

A720 Sheriffhall Roundabout

DMRB Stage 2 Scheme Assessment

Part 2 - Environmental Assessment
Volume 2 – Figures

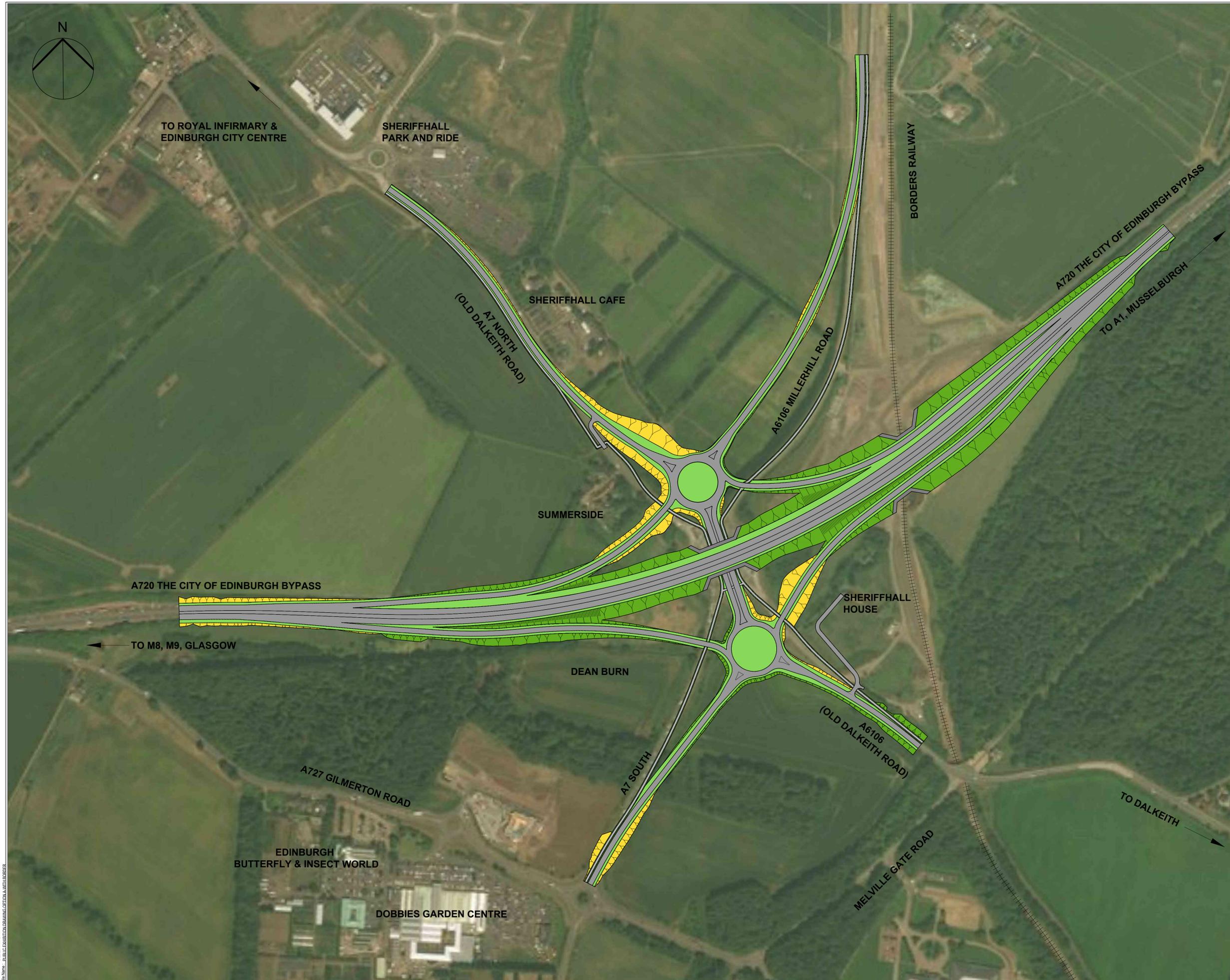
Transport Scotland

Project Number: 60470009

April 2017

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KEY

- AREAS OF CUT
- AREAS OF EMBANKMENT CONSTRUCTION

Revision Details	By	Check	Date	Suffix

Purpose of issue: **FOR INFORMATION**



Project Title:
A720 SHERIFFHALL ROUNDABOUT

Drawing Title:
AERIAL PLAN OF OPTION A

Designed	Drawn	Checked	Approved	Date
BM	BM	AM	ZM	28/03/2017

AECOM Internal Project No. 60470009
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Drawing Number	FIGURE 1.1	Rev	2
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TO ROYAL INFIRMARY & EDINBURGH CITY CENTRE

SHERIFFHALL PARK AND RIDE

SHERIFFHALL CAFE

A7 NORTH ROAD
(OLD DALKEITH ROAD)

A6106 MILLERHILL ROAD

BORDERS RAILWAY

A720 THE CITY OF EDINBURGH BYPASS
TO A1, MUSSELBURGH

SUMMERSIDE

A720 THE CITY OF EDINBURGH BYPASS

TO M8, M9, GLASGOW

SHERIFFHALL HOUSE

DEAN BURN

A6106
(OLD DALKEITH ROAD)

A7 SOUTH

TO DALKEITH

A727 GILMERTON ROAD

EDINBURGH BUTTERFLY & INSECT WORLD

DOBBIES GARDEN CENTRE

MELVILLE GATE ROAD

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KEY

AREAS OF CUT

AREAS OF EMBANKMENT CONSTRUCTION

Revision Details By Check Date Suffix

Purpose of Issue FOR INFORMATION



Project Title A720 SHERIFFHALL ROUNDABOUT

Drawing Title AERIAL PLAN OF OPTION B

Designed BM Drawn BM Checked AM Approved ZM Date 28/03/2017

AECOM Internal Project No. 60470009 Subtitle

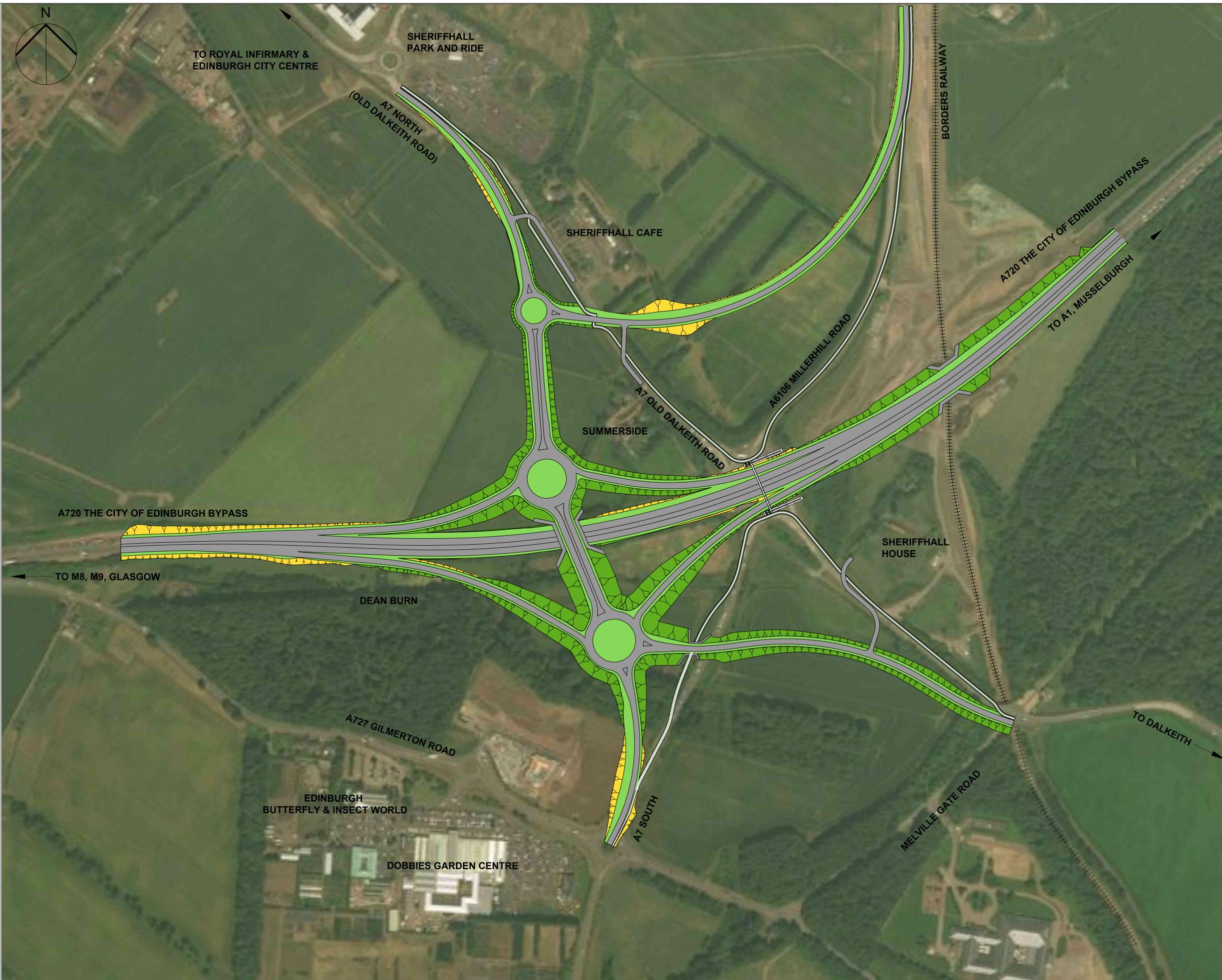
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KEY

- AREAS OF CUT
- AREAS OF EMBANKMENT CONSTRUCTION

Revision Details	By	Check	Date	Suffix

Purpose of Issue: **FOR INFORMATION**

Client:

Project Title: **A720 SHERIFFHALL ROUNDABOUT**

Drawing Title: **AERIAL PLAN OF OPTION C**

Designed	Drawn	Checked	Approved	Date
BM	BM	AM	ZM	28/03/2017

AECOM Internal Project No. 60470009

Scale @ A1 1:5,000

Subsidiary Zone

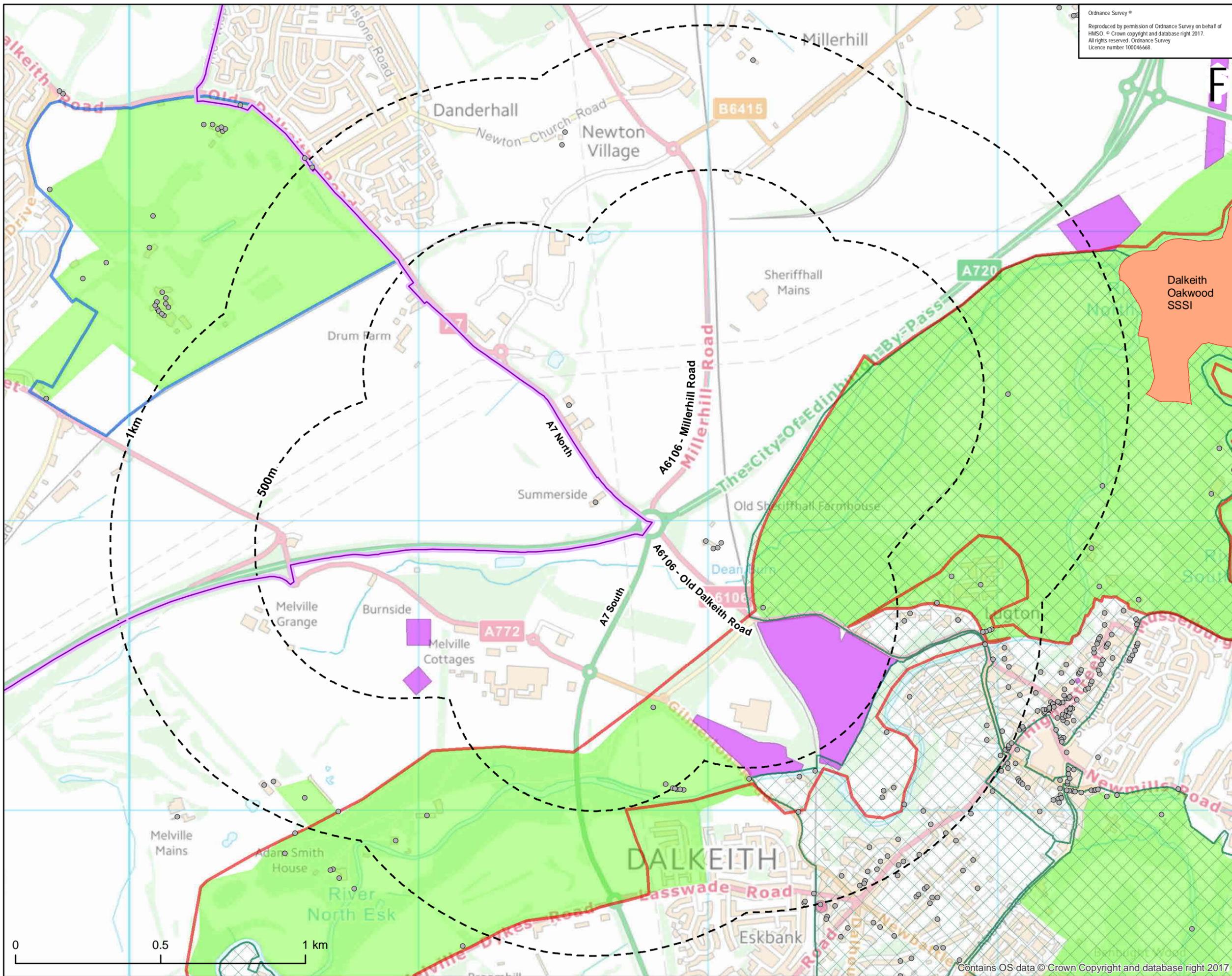
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FIGURE 1.3	2

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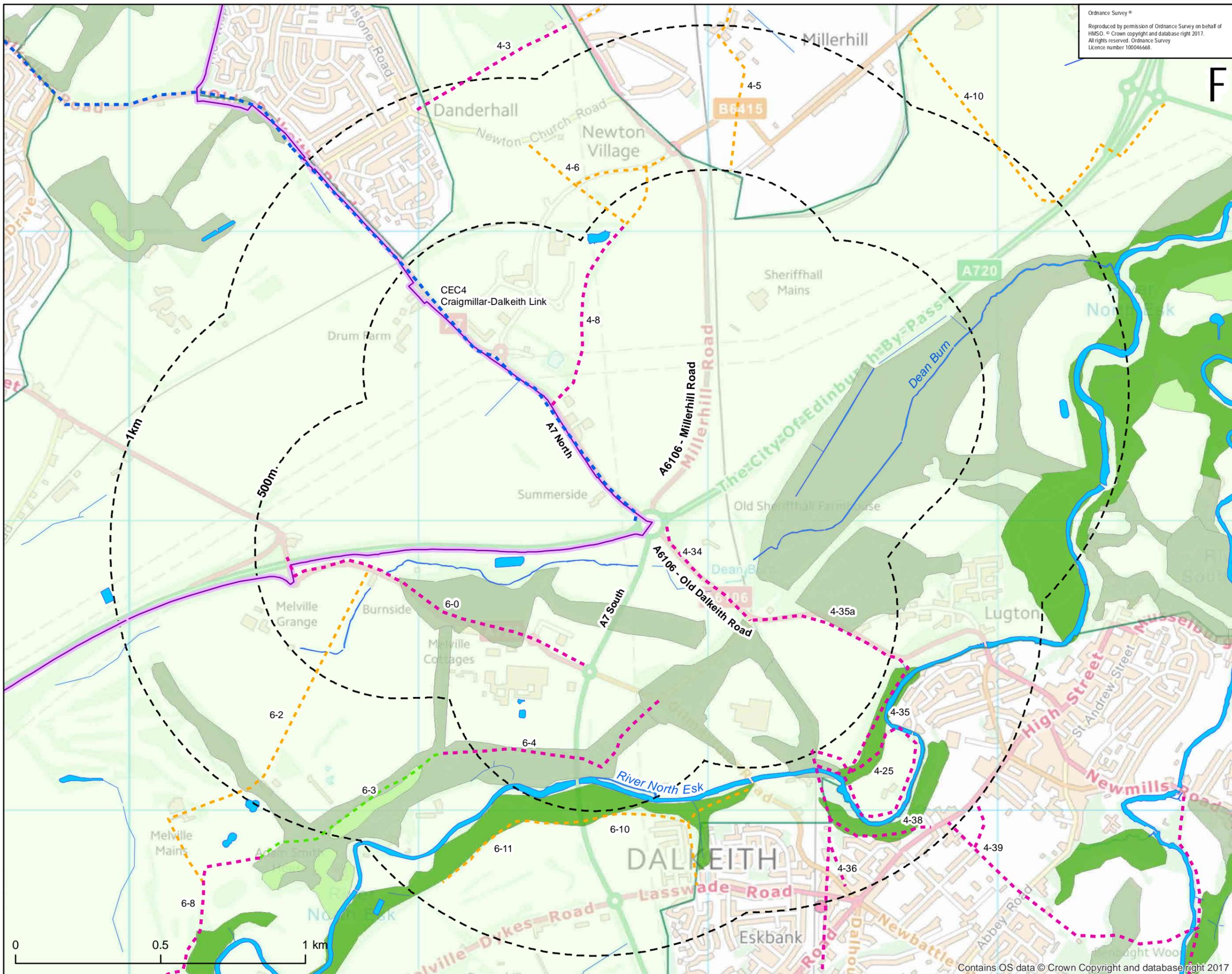
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KEY:

- Study Area
- Listed Buildings
- Site of Special Scientific Interest (SSSI)
- North Esk Valley Special Landscape Area (SLA)
- The Drum Special Landscape Area (SLA)
- Conservation Areas
- Scheduled Monuments
- Gardens and Designed Landscapes
- Council Boundary

Revision Details				
Purpose of Issue				
FOR INFORMATION				
Client				
				
Project Title				
A720 SHERIFFHALL ROUNDABOUT				
Drawing Title				
KEY ENVIRONMENTAL CONSTRAINTS (SHEET 1 OF 2)				
Designed BM	Drawn BM	Checked AM	Approved ZM	Date
				28/03/2017
AECOM Internal Project No.			Suitability	
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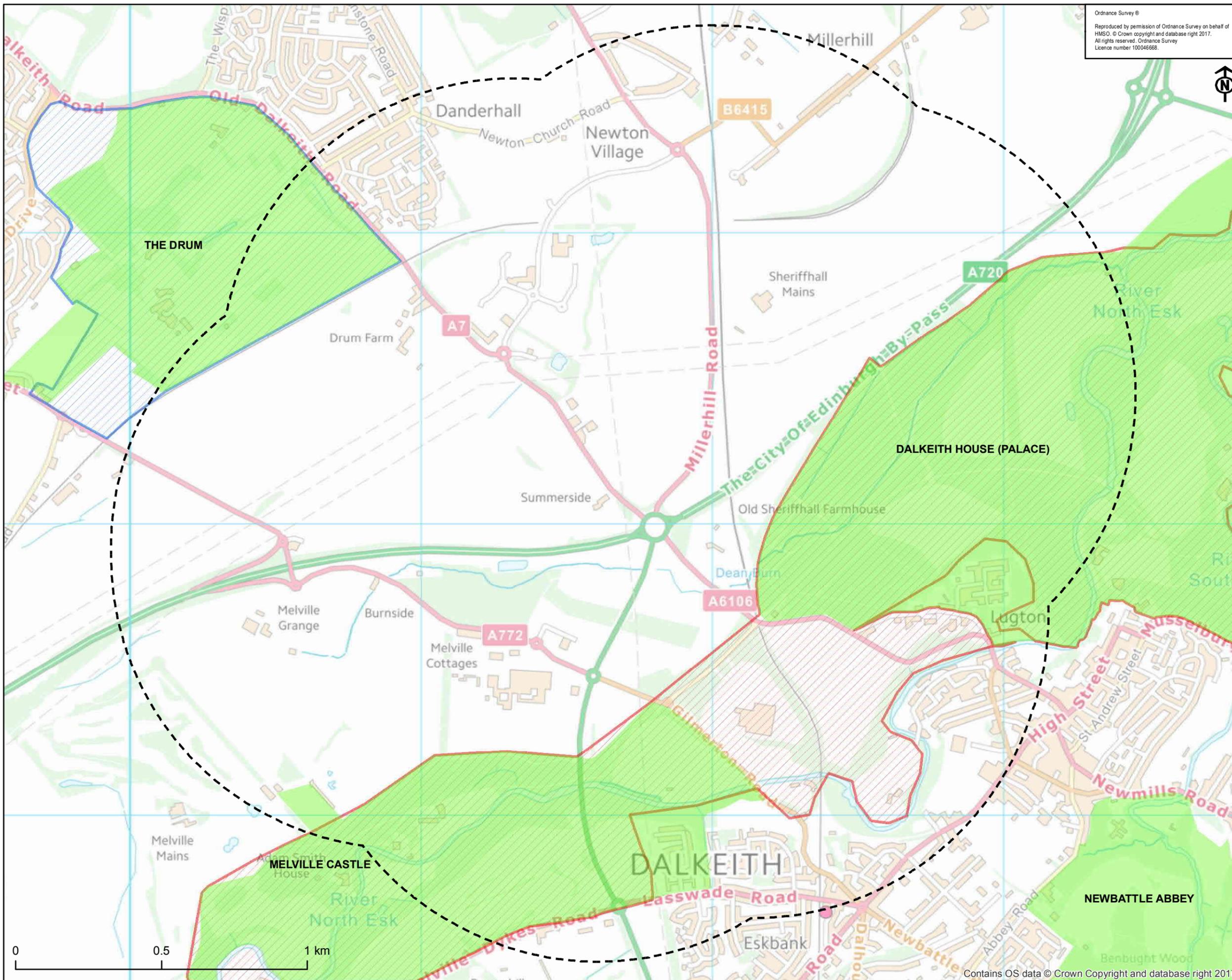
KEY:

- Study Area
- Surface Water
- Edinburgh City Council Core Paths
- Midlothian Council Core Paths
- Midlothian Council Aspirational Core Paths
- Midlothian Council Other Paths

Ancient woodland

- Ancient (of semi-natural origin)
- Long-Established (of plantation origin)
- Other (on Roy map)
- Greenbelt
- Council Boundary

Revision Details				
Purpose of Issue				
FOR INFORMATION				
Client				
 TRANSPORT SCOTLAND				
Project Title				
A720 SHERIFFHALL ROUNDABOUT				
Drawing Title				
KEY ENVIRONMENTAL CONSTRAINTS (SHEET 2 OF 2)				
Designed BM	Drawn BM	Checked AM	Approved ZM	Date 28/03/2017
AECOM Internal Project No. 60470009			Sustainability	
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KEY:

- 1km Study Area
- Gardens and Designed Landscapes (GDL)
- North Esk Valley Special Landscape Area (SLA)
- The Drum Special Landscape Area (SLA)

Revision Details

No	Date	By	Rev

Purpose of Issue
FOR INFORMATION

Client

Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
LANDSCAPE DESIGNATIONS

Designed	Drawn	Checked	Approved	Date
BM	BM	AM	ZM	17/03/2017
AECOM Internal Project No. 60470009		Suitability -		
Scale @ A3 1:12,000		Zone -		

