

Replaces the recommendations SIA V191, Edition 1995, SIA V192, Edition 1996, the pre-code SIA 191/1, Edition 2001, and the guideline SIA 2009, Edition 1996

Geotechnik
Géotechnique
Geotecnica

Geotechnical Design

267

CONTENTS

	Page		Page
Foreword	5	7.5 Dimensioning	44
		7.6 Constructional measures	45
0 Scope	6	8 Spread foundations	47
0.1 Limitations	6	8.1 Limitations	47
0.2 Prerequisites	6	8.2 Basic principles	47
0.3 References	6	8.3 Ground	47
0.4 Exceptions	7	8.4 Structural analysis	47
1 Terminology	8	8.5 Dimensioning	49
1.1 Technical terms	8	8.6 Constructional measures	52
1.2 Symbols	16	9 Pile foundations	53
2 Basic principles	21	9.1 Limitations	53
2.1 General	21	9.2 Basic principles	53
2.2 Geotechnical risks	21	9.3 Ground	54
2.3 Observational method	22	9.4 Structural analysis	55
2.4 Verification of the limit states	22	9.5 Dimensioning	57
2.5 Soil-structure interaction	23	9.6 Constructional measures	60
3 Ground	24	9.7 Execution checks and monitoring	63
3.1 General	24	10 Prestressed ground anchors	65
3.2 Site investigation	24	10.1 Limitations	65
3.3 Classification of soils and rocks	25	10.2 Basic principles	65
3.4 Geotechnical report	25	10.3 Ground	67
4 Structural analysis	27	10.4 Structural analysis	67
4.1 General	27	10.5 Dimensioning	68
4.2 Characteristic geotechnical values	27	10.6 Constructional measures	70
4.3 Actions imposed by the ground	29	10.7 Execution checks and monitoring	72
4.4 Soil resistances	29	11 Non-prestressed ground anchors	75
4.5 Structural model	30	11.1 Limitations	75
5 Dimensioning	32	11.2 Basic principles	76
5.1 General	32	11.3 Ground	76
5.2 Limit states	32	11.4 Structural analysis	76
5.3 Dimensioning values	33	11.5 Dimensioning	77
5.4 Verification of structural safety	36	11.6 Constructional measures	79
5.5 Verification of serviceability	37	11.7 Execution checks and monitoring	82
5.6 Dimensioning on the basis of constructional measures	38	12 Retaining structures	84
5.7 Dimensioning on the basis of testing	39	12.1 Limitations	84
6 Execution checks and monitoring	40	12.2 Basic principles	84
6.1 Basic principles	40	12.3 Ground	84
6.2 Execution checks	40	12.4 Structural analysis	84
6.3 Monitoring during construction	41	12.5 Dimensioning	87
6.4 Monitoring during use	42	12.6 Constructional measures	89
7 Earthquakes	43	13 Uplift and hydraulic failure	90
7.1 Limitations	43	13.1 Limitations	90
7.2 Basic principles	43	13.2 Basic principles	90
7.3 Ground	43	13.3 Ground	90
7.4 Structural analysis	44	13.4 Analysis	90
		13.5 Dimensioning	91
		13.6 Constructional measures	92

	Page
14 Slopes and cuts	93
14.1 Limitations	93
14.2 Basic principles	93
14.3 Ground	93
14.4 Analysis	93
14.5 Dimensioning	94
14.6 Constructional measures	96
15 Fills and embankments	97
15.1 Limitations	97
15.2 Basic principles	97
15.3 Ground and fill material	97
15.4 Structural analysis	98
15.5 Dimensioning	98
15.6 Constructional measures	99
16 Groundwater control	100
16.1 Limitations	100
16.2 Basic principles	100
16.3 Ground	100
16.4 Analysis	101
16.5 Dimensioning	101
16.6 Constructional measures	101
Acceptance and coming into force	104
Interim regulations	104

FOREWORD

The present code SIA 267 *Geotechnical Design* is directed towards design engineers. Also addressed are owners and those involved in site supervision and the execution of construction works.

SIA 267 is part of the Swiss structural codes. It follows parts of the European Standard EN 1997-1 *Geotechnical design – Part 1 General Rules* and includes the basic principles set out in the recommendations SIA V191 (1995), SIA V192 (1996), and SIA V191/1 (2001) and the guideline SIA 2009.

The Swiss structural codes comprise the following:

- SIA 260 Basis of structural design
- SIA 261 Actions on structures
- SIA 262 Concrete structures
- SIA 263 Steel structures
- SIA 264 Composite steel and concrete structures
- SIA 265 Timber structures
- SIA 266 Masonry
- SIA 267 Geotechnical design.

It is planned to add to the Swiss structural codes a code on the conservation of structures.

SIA 267 contains the basic principles and regulations that should be observed in geotechnical engineering. It sets out the requirements for geotechnical site investigations, the description of geotechnical parameters as well as geotechnical analysis and dimensioning. Not part of the code are provisions for the methods of analysis and of determining the properties of soil and rock.

SIA 267 includes the use of the observational method and sets out the corresponding requirements that must be complied with.

SIA 267/1 regulates the methods employed to test structural components of a geotechnical nature (anchors and piles) and provides references to the pertinent Swiss and European codes, in particular to the VSS and EN codes dealing with the identification, description and testing of soil and rock.

Regulations for the tendering and execution of earthworks, foundations and other geotechnical engineering works are given in the code SIA 118/267 *Allgemeine Bedingungen für geotechnische Arbeiten*.

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Acceptance and coming into force

The central committee for codes and regulations accepted the present code SIA 267 on 1 October 2002.

It comes into force on 1 July 2003.

It replaces, together with the code SIA 267/1, the recommendations SIA V191 *Prestressed soil and rock anchors*, Edition 1995, SIA V192 *Piles*, Edition 1996, the pre-code SIA 191/1 *Ungespannte Boden- und Felsanker (Nägel) mit Vollverbund*, Edition 2001 and the guideline SIA 2009 *Bemessung von verankerten Bauwerken*, Edition 1996.

Interim regulations

Up to 30 June 2004 the recommendations SIA V191, Edition 1995, and SIA V192, Edition 1996, as well as the pre-code SIA 191/1, Edition 2001, may still be used, but only together with the structural codes they refer to.

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