Record Nr. UNINA9910820973503321 Recommendations on excavations : EAB / / published by the German **Titolo** Geotechnical Society (Deutsche Gesellschaft fur Geotechnik e.V., DGGT) Pubbl/distr/stampa Berlin, Germany:,: Ernst & Sohn,, 2014 ©2014 **ISBN** 3-433-60400-2 3-433-60397-9 3-433-60398-7 Edizione [Third edition.] Descrizione fisica 1 online resource (325 p.) Disciplina 624.152 Soggetti Excavation Excavation - Standards Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Translation of the 5th German edition. Nota di bibliografia Includes bibliographical references. Nota di contenuto Cover: Title page: Members of the Working Group for Excavations: Preface; Notes for the User; Contents; 1 Introduction; 1.1 Engineering prerequisites for applying the Recommendations (R I); 1.2 Governing regulations (R 76); 1.3 Safety factor approach (R 77); 1.4 Limit states (R 78); 1.5 Support of retaining walls (R 67); 1.6 Planning and examination of excavations (R 106); 2 Analysis principles; 2.1 Actions (R 24); 2.2 Determination of soil properties (R 2); 2.3 Earth pressure angle (R 89); 2.4 Partial safety factors (R 79); 2.5 General requirements for adopting live loads (R 3) 2.6 Live loads from road and rail traffic (R 55)2.7 Live loads from site traffic and site operations (R 56); 2.8 Live loads from excavators and lifting equipment (R 57); 3 Magnitude and distribution of earth pressure; 3.1 Magnitude of earth pressure as a function of the selected construction method (R 8); 3.2 Magnitude of total active earth pressure lead without surcharge loads (R 4); 3.3 Distribution of active earth pressure without surcharges (R 5); 3.4 Magnitude of total active earth pressure lead from live loads (R 6); 3.5 Distribution of active earth pressure from live loads (R 7) 3.6 Superimposing earth pressure components with surcharges (R 71)

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