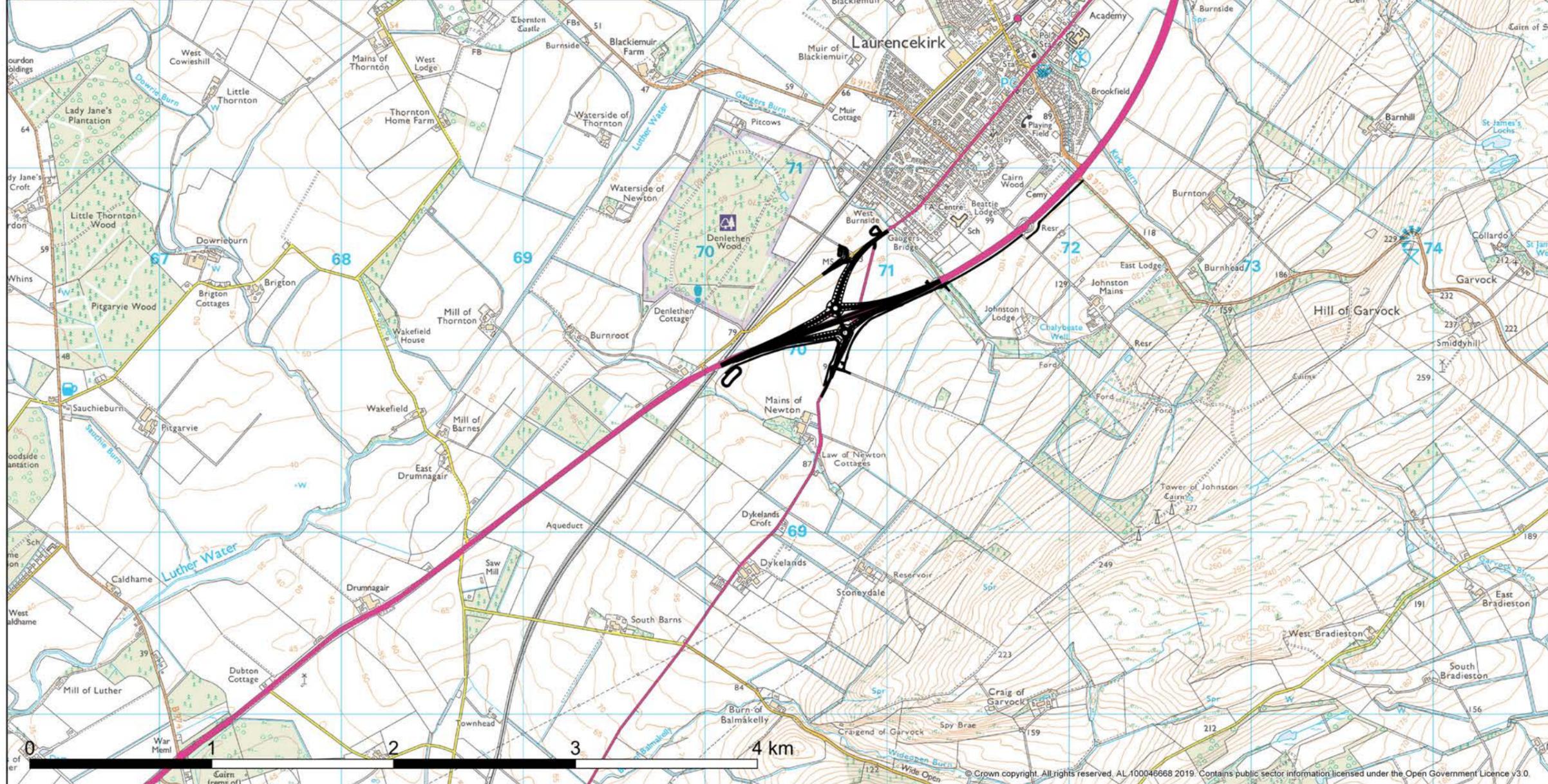
