| ISSUE | DESIGN STAGE | | CONSTRUCTION STAGE | | OPERATION STAGE | |
|---|--|---|---|---|---|--|
| | CHECK | REVIEW | CHECK | REVIEW | INSPECT | |
| | | | | | | |
| (1) Qualifications | Accredited Checker or Professional Engineer with Practicing Certificate possessing equivalent experience and of appropriate discipline, other than that stipulated under Act 133 (Street, Drainage and Building Act 1974). | Accredited Checker or Professional Engineer with Practicing Certificate possessing equivalent experience and of appropriate discipline. | Accredited Checker or Professional Engineer with Practicing Certificate possessing equivalent experience and of appropriate discipline. | Accredited Checker or Professional Engineer with Practicing Certificate possessing equivalent experience and of appropriate discipline. | Accredited Checker or Professional Engineer with Practicing Certificate possessing equivalent experience and of appropriate discipline. | |
| (2) Responsibilities of Accredited Checker/Reviewer/ Inspector | essential that the terms o(2) For his own interest, the on an on-going basis. Th insurance cover; (b) has | her third party. It is, therefore, surance cover on a project or mit his professional indemnity ient (i) accepts the limit of the h declaration, however, would | | | | |
| (3) Restrictions on Checker/Reviewer | A Checker/Reviewer shall not be unless with the written consent of of supplanting. Any dispute there | Not applicable | | | | |
| (4) Party to appoint Checker/Reviewer/ Inspector and to pay relevant fees | Owner of project or his agent | Owner of project or his agent | Owner of project or his agent | Owner of project or his agent | Owner of project or his agent | |

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| | CHECK | REVIEW | CHECK | REVIEW | INSPECT |
| (5) Type of project to be covered (as proposed by BEM to Ministry of Housing & Local Government; awaiting latter's action to amend Street, Drainage & Building Act) | CHECK (1) any building > 5 storeys; (2) any building on/or near hill slope with gradient > 25° and/or height > 15 meters or twice the height of the building whichever is lower (3) retaining wall > 4 meters in height or depth (4) Factory or manufacturing plant for explosives or highly inflammable materials; (5) Any project which, in the opinion of the approving authority or the Owner, | - | CONSTRUCTION CHECK The present provisions in Clause 70B of the Street, Drainage and Building Act 1974 cover any building under suspicion of defect. | | |
| | requires safety check. (Building shall mean any building intended for human habitation or occasional occupation.) | | | | |
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| (6) Scope of work | Shall include, but not | To be encoified by the | As specified by the | As specified by the | Not Applicable |
|----------------------|---|---|--|----------------------------|----------------|
| Scope of work | (1) stability of structure of building in carrying the design loads; (2) suitability and adequacy of foundation system in carrying the design loads; (3) stability of soil and/or rock mass due to: - (a) changes made to the ground topography by earthworks including cutting, filling and/or excavation; (b) changes in natural drainage system; and (c) changes in vegetation on site; (4) stability of artificially built soil/rock mass and its retaining system. | To be specified by the project owner. Can be any or all of the followings: - (a) engineering design; (b) engineering system; (c) choice of materials; (d) method of construction; (e) cost optimization; (f) safety check/review; (g) stability check/review; and (h) any other aspect deemed necessary by the owner. | As specified by the relevant authority or the owner. | As specified by the owner. | Not Applicable |

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| | CHECK | REVIEW | CHECK | REVIEW | INSPECT | |
| | | | | | | |
| (7) Minimum scope of checking/reviewing/ inspecting | Shall include, but not necessarily limited to, the following, where applicable: - (a) design concept; (b) theory and code of practice adopted; (c) adequacy of key elements in terms of load carrying capacity, load transfer system and design, drawing details; (d) factor of safety of geotechnical aspects with respect to the project itself and its adjacent properties; (e) influence of surrounding structure/ engineering features on the safety of the project; (f) any safety features specific to the project; (g) preparation of independent check calculation on key elements; and (h) preparation and submission of check report giving comments and calculation, recommendations, etc. | To be agreed between project owner and review engineer, and incorporated in agreement. If alternative design is asked for by the owner, the Reviewer must justify the merits of his alternative design with detailed description of concept, system, analyses, etc. | As specified by the relevant authority or the owner. | As specified by the owner. | As required by the Local Authority | |