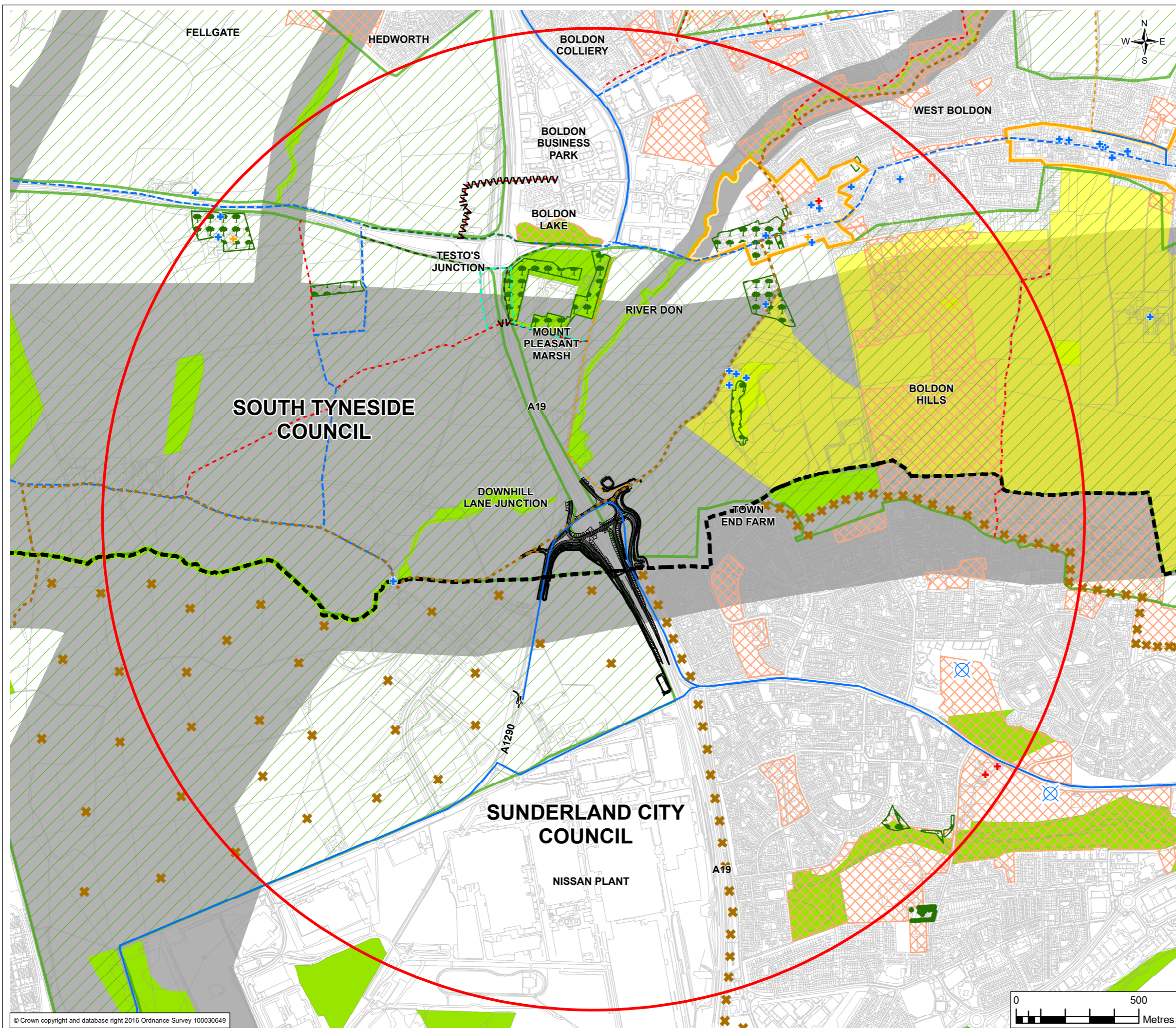


FIGURE 8.1



- Legend**
- 2km Study Area
 - Preliminary Design
 - Local Authority Boundary
 - Existing Footpath
 - Existing Bridleway
 - Existing Cycleway
 - Proposed Cycleway (Local Plan)
 - Recreational Trial (GNFHT)
 - Testo's Permanent Bridleway Diversion
 - Testo's Permanent Footpath Diversion
 - Testo's New Non-Motorised User Route
 - Testo's Public Right of Way (PROW) Closure
 - Area of High Landscape Value or Landscape Significance (EA1, DM7/8)
 - Conservation Area (EA1, DM6, SPDs 10-20)
 - Green Belt (CN2/3/4/5, EA1, DM5/7/8, SA4/7/10/11)
 - ✕ Trees / Woodland (CN16, B1)
 - Recreational Open Space - Culture, Leisure, Education (L1/2/3/4/5/6/7/8/9, B3, SC6, SA2/4/6/7/8/9/11)
 - Tree Preservation Order**
 - Individual
 - Group
 - ⊗ Important Panoramic Views (CN13/14)
 - Local Wildlife Site (LWS) or Candidate Local Wildlife Site (cLWS) (CN21, EA1/3, DM7/8)
 - Wildlife Corridor (CN23, EA3, DM7)
 - + Grade I Listed Building
 - + Grade II* Listed Building
 - + Grade II Listed Building

- Note:**
1. Extent of Great North Forest and related policies not shown.
 2. Policies correct as of October 2018 and have not been updated to take account of Testo's Junction.
 3. The Ordnance Survey background displayed in this drawing has been modified to show the neighbouring Testo's and IAMP One consented schemes. This reflects the most likely baseline scenario for the opening year of the Downhill Lane scheme.

