## NZS 4404:2010

## 2 EARTHWORKS AND GEOTECHNICAL REQUIREMENTS

2.1	Scope	
2.2	General	
2.3	Design	
2.4	Approval of proposed works	
2.5	Construction	

2.5.1 Plant Pest Management

Add the following new section:

The management response to minimise the potential for weed establishment can be controlled through identification of weeds that should not be tolerated on site because of their aggressiveness or persistence. Adequate site biosecurity is required for machinery and materials brought onto the site to ensure that weed propagules do not enter the site. This involves cleaning machinery prior to bringing it on to the site and ensuring that other materials brought on to the site, including gravels, are free of seeds and vegetation. Using locally sourced gravel and soils, or other materials where possible may reduce the potential for the introduction of new weeds to the area.

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2.6.2 As-built drawings for earthworks and subsoil drains

Add the following sentences:

This is required where earthworks exceed 100 square metres and the depth exceeds 500mm. For fill areas compaction results are required in terms of Appendix I, Section 2.

See drawing CM - WDC-02 – Depth Contours Cut / Fill Areas in Subdivision Supplement to NZS4404 Appendix A

WDC has the following documents:

Institute of Geological & Nuclear Sciences (IGNS) Reports. (Copies held by WDC Emergency Manager):

<i>Report No.</i> 2A, B	<i>Title</i> Active Geological Structures, Earthquake Scenarios	
3	A Numerical Assessment of the Earthquake Hazard in the Manawatu Wanganui Region	
4A	Geological Setting & Earthquake Hazards, Lifeline Vulnerability & Analysis of Possible Damage	
4B	Characteristics of Near Surface Geological Conditions in Urban Areas of Manawatu Wanganui Region	
4C	Measurement of Earthquake Ground Shaking in Palmerston North & Wanganui	
4D	Assessment of Liquefaction-induced Ground Failure Susceptibility in Manawatu Wanganui Region	
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4E Ground Shaking Hazard Assessment for Urban Centres of Manawatu Wanganui Region

Aerial photography – current and historical vertical aerial photography of the urban area is held by WDC. WDC also has rural aerial photography. Old stereo pairs are held by WDC Planning Services. The Regional Council holds district wide aerial photography.

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