

Close Approach Consent

Consent No:

1. Contact Details

Company Name: Downer	Date of Application: 19/01/2018
Postal Address: 133 Main South Road, Green Island, Dunedin	Contact Name: Andrew Beattie
Contact Email: Andrew.Beattie@downer.co.nz	Contact Phone: 03 4788 120

2. Proposed Work Details

On Site Supervisor: Nga Matapo	Supervisor Phone: 027 433 5853
Start Date: 23/01/2018	End Date: 26/01/2018
Start Time: 8.00am	End Time: 5.00pm
Close Approach Type: Excavation within 5 m of Network Cables	
Work Description: Pavement digout to repair failure in exist trench line.	
Work Site Location: Intersection of State Highway 83 and Priest Road.	
Notes: Pavement failure in existing power cable trench, excavate to 200mm to investigate and repair failure.	

3. Consent Restrictions and Conditions

Consent Type Granted	Work Type, Method/Zone Note: Tick "Consent Type Granted" and circle nominated work site line voltage	Minimum Approach Distance (MAD) to be observed for the specified line voltage				
		Fibre	LV	11kV	33kV	66kV
<input type="checkbox"/>	Operator of Crane, EWP and other mobile machinery: - cables accessed from beneath or horizontally within 4m of the line (See condition 16, notes on earthing mobile plant). (Safety observer needed if MAD is likely encroached)	0.5m	1.0m	1.5m	2.5m	3.0m
<input type="checkbox"/>	Ordinary Person: (general work only- not trees) MAD for persons and hand held equipment Builders Scaffolding: section 15	0.5m	1.0m	1.5m	2.5m	3.0m
<input type="checkbox"/>	Excavation within 5m of network assets: E.g. poles, stays, transformers See over for General Conditions/Requirements section 13	Distance from Asset: 700mm				
		Depth of Excavation: 200mm				
<input type="checkbox"/>	Excavation within 4m of Network Underground Cables: Location drawing attached/was provided : YES / NO Cable will be /has been physically located : YES / NO Request NWL Safety Observer : YES / NO Before U Dig Application Number: See over for General Conditions/Requirements section 14	0.75m	1.5m	1.5m	1.5m	1.5m

4. Specific Safety Measures:

Checked by Network Controller.
Signed: _____ Dated: _____

Location Substation / Road	Equipment ID	Type of Operation Reclose block, Isolation or, Close Approach Disconnection	SSM Applied		SSM Removed	
			Initials	Time	Initials	Time

Associated Operating Order No.:

5. Issue and Receipt of Consent

As the Issuer of this Close Approach Consent, I confirm the Specific Safety Measures listed are in place.

	Name	Signature	Date / Time
Issuer:			

As the recipient of this Close Approach Consent, I confirm that I fully understand that NWL has granted permission to perform the work (detailed Section 2) with reduced Minimum Approach Distances (detailed Section 3). I understand the specific Consent restrictions and conditions (detailed Section 3) as well as the safety measures applied (detailed Section 4) and General Conditions/Requirements identified (detailed Section 6)). I will ensure that all work is undertaken in accordance with the requirements identified.

I understand that the cost of providing the on-site safety observer or other safety measures will be passed onto me.

	Name	Signature	Date / Time
Recipient:			

