

# CLOSE PROXIMITY EXCAVATION REQUEST AND PERMISSION



<b>In compliance with the New Zealand Electrical Code of Practice 34: 2001 Section 2, 712 an applicant's statement is hereby requested for EXCAVATION OR EXISTING GROUND LEVEL CHANGE within specified close proximity to an overhead electric Line Pole, Tower or stay wire in accordance with the following proposal.</b>		
Line / Station / Location:	Structure / Equipment ID:	Voltage (kV):
Request details ( <i>Depth and or extents of excavation / Sketch on reverse</i> ):		
Permanent or temporary works:		
Proposed method of permanent Pole / Tower foundation stabilisation:		
Civil engineering assessment completed by:		
Temporary Pole / Tower stabilising method:		
Altered ground water flow and erosion control plan:		
Applicant Reference No:	Manawa Energy Ref No:	Location:
Applicant and / or Company Name:		Date:
Contact name:		Phone No:
Signature:	Fax No: / e-mail	

Manawa Energy Use	
<b>Manawa Energy STATEMENT</b> In terms of the <b>NZ Electrical Code of Practice 34: 2001 Section 2</b> and Manawa Energy's own requirements, the requested excavation or ground level change is approved.	
Manawa Energy approval by:	Date approved:
<b>This permission is issued solely to the applicant or named company and may not be used by any other persons or company. The applicant will notify the issuing Manawa Energy Personnel on works completion.</b>	
Signature:	Inspected & compliant with agreed measures:
Works Completed Date:	
<b>EMERGENCY CONTACT:</b>	

# CLOSE PROXIMITY EXCAVATION REQUEST AND PERMISSION



## New Zealand Electrical Code of Practice 34: 2001 Section 2

### Minimum Safe Distances for Excavation and Construction Near Overhead Electric Line Supports

#### 2.1 General

2.1.1 This section outlines the requirements for building or excavation near overhead electric line support structures (towers, poles and stay wires). The minimum safe distances are designed to limit the chance of damage or hazards being created by the building or excavation. The minimum distances also ensure that the support structures can be accessed for inspection and maintenance.

2.1.2 Excavations and other works near overhead electric line supports can compromise the structural integrity of the overhead electric line.

2.1.3 Metallic or conducting paths near overhead electric line supports can transfer voltage potentials that could create step and touch currents during earth fault conditions.

2.1.4 Any consent and associated conditions given under this section shall be reasonable and shall not be unreasonably withheld.

#### 2.2 Excavation Near Overhead Electric Line Supports

2.2.1 Subject to clause 2.2.2, prior written consent of the pole owner shall be obtained for any excavation or other interference with the land near any pole or stay wire of an overhead electric line where the work:

- (a) is at a greater depth than 300mm within 2.2 m of the pole or stay wire of the line; or
- (b) is at a greater depth than 750 mm between 2.2 m and 5 m of the pole or stay wire; or
- (c) creates an unstable batter.

2.2.2 Clause 2.2.1 does not apply to vertical holes, not exceeding 500 mm diameter, beyond 1.5 m from a pole or stay wire.

2.2.3 Prior written consent of the tower owner shall be obtained for any excavation or other interference with the land near any tower supporting an overhead electric line where the work:

- (a) is at a greater depth than 300 mm within 6 m of the outer edge of the visible foundation of the tower; or
- (b) is at a greater depth than 3 m between 6 m and 12 m of the outer edge of the visible foundation of the tower; or
- (c) creates an unstable batter.

2.2.4 Nothing in clauses 2.2.1 - 2.2.3 applies in respect of normal agricultural cultivation or the repair, sealing, or resealing of the existing surface of any road, footpath, or driveway.

2.2.5 Figures 1 and 2 provide a quick reference to the minimum safe distances for excavation near overhead electric line supports.