0	JAN 19	Application Issue	LT	JP	JP	GW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd



Client **highways england**

Project **A19 DOWNHILL LANE JUNCTION IMPROVEMENT**

Drawing Title **LANDSCAPE RELATED PLANNING POLICY AND DESIGNATIONS**

Drawing Status **DCO SUBMISSION**

Scale @ A3 **1:15,000** DO NOT SCALE

Jacobs No. **B0140301**

Drawing No. **B0140301_DLJ_ES_0801**

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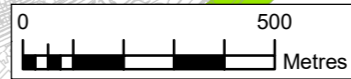
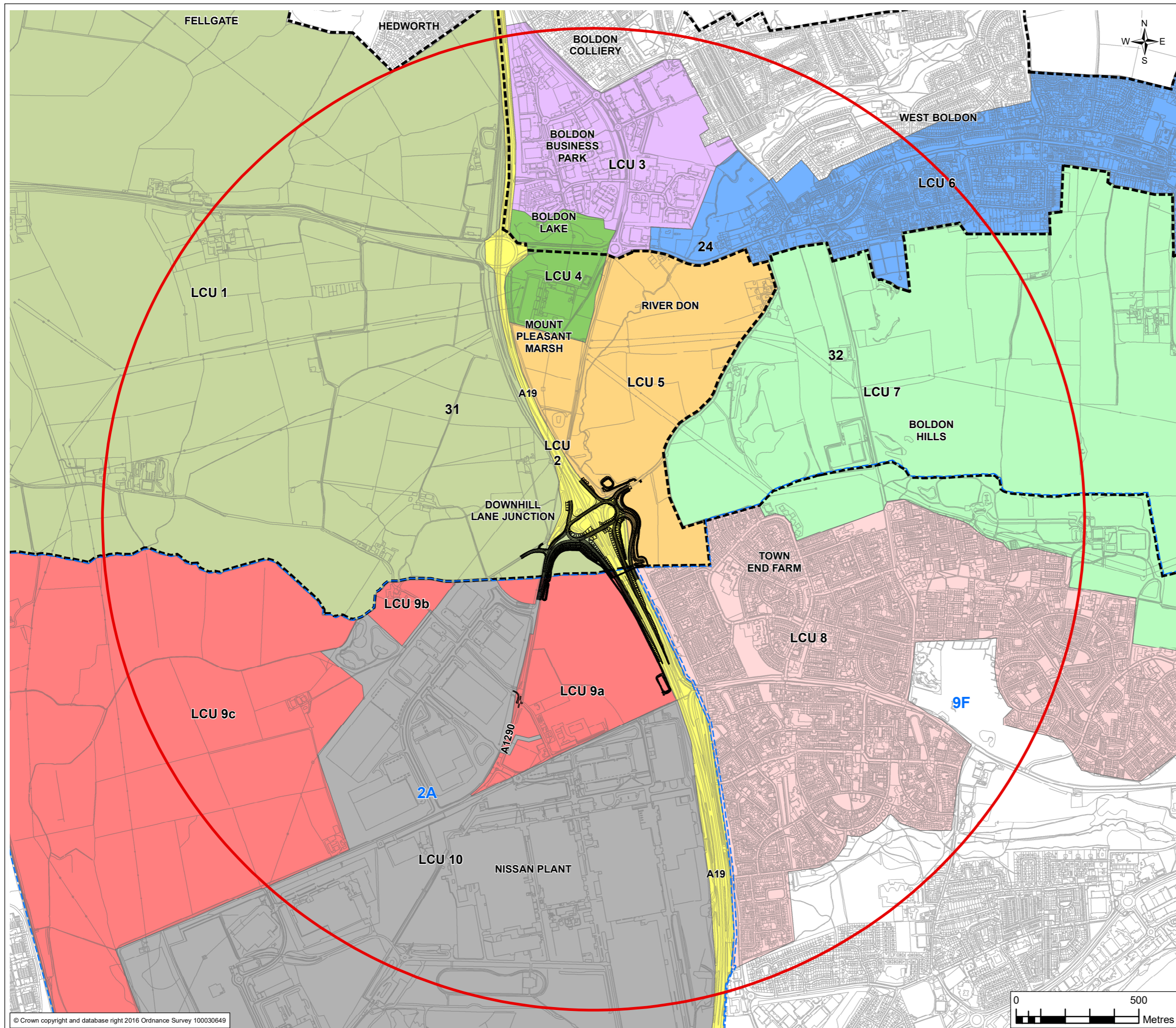


FIGURE 8.2



Legend

- 2km Study Area
 - Preliminary Design
- City of Sunderland Landscape Character Assessment 2015**
- 2A Coalfield Lowland Terraces - Usworth Lowland
 - 9F Urban Limestone Plateau - Hylton Castle, Downhill and Castleton
- South Tyneside Landscape Character Study - Part I Landscape Character Assessment March 2012**
- 24 (Urban) The Boldons
 - 31 (Urban Fringe) Boldon Fell
 - 32 (Urban Fringe) Boldon Downhill
- Local Character Units (Landscape)**
- LCU 1 - Western Lowland Agricultural Land
 - LCU 2 - A19 Vegetated Corridor
 - LCU 4 - Boldon Ecological Wetlands
 - LCU 5 - River Don Scrubby Farmland
 - LCU 7 - Downhill Elevated Farmland
 - LCU 9a, b and c - Usworth Lowland
- Local Character Units (Urban)**
- LCU 3 - Boldon Business Park Complex
 - LCU 6 - West Boldon Elevated Urban Centre
 - LCU 8 - Town End Farm Residential Edge
 - LCU 10 - Nissan Plant

The Ordnance Survey background displayed in this drawing has been modified to show the neighbouring Testo's and IAMP One consented schemes. This reflects the most likely baseline scenario for the opening year of the Downhill Lane scheme.

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Client: **highways england**

Project: **A19 DOWNHILL LANE JUNCTION IMPROVEMENT**

Drawing Title: **LANDSCAPE CHARACTER**

Drawing Status: **DCO SUBMISSION**

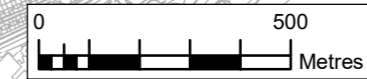
Scale @ A3: **1:15,000** **DO NOT SCALE**

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Client No.: **B0140301_DLJ_ES_0802**