6. General Conditions/Requirements

- This Close Approach Consent shall be treated as formal notification that NWL has granted permission for a non-electrically competent person (or work party) to work within 4.0m proximity to NWL's overhead electricity lines, including fibre optic cables with reduced minimum safe approach distances as specified.
- All Power Lines are to be treated as "live" at all times. All workers shall observe the MAD (Minimum Approach Distances) from power lines shown in Section 3. The MAD are minimum distances under ideal environmental, weather and working conditions.
- This permission has been granted in accordance with the requirements of the SM-EI, NZECP 34 and the OSH (Part 2) - Guidelines for the Maintenance of Trees around Power Lines and under strict observance of any restrictions and conditions specifically identified on this form.
- Advice shall be given to the NWL Network Control Centre at the commencement and completion of work each day. A copy of this consent shall be held by the Network Control Centre two days prior to work commencement.
- The Site Supervisor is responsible for compliance with all relevant Acts and Regulations and is to remain on site at all times mobile plant is within 4.0 metres of overhead lines.
- A Safety Observer is required to be on site when the operator of mobile plant is unsure that they can maintain the minimum approach distance specified on the consent. The cost of which is the responsibility of the Consent holder.
- This consent is not transferable to any other operator
- This consent form must be available for inspection on site at all times**
- Any overhead line or underground cable contact is to be reported to NWL Control Centre immediately on **0800 440 220**
- A Warning Notice "WARNING, KEEP CLEAR OF POWER LINES" shall be placed as near as practicable to the mobile plant operator's position.
- The maximum allowable period for the issue for close approach consent is for 7 days. However, where the worksite significantly changes during the course of the work being undertaken (in terms of the location or work conditions) or operator applied safety measures are applied the maximum allowable period for the issue of consent is 24 hours.
- The required notice for close approach consent is:
 - 3 working days where no switching or other safety measures are to be applied and
 - 5 working days where switching is required, but no consumer advertising is required
 - 15 working days where a switching outage and other safety measures with consumer advertising is required.
- If any work involving excavation or interference of land is close to a pole, stay wire or other support of an overhead electric line the work must comply with NZECP 34 section 2. Consent shall be required in writing from NWL when excavation is to be done closer than 5m from any structure. NWL will determine what conditions will apply to prevent poles from falling over and may require engineering analysis to be

undertaken before the following excavation work commences:

- at a greater depth than 300mm within 2.2m of the pole or line support
- at a greater depth than 750mm between 2m and 5m of the pole or line support
- creates an unstable batter through the removal or the addition of surface material.
- decrease in ground clearance within 5m of an overhead pole line.

14. Any digging near Strategic Underground Cables includes fibre optic cables or Equipment closer than MAD must be by hand and supervised by NWL or one of NWL's approved Safety Observers per NWL Standard NP15/125. Basic conditions are:
- a. No work is to be done within 4m of underground cables without written close approach consent from NWL. Site supervision may be required.
 - b. Obtain cable plans from NWL via **Before U Dig**. Confirm cable location with Whitestone Contracting Ltd.
 - c. Hand digging is required to check the location of UG cables before machinery is used.
 - d. Machine digging will only be permitted to within 1.5 metres of the known location of any cable including fibre optic cables after which digging must be by hand. A safety observer must be present on site.
 - e. Cable protection slabs shall be removed by hand only, NWL will arrange supervision when required which **will be at a cost to the contractor**.
 - f. Exposed cables must be adequately supported and protected and open trenches must be adequately protected from access to the public.
 - g. Under no circumstance shall a high voltage cable be moved by hand while still alive.
 - h. Care must be taken when excavating near high voltage cables as there may be other services, eg. Telephone or low voltage cables in the same trench at a lesser depth.
15. Mobile plant operating within 4m of a power line must be earthed as follows.
- Where used in a switchyard or near to a switchyard, Network Waitaki Network manager will advise the method of earthing.
 - Where being used away from a switchyard the mobile plant shall be earthed via a driven stake.
 - Where the plant is being operated from the ground, the operator should stand on a metal plate or screen bonded to its frame or on an isolating mat to guard against the risk of step and touch voltages as a result of the contact of the mobile plant with live conductors.
 - The mobile plant operator must wear full body cover fire retardant overalls, industrial footwear and hard hat suitable for the conditions and risks of the work.
16. The construction of scaffolding work closer than 4 m from any power lines under 110 kV must first be approved via Close Approach Consent application from the line Owner. (Note: the line owner could be the property owner). This consent will specify minimum permissible distances.
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