

Summary of Decisions of the Structural Engineering Committee  
SEC 07/2011 held on 02.06.2011

(a) Case 07/2011

Issue: To accept socketted steel H-pile formed by the welding of two steel plates to the flanges of a recognized steel H-pile as a recognized type of pile

Recommendation: To accept a modified socketted steel H-pile formed by welding two 245mmx30.4mm Grade 450J0 steel plates to a recognized 305x305x223kg/m Grade 450J0 steel H-pile as a recognized type of pile.

Decision: Members endorsed the recommendation on the condition that :

- (a) Effect of the proposed piling works to the MTRC tunneling works, and vice versa, should be duly evaluated ;
- (b) A detailed quality assurance proposal on welding works should be submitted. It should list out the welding procedures, working environment, necessity for preheating treatment, welders' qualification and supervision provided etc.
- (c) The capacity of the piles should be verified by proof test by imposition of test load. A testing proposal and the acceptance criteria should be submitted to the BD for agreement prior to the commencement of the load test. The test set up should take into full consideration of the constraints imposed on site to ensure safety and the performance of excessively long socket should be duly assessed when evaluating the allowable deformation.