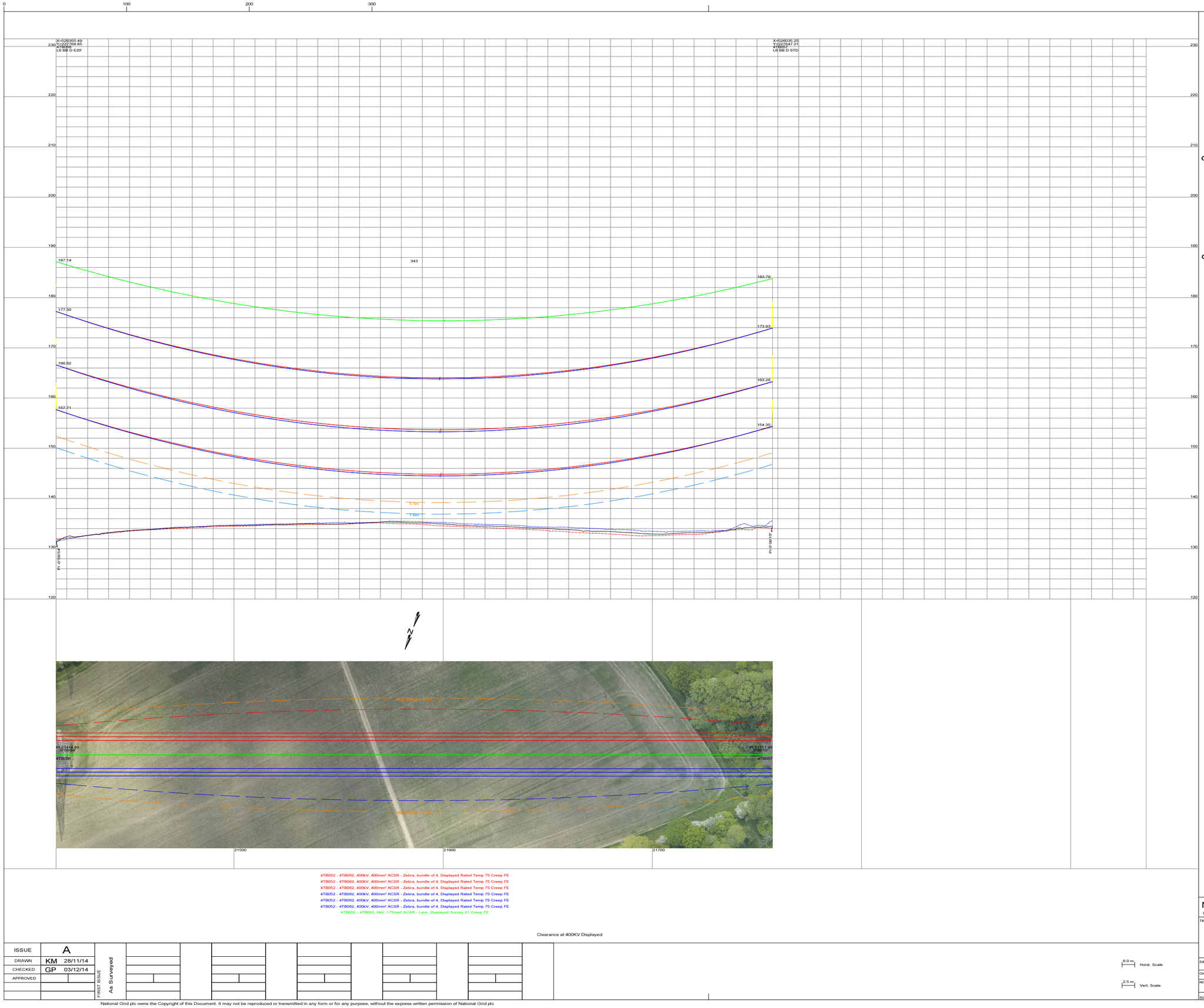


4TB052 - 4TB062, 400kV, 400mm² ACSR - Zebra, bundle of 4, Displayed Rated Temp 75 Creep FE
4TB052 - 4TB062, 400kV, 400mm² ACSR - Zebra, bundle of 4, Displayed Rated Temp 75 Creep FE
4TB052 - 4TB062, 400kV, 400mm² ACSR - Zebra, bundle of 4, Displayed Rated Temp 75 Creep FE
4TB052 - 4TB062, 400kV, 400mm² ACSR - Zebra, bundle of 4, Displayed Rated Temp 75 Creep FE
4TB052 - 4TB062, 400kV, 400mm² ACSR - Zebra, bundle of 4, Displayed Rated Temp 75 Creep FE
4TB052 - 4TB062, 400kV, 400mm² ACSR - Zebra, bundle of 4, Displayed Rated Temp 75 Creep FE
4TB052 - 4TB062, 0kV, 175mm² ACSR - Lynx, Displayed Survey 21 Creep FE

Clearance at 400KV Displayed

ISSUE	A		
DRAWN	KM 28/11/14		
CHECKED	GP 03/12/14		
APPROVED			
		FIRST ISSUE	As Surveyed

6.0 m Horiz. Scale

2.5 m Vert. Scale

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National Grid Overhead Line Profiles

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.

As the amount of power increases in the lines the conductors heat up and become longer, creating greater sag. A computer model has been applied to show the conductor at the maximum rated temperature. Please note that on an average day the conductors may not be at rated temperature and their height above ground is likely to change.

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.

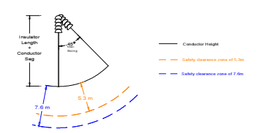
It remains the responsibility of the third party to ensure the safety clearances are met by their proposed operations by using the bottom conductor attachment points as reference benchmarks.

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

Feature Description
- Tower Base
- Ground / Model Key Points
- Parallel Power Lines
- River Navigable
- Lake Navigable
- Pond Not Navigable
- Swimming Pool
- Stream Not Navigable
- Roads
- Bridges
- Footpath/Sidewalk/Track
- Motorways
- Railways
- Fence
- Wall
- Building
- Vegetation
- Power Line Crossings Wires
- Street Furniture
- Power Line Crossing Structures
- Leisure Area
- Processing Plant / Industrial
- Substation
- Temporary Object
- Interpolated Ground Points

Item	Description of Clearance	Minimum Clearance (metre) at 400kV
1	To Ground	7.6
2	To Normal Road Surface	8.1
3	To road surface of designated "6.1 metres high load" routes	9.2
4	To motorway or other road surface where "skycradle" 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	4.0 4.0 1.9

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



National Grid plc — UK Transmission
Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

Title
Towers 4TB056 to 4TB057
Left - A603 Right - A602
Chainage 21415 to 21757
Survey Date: 17/05/14

Site	4TB Pelham - Wymondley Main		A0 CAD ISSUE
Originator Drawing Number	28_NG_0170		
NGT Drawing Number	4TB001A-074_13714_A	Sheet No. 57 / No. of Sheets 74	A
SCALE:-	NGT Project No.		

Plotted 17/09/2015 09:33:23