



HIGH VELOCITY DITCH CHECK

Pre-assembled Check Dam

Patent # US 12,060,690



HVDC 24 for flat bottom, trapezoidal ditch



HVDC 14 for V shaped ditch

Temporary barrier slows velocity of channel stormwater and facilitates controlled stormwater release through the fabric onto the rear scour guard

- 2 options prefabricated and contoured to angles of ditch slopes:
 - **HVDC 24** - 24' wide with 24" overflow for flat bottom, trapezoidal ditch
 - **HVDC 14** - 14' wide with 16" overflow for V shaped ditch
- Preassembled and sold as a kit to ensure quality control and consistency of installation:
 - Velocity restrictor sheet prefabricated with posts
 - Attached front water seal and rear scour guard
 - Additional rear scour guard extension
 - Compression tubes with compression stakes
- Velocity restrictor sheet of green mesh allows floatables to contribute to filtration of stormwater
- Attached front water seal and pine chip filled compression tubes held in place with compression stakes prevent undermining
- Rear scour guard prevents scouring and undermining



Rear scour guard



Natural floatables contribute to filtration on green mesh of velocity restrictor sheet

More effective, less costly, and less maintenance than traditional rock check dam