

Title	Demonstrate knowledge of soil properties for earthworks		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to demonstrate knowledge of soil properties for earthworks.
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Classification	Infrastructure Works > Infrastructure Civil Works
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Available grade	Achieved
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Guidance Information

Angle of repose is the angle at which an undisturbed pile is self-supporting.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of soil properties for earthworks.

Performance criteria

- 1.1 Silts are described in terms of their properties and implications for earthworks.
 Range may include but are not limited to - water control, removal and angle of repose, loading, offloading, moisture content, compaction, civil construction uses, mobile plant.
- 1.2 Clays are described in terms of their properties and implications for earthworks.
 Range may include but are not limited to - water control, removal and angle of repose, loading, haulage, offloading, spreading, moisture content, compaction, civil construction uses, mobile plant.
- 1.3 Rocks are described in terms of their properties and implications for earthworks.
 Range may include but are not limited to - removal and angle of repose, loading, haulage, offloading, compaction, civil construction uses, mobile plant.
- 1.4 Sands are described in terms of their properties and implications for earthworks.
 Range may include but are not limited to - removal and stabilisation, loading, haulage, civil construction uses, mobile plant.

Replacement information	This unit standard and unit standard 25831 were replaced by unit standard 31445.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 November 2003	31 December 2016
Review	2	19 February 2015	31 December 2017
Revision	3	19 May 2016	31 December 2021
Review	4	27 September 2018	31 December 2021

Consent and Moderation Requirements (CMR) reference	0101
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.