

GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS

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VOLUME 1

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SECTION 7

- (a) SECTION 7 **Add the following after Clause 7.218:**

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GENERAL

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- 7.220 Particulars of slope and retaining wall record survey

SECTION 1

GENERAL

- (b) Clause 1.03(2) **Replace the sub-clause by the following:**

Utilities are the installations (including cables, ducts and pipes) used to supply or provide electricity, lighting, traffic control, telecommunications, cable television, gas, water, drainage, sewerage and tramway, including all associated protection, supports, ancillary structures, fittings and equipment.

- (c) Clause 1.09 **Replace the clause by the following:**

(1) The Contractor shall employ on the Site in connection with the execution of the Works a surveyor for setting out the Works and for conducting slope and retaining wall record survey.

(2) The surveyor shall possess a Diploma/Higher Certificate in land surveying from a Hong Kong technical institute/polytechnic or university, or equivalent qualification appropriate to the nature of the survey work required for the Contract, plus a minimum of 2 years relevant experience in engineering surveying.

- (d) Clause 1.11(2) **Replace the sub-clause by the following:**
- (2) The particulars of the proposed agent and surveyor shall be submitted for approval, and the particulars of the proposed foreman for concrete work shall be submitted for information.
- (e) Clause 1.11(3) **Replace the sub-clause by the following:**
- (3) The particulars of the proposed agent and surveyor shall be submitted within 7 days after the date of commencement of the Works. The particulars of the proposed foreman for concrete work shall be submitted within 7 days of his appointment.
- (f) Clause 1.22(1)(a) **Delete** or drainage systems

SECTION 7 GEOTECHNICAL WORKS

- (g) New Part 7 **Add the following new clauses after Clause 7.218:**
New Clauses
7.219 & 7.220

PART 7: SLOPE AND RETAINING WALL RECORD SURVEY

GENERAL

<i>Scope</i>	7.219	The Contractor shall conduct and complete a survey of all slopes and retaining walls formed, modified or partially modified under the Contract upon their completion or at any other time as appropriate during the construction period. The Contractor shall complete such survey upon the substantial completion of the Works as certified by the Engineer.
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SUBMISSIONS

<i>Particulars of slope and retaining wall record survey</i>	7.220	(1) The following particulars of the slope and retaining wall record survey shall be submitted to the Engineer: <ul style="list-style-type: none">(a) all necessary details of the subject slopes and retaining walls as required by the Engineer, including details of the extent of new fill body of a fill slope as appropriate, recorded on a plan of 1:1000 scale showing the locations with graphical boundaries appropriately highlighted and referenced to the HK1980 Grid, and(b) a soft copy of the plan as stated in Clause 7.220(1)(a) prepared in a format as specified in the Contract.
		(2) The particulars shall be submitted to the Engineer within 28 days, or such other time stated in the Contract, after completion of the slope and retaining wall record survey as agreed by the Engineer.

VOLUME 2

SECTION 10

CONCRETE CARRIAGEWAYS

(h) Clause 10.64

Replace the sub-clause by the following:

The concrete core shall be considered as non-compliant if it exhibits honeycombing which means interconnected voids arising from, for example, inadequate compaction or lack of mortar.

**Standards Unit
Civil Engineering Department
May 2003**