



NOTES:

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical areas with line of sight from a mast of the specified height to LD4, taking into account topography, principal woodlands and buildings.

A digital surface model (DSM) has been derived from LiDAR 10m DTM height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 7.5m and woodland an assumed height of 15m, representing a conservative estimate of average heights within the study area.

Modelling has taken account of the following siting factors:

- a mast may be sited within woodland, but a line of sight is not maintained through woodland; and
- a mast may not be sited on buildings.

The modelling includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 10m2 resolution.

KEY:

 Equinix LD4 Data Centre

 LD4 20km Radius (Area of search)

Zone of Theroetical Visibility (ZTV)

 No line of sight for mast up to 50m

 Theoretical line of sight for mast up to 50m



ISSUE	DATE	DESCRIPTION	DRAWN	CHECKED
v1	27.03.25	---	MH	JT
v2	19.05.25	Graphical Adjustment	MH	JT

CLIENT:	Ratesu Ltd		
PROJECT:	Phoenix Park		
DRAWING:	Site Selection: Line of Sight	1:125000	
NUMBER:	51689-XX-E0-09	A2	
ISSUE:	v2	19.05.25	