

Module 5A: Specification of ground improvement for residential properties in the Canterbury region

All content related to B1 Structure (<https://www.building.govt.nz/building-code-compliance/b-stability/b1-structure/>)

Guidance

Module 5A: Specification of ground improvement for residential Canterbury properties

[PDF 1.2 MB]

<https://www.building.govt.nz/assets/Uploads/building-code-compliance/b-stability/b1-structure/geotechnical-guidelines/geotechnical-module5a.pdf>



About this document

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Of interest to Building consent authorities, Engineers

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Introduction

This module provides a specification for designing and constructing ground improvement. It is specifically directed at ground improvement for liquefaction mitigation in single residential properties in Canterbury. However, it will also be useful for other areas of New Zealand prone to liquefaction.

Contents

The module covers four of the main ground improvement techniques. This is part of the Earthquake Geotechnical Engineering Practice series.

Appendices

Module 5A: Appendices 3, 4 and 5 (<https://www.building.govt.nz/building-code-compliance/b-stability/b1-structure/module-5a-ground-improvement-canterbury/module-5a-appendices/>)

Education

Learn about Module 5A (<https://www.building.govt.nz/building-code-compliance/geotechnical-education/module-5a/>) in the geotechnical education section.

Other modules

Earthquake geotechnical engineering practice series (<https://www.building.govt.nz/building-code-compliance/b-stability/b1-structure/geotechnical-guidance/#jumpto-earthquake-geotechnical-engineering-practice-series>)

Resources

Other resources that are available include:

- [Lessons Learned from the Ground Improvement Programme](https://www.eqc.govt.nz/canterbury/ground-improvement-programme) (<https://www.eqc.govt.nz/canterbury/ground-improvement-programme>) on the EQC website
- [Approved Code of Practice for Safety in Excavations and Shafts for Foundations](https://worksafe.govt.nz/topic-and-industry/excavation/excavation-safety-gpg/) (<https://worksafe.govt.nz/topic-and-industry/excavation/excavation-safety-gpg/>) on the WorkSafe website.

All guidance documents related to B1 Structure (https://www.building.govt.nz/search/?bcc%5B%5D=b1-structure&area=guidance&show=all&action_doSearch=Search&sort=recent#results)



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