

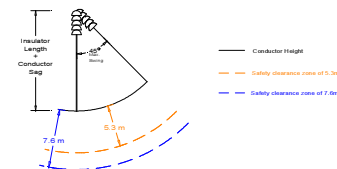
Profile Description:
This profile is derived from the use of LiDAR data and shows the position and status of the power line at the time of survey. Please note that ground levels may have changed since the survey date.

The profile states the lines current voltage. Any construction under the lines should allow for the likely possibility of upgrading of the line from 132kV to 275kV or 275kV to 400kV. Any permanent structures should adhere to the increased clearances.

Drawing Key:
The following clearances are derived from
the Energy Networks Association Technical
Specification 43-8.

Feature Description		
	Tower Base Ground / Loose Kevlar Personal Power Line Power Nervepile Loose Nervepile Power Line Nervepile Overlapping / Hot Scatter / Not Nervepile Roads Bridges Footpath/Ground/Track Motorways Railways Fence Wall Building Vegetation Power Line Crossings/Wires Street Furniture Power Line Crossing Structures Leisure Area Paving/Gravel / Individual Substation Telephony Object Impermeable Ground Points	
Item	Description of Clearance	Minimum Clearance (metres) at 400KV
1	To Ground	7.0
2	To Normal Road Surface	8.1
3	To road surface of designated 3.5 metre high 'load' routes	9.2
4	To motorway or other road surface where "skycrane" can be used	10.5
5	To motorway road surface where scaffolding is to be used on: (i) Normal 3 lane motorways (ii) Elevated 2 lane motorways	16.3 13.3
6	To any object/building on which a person may stand, including ladders, access platform, etc.	5.3
7	To any object to which access is not required AND on which a person cannot stand or lean a ladder	3.1
8	To trees under or adjacent to line and: (i) Unable to support ladder/climber (ii) Capable of supporting ladder/climber (iii) Trees falling towards line with line conductors hanging vertically only	3.1 5.3 3.1
9	To trees in orchards and hop gardens	5.3
10	To irrigators, slurry guns and high pressure hoses	30.0
11	To street lighting standards with: (i) Standard in normal upright position (ii) Standard falling towards line with line conductors hanging vertically only (iii) Standard falling towards line (iv) Standard falling towards line	4.0 4.0 1.9 1.9

The conductors may swing (blow-out) to a maximum of 45 Degrees during very strong winds, clearances need to be maintained for this situation.



Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA	
Title	Towers 4TB044 to 4TB045 Left - A603 Right - A604 Chainage 16845 to 16846 Survey Date: 17/05/2017

Site			4TB Pelham - Wymondley Main		A0
Originator Drawing Number			28_NG_0170		CAD
NGT Drawing Number			4TB001A-074_13714_A	Sheet No. 45	No. of Sheets 74
SCALE:			NGT Project No.		A