

# Dewatering Tubes

## Installation Guide



### STEP-BY-STEP INSTRUCTIONS

- 1** Lay your dewatering tube flat on the ground free of all debris that could damage the tube. Remnant should be removed if located within 6.0 m (20 ft) of the project site. Unstable, erodible surface or material should be removed or stabilized.
- 2** Align the tubes as straight as possible and secured and anchored in place to maintain alignment after filling. (Larger tubes may require concrete barriers to prevent the tubes from rolling during filling. All unused fill ports should be tied closed.)
- 3** The discharge line of the dredge should be fitted with a “Y-valve” to allow control of the filling rate. The Y-valve system should be fitted with an internal mechanism, such as a gate, butterfly valve, ball valve, or pinch valve to regulate discharge into the tube. Any excess discharge should be directed away from the tubes.
- 4** The discharge pipe should be free of debris that could that could tear the fill port. Supporting the discharge pipe above the fill port will reduce stress on the fill port seams.

### Dewatering Tube Tips

The height to width ratio of a full-deployed tube should not exceed a value, of 0.5. Other height and width specification may be required by the Engineer to assure sliding, overturning, bearing capacity, and global stability of the tube system.

If the tube is not to be externally backfilled, the area should be left in a neat and properly graded manner. If the tube is to be externally backfilled, follow the procedure requirements for your specified project. The tubes should not be filled higher than the manufacturer’s recommended height.

### Protection

The hooks, tongs or other sharp instruments shall be used for handling. The tube should not be dragged on the ground.