Drawing No.: **B0140301_DLJ_ES_0802**

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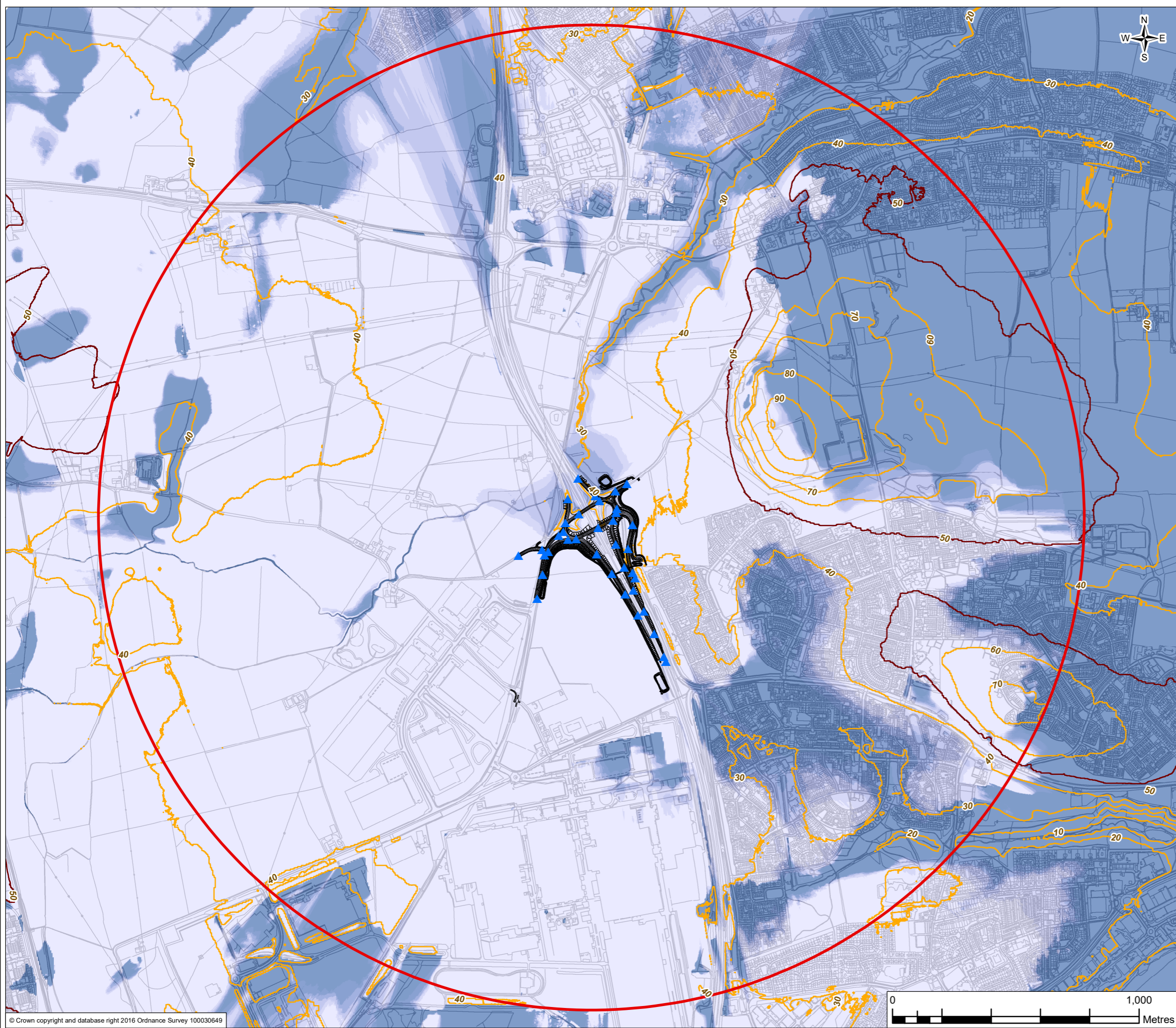
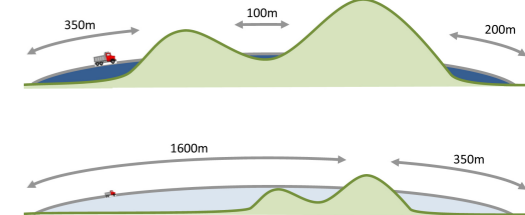


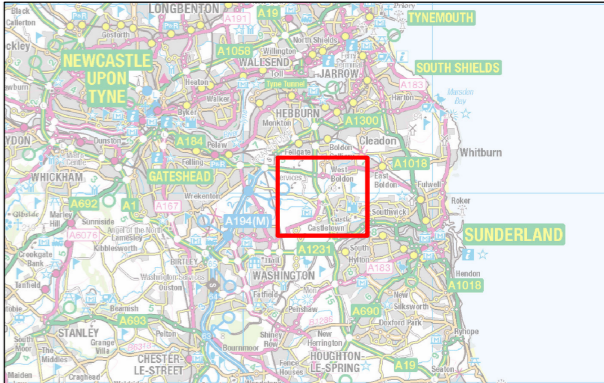
FIGURE 8.3A

- Legend**
- Preliminary Design
 - 2km Study Area
 - 10m Contour
 - 50m Contour
- Zone of Theoretical Visibility (ZTV) - 4.5m tall HGV every 100m on scheme mainline**
- ▲ ZTV Target Point
 - Not visible
 - 0.1m - 500m
 - 500m - 1,000m
 - 1,001m - 1,500m
 - 1,501m - 2,000m
 - Over 2,000m of route visible

Notes: based on OS height and 3D design information. Refer to Appendix 8.1 for full methodology.



The Ordnance Survey background displayed in this drawing has been modified to show the neighbouring Testo's and IAMP One consented schemes. This reflects the most likely baseline scenario for the opening year of the Downhill Lane scheme.