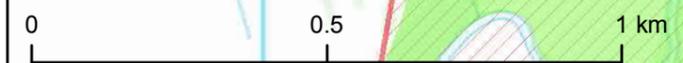
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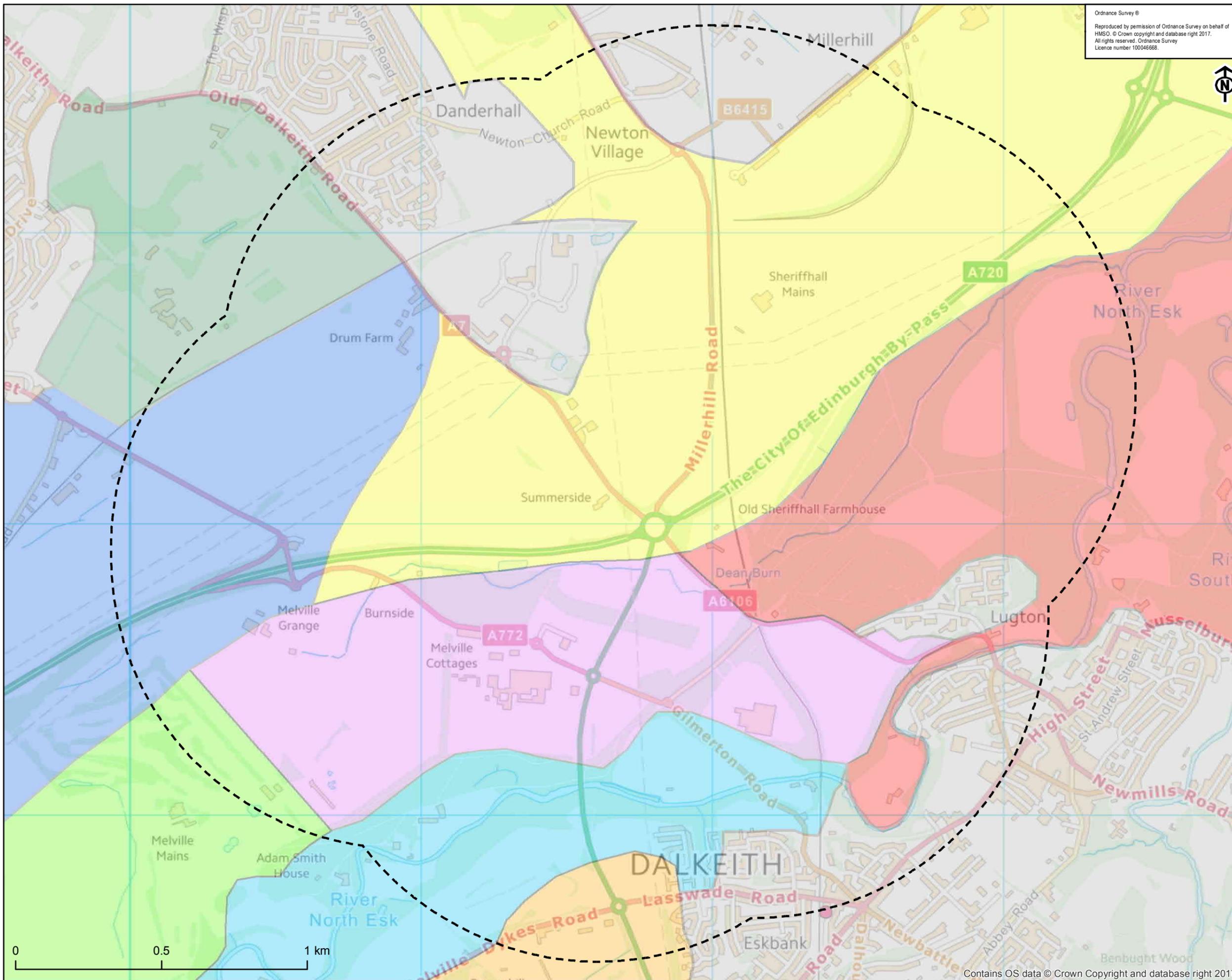
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KEY:

⊖ 1km Study Area

Landscape Character Areas (Based on the Edinburgh Green Belt: Landscape Character Assessment, Final Report, December 2008):

- Burdiehouse Farmland LCA within Rolling Farmland LCT
- Dalkeith Palace LCA within Policy Landscape LCT
- Danderhall Settled Farmland LCA within Lowland Farmland LCT
- Drum Estate Landscape LCA within Policy Farmland LCT
- Edgefield LCA within Settled Farmland LCT
- Melville North Esk Valley LCA within Policy Landscape LCT
- Melville Nurseries LCA within Settled Farmland LCT
- South Melville LCA within Settled Farmland LCT
- Urban

LCA: Landscape Character Area
 LCT: Landscape Character Type

Revision Details	By	Date	Scale
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Purpose of Issue
FOR INFORMATION

Client


Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
LANDSCAPE CHARACTER

Designed BM	Drawn BM	Checked AM	Approved ZM	Date 17/03/2017
AECOM Internal Project No. 60470009			Suitability -	Zone -
Scale @ A3 1:12,000				

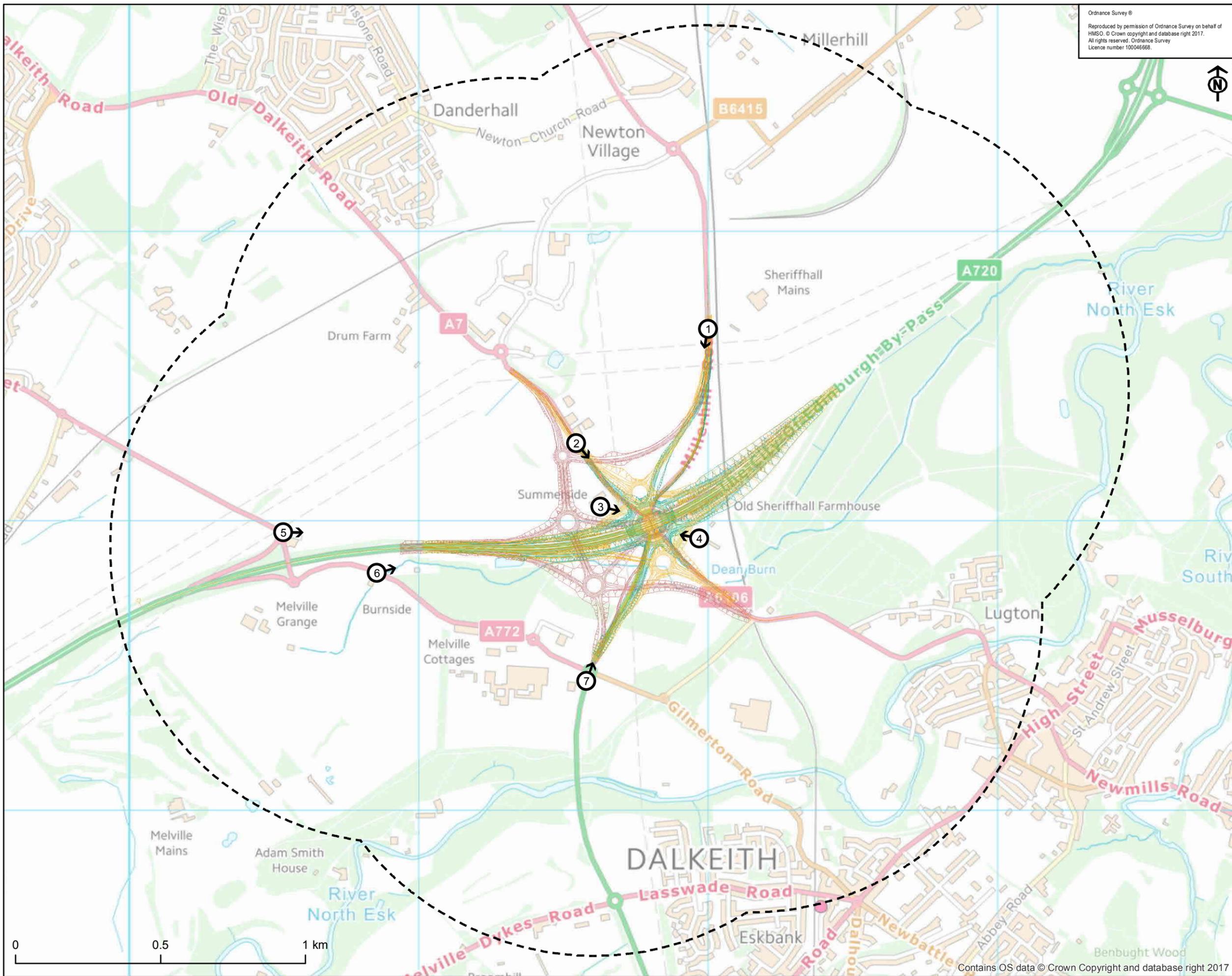
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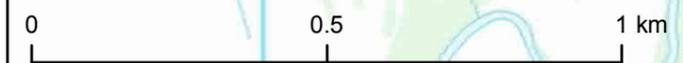
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KEY:

- 1km Study Area
- Viewpoints Locations
- Site Layout Option A
- Site Layout Option B
- Site Layout Option C

Revision Details				
Purpose of Issue				
FOR INFORMATION				
Client				
				
Project Title				
A720 SHERIFFHALL ROUNDABOUT				
Drawing Title				
FIG 2.3 VIEWPOINT LOCATIONS				
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FIGURE 2.3				1





Existing view

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PROJECT: A720 Sheriffhall
Roundabout Improvement
CLIENT: Transport Scotland

OS reference: 332000 668663
Distance to Proposal: 0m
Camera: Canon EOS 5D Mk2

Lens: 50mm (Canon EF 50mm f/1.8)
Date: 29/05/15 Confirmed 23/01/17
Paper size: A3

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PROJECT NUMBER: 60470009
FIGURE 2.4.1
VIEWPOINT: Viewpoint 1 Sheriffhall Mains



Existing view

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PROJECT: A720 Sheriffhall
Roundabout Improvement
CLIENT: Transport Scotland

OS reference: 331546 668269
Distance to Proposal: c. 10m
Camera: Canon EOS 5D Mk2

Lens: 50mm (Canon EF 50mm f/1.8)
Date: 29/05/15 Confirmed 23/01/17
Paper size: A3

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FIGURE 2.4.2

VIEWPOINT: Viewpoint 2 Campend



Existing view

This image provides landscape and visual context only

PROJECT: A720 Sheriffhall
Roundabout Improvement
CLIENT: Transport Scotland

OS reference: 331629 668049
Distance to Proposal: c. 30m
Camera: Canon EOS 5D Mk2

Lens: 50mm (Canon EF 50mm f/1.8)
Date: 29/05/15 Confirmed 23/01/17
Paper size: A3

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FIGURE 2.4.3

VIEWPOINT: Viewpoint 3. Summerside



Existing view

This image provides landscape and visual context only

PROJECT: A720 Sheriffhall
Roundabout Improvement
CLIENT: Transport Scotland

OS reference: 331970 667938
Distance to Proposal: c. 10m
Camera: Canon EOS 5D Mk2

Lens: 50mm (Canon EF 50mm f/1.8)
Date: 29/05/15 Confirmed 23/01/17
Paper size: A3

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FIGURE 2.4.4

VIEWPOINT: Viewpoint 4. Old Sheriffhall



Existing view

This image provides landscape and visual context only

PROJECT: A720 Sheriffhall
Roundabout Improvement
CLIENT: Transport Scotland

OS reference: 330533 667960
Distance to Proposal: c. 400m
Camera: Canon EOS 5D Mk2

Lens: 50mm (Canon EF 50mm f/1.8)
Date: 23/01/17
Paper size: A3

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FIGURE 2.4.5

VIEWPOINT: Viewpoint 5. Melville Cotages



Existing view

This image provides landscape and visual context only

PROJECT: A720 Sheriffhall
Roundabout Improvement
CLIENT: Transport Scotland

OS reference: 330856 667820
Distance to Proposal: c. 100m
Camera: Canon EOS 5D Mk2

Lens: 50mm (Canon EF 50mm f/1.8)
Date: 29/05/15 Confirmed 23/01/17
Paper size: A3

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FIGURE 2.4.6

VIEWPOINT: Viewpoint 6. Burnside



Existing view

This image provides landscape and visual context only

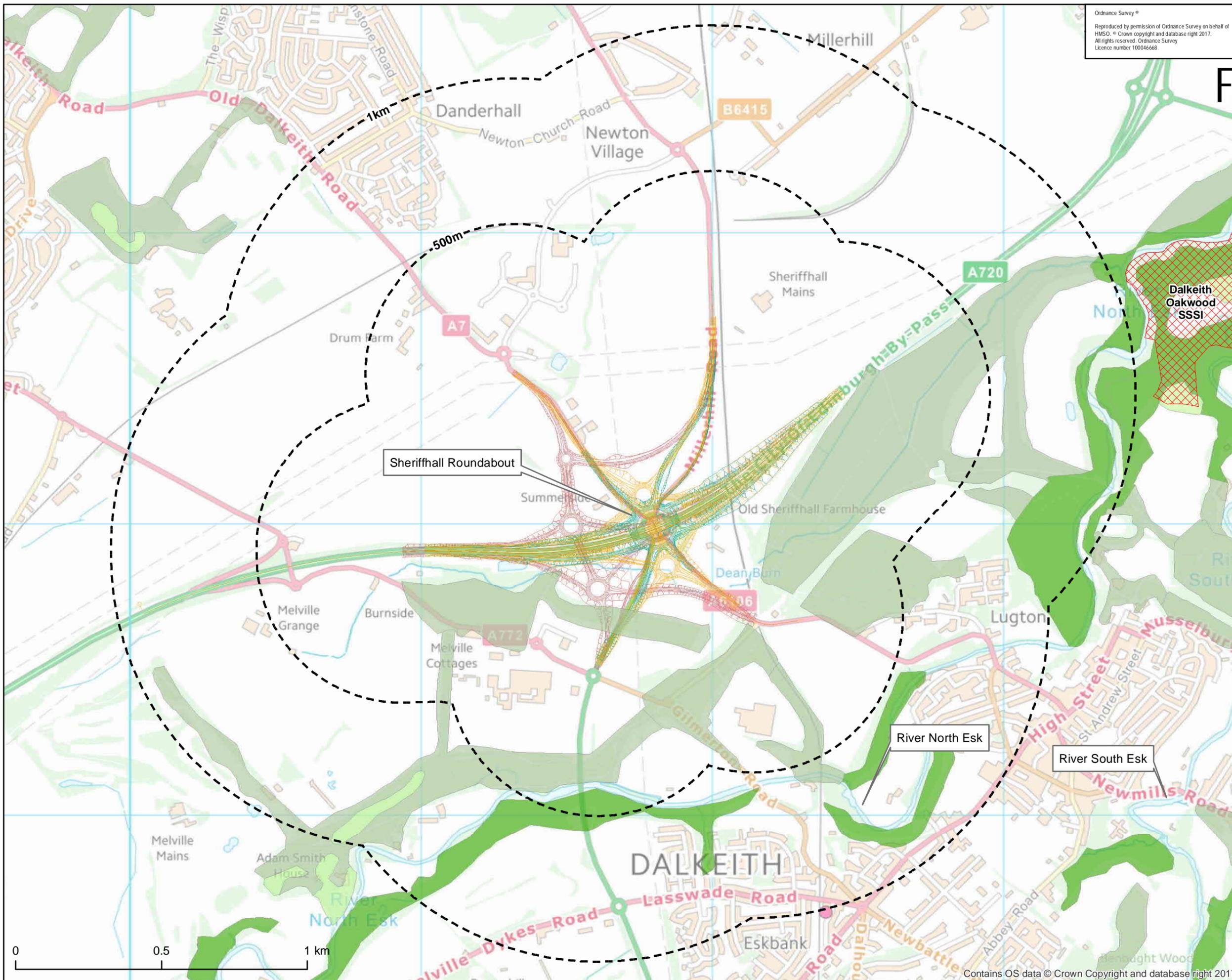
PROJECT: A720 Sheriffhall Roundabout Improvement
CLIENT: Transport Scotland

OS reference: 331580 667447
Distance to Proposal: c. 200m
Camera: Canon EOS 5D Mk2

Lens: 50mm (Canon EF 50mm f/1.8)
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PROJECT NUMBER: 60470009
FIGURE: 2.4.7
VIEWPOINT: Viewpoint 7. Melville Nurseries



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KEY:

- Study Area
- Site of Special Scientific Interest (SSSI)
- Site Layout Option A
- Site Layout Option B
- Site Layout Option C

Ancient woodland

- Ancient (of semi-natural origin)
- Long-Established (of plantation origin)
- Other (on Roy map)

Revision Details	By	Date	Scale
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Purpose of Issue
FOR INFORMATION

Client

Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
**DESIGNATED AREAS OF
 CONSERVATION INTEREST**

Designed BM	Drawn BM	Checked AM	Approved ZM	Date 28/03/2017
AECOM Internal Project No. 60470009			Sustainability	
Scale @ A3 1:12,000			Zone	

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Drawing Number FIGURE 3.1	Rev 3
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KEY:

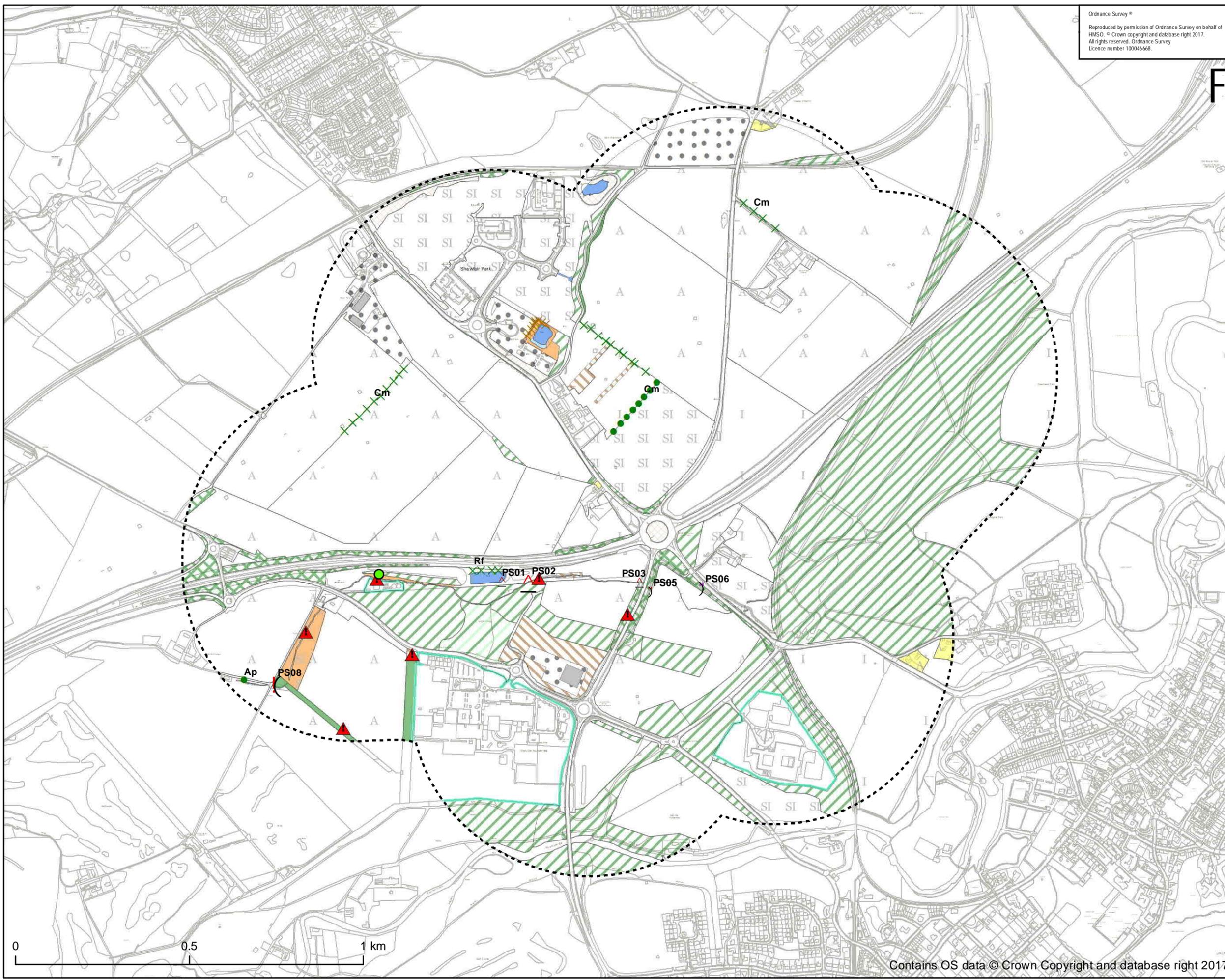
Study Area -

Protected species

- Dead badger
- Badger dropping
- Tree with bat roost potential
- Otter lie-up
- Otter spraint site
- Potential Squirrel Drey

Phase 1 codes

- A2.2 Scattered scrub
- A3.1 Scattered broadleaf tree
- J1.4 Scattered introduced shrub
- Giant hogweed
- A1.1.1 Broadleaved semi-natural woodland
- A1.1.2 Broadleaved plantation woodland
- A1.3.2 Mixed plantation woodland
- A2.1 Dense scrub
- B2.2 Semi-improved neutral grassland
- B4 Improved grassland
- B6 Species poor semi-improved grassland
- C3.1 Tall ruderal
- F2.1 Marginal vegetation
- G1/G2 Standing/running water
- J1.1 Arable
- J1.2 Amenity
- J1.4 Introduced shrub
- J3.6 Building
- J4 Bare ground
- Other



Revision Details

Purpose of Issue
FOR INFORMATION

Client

Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
**EXTENDED PHASE 1
 HABITAT SURVEY**

Designed BM	Drawn BM	Checked AM	Approved ZM	Date 29/03/2017
AECOM Internal Project No. 60470009			Sustainability	
Scale @ A3 1:10,000		Zone		

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Drawing Number
FIGURE 3.2

Rev
4

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- KEY:
- Site Layout Option A
 - Listed Buildings Cat A
 - Listed Buildings Cat B (within 1km)
 - Listed Buildings Cat C (within 1km)
 - ▭ Scheduled Monuments
 - ▭ Conservation Areas
 - ▭ Gardens and Designed Landscapes

Historic Land-use Assessment (Within 1km):

- ▭ Designed Landscape
- ▭ Agriculture and Settlement
- ▭ Built-up Area
- ▭ Leisure and Recreation
- ▭ Rural Settlement
- ▭ Spiritual and Ritual
- ▭ Transport
- ▭ Woodland and Forestry

East Lothian Historic Environment Record (Within 500m):

- ◆ Monument Points
- ▭ Monument Areas
- ▭ Event Areas

Revision Details	By	Date	Scale
------------------	----	------	-------

Purpose of Issue
FOR INFORMATION

Client


Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
**LOCATION OF CULTURAL
 HERITAGE ASSETS: OPTION A**

Designed BM	Drawn BM	Checked AM	Approved ZM	Date 29/03/2017
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AECOM Internal Project No.
60470009

