

G and E - Silt Curtain



G and E has established a silt curtain fabrication facility in Korea, leveraging a professional factory setup, trained and skilled workers, access to quality geotextile and components, efficient operations, and fast delivery from Busan to Hong Kong. G and E Silt Curtain (GESC series) has a standard unit and a customized model.



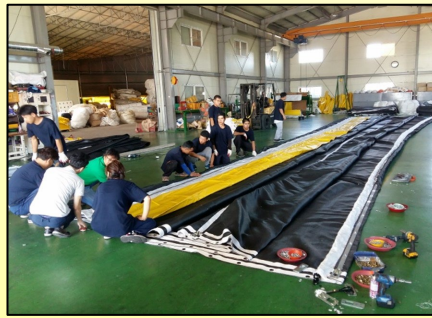
Proto-type silt curtain

We can supply silt curtain systems with:

- Customize design & drawing based on requirements
- Engineer to site condition constraint
- Fabricate to a specific depth and length
- Supplement with accessories and installation components



Handling of the silt curtain



Fabrication of silt curtain



Factory in Ansung, Korea

The silt curtain will be delivered in a pre-assembled package, including the float, geotextile curtain, ballast chain, and other accessories, readied for immediate deployment. The anchor system is optional.

Silt Curtain Types

G and E Silt Curtain system comes in various types to suit all environments. There are:

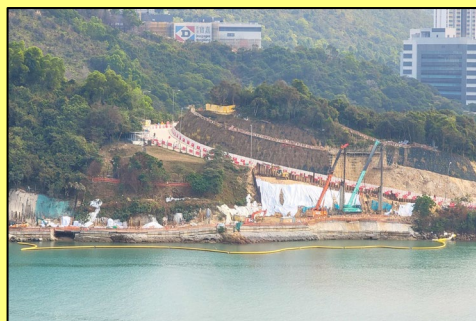
- **Hanging type** – a typical floating system for an enclosed work area
- **Standing type** - suspended in mid-water to allow marine traffic
- **Barge type** – for attachment to a vessel or a marine structure
- **Cover head type** - for coastal calm area
- **Frame type** - for enclosure of grab bucket
- **Double chain type** – a waving skirt to accommodate tidal change



San Shek Wan Sewage Treatment Works, August 2023 (DC/2020/02)



*Tuen Mun – Chek Lap Kok Link
December 2016 (HY/2012/08)*



*Tung Chung New Town
February 2024 (NL/2020/05)*



*Provision of village Sewerage
Sai Kung, January 2024 (DC/2019/09)*



Barge type



Cover head type



Double chain type

There are various float sizes (buoyancy requirements), different geotextile grades (strength requirements), a variety of steel plates (connection integrity), a reinforcement belt (stiffening the curtain body), and several bottom chains (adequate ballast weight) to configure the most appropriate system.

Silt Curtain Accessory

Optional accessories include a sub-float to counterbalance wave action, a marker buoy to identify anchor position, a marker light to signal alignment, a fluke & ton bag anchor to replace an anchor block, as well as PP rope, a shackle, and an anchor wire.



Marker light



Marker buoy



Sandbag anchor

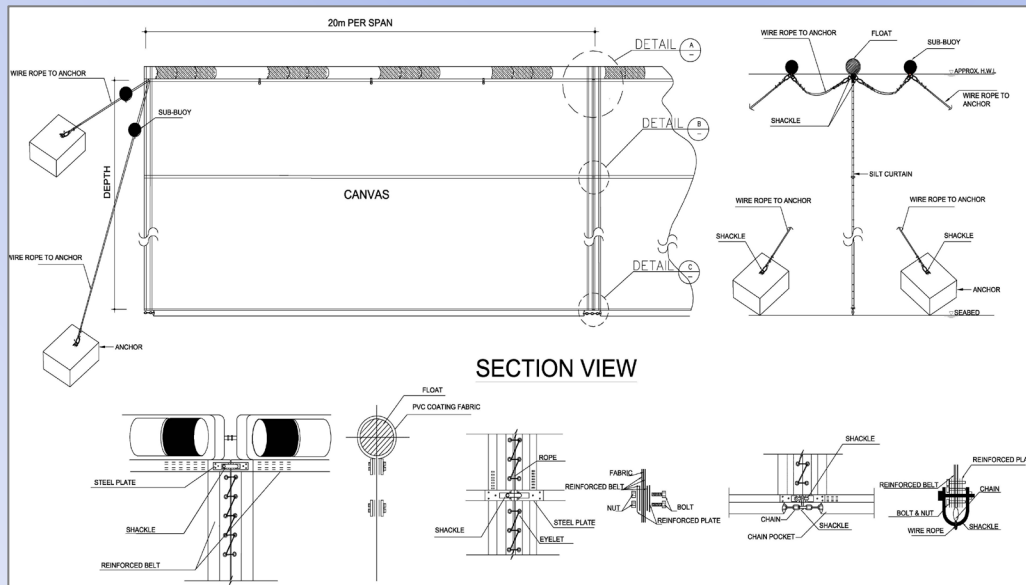


Anchor wire & cable



Rope & shackle

Typical Design Drawing of Silt Curtain



Fluke anchor



Sub-float