



Legend

Indicative Red Line Boundary

© Copyright Information
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

P3	17-08-21	RSB	SG	SG
Issue	Date	By	Chkd	Appd

ARUP

GILLESPIES

13 Fitzroy Street
London W1T 4BQ
Tel +44 20 7636 1531 Fax +44 20 7580 3924
www.arup.com

Client

Buckingham Group Contracting Ltd

Job Title

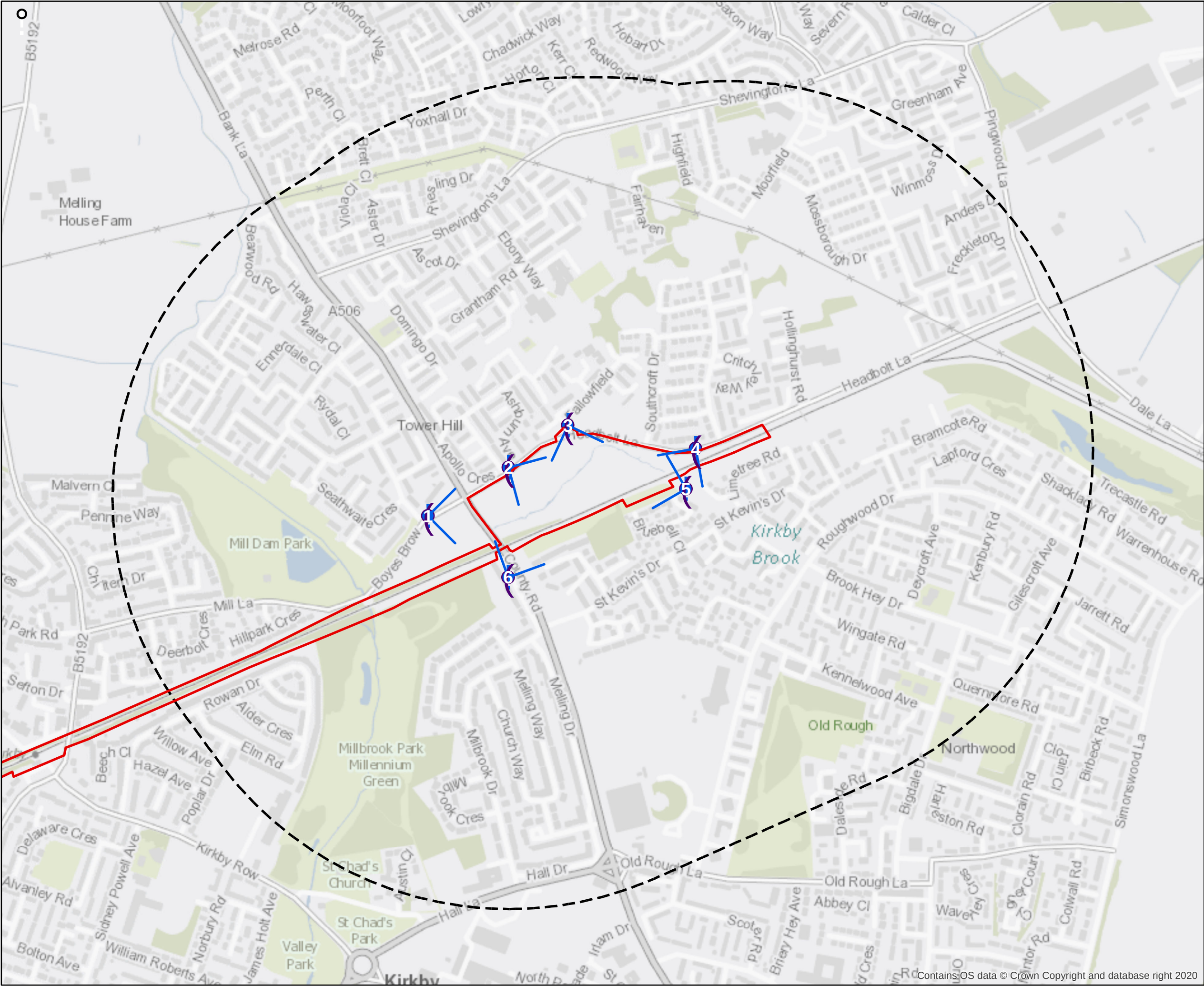
Headbolt Lane New Station

Figure 8.1
Proposed Station and Car Park Site

Scale at A3

1:3,000

Job No	Drawing Status	Issue
P20566	Issue	
Drawing No	Issue	
P20566-00-002-GIL-0611	P3	