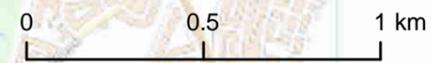
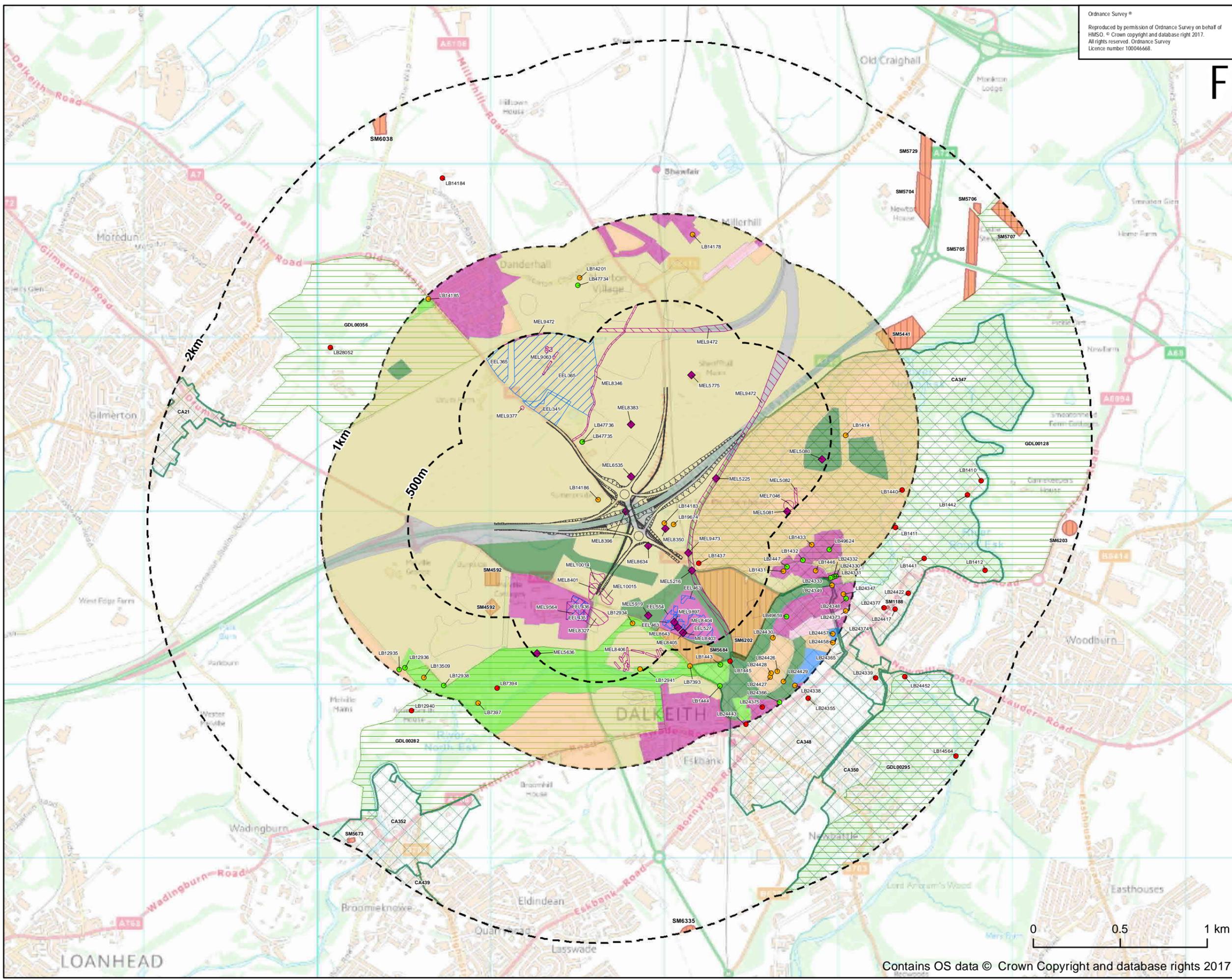
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- KEY:
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 - Listed Buildings Cat A
 - Listed Buildings Cat B (within 1km)
 - Listed Buildings Cat C (within 1km)
 - ▭ Scheduled Monuments
 - ▭ Conservation Areas
 - ▭ Gardens and Designed Landscapes

- Historic Land-use Assessment (Within 1km):
- ▭ Designed Landscape
 - ▭ Agriculture and Settlement
 - ▭ Built-up Area
 - ▭ Leisure and Recreation
 - ▭ Rural Settlement
 - ▭ Transport
 - ▭ Woodland and Forestry

- East Lothian Historic Environment Record (Within 500m):
- ◆ Monument Points
 - ▭ Monument Areas
 - ▭ Event Areas

Revision Details	By	Date	Scale
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Purpose of Issue
FOR INFORMATION



Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

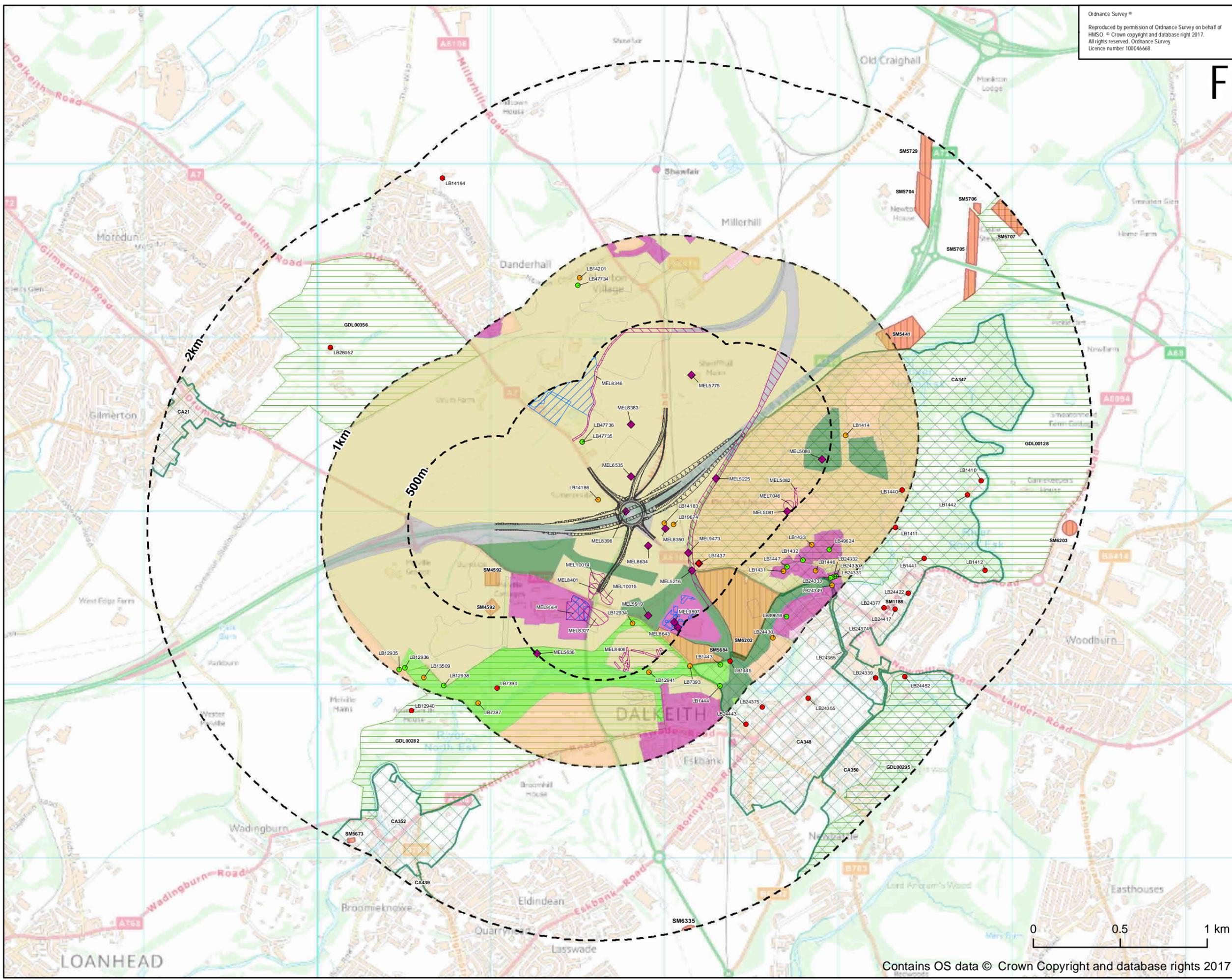
Drawing Title
**LOCATION OF CULTURAL
 HERITAGE ASSETS: OPTION B**

Designed BM	Drawn BM	Checked AM	Approved ZM	Date 29/03/2017
AECOM Internal Project No. 60470009			Suitability	
Scale @ A3 1:20,000			Zone	

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- KEY:**
- Site Layout Option C
 - Listed Buildings Cat A
 - Listed Buildings Cat B (within 1km)
 - Listed Buildings Cat C (within 1km)
 - ▭ Scheduled Monuments
 - ▭ Gardens and Designed Landscapes
 - ▭ Conservation Areas

- Historic Land-use Assessment (Within 1km):**
- ▭ Designed Landscape
 - ▭ Agriculture and Settlement
 - ▭ Built-up Area
 - ▭ Leisure and Recreation
 - ▭ Rural Settlement
 - ▭ Spiritual and Ritual
 - ▭ Transport
 - ▭ Woodland and Forestry

- East Lothian Historic Environment Record (Within 500m):**
- ◆ Monument Points
 - ◆ Event Points
 - ▭ Monument Areas
 - ▭ Event Areas

Revision Details	By	Date	Scale
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Purpose of Issue
FOR INFORMATION



Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
**LOCATION OF CULTURAL
 HERITAGE ASSETS: OPTION C**

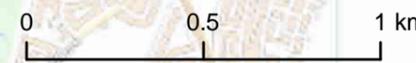
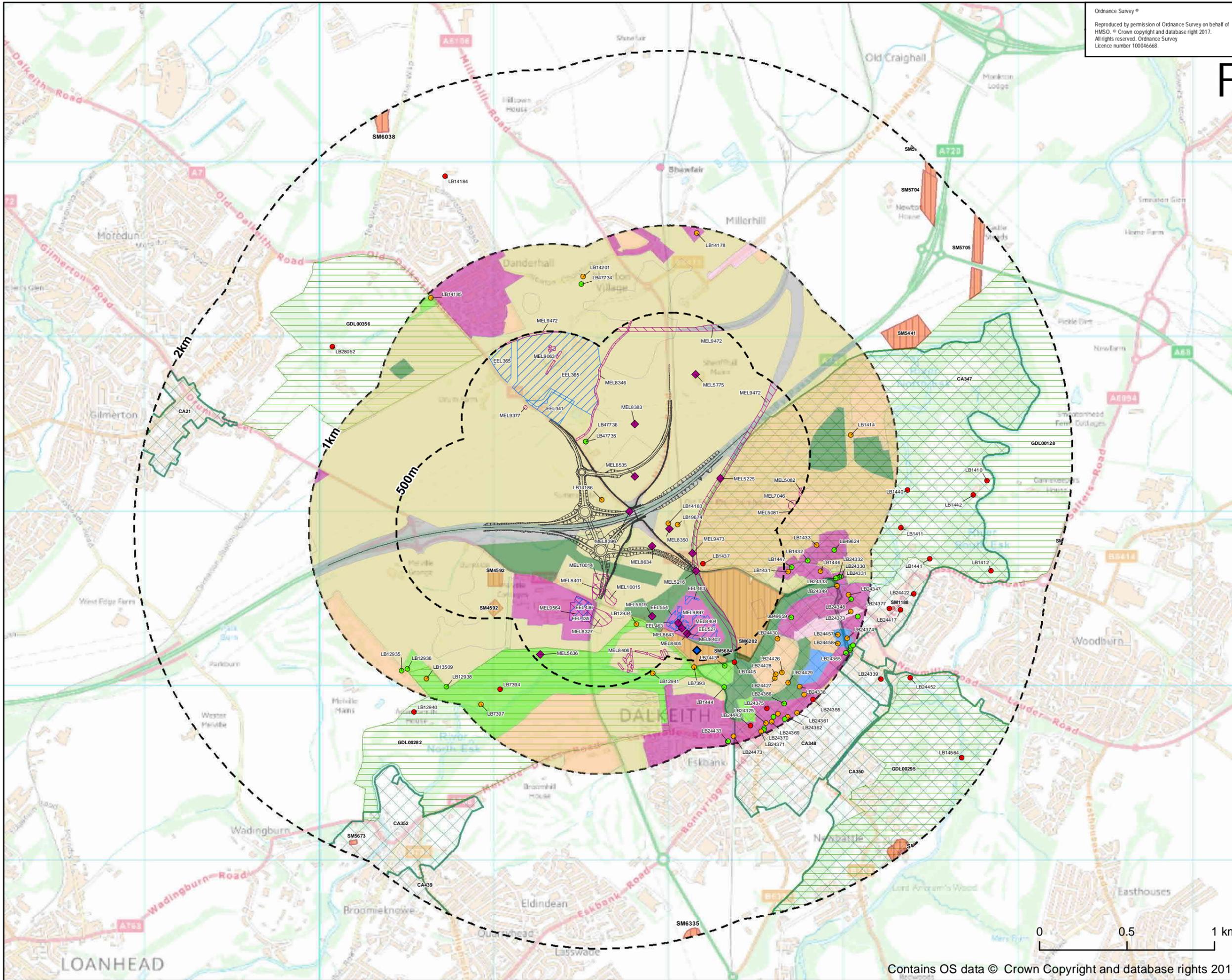
Designed BM	Drawn BM	Checked AM	Approved ZM	Date 29/03/2017
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AECOM Internal Project No. 60470009	Suitability
Scale @ A3 1:20,000	Zone

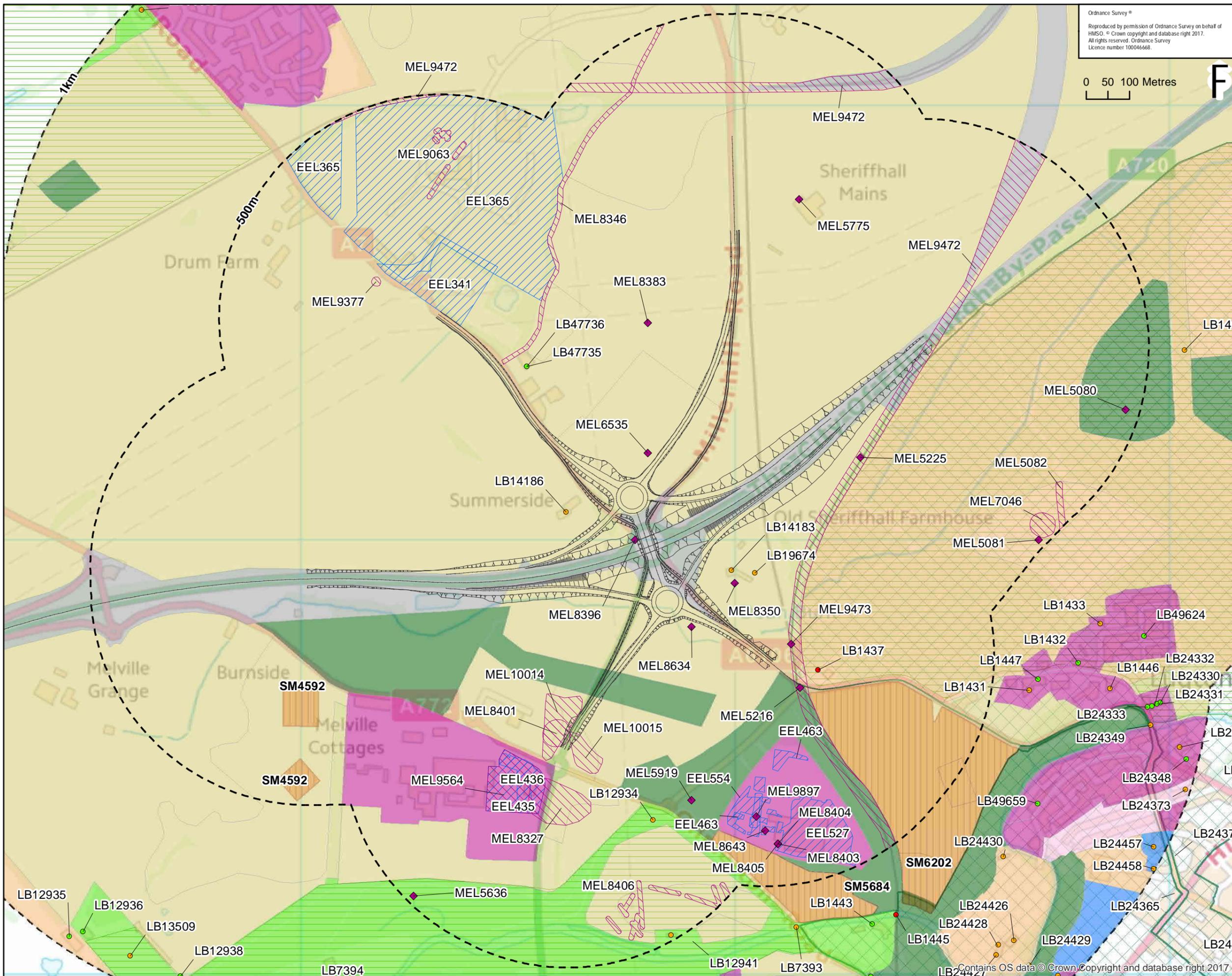
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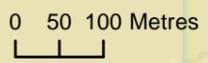
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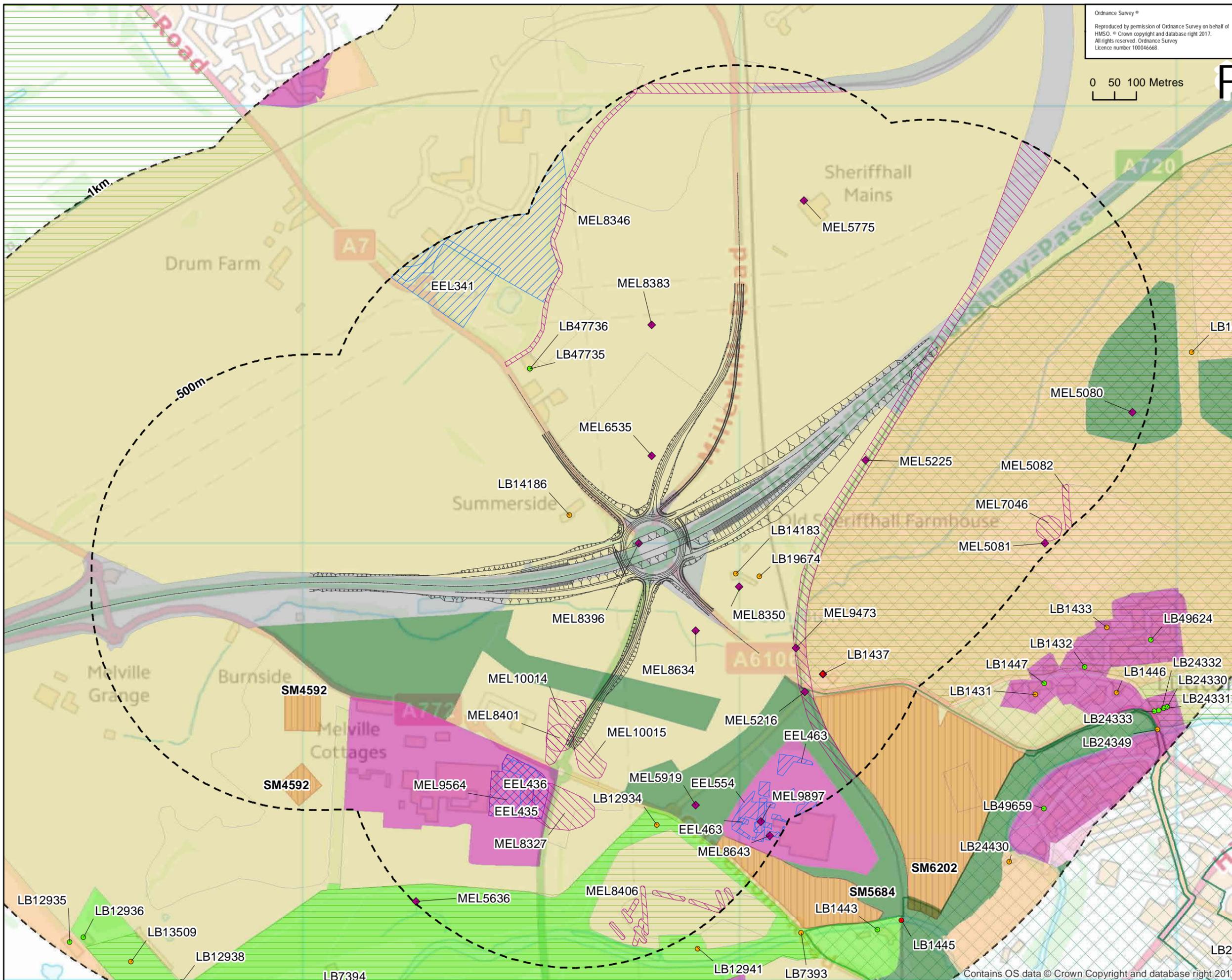
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- KEY:**
- Site Layout Option A
 - Listed Buildings Cat A
 - Listed Buildings Cat B (within 1km)
 - Listed Buildings Cat C (within 1km)
 - ▭ Scheduled Monuments
 - ▭ Conservation Areas
 - ▭ Gardens and Designed Landscapes

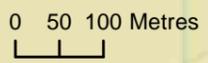
- Historic Land-use Assessment (Within 1km):**
- ▭ Designed Landscape
 - ▭ Agriculture and Settlement
 - ▭ Built-up Area
 - ▭ Leisure and Recreation
 - ▭ Rural Settlement
 - ▭ Spiritual and Ritual
 - ▭ Transport
 - ▭ Woodland and Forestry

- East Lothian Historic Environment Record (Within 500m):**
- ◆ Monument Points
 - ▭ Monument Areas
 - ▭ Event Areas

Revision Details				
Purpose of Issue FOR INFORMATION				
Client 				
Project Title A720 SHERIFFHALL ROUNDABOUT				
Drawing Title LOCATION OF CULTURAL HERITAGE ASSETS: OPTION A DETAILED VIEW				
Designed BM	Drawn BM	Checked AM	Approved ZM	Date 29/03/2017
AECOM Internal Project No. 60470009			Suitability	
Scale @ A3 1:8,000			Zone	
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 - Listed Buildings Cat C (within 1km)
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 - ▨ Conservation Areas
 - ▨ Gardens and Designed Landscapes

- Historic Land-use Assessment (Within 1km):**
- Designed Landscape
 - Agriculture and Settlement
 - Built-up Area
 - Leisure and Recreation
 - Rural Settlement
 - Transport
 - Woodland and Forestry

- East Lothian Historic Environment Record (Within 500m):**
- ◆ Monument Points
 - ▨ Monument Areas
 - ▨ Event Areas

Revision Details	By	Date	Scale
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Purpose of Issue
FOR INFORMATION

