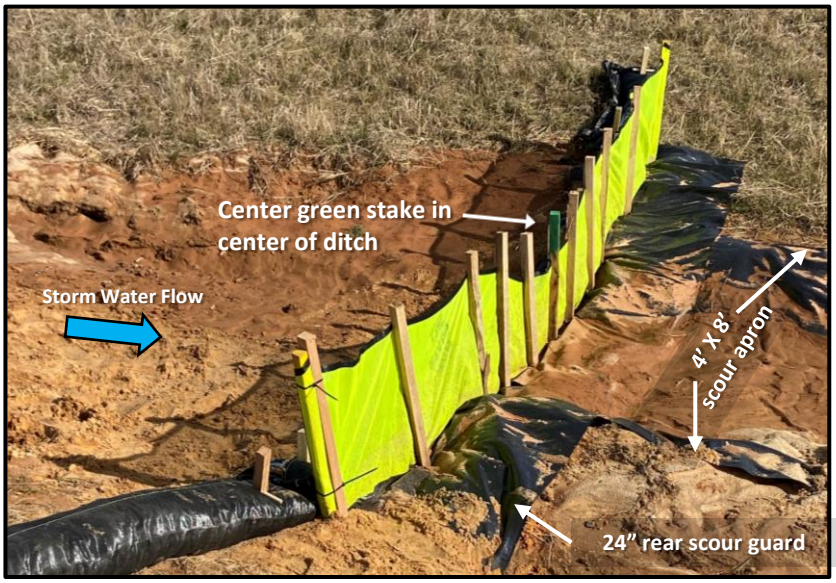
Step Five

Back Side (side facing outgoing flow)

- Lift the attached 24” rear scour guard (attached black fabric) and slide the **scour apron** (separate black fabric section) under it in the center of the ditch.
- Pin all edges of the rear scour guard and the scour apron with sod stapes at 12” intervals.

Rear View - Outgoing flow side

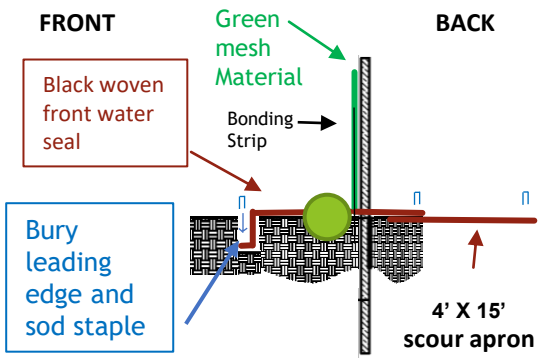
Part Number - **HVDC 24**
24’ wide (17 Stakes)



Part Number - **HVDC 14**
14’ wide (11 Stakes)

*****Bonding strips and velocity restrictor sheet facing sediment flow, posts on back side of sheet*****

Front water seal (attached black fabric) bury leading edge and sod staple. Cover with compression wattles staked down with compression stakes



SEDIMENT FLOW

Side View