Planning a mega terminal

When completed around 2030, T5 will be connected to the current Changi Airport via a network of taxiways and tunnels.

T5 KEY STATS
- Estimated year of completion: 2030
- Length of all taxiways and runways: 42.8km
- Land area of: 1,080ha
- Capacity: Up to 70 million passengers a year
- Length of tunnels: 16km

SOIL IMPROVEMENT
- To strengthen thick layers of marine clay, which has an almost toothpaste-like texture, water needs to be squeezed out. This is done by driving about half a million vertical straw-like strips made from synthetic geotextile polymer into the ground. The water flows through the strips and is removed from the marine clay.
- Soil of about 6m in height is then laid on top of the area as weight to further squeeze the water out of the marine clay through the vertical geo drains.
- Once the marine clay is consolidated, the soil is removed.

About one-third of the total land area of Changi East development needs to go through this treatment for taxiways and a runway to be developed.

NOTE: Illustrations not drawn to scale.