Client

Project Title
A720 SHERIFFHALL ROUNDABOUT

Drawing Title
LOCATION OF CULTURAL HERITAGE ASSETS: OPTION B DETAILED VIEW

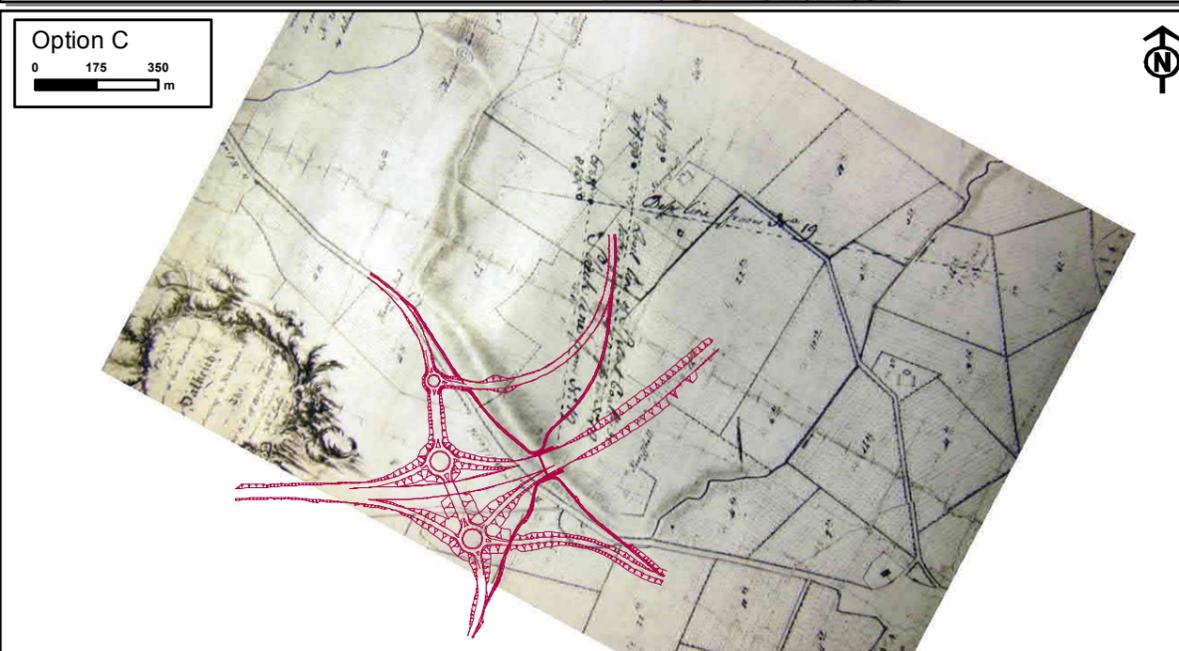
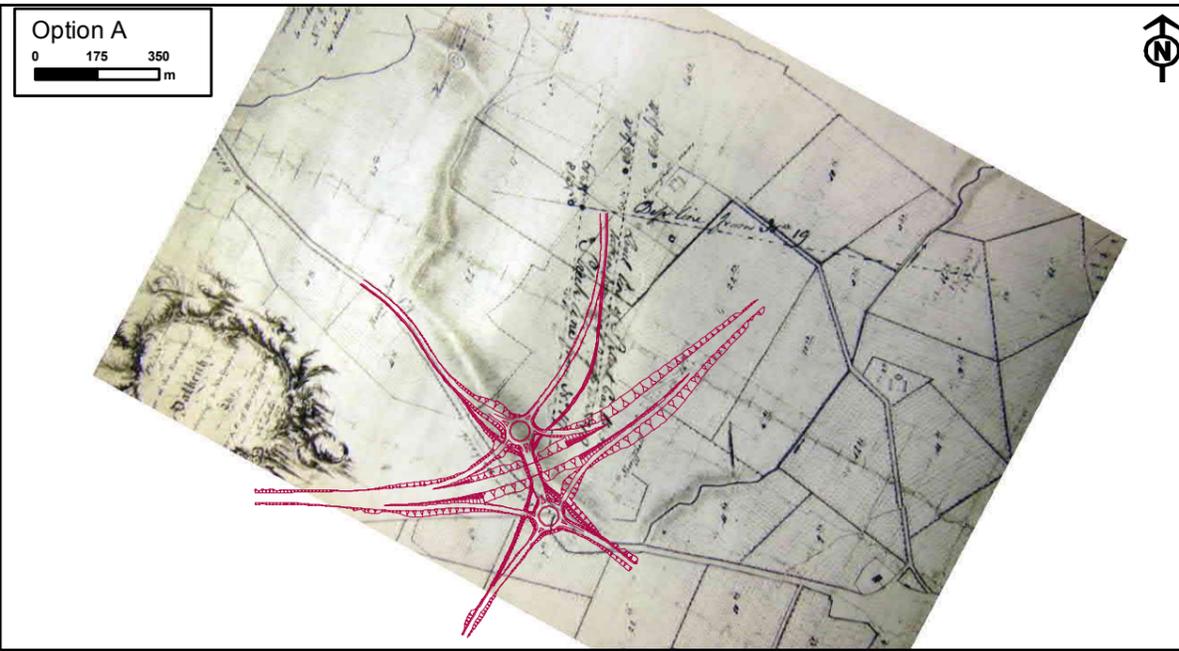
Designed BM	Drawn BM	Checked AM	Approved ZM	Date 29/03/2017
AECOM Internal Project No. 60470009		Suitability		
Scale @ A3 1:8,000		Zone -		

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FIGURE 4.5	2



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Revision Details	By	Date	Refs

Purpose of Issue
FOR INFORMATION



Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
**1779 PLAN OF BARONY OF
 SHERIFFHALL AND LANDS
 OF LUGTON**

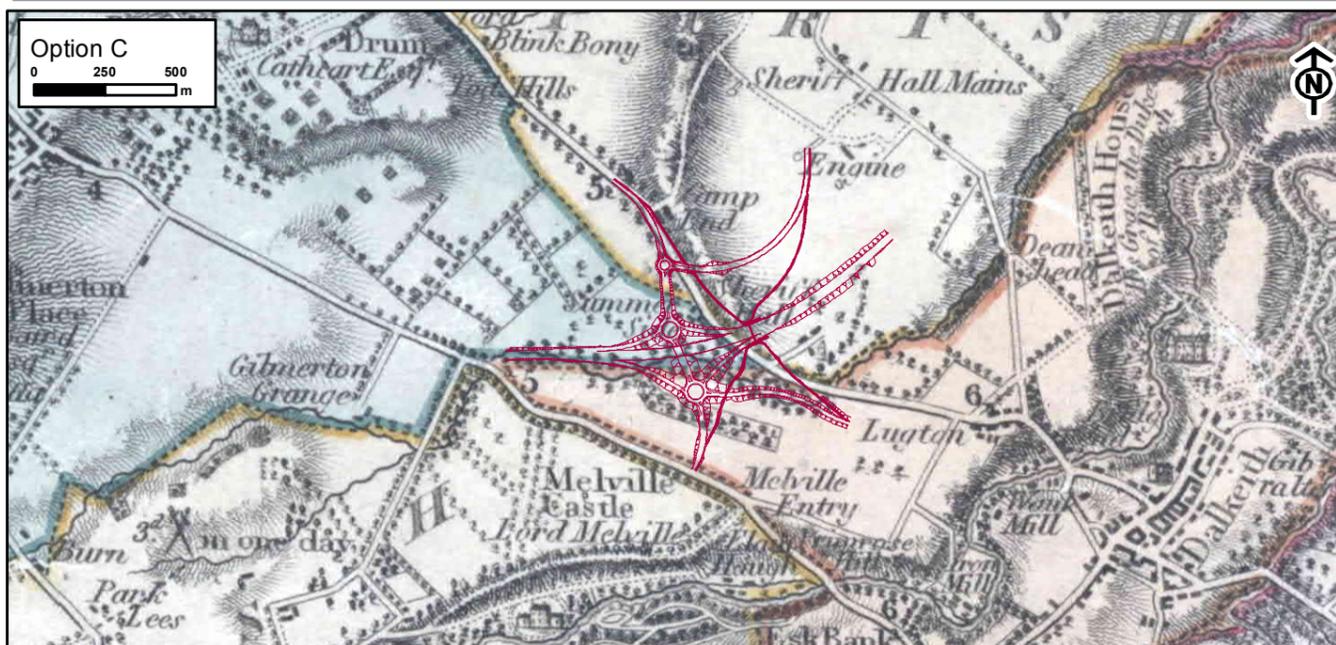
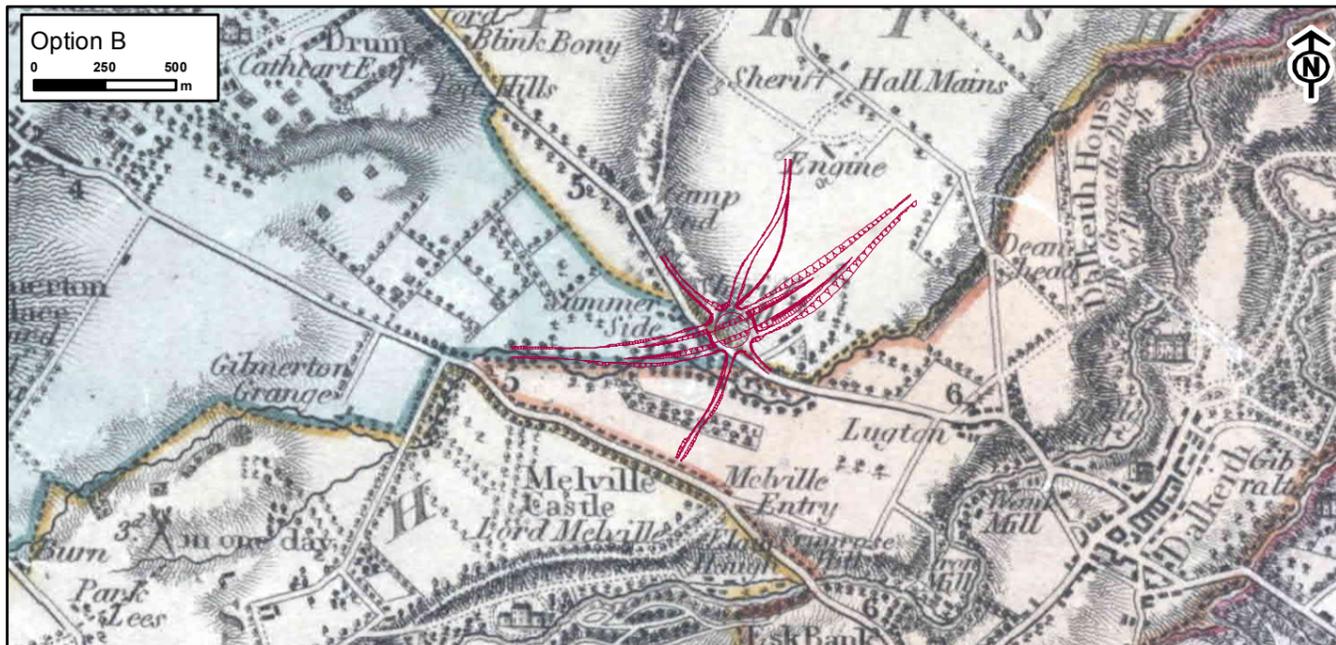
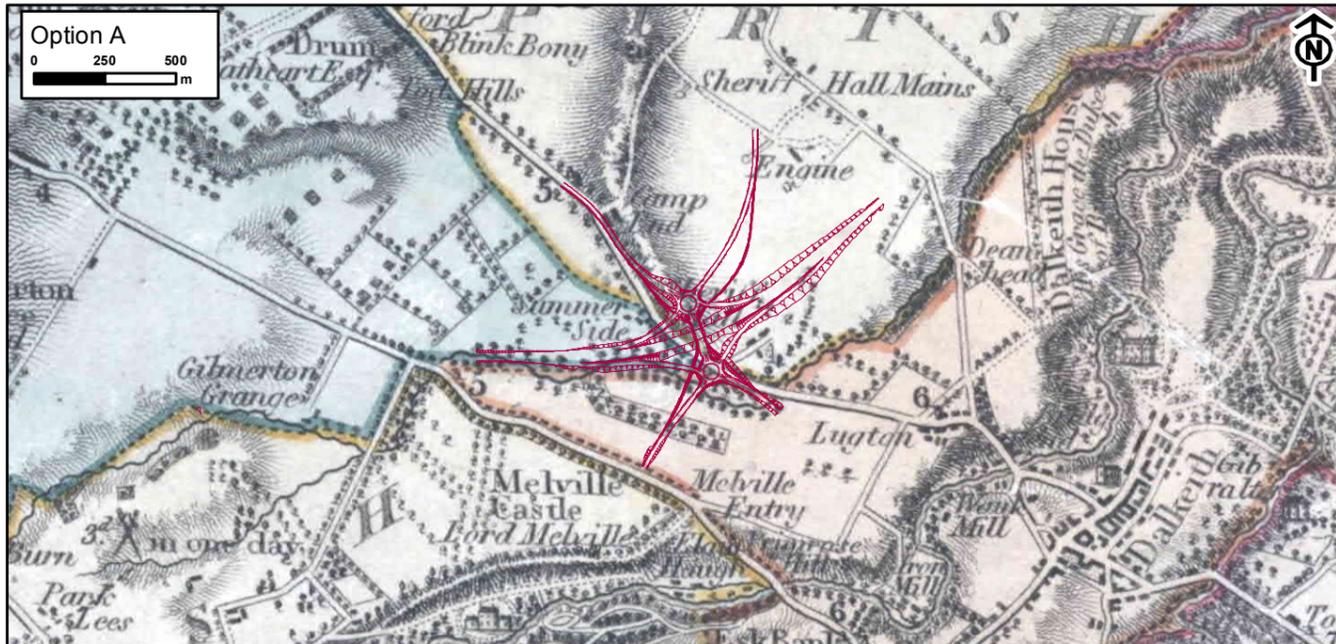
Designed	Drawn	Checked	Approved	Date
BM	BM	AM	ZM	16/03/2017

AECOM Internal Project No. 60470009	Suitability -
Scale @ A3 1:20,000	Zone -

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Revision Details	By	Date	Sub
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Purpose of Issue
FOR INFORMATION



Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

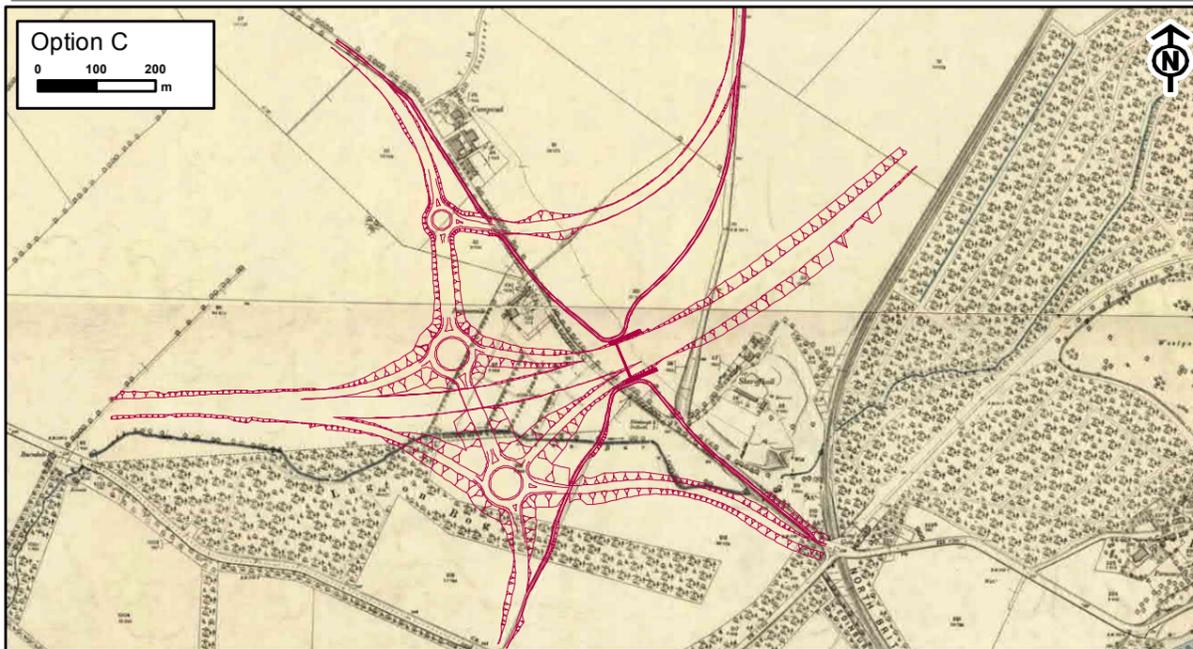
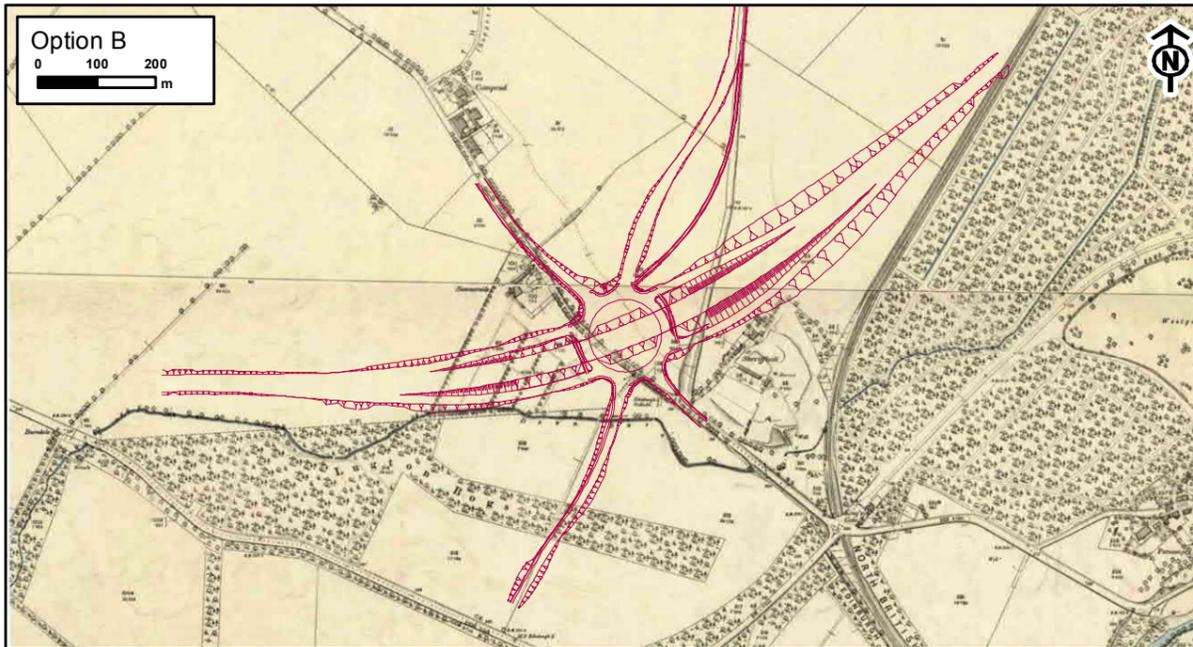
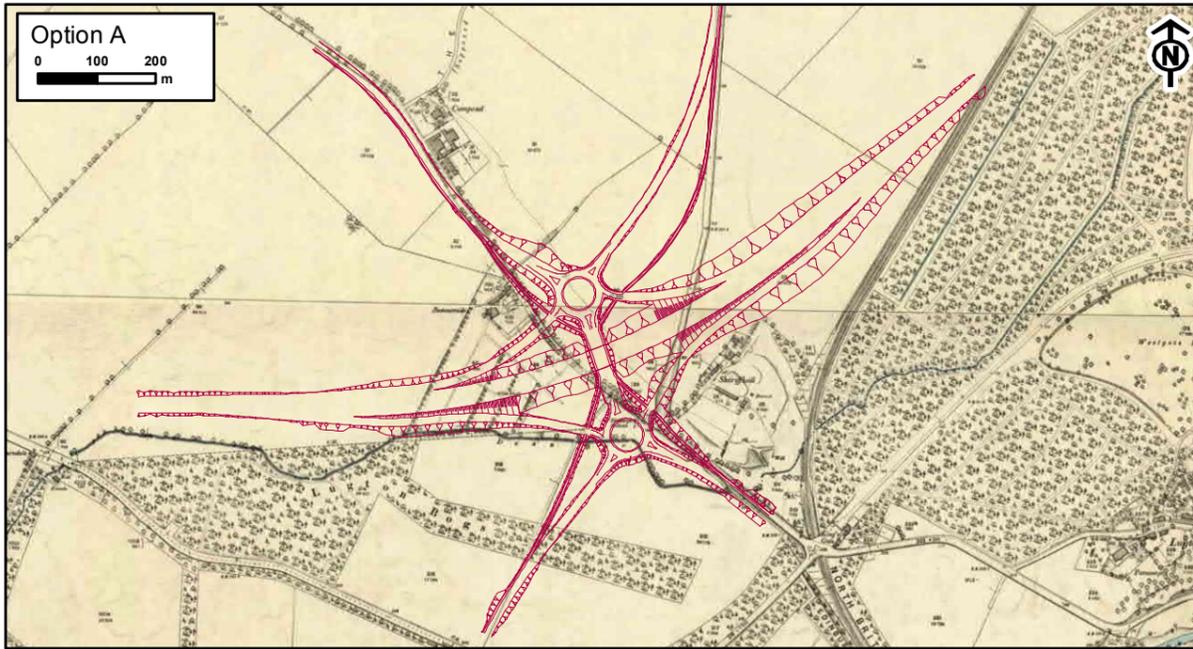
Drawing Title
**1816 JAMES KNOX, MAP OF THE
 SHIRE OF EDINBURGH [NATIONAL
 LIBRARY OF SCOTLAND EMS.S.37]**

Designed BM	Drawn BM	Checked AM	Approved ZM	Date 17/03/2017
AECOM Internal Project No. 60470009			Suitability -	
Scale @ A3 1:25,000			Zone -	

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Purpose of Issue
FOR INFORMATION



Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

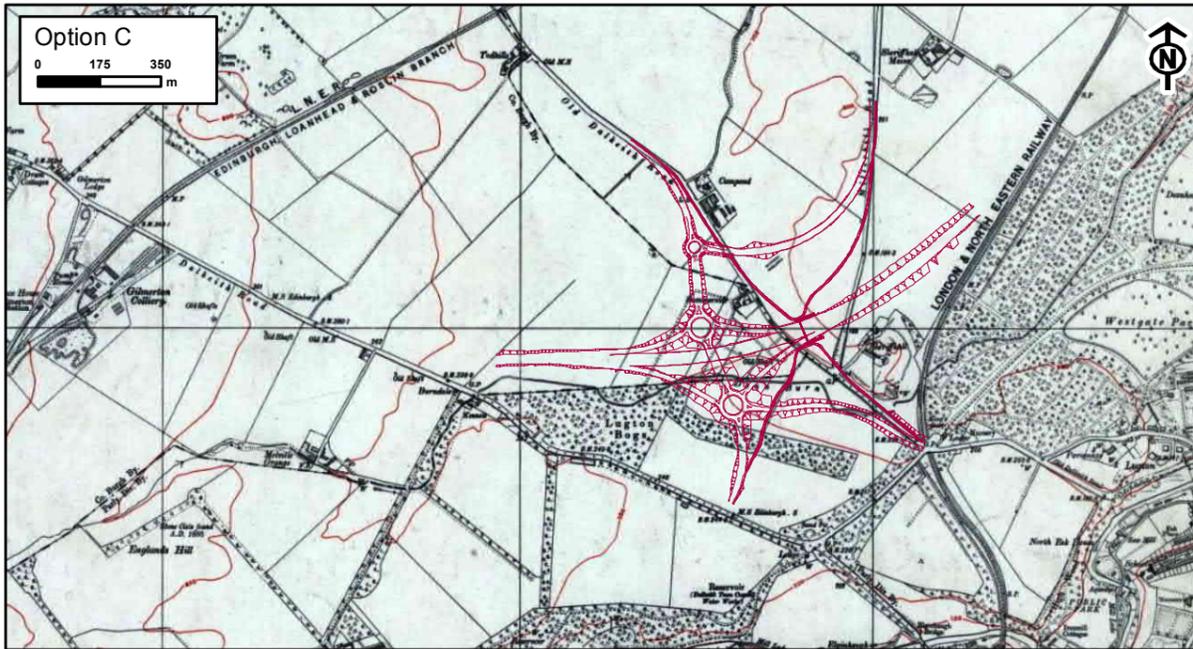
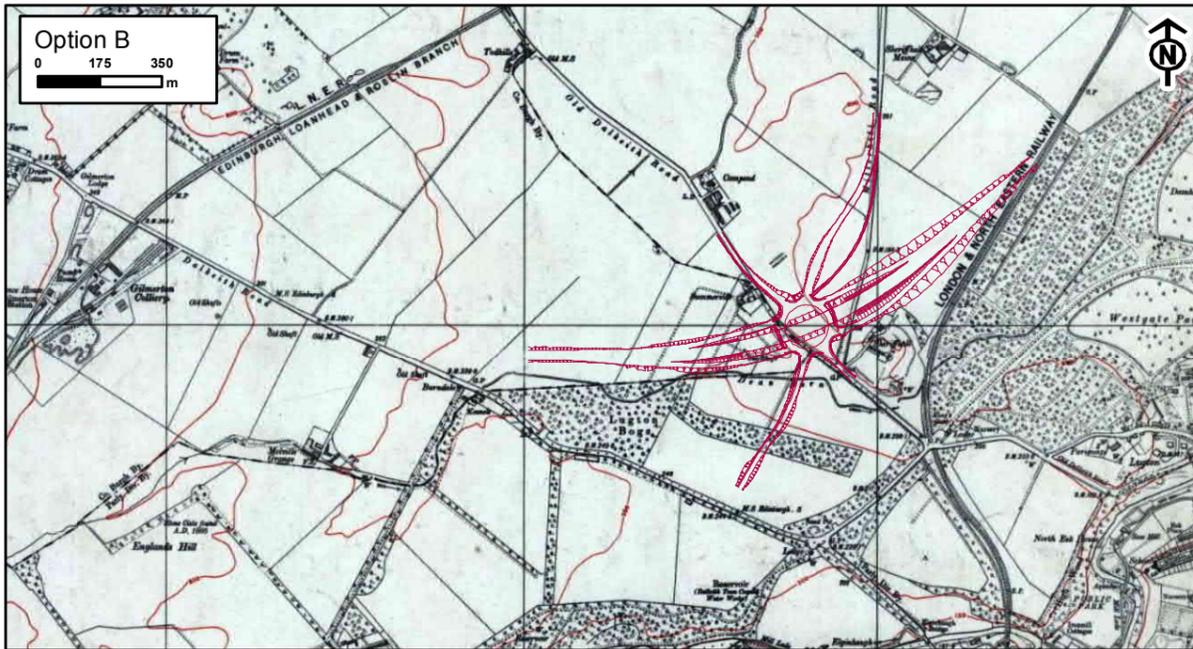
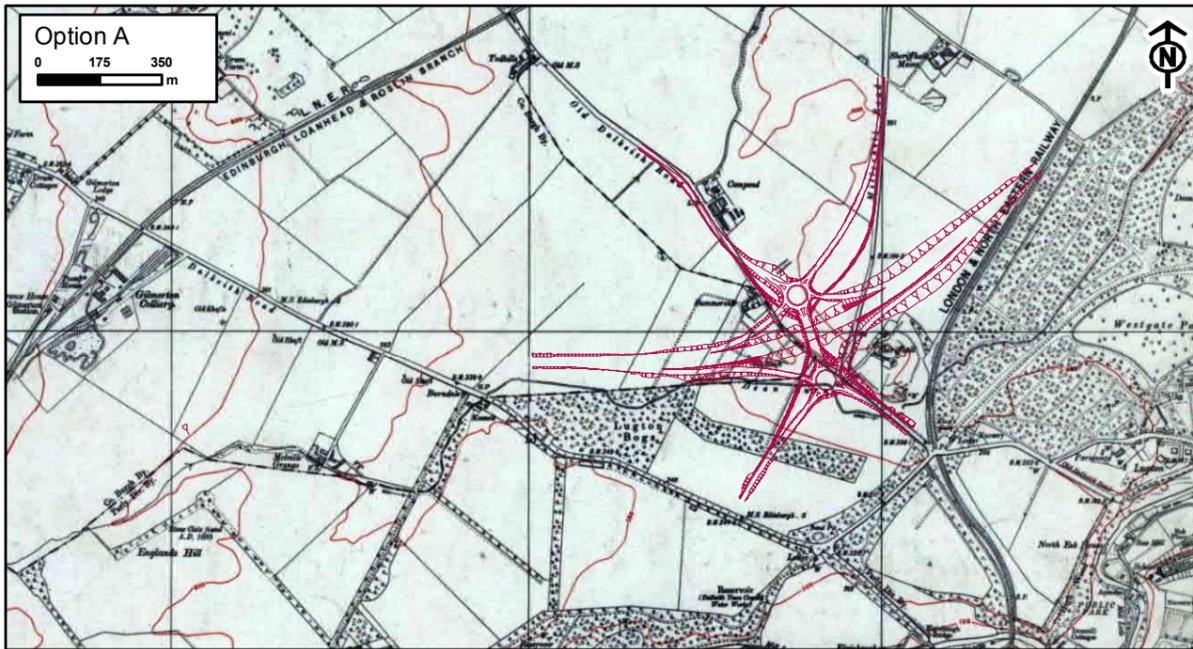
Drawing Title
**1894 ORDNANCE SURVEY
 EDINBURGHSHIRE, 2ND EDITION,
 SHEETS 008.06 & 008.02**

Designed	Drawn	Checked	Approved	Date
BM	BM	AM	ZM	17/03/2017
AECOM Internal Project No. 60470009		Suitability -		
Scale @ A3 1:12,000		Zone -		

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Drawing Number	Rev
FIGURE 4.10	1



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Revision Details	By	Date	Scale
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Purpose of Issue
FOR INFORMATION



Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

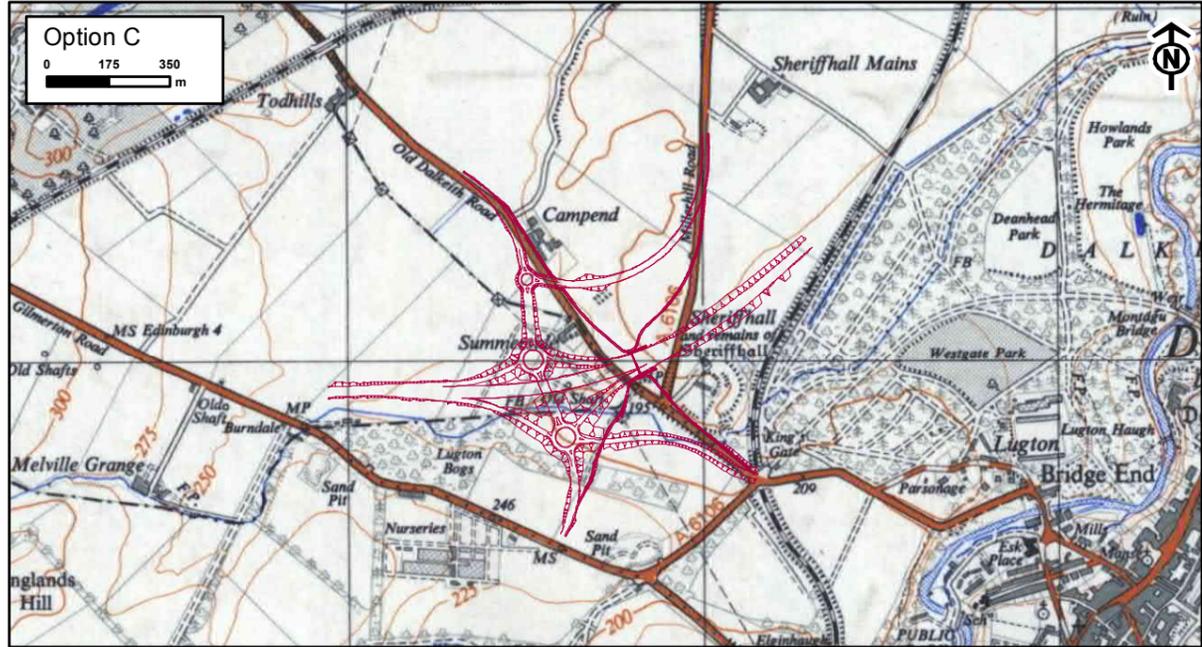
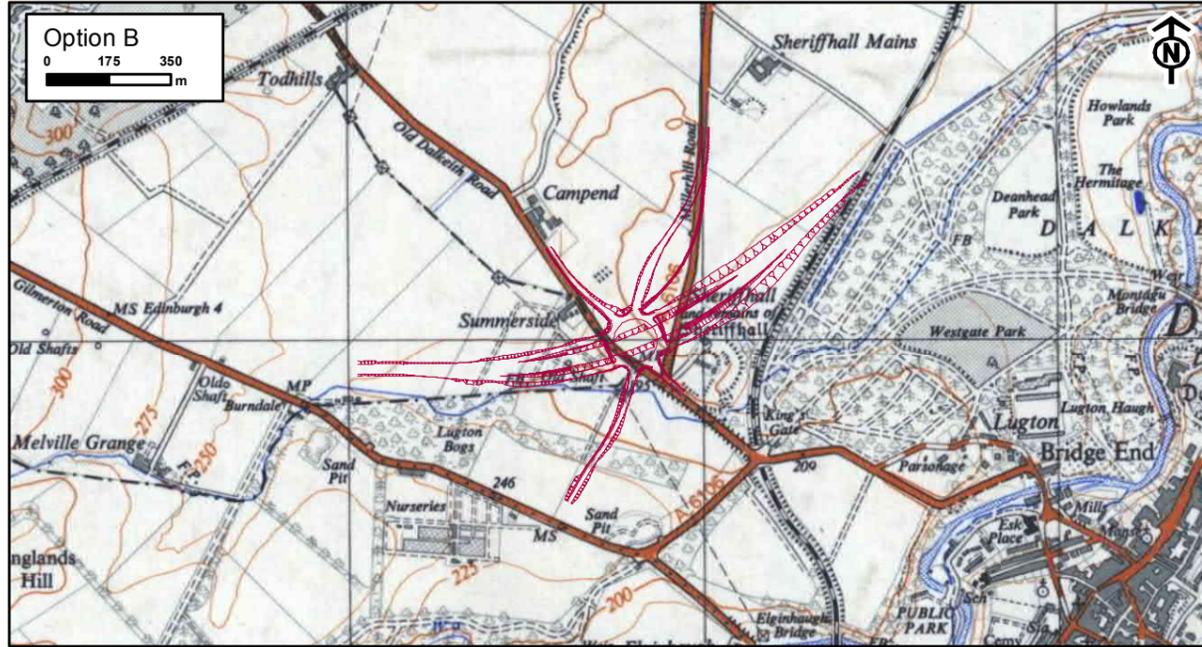
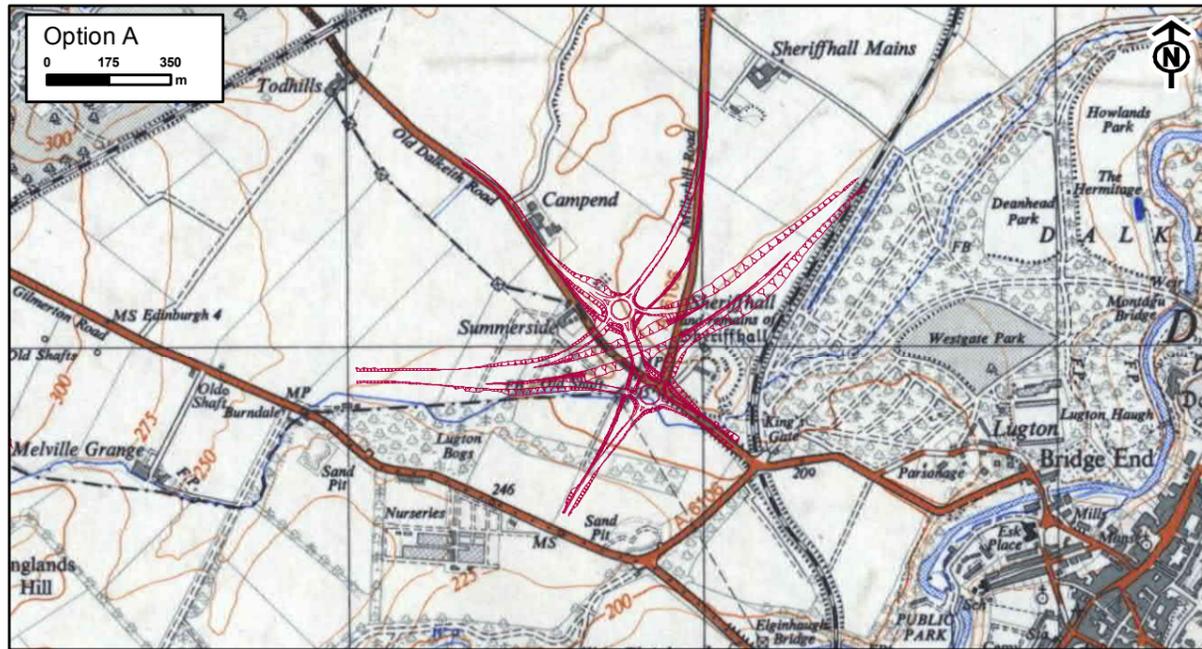
Drawing Title
**1944 EDINBURGHSHIRE SHEET
 VIII.NW, SCALE 6IN TO 1 MILE**

Designed BM	Drawn BM	Checked AM	Approved ZM	Date 17/03/2017
AECOM Internal Project No. 60470009			Suitability -	
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Revision Details	By	Date	Scale
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Purpose of Issue
FOR INFORMATION



Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
**1955 ORDNANCE SURVEY
 SHEET NT36**

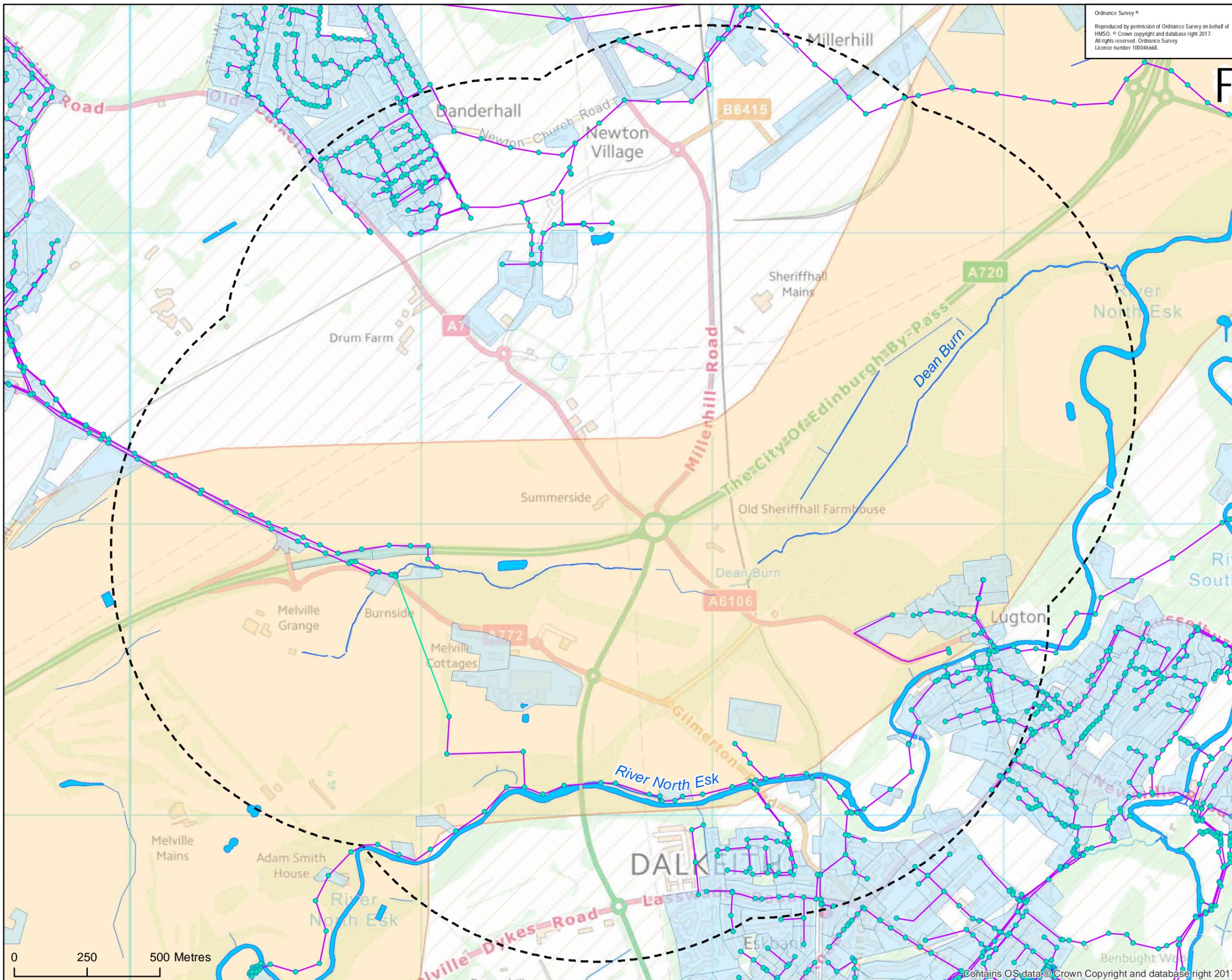
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AECOM Internal Project No. 60470009			Suitability -	
Scale @ A3 1:20,000			Zone -	

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- KEY:**
- Study Area - 1km
 - Surface Water
- Groundwater bodies:**
- Dalkeith Aquifer
 - Esk Valley Sand and Gravel
- Scottish Water Assets:**
- Outfall
 - Pumped Section
 - Pipe
 - Subcatchment



Revision Details	By	Date	Scale
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Purpose of Issue
FOR INFORMATION



Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
**ROAD DRAINAGE AND THE WATER
 ENVIRONMENT - RECEPTORS**

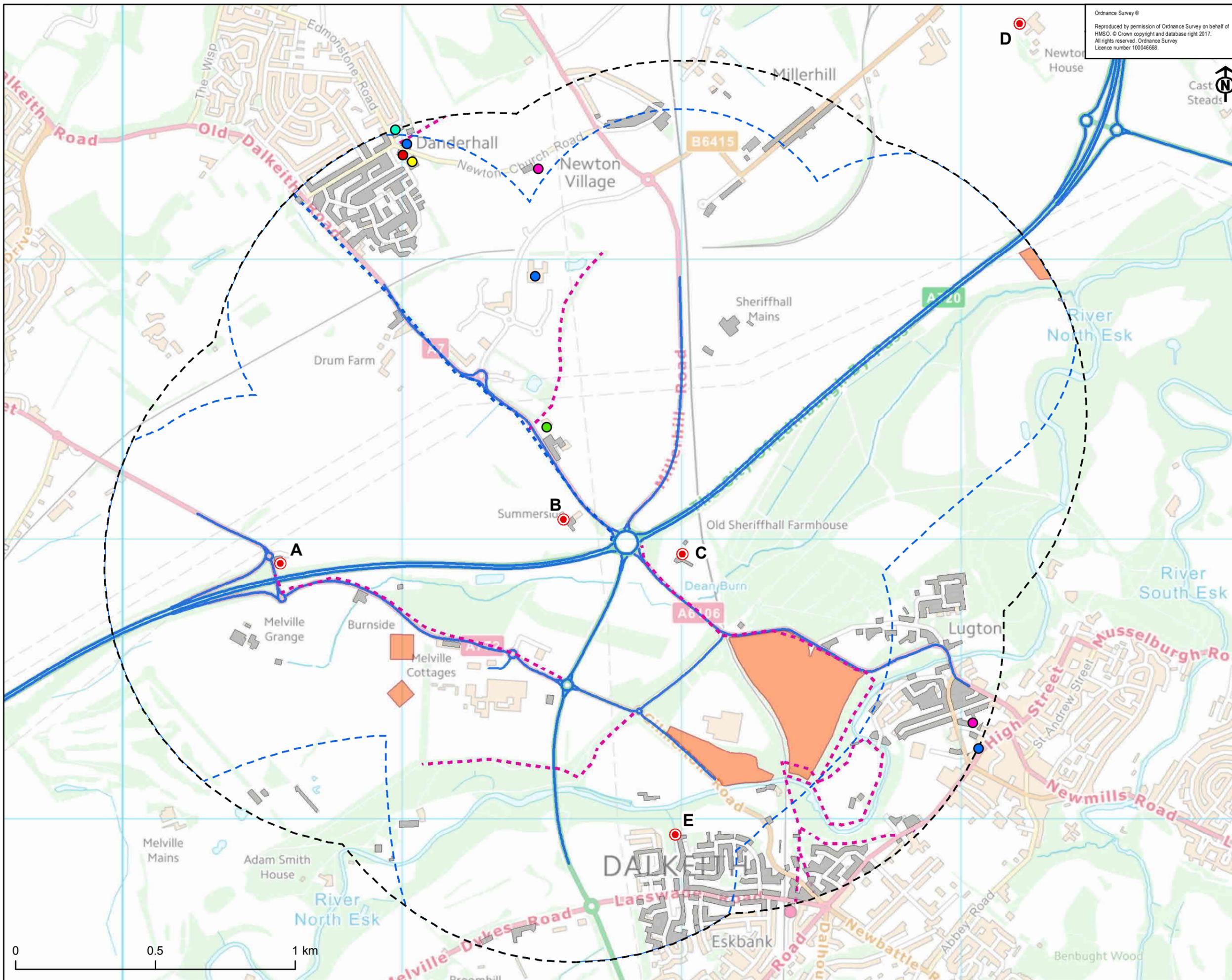
Designed BM	Drawn BM	Checked AM	Approved ZM	Date 29/03/2017
AECOM Internal Project No. 60470009			Suitability	
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KEY:

- Study Area - 1km
- Quantitative Noise Study Area - 600m
- Traffic Data Extent
- Noise Monitoring Locations

Non-Residential Sensitive Receptors:

- Medical
- Educational
- Community Facility - Leisure Centre
- Community Facility - Place of Worship
- Community Facility - Library
- Community Facility - Hall

