



Crumpler Plastic Pipe, Inc.
Manufacturer of Corrugated Plastic Drainage Pipe

Case History

Region: Asia Pacific-Hong Kong

Project: Kam Tin Bypass (HY/2000/18)

Product: CPP Subsoil Pipe

Client: Highways Department

Consultant: Binnie / Wilbur Smith /Babtie Asia

Main Contractors: Zhuhai International



CPP Subsoil Pipe

has a corrugated design to allow high flexibility while having high compressive strength.

The high water flow rate and the chemical inert property of its raw material (HDPE) make it the best subsoil pipe for underground water drainage.

PROJECT LOCATION:

The project is located at Kam Tin, north-west of the New Territories, Hong Kong.

PRODUCT APPLICATION:

The challenge is to discharge the underground water collected by a 2400 m² drainage layer behind retaining wall. Moreover, the subsoil pipe will be subjected to compaction force during the backfilling of soil.

After all the considerations, 150 mm dia. CPP corrugated and perforated subsoil pipe is appointed to be the wall back drainage pipe.

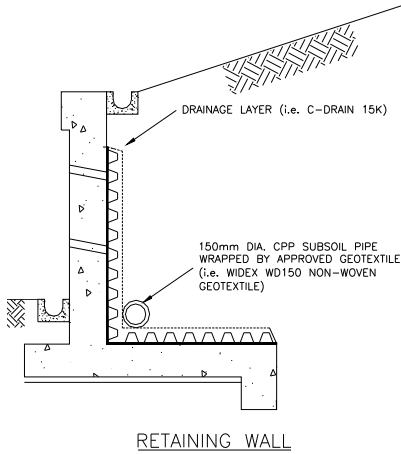
OTHER APPLICATIONS:

CPP HDPE pipe systems provide corrosion resistant, fluid transport that offer engineering solutions to the variety of pH waste water that flow in industry, agricultural and municipal sewers.

CPP HDPE pipe system is designed into “perforated” and “non-perforated”, “single wall” and “dual wall smooth-core”.

- * Perforated pipe is mostly used as underground water carrier pipe.
- * Non-perforated pipe is mostly used as water carrier pipe or electric cable conduits.
- * Single wall is the most commonly used for it allows the pipe to be flexible.
- * In special occasion, dual wall smooth core is used to achieve a higher water flow rate.

PROJECT PHOTOS:



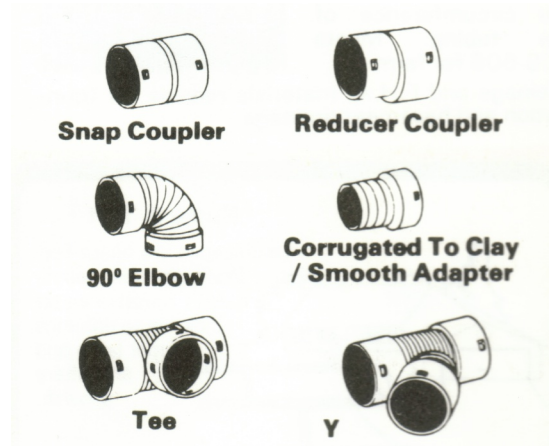
Picture 1



Photo 1



Photo 3



Picture 2



Photo 2

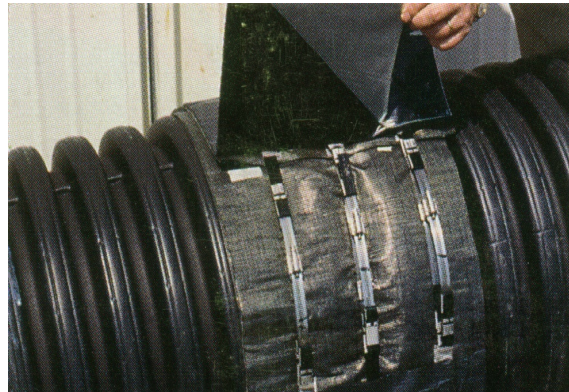


Photo 4

Picture 1: CPP subsoil pipe is used to discharge the water behind the retaining wall.

Picture 2: CPP pipe has full range of fittings for engineering design.

Photo 1: The CPP pipe system is connected to the discharge pipe through the use of T-fittings.

Photo 2: The CPP pipe system is connected to each other through the use of coupler fittings.

Photo 3: The CPP pipe system is wrapped by approved geotextile for filtration.

Photo 4: In special occasion, mastic coupler is available for pipe waterproofing.



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