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 JUNCTION IMPROVEMENT**

Drawing Title
**VISUAL APPRAISAL
 ZONE OF THEORETICAL VISIBILITY
 (4.5m TALL HGV TRAFFIC ON MAIN LINE)**

Drawing Status
DCO SUBMISSION

Scale @ A3
 1:15,000 DO NOT SCALE

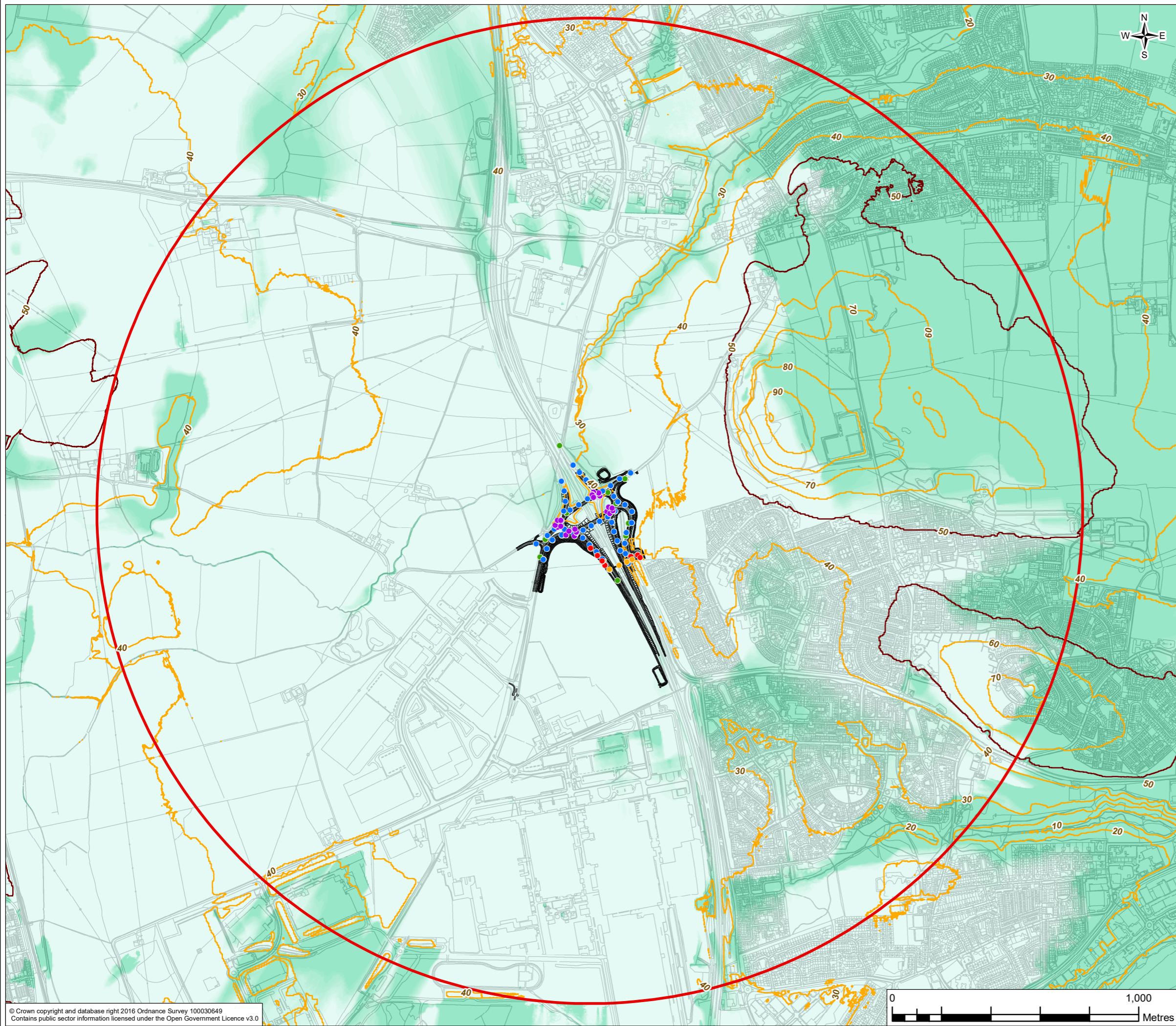
Jacobs No. B0140301

Client No.

Drawing No. B0140301_DLJ_ES_0803A

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FIGURE 8.3B



Legend

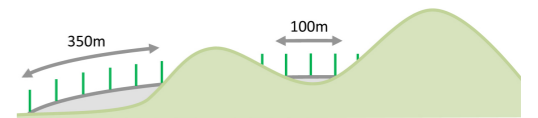
- Preliminary Design
- 2km Study Area
- 10m Contour
- 50m Contour

Zone of Theoretical Visibility (ZTV) - Lighting columns, traffic lights, tops of signs, footbridge truss and ramp parapet

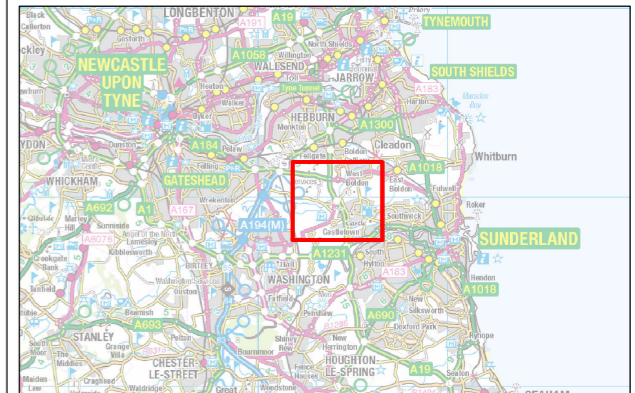
- Ramp parapet (1.8m parapet)
- Lighting column (12m)
- Sign (up to 7m)
- Traffic Light (4-6m)
- Footbridge Truss (4.05m)

- | | |
|--------------|-------------|
| None visible | 40 - 50 |
| 1 - 10 | 50 - 60 |
| 10 - 20 | 60 - 70 |
| 20 - 30 | 70 - 80 |
| 30 - 40 | All visible |

Notes: based on OS height and 3D design information. Refer to Appendix 8.1 for full methodology.



The Ordnance Survey background displayed in this drawing has been modified to show the neighbouring Testo's and IAMP One consented schemes. This reflects the most likely baseline scenario for the opening year of the Downhill Lane scheme.



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Drawing Title: **VISUAL APPRAISAL ZONE OF THEORETICAL VISIBILITY (LIGHTING, FOOTBRIDGE AND SIGNAGE)**

Drawing Status: **DCO SUBMISSION**

Scale @ A3: **1:15,000** DO NOT SCALE

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Client No.: **B0140301_DLJ_ES_0803B**

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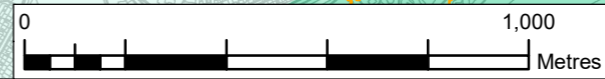
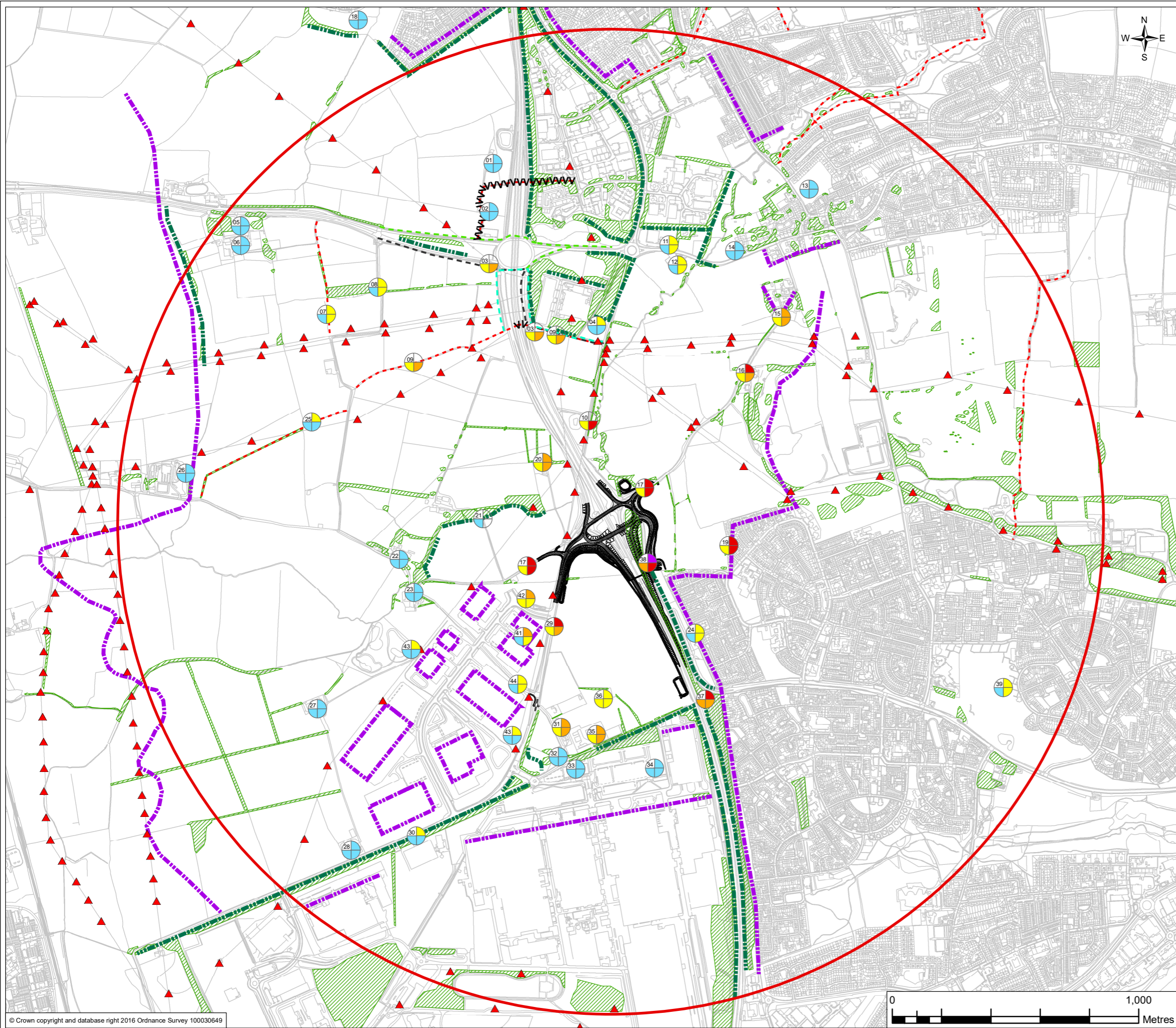