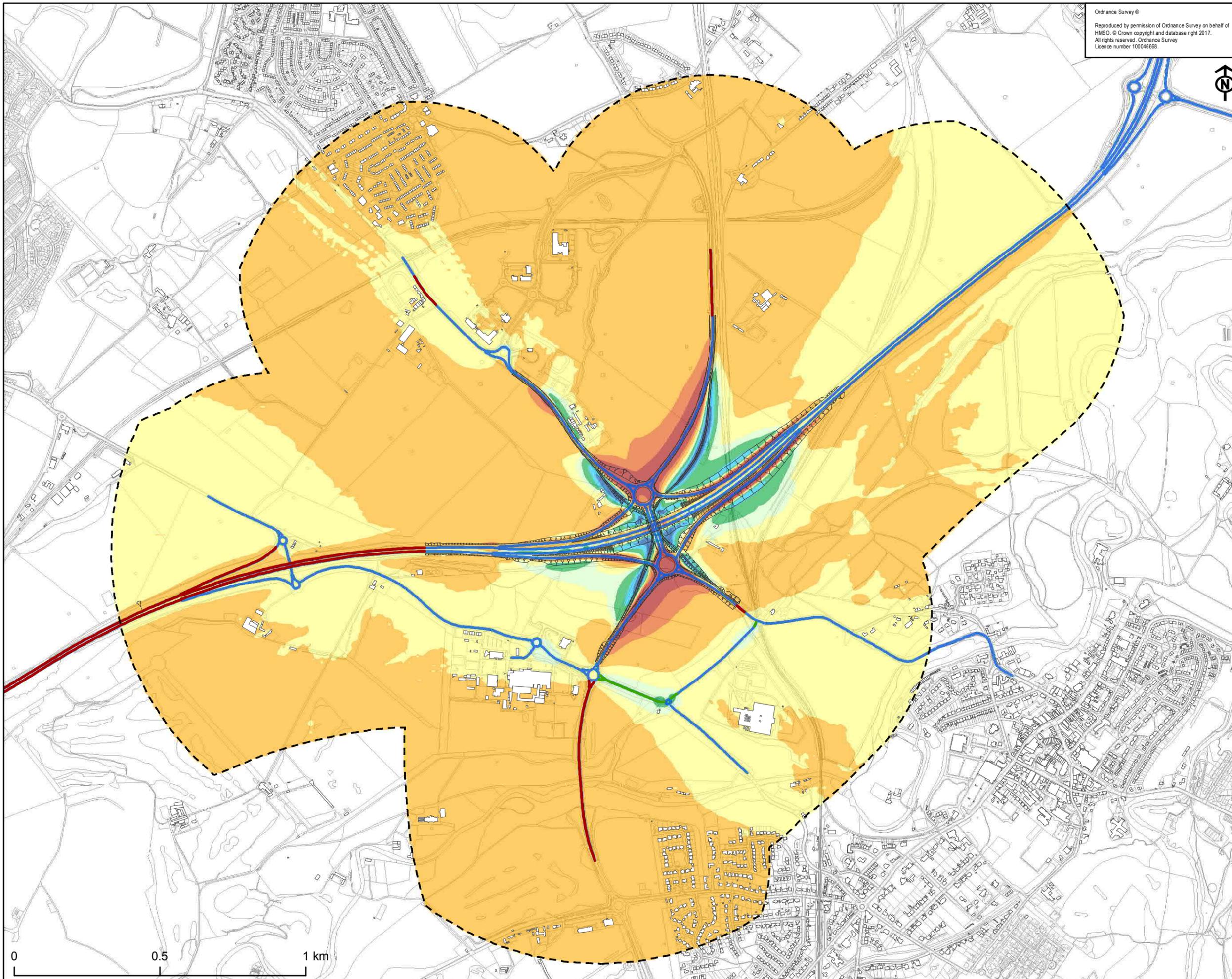
Residential properties within 1km

Edinburgh City Council Core Paths

Midlothian Council Core Paths

Scheduled Monuments

Revision Details				
Purpose of Issue FOR INFORMATION				
Client 				
Project Title A720 SHERIFFHALL ROUNDABOUT				
Drawing Title NOISE LOCATION PLAN				
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AECOM Internal Project No. 60470009			Suitability -	
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- KEY:**
- 600m Study Area
 - Site Layout Option A
 - Affected route Option A decrease
 - Affected route Option A increase
 - Traffic Data Extent

**LA10,18h dB
 (free-field) at 4m**

- >=+5.0
- +3.0 to +4.9
- +1.0 to +2.9
- 0 to +0.9
- <0 to -0.9
- 1.0 to -2.9
- 3.0 to -4.9
- <=-5.0

Revision Details

Purpose of Issue
FOR INFORMATION

Client


Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
**OPTION A SHORT TERM TRAFFIC
 NOISE CHANGE
 2024 DM TO 2024 DS**

Designed BM	Drawn BM	Checked AM	Approved ZM	Date 30/03/2017
AECOM Internal Project No. 60470009			Suitability -	
Scale @ A3 1:12,000			Zone -	

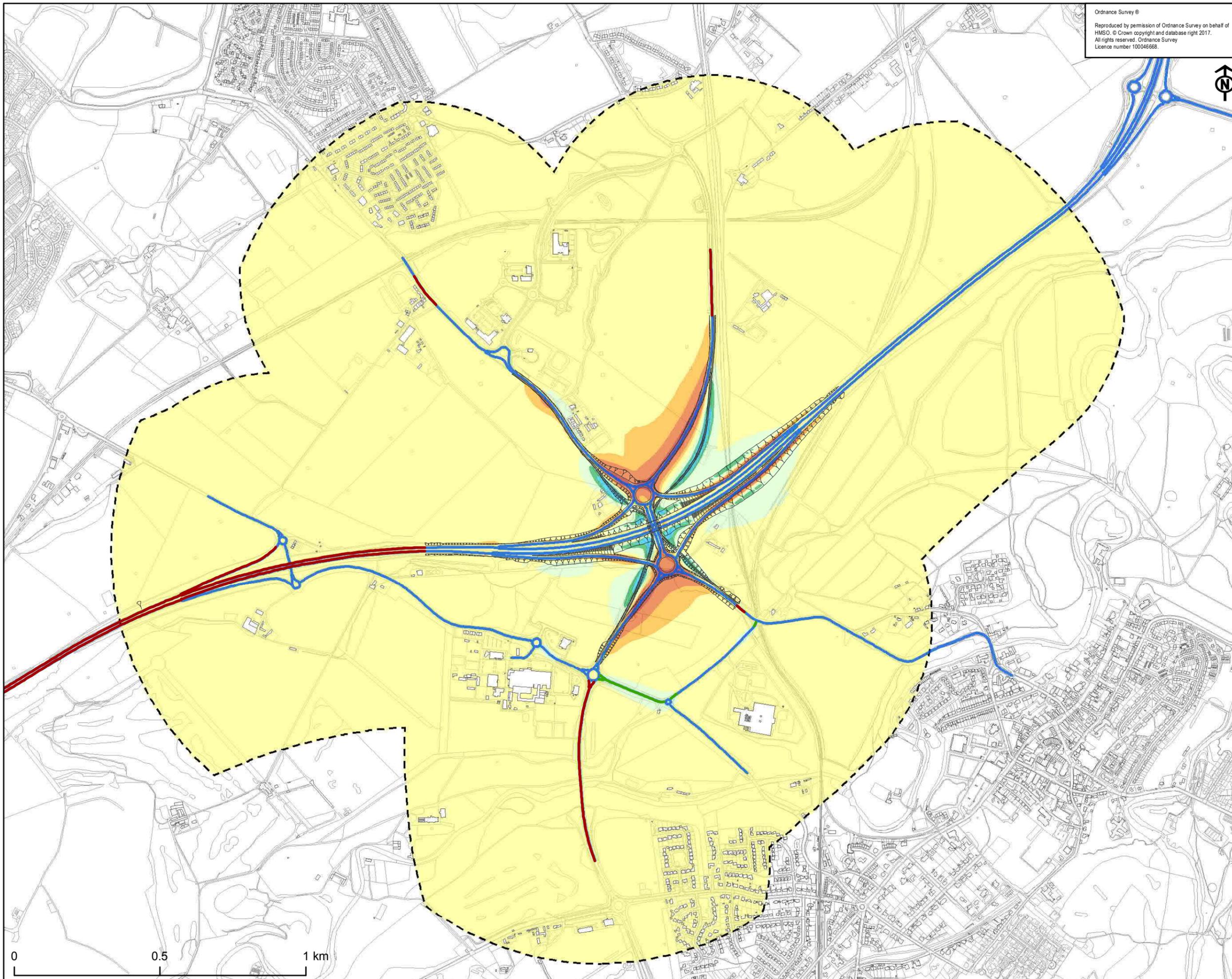
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FIGURE 6.2

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- KEY:**
- 600m Study Area
 - Site Layout Option A
 - Affected route Option A decrease
 - Affected route Option A increase
 - Traffic Data Extent

LA 10,18h dB (free-field) at 4m

- $\geq +10.0$
- +5.0 to + 9.9
- +3.0 to +4.9
- 0 to +2.9
- <0 to -2.9
- 3.0 to -4.9
- 5.0 to -9.9
- ≤ -10.0

Revision Details

Purpose of Issue
FOR INFORMATION

Client


Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
**OPTION A LONG TERM TRAFFIC
 NOISE CHANGE
 2024 DM TO 2039 DS**

Designed	Drawn	Checked	Approved	Date
BM	BM	AM	ZM	30/03/2017
AECOM Internal Project No. 60470009				Suitability -
Scale @ A3 1:12,000				Zone -

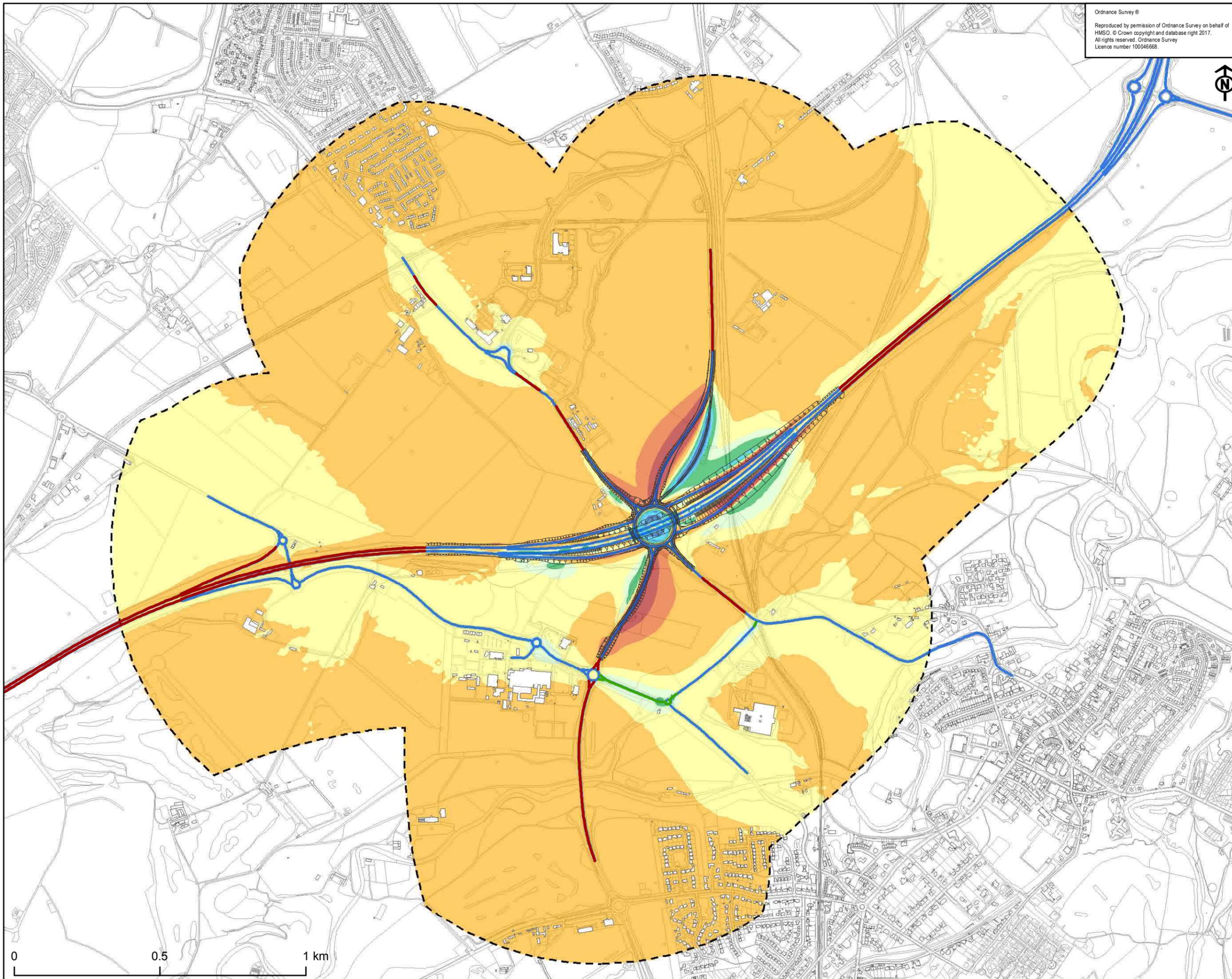
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Drawing Number
FIGURE 6.3

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- KEY:
- 600m Study Area
 - Site Layout Option B
 - Affected route Option B decrease
 - Affected route Option B increase
 - Traffic Data Extent

- LA 10,18h dB (free-field) at 4m**
- >=+5.0
 - +3.0 to +4.9
 - +1.0 to +2.9
 - 0 to +0.9
 - <0 to -0.9
 - 1.0 to -2.9
 - 3.0 to -4.9
 - <=-5.0

Revision Details	By	Date	Refs
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Purpose of Issue
FOR INFORMATION

Client

Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
**OPTION B SHORT TERM TRAFFIC
 NOISE CHANGE 2024 DM
 TO 2024 DS**

Designed BM	Drawn BM	Checked AM	Approved ZM	Date 30/03/2017
AECOM Internal Project No. 60470009			Suitability -	
Scale @ A3 1:12,000			Zone -	

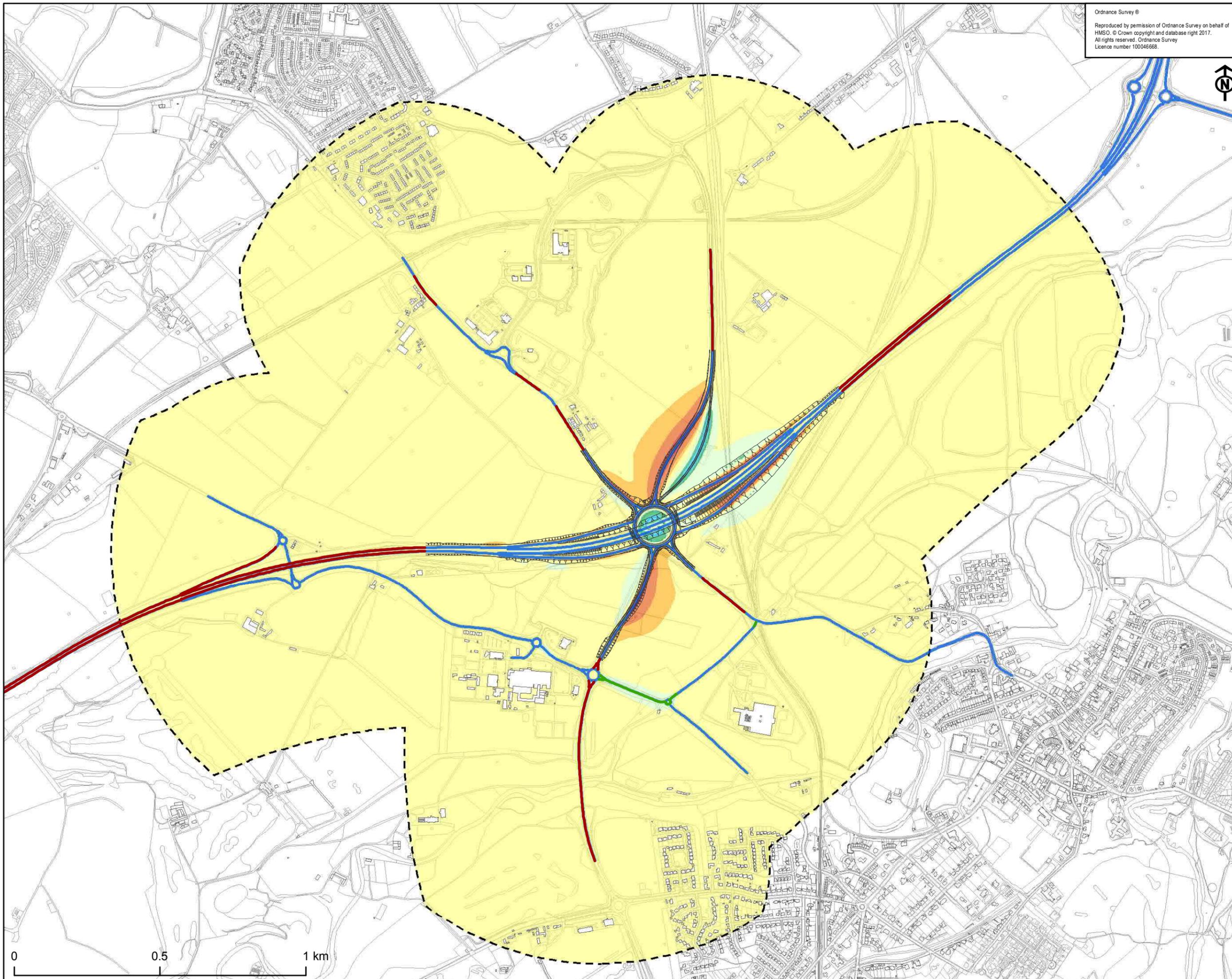
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- KEY:**
- Site Layout Option B
 - Affected route Option B decrease
 - Affected route Option B increase
 - Traffic Data Extent
 - 600m Study Area

- LA10,18h dB
 (free-field) at 4m**
- >=+10.0
 - +5.0 to + 9.9
 - +3.0 to +4.9
 - 0 to +2.9
 - <0 to -2.9
 - -3.0 to -4.9
 - -5.0 to -9.9
 - <=-10.0

Revision Details

Purpose of Issue
FOR INFORMATION

Client


Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
**OPTION B LONG TERM TRAFFIC
 NOISE CHANGE
 2024 DM TO 2039 DS**

Designed	Drawn	Checked	Approved	Date
BM	BM	AM	ZM	30/03/2017
AECOM Internal Project No. 60470009				Suitability -
Scale @ A3 1:12,000				Zone -

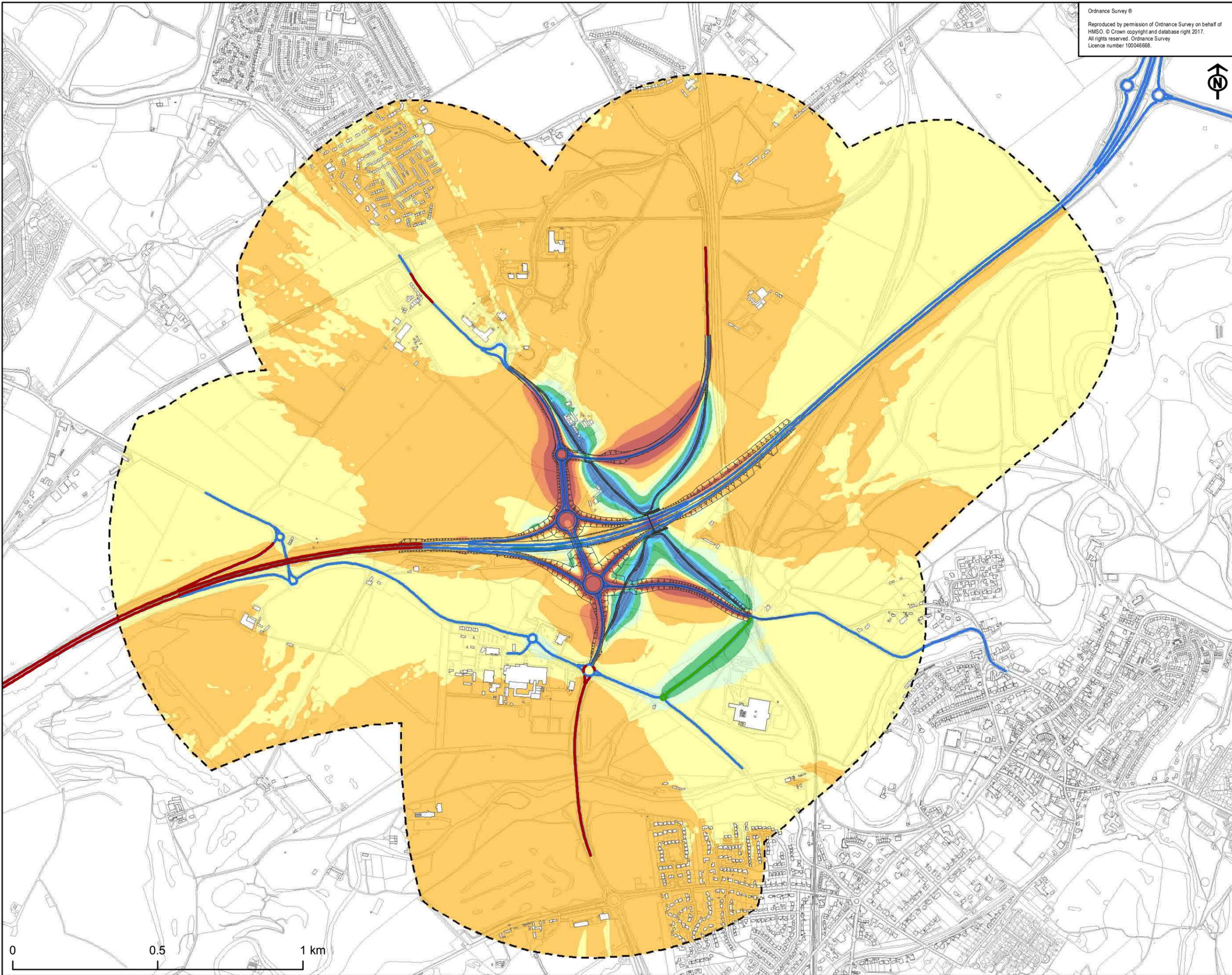
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FIGURE 6.5

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- KEY:**
- 600m Study Area
 - Site Layout Option C
 - Affected route Option C decrease
 - Affected route Option C increase
 - Traffic Data Extent

- LA10,18h dB (free-field) at 4m**
- >=+5.0
 - +3.0 to +4.9
 - +1.0 to +2.9
 - 0 to +0.9
 - <0 to -0.9
 - 1.0 to -2.9
 - 3.0 to -4.9
 - <=-5.0

Revision Details	By	Date	Sub
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Purpose of Issue
FOR INFORMATION