Legend

- Indicative Red Line Boundary
- Study Area
- Viewpoint

© Copyright Information

P3	17-08-21	RSB	SG	SG
----	----------	-----	----	----

Issue	Date	By	Chkd	Appd
-------	------	----	------	------

Metres

0

100

200

400

ARUP

GILLESPIES

13 Fitzroy Street
London W1T 4BQ
Tel +44 20 7636 1531 Fax +44 20 7580 3924
www.arup.com

Client

Buckingham Group Contracting Ltd

Job Title

Headbolt Lane New Station

Figure 8.2
Study Area and Viewpoint
Location Plan

Scale at A3

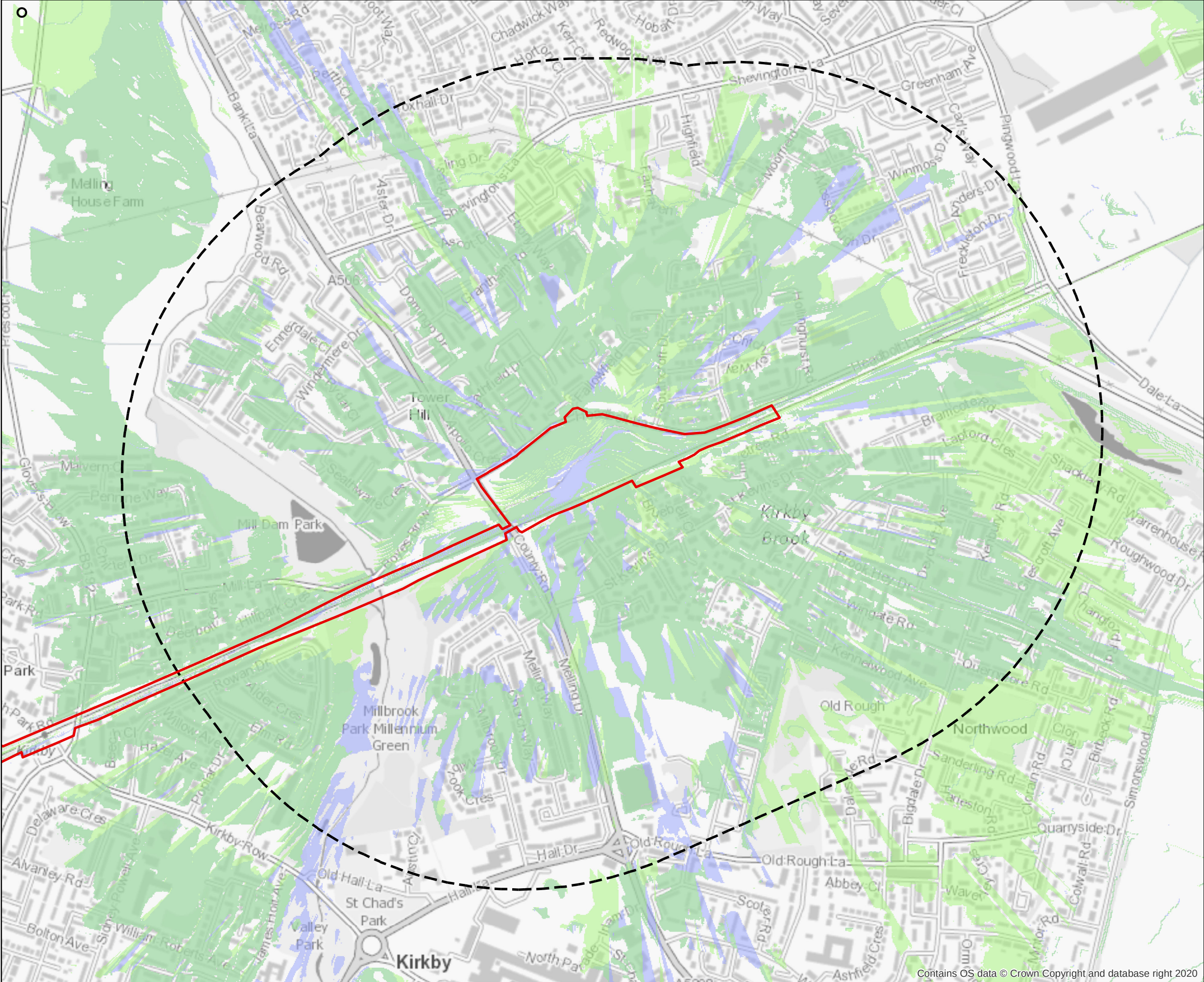
1:7,500

Job No	Drawing Status
P20566	Issue

Drawing No	Issue
P20566-00-002-GIL-0605	P3

Contains OS data © Crown Copyright and database right 2020

© Arup



Legend

Indicative Red Line Boundary

Study Area

Station Visibility:

Not Visible

Visible

Car Park Lighting Visibility:

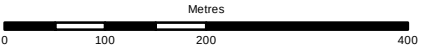
Not Visible

Visible

Station & Lighting Visible

© Copyright Information
ZTV created using LIDAR DTM 2m data provided by DEFRA available under the Open Government licence v3.0
