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Dear Sirs

**REVISED SINGAPORE STANDARD ON CODE OF PRACTICE FOR FOUNDATIONS
CP4 : 2003**

SPRING Singapore (Standards, Productivity and Innovation Board) has recently released the revised Singapore Standard on Code of Practice for Foundations **CP4 : 2003**. As it is a revision of **CP4:1976**, the revised CP4:2003 will take immediate effect. We wish to highlight some salient features of this revised CP4:2003 as follows:

- a. Design. Factors to be considered in the design of foundations generally are outlined in Section 2, which includes design ground considerations for the local soil/rock conditions in Singapore.
- b. Permissible stress. In determining the allowable structural capacity of bored cast-in-place piles, the permissible stress for concrete is subject to a limit of 7.5 MPa.
- c. Geotechnical Design Values. The code suggests a range of values with limiting values for shaft friction and base resistance for pile design. It also mentions that the use of higher values for design would need verification by load tests; and cautions that the value for base resistance will not be applicable to bored piles with soft or weakened toes.
- d. Static Load Tests. The code recommends that the load test on preliminary test pile be instrumented to measure the transfer of load from the pile shaft and pile toe to the soil.

e. Dynamic Load Tests. The code advises that the substitution of working load test on piles using the Pile Dynamic Analyser (PDA) test alone should not be allowed in general. The use of PDA tests should be correlated with static load tests carried out at the subject site before its reliability and accuracy can be justified.

2 I would appreciate it, if you could disseminate the contents of this circular to your members. Please contact me or Mr. Yang Kin Seng at Tel 63257571 if you need any clarification.

Thank you.

Yours faithfully

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