Client

Project Title
A720 SHERIFFHALL ROUNDABOUT

Drawing Title
OPTION C SHORT TERM TRAFFIC NOISE CHANGE 2024 DM TO 2024 DS

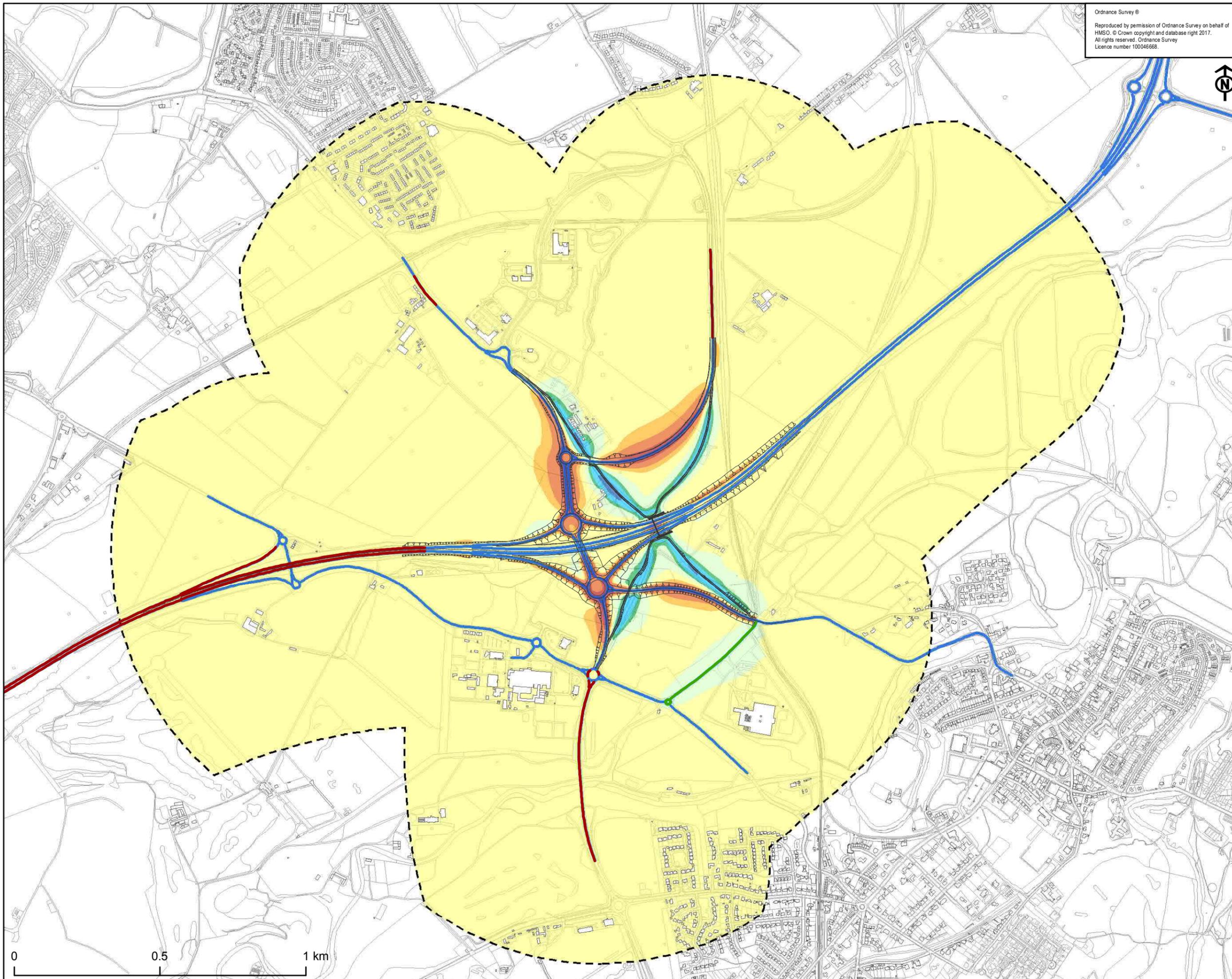
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AECOM Internal Project No. 60470009			Suitability	
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Drawing Number FIGURE 6.6	Rev 3
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- KEY:**
- 600m Study Area
 - Site Layout Option C
 - Affected route Option C decrease
 - Affected route Option C increase
 - Traffic Data Extent

- LA10,18h dB (free-field) at 4m**
- >=+10.0
 - +5.0 to +9.9
 - +3.0 to +4.9
 - 0 to +2.9
 - <0 to -2.9
 - 3.0 to -4.9
 - 5.0 to -9.9
 - <=-10.0

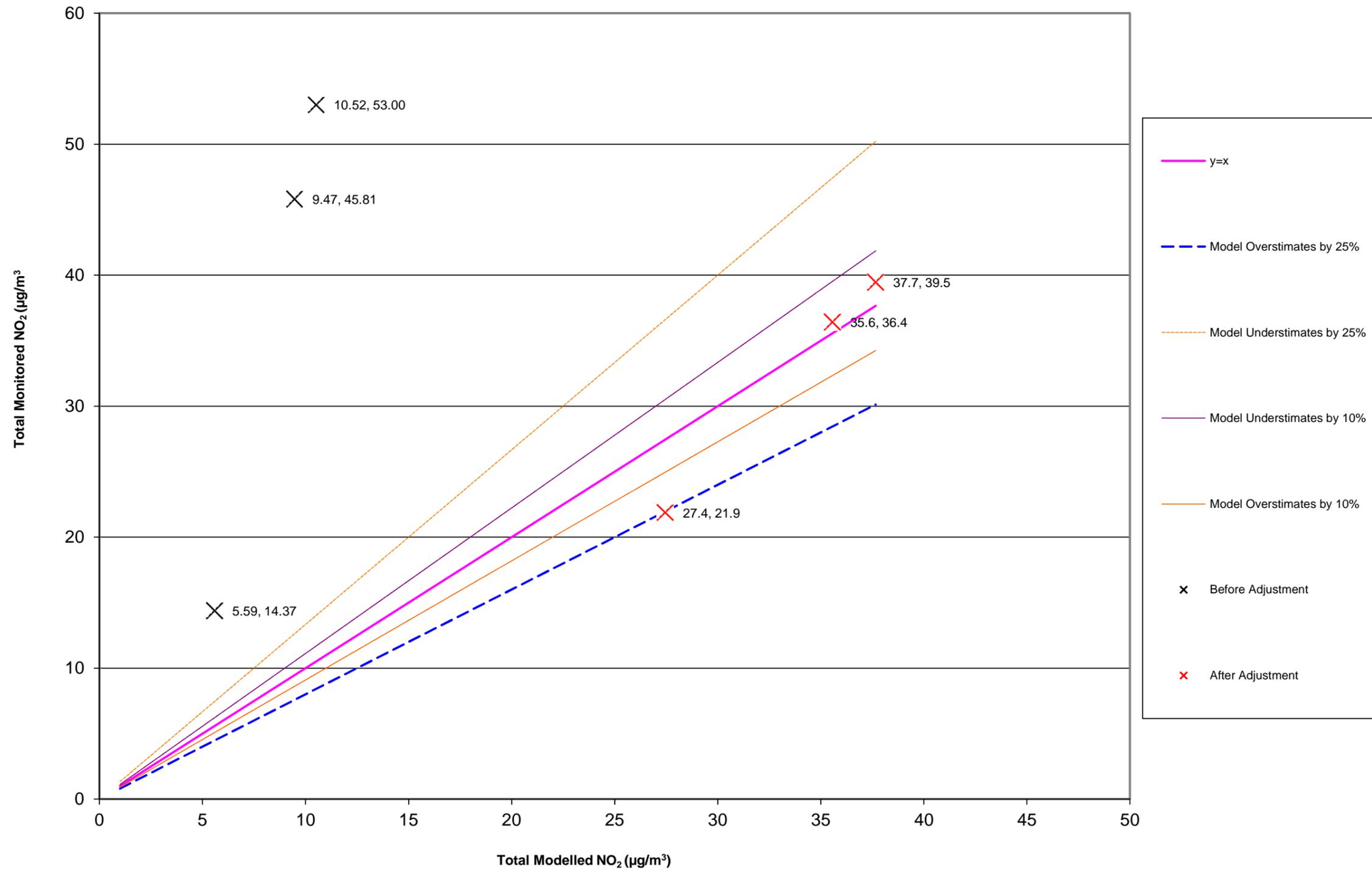
Revision Details				
Purpose of Issue FOR INFORMATION				
Client 				
Project Title A720 SHERIFFHALL ROUNDABOUT				
Drawing Title OPTION C LONG TERM TRAFFIC NOISE CHANGE 2024 DM TO 2039 DS				
Designed BM	Drawn BM	Checked AM	Approved ZM	Date 30/03/2017
AECOM Internal Project No. 60470009			Suitability -	
Scale @ A3 1:12,000			Zone -	
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Drawing Number FIGURE 6.7				Rev 3

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Modelled NO₂ vs Monitored NO₂ Before and After Adjustment



Revision Details	By	Date	Scale
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Purpose of Issue
FOR INFORMATION



Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
**MODELLED VERSUS MONITORED
 NO2 CONCENTRATIONS
 (UNADJUSTED AND ADJUSTED)**

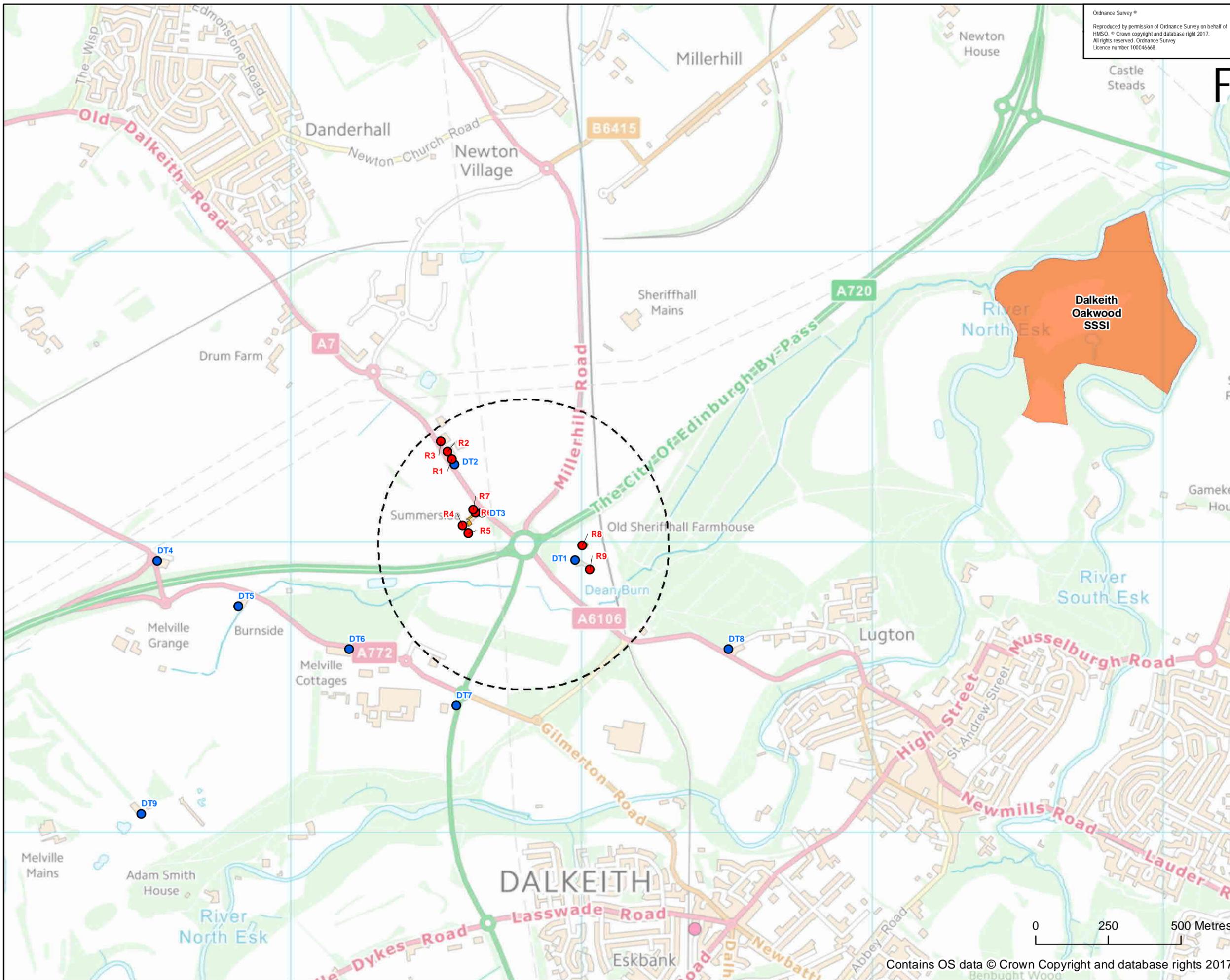
Designed BM	Drawn BM	Checked AM	Approved ZM	Date 28/03/2017
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AECOM Internal Project No. 60470009	Suitability -
Scale @ A3 1:12,000	Zone -

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Drawing Number FIGURE 7.1	Rev 0
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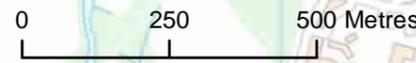
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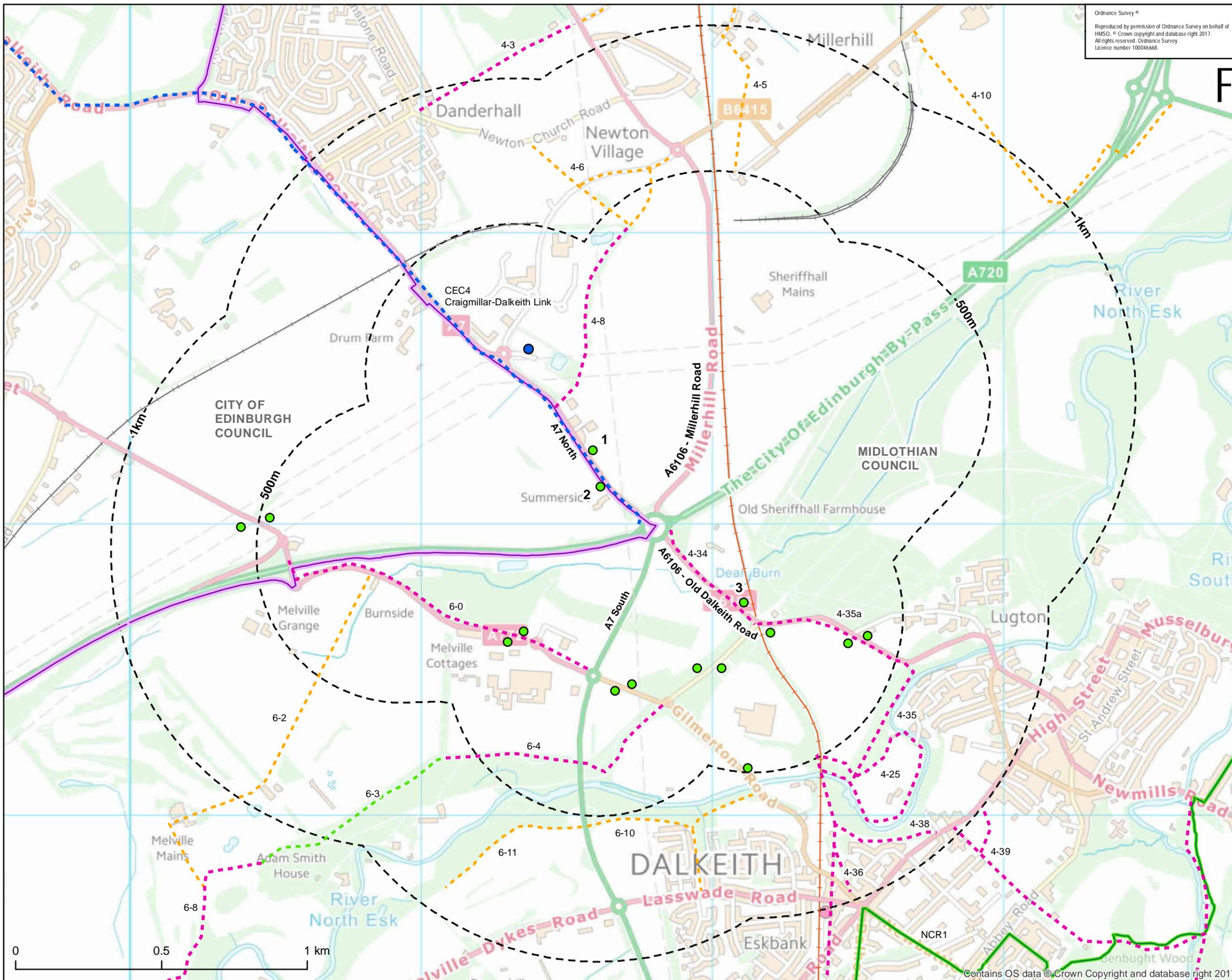
KEY:

- Air Quality Sensitive Receptors
- Diffusion Tube Monitoring Location
- Residential Buildings
- Site of Special Scientific Interest (SSSI)
- 500m Buffer (AQ Study Area)

Revision Details				
Purpose of Issue FOR INFORMATION				
Client 				
Project Title A720 SHERIFFHALL ROUNDABOUT				
Drawing Title AIR QUALITY STUDY AREA				
Designed BM	Drawn BM	Checked AM	Approved ZM	Date 28/03/2017
AECOM Internal Project No. 60470009			Sustainability	
Scale @ A3 1:12,000			Zone -	
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Drawing Number FIGURE 7.2				Rev 2



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- KEY:**
- Study Area
 - Railway Track
 - Borders Rail Line
 - Bus Stops:**
 - 1: A7 North (Campend)
 - 2: A7 North (Summerside)
 - 3: A6106 Old Dalkeith Rd. (East Side)
 - Sheriffhall Park and Ride
 - Edinburgh City Council Core Paths
 - Midlothian Council Core Paths
 - Midlothian Council Aspirational Core Paths
 - Midlothian Council Other Paths
 - National Cycle Route
 - Council Boundary

Please note the core path numbers are shown adjacent to routes

Revision Details	By	Date	Scale
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Purpose of Issue
FOR INFORMATION

Client

Project Title
A720 SHERIFFHALL ROUNDABOUT

Drawing Title
ALL TRAVELLERS - BASELINE

Designed BM	Drawn BM	Checked AM	Approved ZM	Date 28/03/2017
AECOM Internal Project No. 60470009			Sustainability	
Scale @ A3 1:12,000			Zone	

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AECOM

Drawing Number FIGURE 8.1	Rev 3
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Ref. No.	Receptor Name
Residences (within the 500m study area)	
1	Summerside Residences
2	Campend Residences
3	Old Sheriffhall Farmhouse
4	Melville Cottages
5	Burndale
6	Melville Grange Farmhouse
7	Gimerton Road Residences
Community Facilities (within the 500m study area)	
8	Chapter One Childcare Nursery
9	Sheriffhall Park & Ride
10	Old Colliery Pub Restaurant
11	Spire Shawfair Park Hospital
12	Eginhaugh Farm Pub Restaurant
13	Dobbies Garden Centre & Butterfly World
14	Melville Inn Pub Restaurant
Community Facilities (within the wider 1km study area)	
15	Danderhall Leisure Centre & Library
16	Danderhall Police Station
17	Danderhall Medical Practice
18	Calvary Chapel of Edinburgh
19	Newton Parish Church
20	Melville Golf Centre
21	Cockatoo Restaurant
22	King's Acre Golf Course
Business and Industry Facilities (within the wider 1km study area)	
23	Lowes Fruit Farm (to let), Didcock & Son Upholstery & Sheriffhall Café
24	Shawfair Park
25	Todhills Business Park & Drum Farm Antiques
26	Beijing Banquet Chinese Restaurant
27	Danderhall Co-operative Supermarket
28	Premier Inn Edinburgh (Dalkeith)
29	Melville Castle Hotel

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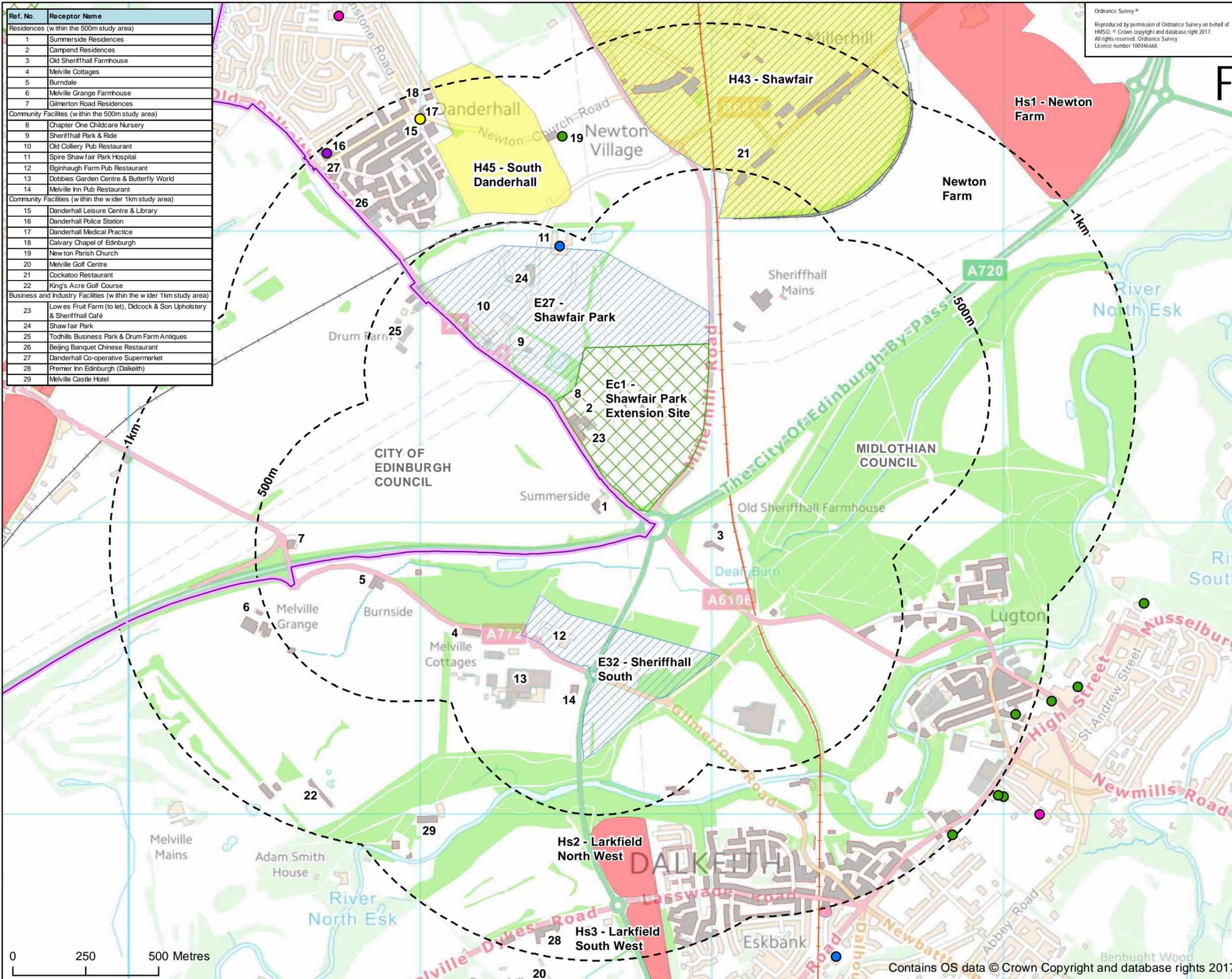
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KEY:

- Study Area
- Public Amenity**
 - Education Facility
 - Hospital
 - Place Of Worship
 - Police Station
 - Railway Track
 - Borders Rail Line
 - Residential properties within 1km
 - Non-residential buildings within 1km
 - Proposed Economic/Business and Industry Areas
 - Proposed LDP Housing Allocations
 - Economic /Business and Industry Areas
 - Existing Development Plan Housing Allocations
 - Woodland
 - Council Boundary



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Revision Details		By	Date	Scale
Purpose of Issue				
FOR INFORMATION				
Client				
Project Title				
A720 SHERIFFHALL ROUNDABOUT				
Drawing Title				
COMMUNITY AND PRIVATE ASSETS				
Designed	Drawn	Checked	Approved	Date
BM	BM	AM	ZM	29/03/2017
AECOM Internal Project No.		Sustainability		
60470009				
Scale @ A3		Zone		
1:12,000				
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FIGURE 9.1				2



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- Approximate Locations of Mine Entries.
- Mine plan S2423
 - Mine plan 1177D
 - Environmental Geology Map, 1981
 - Mine plan S3061
 - Ordnance Survey Sheet, Various Dates
 - 1:10,560 Geological Sheet, 1966
 - Coal Authority Plan
- Approximate Quarry locations. Taken from Historical Maps, 1932, 1936 & 1968
 - Quarry Reference number. Read with Table 4.9.3 of the PSSR.
 - Approximate Opencast Mine location. Taken from Coal Authority Plan.
 - Historical BGS Boreholes
 - Suspect Circular Features, Aerial Photo, 1946
 - Approximate area with Potential for Shallow Mining.

Notes:
 Refer to Coal Authority Plan in Appendix G of PSSR report for Coal Authority mine entry reference numbers.