FIGURE 8.3C



Legend

- Preliminary Design
- 2km Study Area
- ▲ Visual Detractor
- - Footpath
- - Testo's Permanent Bridleway Diversion
- - Testo's Permanent Footpath Diversion
- - Testo's New Non-Motorised User Route
- W Testo's Public Right of Way (PROW) Closure
- Visual Barrier - Vegetation
- Visual Barrier - Landform/ Building

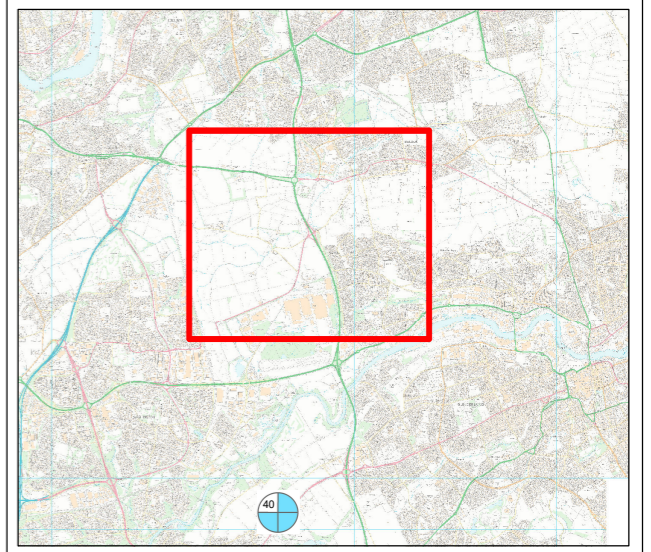
Visual Receptor

- Very Large Adverse Effect
- Large Adverse Effect
- Moderate Adverse Effect
- Slight Adverse Effect
- Neutral Effect
- Not Assessed

Receptor Reference

2020-21 winter
summer 2036
2021 winter





The Ordnance Survey background displayed in this drawing has been modified to show the neighbouring Testo's and IAMP One consented schemes. This reflects the most likely baseline scenario for the opening year of the Downhill Lane scheme.



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Drawing Title			VISUAL APPRAISAL			
Drawing Status			DCO SUBMISSION			
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FIGURE 8.4

- Legend**
-  Preliminary Design
 -  2km Study Area
 -  Photo Location and Direction
 -  Photomontage Location and Field of View

Site Photographs and Photomontages are presented on subsequent figures, as described in the following notes:

Viewpoint description (for photographs see Figures 8.5 to 8.11)

- 01** Cycleway along A1290
- 02** Cycleway near Usworth Cottages
- 03** Downhill Lane near Hylton Bridge Farm
- 04** Footpath B27
- 05** Bridleway B46
- 06** Downhill Lane near properties on Lawn Drive
- 07** Swan Court, Hylton Castle

Photomontage description (for photomontages see Figures 8.12 to 8.19)

- PM01** Footbridge near Nissan site
- PM02** Downhill Lane
- PM03** Rear of properties on Baxter Square, along Town End Farm edge

The Ordnance Survey background displayed in this drawing has been modified to show the neighbouring Testo's and IAMP One consented schemes. This reflects the most likely baseline scenario for the opening year of the Downhill Lane scheme.