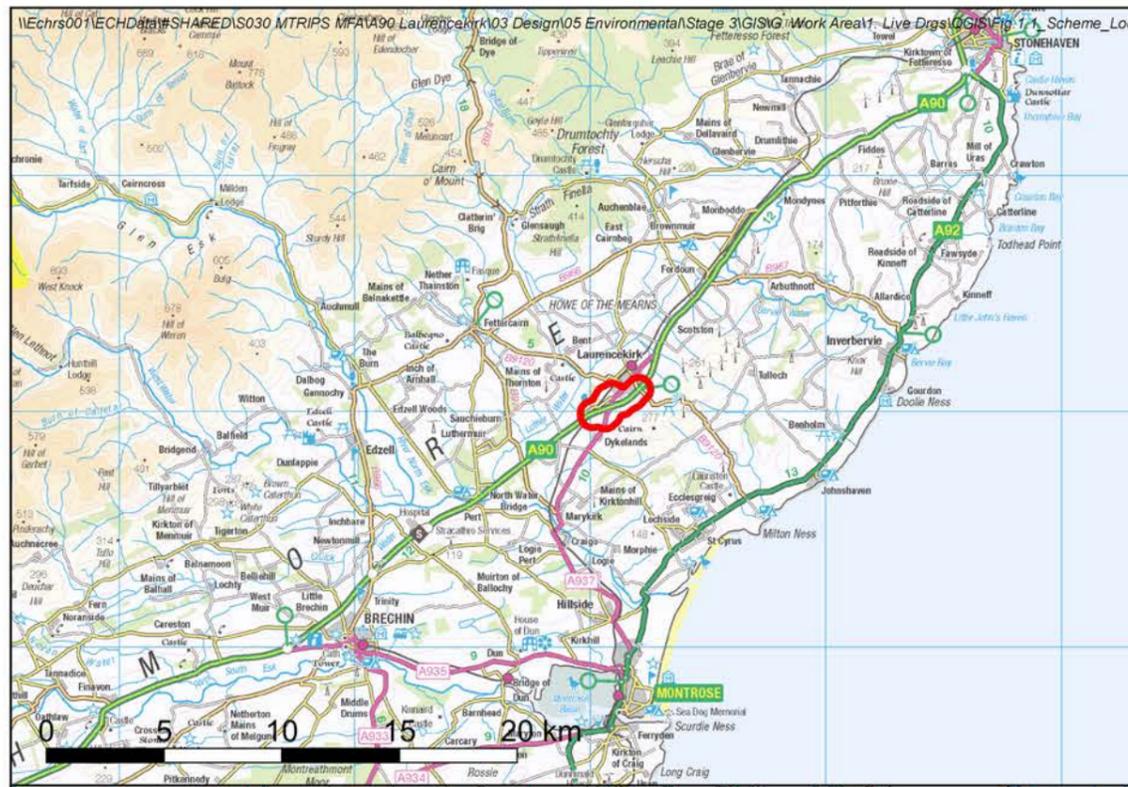


