

**GENERAL SPECIFICATION
FOR CIVIL ENGINEERING WORKS**

2006 Edition

AMENDMENT No. 2/2007 (December)

VOLUME 1

SECTION 1 GENERAL

APPENDIX 1.1 STANDARDS

(a) New Clause **Add the following new Clause**

1.1.15 中華人民共和國行業標準

1. JTG F40-2004 公路瀝青路面施工技術規範 (Technical Specifications for Construction of Highway Asphalt Pavements)

SECTION 7 GEOTECHNICAL WORKS

PART 2 GROUND INVESTIGATION

(b) Glossary of terms **Replace “GLOSSARY OF TERMS” with the following:**

GLOSSARY OF TERMS

(The meanings hereby respectively assigned to the following words and expressions shall only be applicable to Clauses 7.29 to 7.83.)

(c) Clause 7.23 **Replace Clause 7.23 with the following:**

Rock is naturally occurring material of Grades I to III as classified in Table 4 of Geoguide 3 “Guide to Rock and Soil Descriptions”.

(d) Clause 7.24 **Replace Clause 7.24 with the following:**

Boulders are rock fragments greater than 200 mm in size.

(e) Clause 7.25 **Replace Clause 7.25 with the following:**

Cobbles are rock fragments 60 mm to 200 mm in size.

(f) Clause 7.26 **Replace Clause 7.26 with the following:**

Gravel is soil particles 2 mm to 60 mm in size.

(g) Clause 7.64 **Replace the table in Clause 7.64 with the following:**

Minimum Acceptable Total Core Recovery for Category of Drilling (%)

	“A”	“A”	“B”	“C”
Ground Conditions	(Air-foam flush)	(Water flush)	(Water/ Air-foam flush)	(Water/ Air-foam flush)
Rock of Decomposition Grade I To III or Concrete or Boulder	98	98	95	90
Common Ground	80	N/A	N/A	N/A

SECTION 9

CARRIAGEWAYS: SUB-BASE MATERIAL AND BITUMINOUS MATERIALS

(h) Clause 9.06 **Replace Clause 9.06 with the following:**

Bitumen for bituminous materials shall comply with ASTM D 946, Grade 60-70 and shall have a softening point exceeding 44°C and less than 55°C. The wax content of the bitumen shall comply with requirements for Grade A specified in JTG F40-2004. Unless otherwise permitted by the Engineer, blending or mixing of bitumen shall be carried out at a refinery approved by the Engineer.

(i) Clause 9.11(1)(b) **Add the following to the end of Clause 9.11(1)(b)**

- Wax content.

VOLUME 2**SECTION 25 ENVIRONMENTAL PROTECTION**

(j) Clause 25.02(3) **Replace Clause 25.02(3) with the following:**

(3) The Contractor shall follow the practices and be responsible for the design, construction, operation and maintenance of all the necessary mitigation measures, as specified in the Professional Persons Environmental Consultative Committee Practice Note (ProPECC PN) 1/94 “Construction Site Drainage” issued by the Director of Environmental Protection, or any update or reissue of this document posted on the website of Environmental Protection Department (<http://www.epd.gov.hk>) under Resources and Publications\Publications\Guide Books & Codes of Practice. The Contractor shall submit the design of the mitigation measures to the Engineer for approval. The mitigation measures shall be continuously reviewed and modified as necessary to cope with the changing site conditions as the Works progress.

(k) Clause 25.15(7)(b) **Replace Clause 25.15(7)(b) with the following:**

(b) The Contractor shall ensure that there is adequate water supply/storage for dust suppression at all times.

**Standards Unit
Civil Engineering and Development Department
27 December 2007**