MINOR CHANGES + ISSUE FOR STAGE 2	JM	06.03.17	A
ISSUE IN PSSR / STAGE 1	HM	13.02.14	O
Revision Details	By	Date	Suffix
Check			

Purpose of issue
FOR INFORMATION



Client
A720 SHERIFFHALL ROUNDABOUT

Drawing Title
MINING AND QUARRYING CONSTRUCTION PLAN

Designed	Drawn	Checked	Approved	Date
CF	HM	SSP	SSP	03.02.14

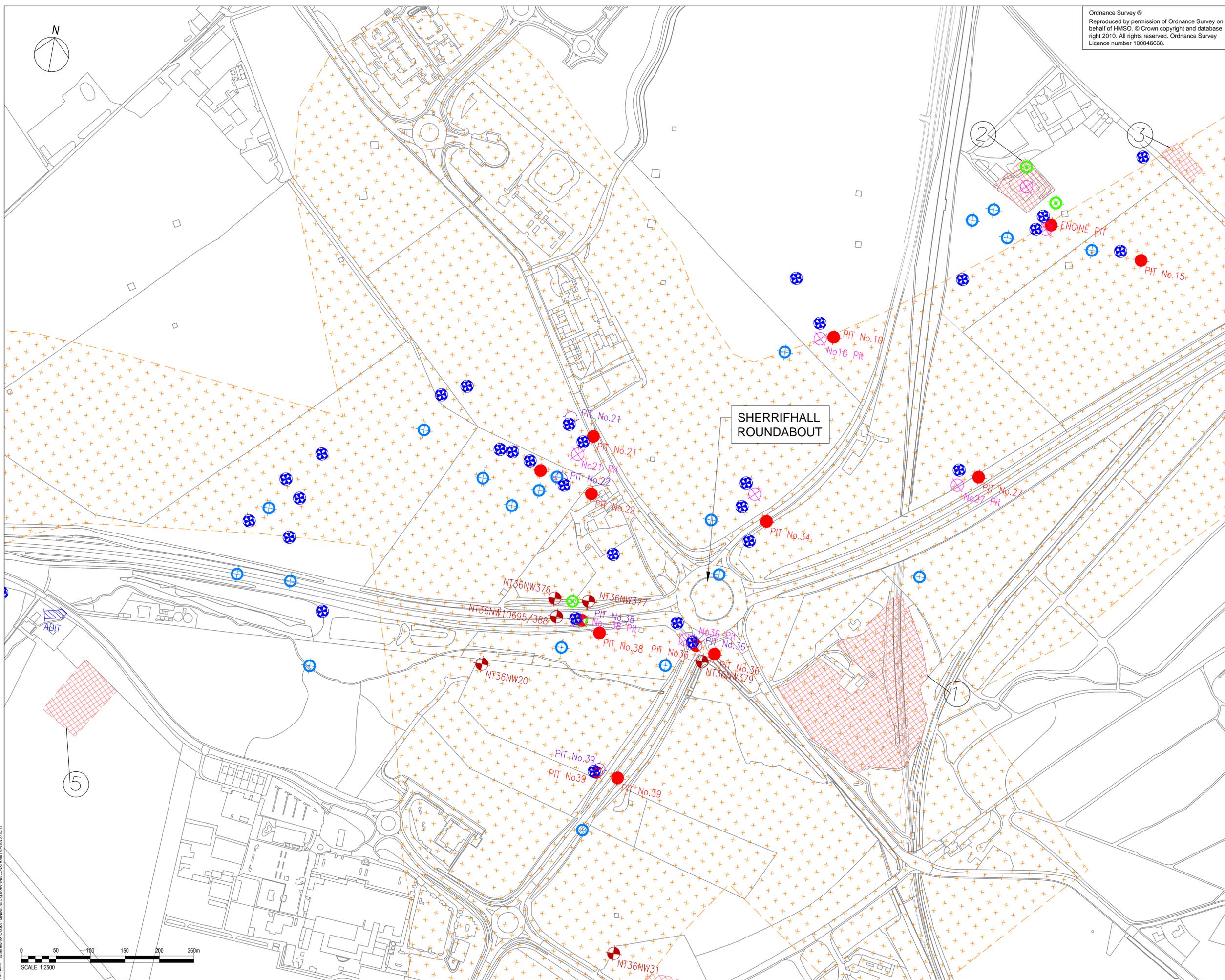
AECOM Internal Project No. 47067662
 Scale 1:2500 @ A1

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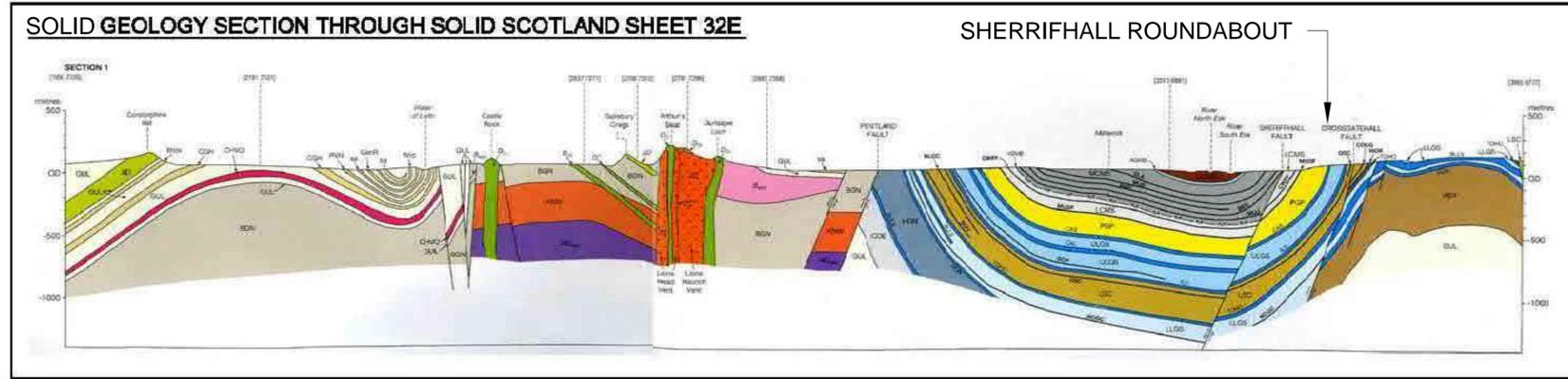
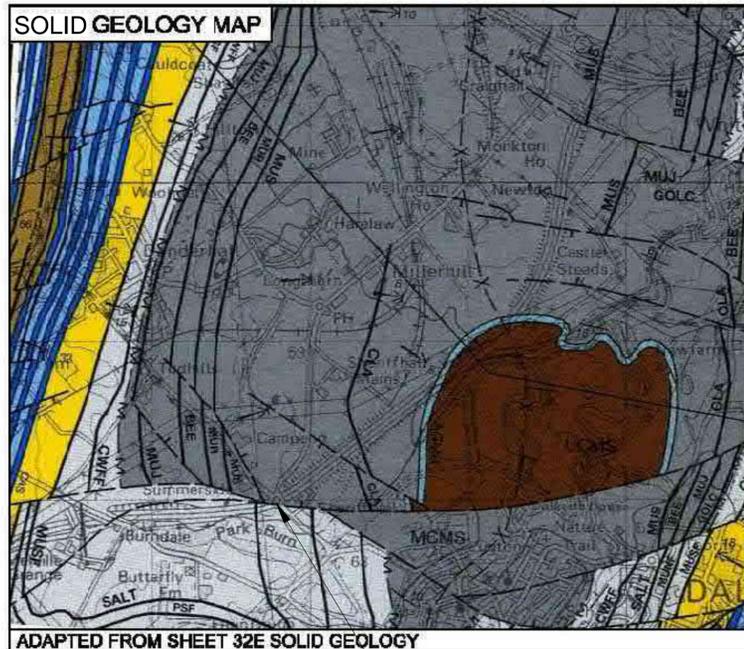
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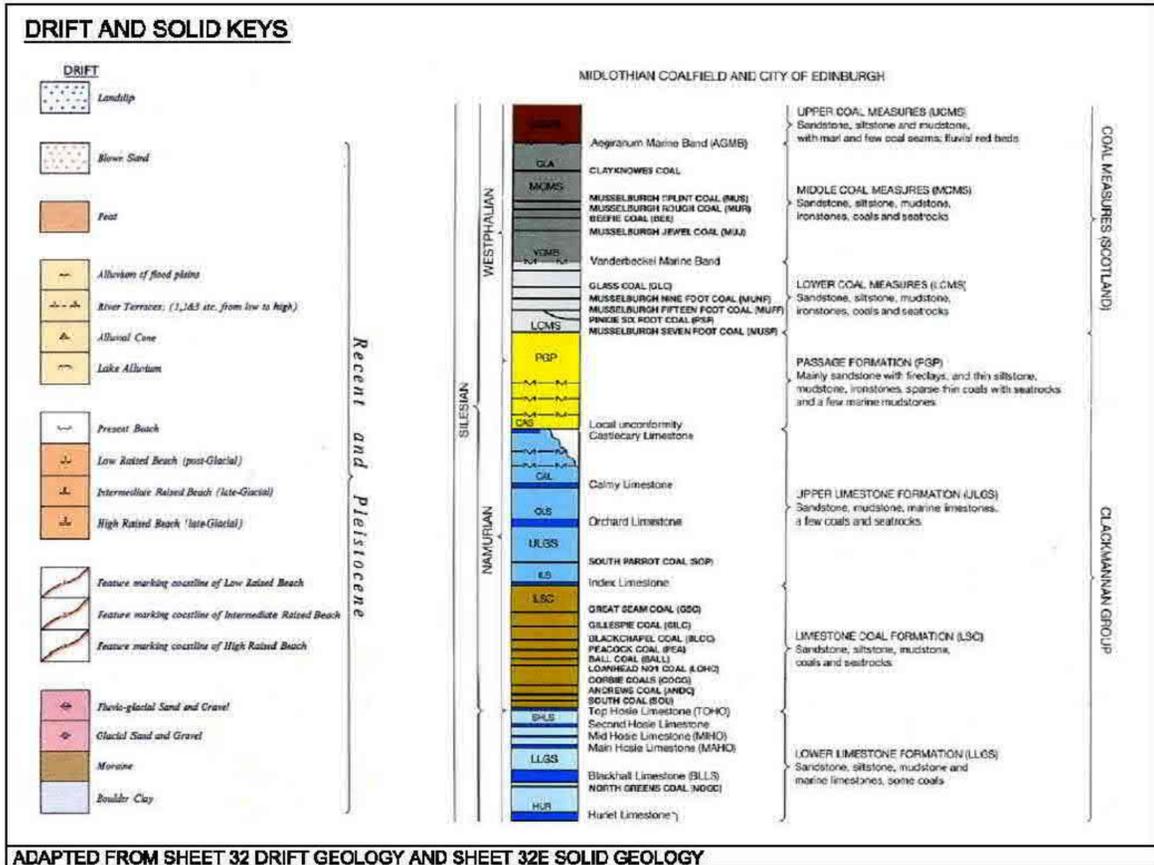
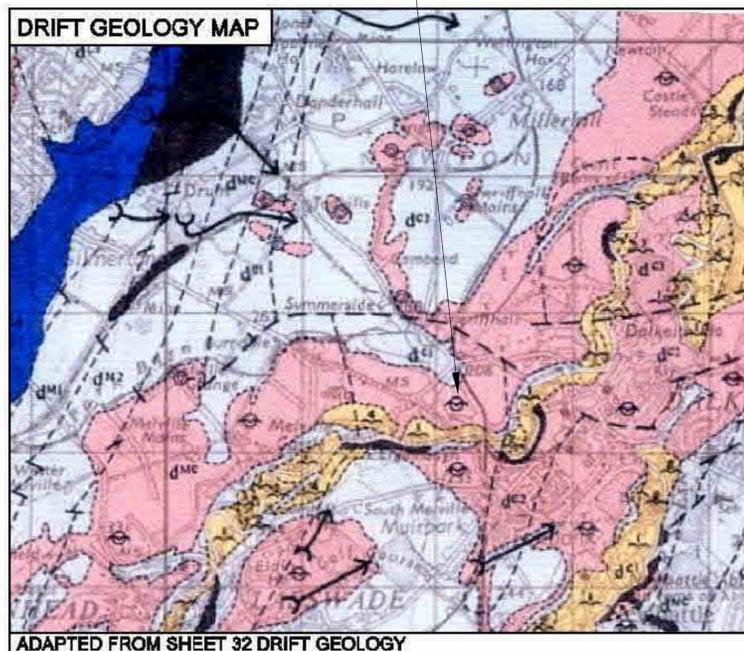
Drawing Number	Rev
FIGURE 10.3	1



File Name: 47067662_S2423_Mining and Quarrying Constraints Plan 27.02.17
 Rev: 1.0
 Date: 27.02.17



SHERRIFHALL ROUNDABOUT



ADAPTED FROM SHEET 32 DRIFT GEOLOGY AND SHEET 32E SOLID GEOLOGY

MINOR CHANGES + ISSUE FOR STAGE 2	JM	06.03.17	A
ISSUE IN PSSR / STAGE 1	HM	13.02.14	O
Revision Details	By	Date	Suffix
	Check		

FOR INFORMATION



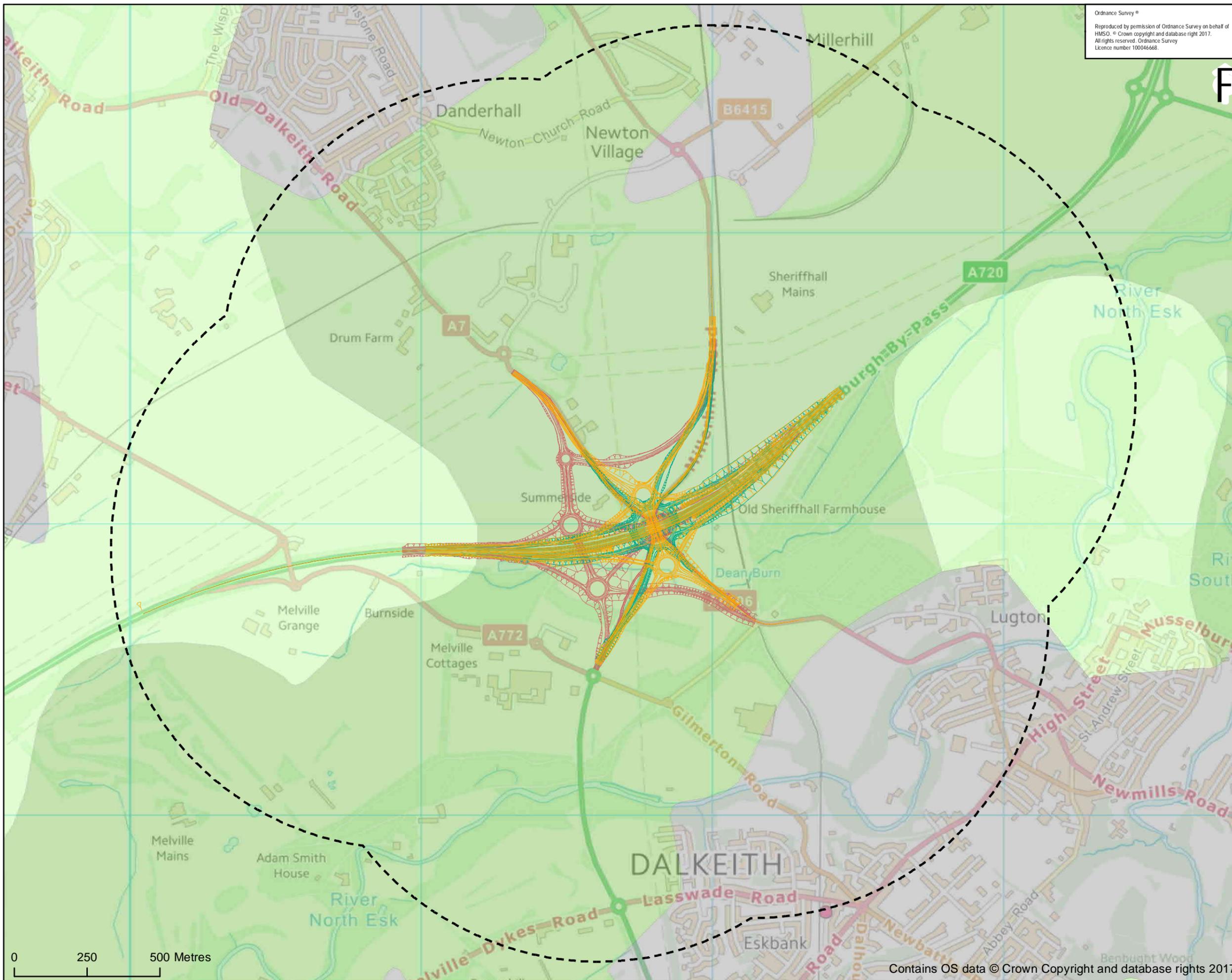
Project Title
A720 SHERIFFHALL ROUNDABOUT

Drawing Title
SOLID + DRIFT GEOLOGY (FROM BGS SHEETS 32 AND 32E)

Designed	Drawn	Checked	Approved	Date
CF	HM	SSP	SSP	03.02.14
AECOM Internal Project No. 47067662			Subsidiary	
Scale		Zone		
NTS				

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KEY:
 [Dashed Line] 1km Study Area
 [Orange Line] Site Layout Option A
 [Teal Line] Site Layout Option B
 [Pink Line] Site Layout Option C

Land Capability Classification
 [Dark Green] 2 - Land Suited to Arable
 Cropping (Land capable of
 producing a wide range of
 crops)
 [Light Green] 3.1 - Land Suited to Arable
 Cropping (Land capable of
 producing a moderate
 range of crops)
 [Grey] 888 - Built Up Areas

F



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Revision Details	By	Date	Scale
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Purpose of Issue
FOR INFORMATION



Project Title
**A720
 SHERIFFHALL ROUNDABOUT**

Drawing Title
AGRICULTURAL LAND QUALITY

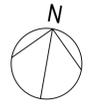
Designed BM	Drawn BM	Checked AM	Approved ZM	Date 29/03/2017
AECOM Internal Project No. 60470009			Sustainability	
Scale @ A3 1:12,000			Zone	

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Drawing Number FIGURE 10.4	Rev 1
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 - Mine plan 1177D
 - Environmental Geology Map, 1981
 - Mine plan S3061
 - Ordnance Survey Sheet, Various Dates
 - 1:10,560 Geological Sheet, 1966
 - Coal Authority Plan
- Approximate Quarry locations.** Taken from Historical Maps, 1932, 1936 & 1968
- Quarry Reference number.** Read with Table 4.9.3 of the PSSR.
- Approximate Opencast Mine location.** Taken from Coal Authority Plan.
- Historical BGS Boreholes**
 Suspect Circular Features, Aerial Photo, 1946
- Approximate area with Potential for Shallow Mining.**

Notes:
 Refer to Coal Authority Plan in Appendix G of PSSR report for Coal Authority mine entry reference numbers.

MINOR CHANGES + ISSUE FOR STAGE 2	JM	06.03.17	A
ISSUE IN PSSR / STAGE 1	HM	13.02.14	O
Revision Details	By	Date	Suffix
	Check		

FOR INFORMATION



Client
A720 SHERIFFHALL ROUNDABOUT

PLAN OF POTENTIAL CONTAMINATION SOURCES

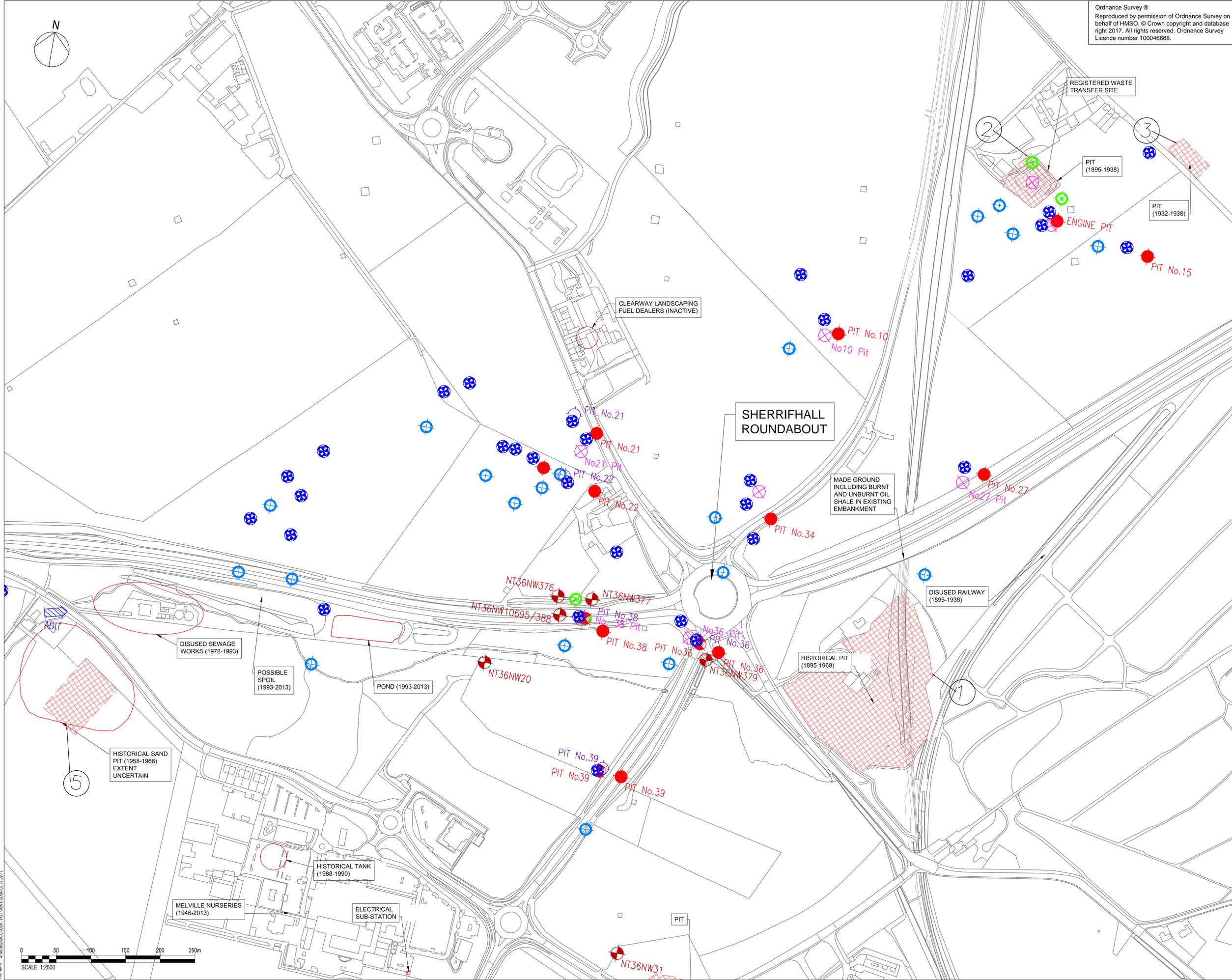
Designed	Drawn	Checked	Approved	Date
CF	HM	SSP	SSP	03.02.14

AECOM Internal Project No. 47067662
 Scale 1:2500 @ A1
 Zone

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Drawing Number	Rev
FIGURE 10.5	1



File Name: 47067662_S2423_Aerial_POT_CONT_SOURCES.rvt
 Plot Date: 14/02/2014 11:52 AM
 Plot Number: 47067662_S2423_Aerial_POT_CONT_SOURCES.rvt