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Client 

Project **A19 DOWNHILL LANE JUNCTION IMPROVEMENT**

Drawing Title **PHOTO LOCATIONS**

Drawing Status **DCO SUBMISSION**

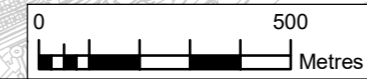
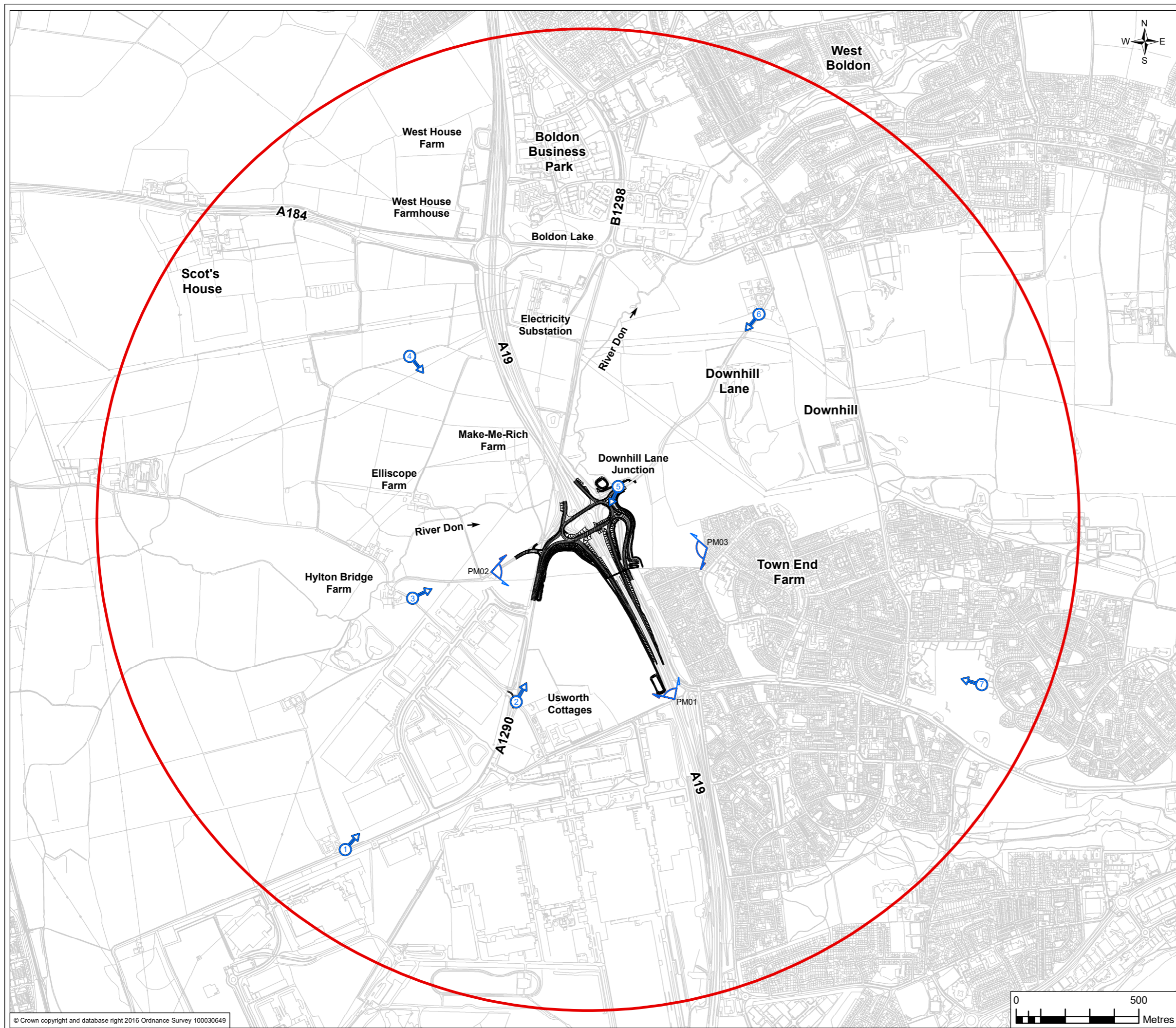
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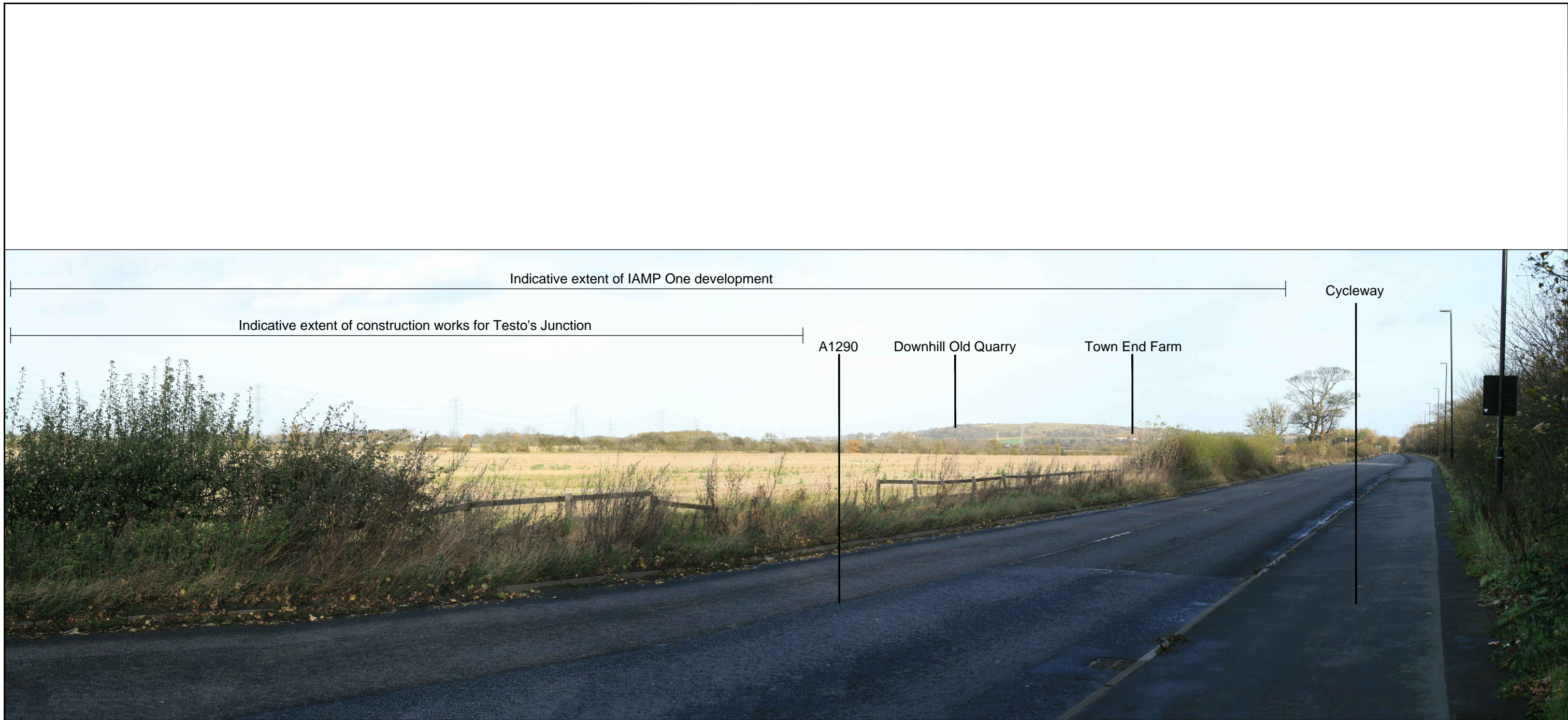


FIGURE 8.5

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Project
**A19 DOWNHILL LANE
 JUNCTION IMPROVEMENT**

Drawing title
**Viewpoint 1
 Cycleway along A1290**

Drawing status	DCO SUBMISSION	
Scale	NTS	DO NOT SCALE
Jacobs No.	B0140301	
Client no.		
Drawing number	B0140301_DLJ_ES_0805	Rev 0



FIGURE 8.6

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
0	JAN 19	APPLICATION ISSUE	HP	JP	JP	GW

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Project

**A19 DOWNHILL LANE
 JUNCTION IMPROVEMENT**

Drawing title

**Viewpoint 2
 Cycleway near Usworth Cottages**

Drawing status

DCO SUBMISSION

Scale

NTS DO NOT SCALE

Jacobs No.

B0140301

Drawing number

B0140301_DLJ_ES_0806

Rev

0



FIGURE 8.7

Rev	Rev. Date	Purpose of revision	Drawn	Checkd	Rev'd	Appr'd
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A19 DOWNHILL LANE
 JUNCTION IMPROVEMENT

Drawing title

Viewpoint 3
 Follingsby Lane near Hylton Bridge Farm

Drawing status

DCO SUBMISSION

Scale

NTS DO NOT SCALE

Jacobs No.