© Crown Copyright 2020

P3	17-08-21	RSB	SG	EP
Issue	Date	By	Chkd	Appd



ARUP GILLESPIES

13 Fitzroy Street
London W1T 4BQ
Tel +44 20 7636 1531 Fax +44 20 7580 3924
www.arup.com

Client
Buckingham Group Contracting Ltd

Job Title
Headbolt Lane New Station

**Figure 8.3
Bare Earth ZTV**

Scale at A3
1:7,500

Job No P20566	Drawing Status Issue
Drawing No P20566-00-002-GIL-0607	Issue P3

O



Legend

Indicative Red Line Boundary

© Copyright Information
Viewshed created using terrain and building data from Google Earth Pro

P3	17-08-21	RSB	SG	SG
Issue	Date	By	Chkd	Appd

ARUP GILLESPIES

13 Fitzroy Street
London W1T 4BQ
Tel +44 20 7636 1531 Fax +44 20 7580 3924
www.arup.com

Client
Buckingham Group Contracting Ltd

Job Title
Headbolt Lane New Station

Figure 8.4
Google Earth Station Viewshed

Scale at A3
Not to scale

Job No P20566	Drawing Status Issue
Drawing No P20566-00-002-GIL-0602	Issue P3

O



Legend

Indicative Red Line Boundary

© Copyright Information
Viewshed created using terrain and building data from Google Earth Pro