B0140301

Drawing number

B0140301_DLJ_ES_0807

Rev

0

Indicative extent of construction works for Testo's Junction

Indicative extent of IAMP One development

Downhill Farm complex

Downhill Old Quarry

A19

Town End Farm

Hylton Castle

Downhill Lane Junction

Elliscope Farm



FIGURE 8.8

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
0	JAN 19	APPLICATION ISSUE	HP	JP	JP	GW

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A19 DOWNHILL LANE
JUNCTION IMPROVEMENT

Drawing title

Viewpoint 4
Footpath B27

Drawing status

DCO SUBMISSION

Scale

NTS DO NOT SCALE

Jacobs No.

B0140301

Drawing number

B0140301_DLJ_ES_0808

Rev

0



FIGURE 8.9

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A19 DOWNHILL LANE
 JUNCTION IMPROVEMENT

Drawing title

Viewpoint 5
 Bridleway B46

Drawing status

DCO SUBMISSION

Scale

NTS DO NOT SCALE

Jacobs No.

B0140301

Drawing number

B0140301_DLJ_ES_0809

Rev

0



FIGURE 8.10

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A19 DOWNHILL LANE
 JUNCTION IMPROVEMENT

Drawing title

Viewpoint 6
 Downhill Lane near properties
 on Lawn Drive

Drawing status

DCO SUBMISSION

Scale

NTS DO NOT SCALE

Jacobs No.

B0140301

Client no.

Drawing number

B0140301_DLJ_ES_0810

Rev

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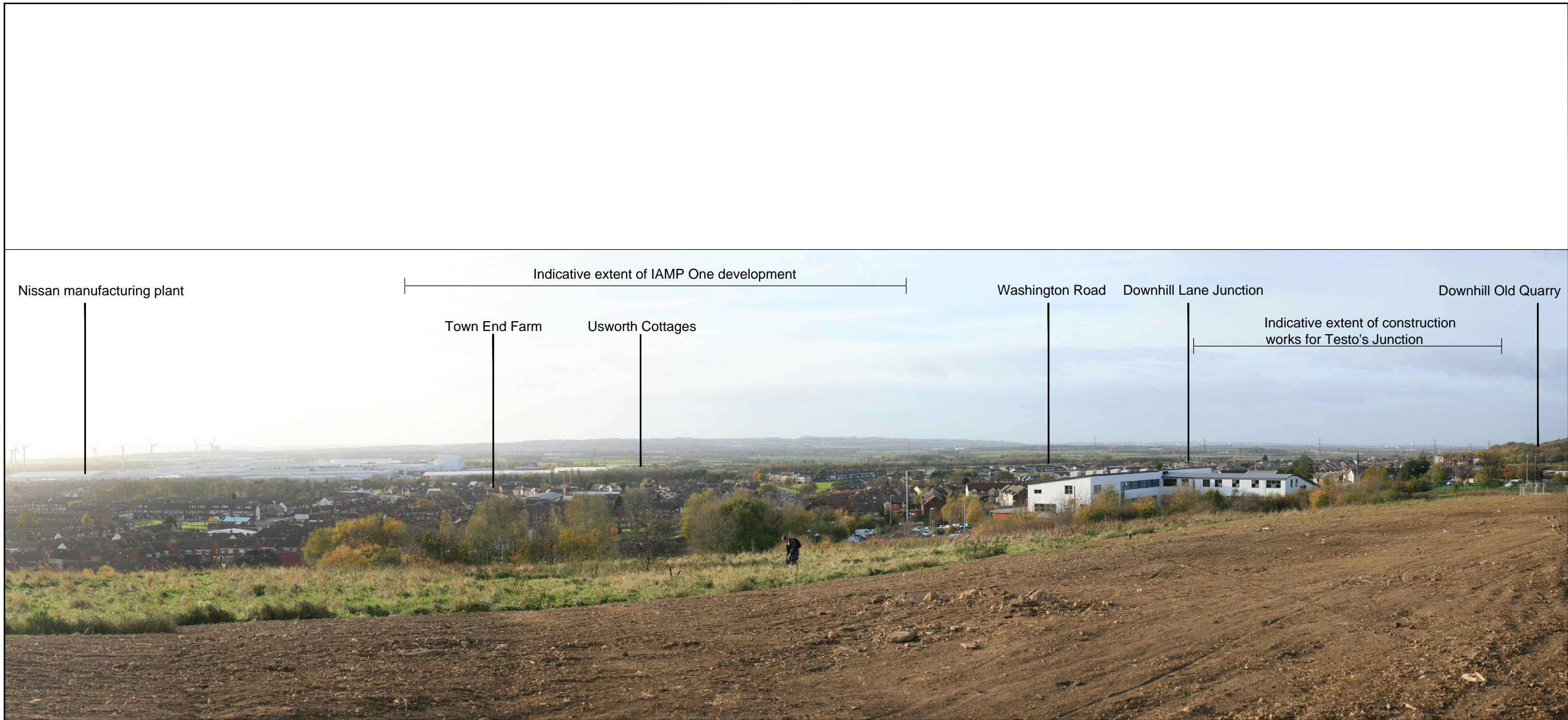


FIGURE 8.11

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A19 DOWNHILL LANE
 JUNCTION IMPROVEMENT

Drawing title

Viewpoint 7
 Swan Court, Hylton Castle

Drawing status

DCO SUBMISSION

Scale

NTS DO NOT SCALE

Jacobs No.

B0140301

Client no.

Drawing number

B0140301_DLJ_ES_0811

Rev

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Existing View - January 2017



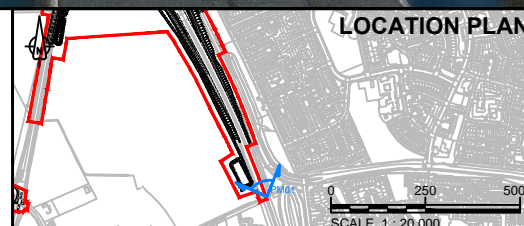
Photomontage - Winter opening year

FIGURE 8.12

PM01 - View north from Washington road footbridge

OS grid Reference: 434536,559102
 Viewpoint ground elevation: 42m
 Camera height above ground level: 1.50m
 Camera type: Canon EOS 5D MARK II
 Camera lens size: 50mm
 Aperture: f/9

Shutter speed: 1/200
 Field of view: 87.5°
 Principal distance: 25cm @ A3 (image height 120mm)
 Date of photograph: 18.01.2017
 Time of photograph: 13:00
 Lighting conditions: Moderate to good, grey/cloudy



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 A19 DOWNHILL LANE JUNCTION IMPROVEMENT