P3	17-08-21	RSB	SG	SG
Issue	Date	By	Chkd	Appd

ARUP GILLESPIES

13 Fitzroy Street
London W1T 4BQ
Tel +44 20 7636 1531 Fax +44 20 7580 3924
www.arup.com

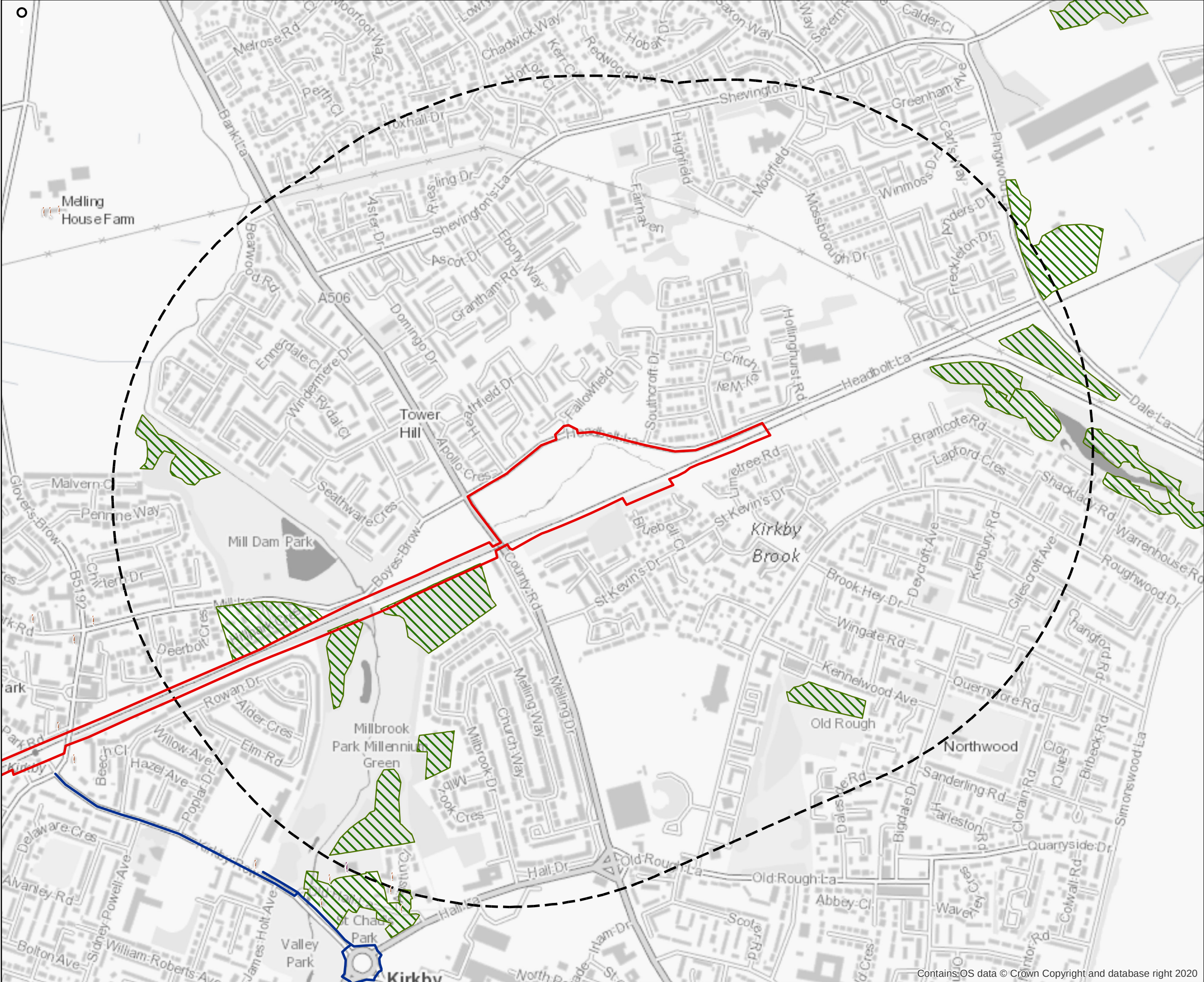
Client
Buckingham Group Contracting Ltd

Job Title
Headbolt Lane New Station

Figure 8.5
Google Earth Car Park
Lighting Viewshed

Scale at A3
Not to scale

Job No P20566	Drawing Status Issue
Drawing No P20566-00-002-GIL-0604	Issue P3



Legend

Indicative Red Line Boundary

Study Area

Listed Building Grade:

| II

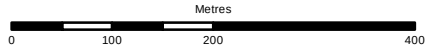
| II*

National Forest Inventory

National Cycle Network

© Copyright Information
Natural England Open Data

P3	17-08-21	RSB	SG	SG
Issue	Date	By	Chkd	Appd



ARUP **GILLESPIES**

13 Fitzroy Street
London W1T 4BQ
Tel +44 20 7636 1531 Fax +44 20 7580 3924
www.arup.com

Client
Buckingham Group Contracting Ltd

Job Title
Headbolt Lane New Station

Figure 8.6
Landscape Designations Plan

Scale at A3
1:7,500

Job No P20566	Drawing Status Issue
Drawing No P20566-00-002-GIL-0609	Issue P3



Legend

Indicative Red Line Boundary

Study Area

National Character Area:

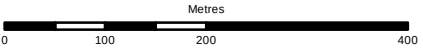
Lancashire and Amounderness Plain

Merseyside Conurbation

© Copyright Information
Natural England Open Data

P3	17-08-21	RSB	SG	SG
----	----------	-----	----	----

Issue	Date	By	Chkd	Appd
-------	------	----	------	------



ARUP

GILLESPIES

13 Fitzroy Street
London W1T 4BQ
Tel +44 20 7636 1531 Fax +44 20 7580 3924
www.arup.com

Client

Buckingham Group Contracting Ltd

Job Title

Headbolt Lane New Station

Figure 8.7
National Character Areas

Scale at A3

1:7,500

Job No	Drawing Status	Issue
P20566	Issue	
Drawing No		
P20566-00-002-GIL-0608		P3