Drawing title		PHOTOMONTAGE PM01	
		OPENING YEAR	
Drawing status		DCO SUBMISSION	
Scale	NTS	DO NOT SCALE	
Jacobs No.	B0140301		
Client no.			
Drawing number	B0140301_DLJ_ES_0812		Rev
			0



Existing View - September 2017



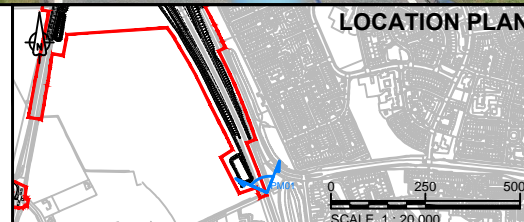
Photomontage - Summer future year

FIGURE 8.13

PM01 - View north from Washington Road footbridge

OS grid Reference: 434539,559105
 Viewpoint ground elevation: 31m
 Camera height above ground level: 1.50m
 Camera type: Canon EOS 5D MARK II
 Camera lens size: 50mm
 Aperture: f/9

Shutter speed: 1/400
 Field of view: 87.5°
 Principal distance: 25cm @ A3 (image height 120mm)
 Date of photograph: 14.09.2017
 Time of photograph: 12.05
 Lighting conditions: Good



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 A19 DOWNHILL LANE JUNCTION IMPROVEMENT

Drawing title		PHOTOMONTAGE PM01	

		FUTURE YEAR	
Drawing status		DCO SUBMISSION	
Scale	NTS	DO NOT SCALE	
Jacobs No.	B0140301		
Client no.			
Drawing number	B0140301_DLJ_ES_0813		Rev
			0

Indicative extent of A19 Testo's junction improvement scheme



Existing View - January 2017



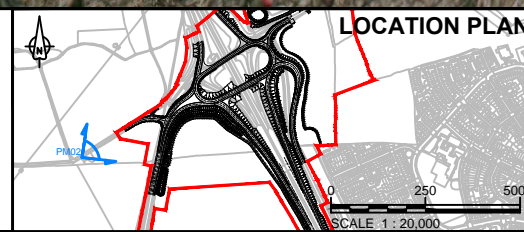
Photomontage - Winter opening year

FIGURE 8.14

PM02: View east from field entrance along Downhill Lane

OS grid Reference: 433777,559599
 Viewpoint ground elevation: 37m
 Camera height above ground level: 1.50m
 Camera type: Canon EOS 5D MARK II
 Camera lens size: 50mm
 Aperture: f/9

Shutter speed: 1/100
 Field of view: 87.5°
 Principal distance: 25cm @ A3 (image height 120mm)
 Date of photograph: 18.01.2017
 Time of photograph: 13:35
 Lighting conditions: Moderate to good, grey/cloudy



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Project
 A19 DOWNHILL LANE JUNCTION IMPROVEMENT

Drawing title		PHOTOMONTAGE PM02	

		OPENING YEAR	
Drawing status		DCO SUBMISSION	
Scale	NTS	DO NOT SCALE	
Jacobs No.	B0140301		
Client no.			
Drawing number	B0140301_DLJ_ES_0814		Rev
			0

Indicative extent of A19 Testos junction improvement scheme



Existing View - September 2017



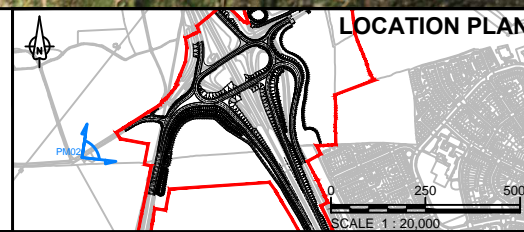
Photomontage - Summer future year

FIGURE 8.15

PM02: View east from field entrance along Downhill Lane

OS grid Reference: 433779,559601
 Viewpoint ground elevation: 33m
 Camera height above ground level: 1.50m
 Camera type: Canon EOS 5D MARK II
 Camera lens size: 50mm
 Aperture: f/9

Shutter speed: 1/200
 Field of view: 87.5°
 Principal distance: 25cm @ A3 (image height 120mm)
 Date of photograph: 14.09.2017
 Time of photograph: 13:10
 Lighting conditions: Good



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Project
 A19 DOWNHILL LANE JUNCTION IMPROVEMENT

Drawing title		PHOTOMONTAGE PM02	
Scale		DO NOT SCALE	
Drawing status		DCO SUBMISSION	
Client no.		B0140301	
Drawing number		B0140301_DLJ_ES_0815	
Rev		0	



Existing View - January 2017



Photomontage - Winter opening year

FIGURE 8.16

PM03: View looking west from properties on Baxter Square

OS grid Reference: 434665,559717
 Viewpoint ground elevation: 48m
 Camera height above ground level: 1.50m
 Camera type: Canon EOS 5D MARK II
 Camera lens size: 50mm
 Aperture: f/9

Shutter speed: 1/200
 Field of view: 87.5°
 Principal distance: 25cm @ A3 (image height 120mm)
 Date of photograph: 18.01.2017
 Time of photograph: 12:45
 Lighting conditions: Moderate/good, cloudy



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Project
 A19 DOWNHILL LANE JUNCTION IMPROVEMENT

Drawing title		PHOTOMONTAGE PM03	
Scale		DO NOT SCALE	
Drawing status		DCO SUBMISSION	
Client no.		B0140301	
Drawing number		B0140301_DLJ_ES_0816	
Rev		0	

Indicative extent of IAMP One development

Indicative extent of A19 Testos junction improvement scheme



Existing View - September 2017



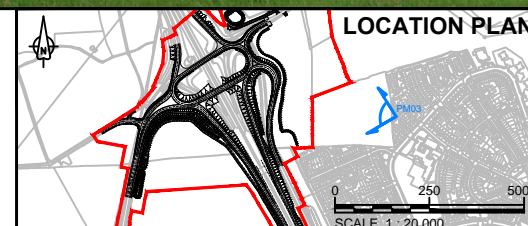
Photomontage - Summer future year

FIGURE 8.17

PM03: View looking west from properties on Baxter Square

OS grid Reference: 434667,559719
 Viewpoint ground elevation: 41m
 Camera height above ground level: 1.50m
 Camera type: Canon EOS 5D MARK II
 Camera lens size: 50mm
 Aperture: f/9

Shutter speed: 1/200
 Field of view: 87.5°
 Principal distance: 25cm @ A3 (image height 120mm)
 Date of photograph: 14.09.2017
 Time of photograph: 11:35
 Lighting conditions: Good



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Project
 A19 DOWNHILL LANE JUNCTION IMPROVEMENT

Drawing title		PHOTOMONTAGE PM03	

		FUTURE YEAR	
Drawing status		DCO SUBMISSION	
Scale	NTS	DO NOT SCALE	
Jacobs No.	B0140301		
Client no.			
Drawing number	B0140301_DLJ_ES_0817		Rev
			0