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**Legend**

- Scheme Design
- Scheme Location

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**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

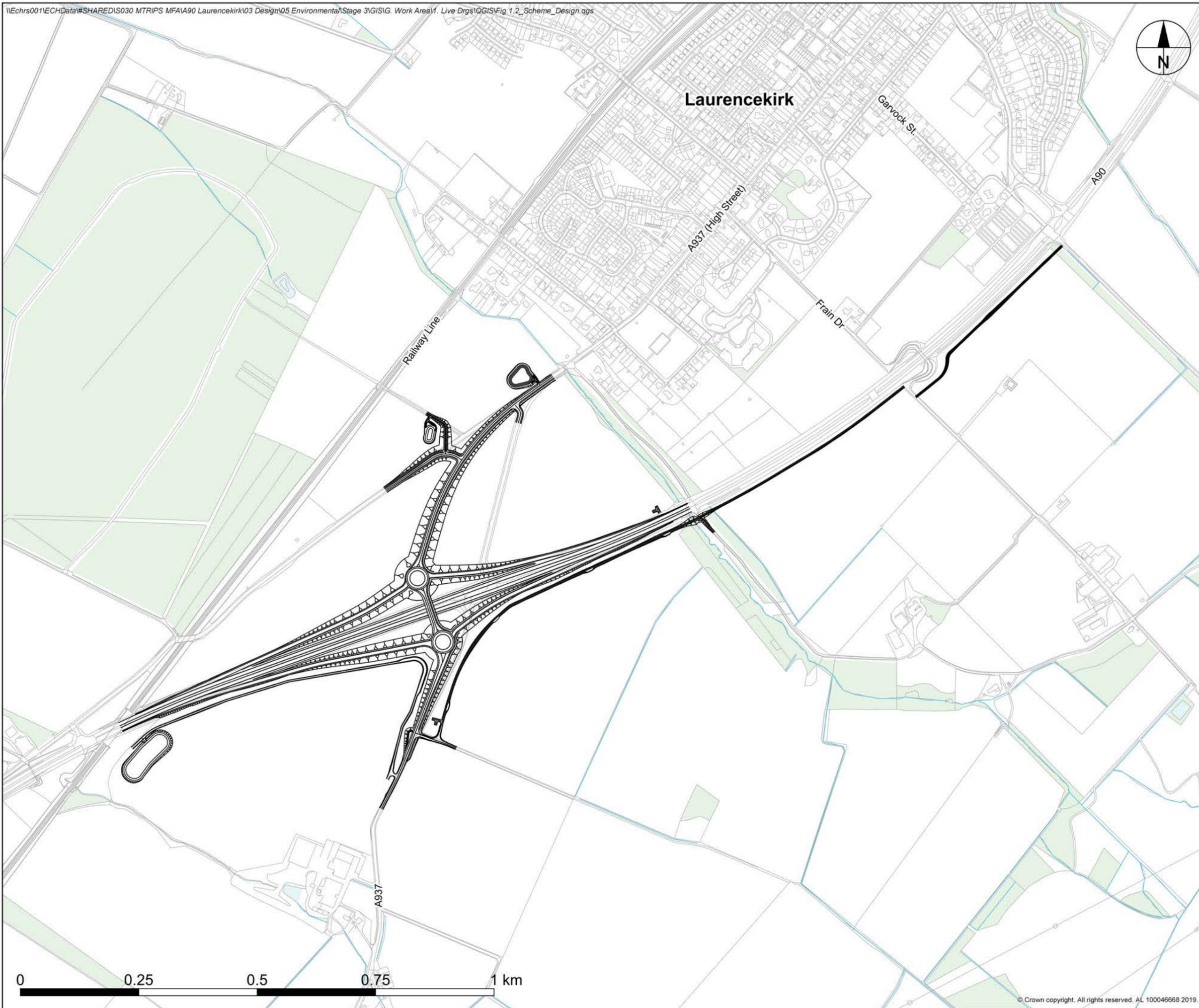
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**Scheme Location**

Original Drg Size : A3	Scale : AS SHOWN
Dimensions :	Page : 1 of 1

Drawing Status : <b>Suitable for Stage Approval</b>	Suitability <b>S4</b>
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Figure No:  
**Figure 1.1**

Drawing No : 25000276-ENV-ES-STAGE_3_GEN-001	Rev <b>P01</b>
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**Legend**

— Scheme Design

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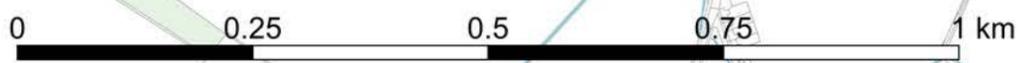
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Original Drg Size : A3	Scale : 1:7,500
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 1.2**

Drawing No : 25000276-ENV-ES-STAGE_3_GEN-002	Rev P01
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**Legend**

— Scheme Design

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Drawing Title :

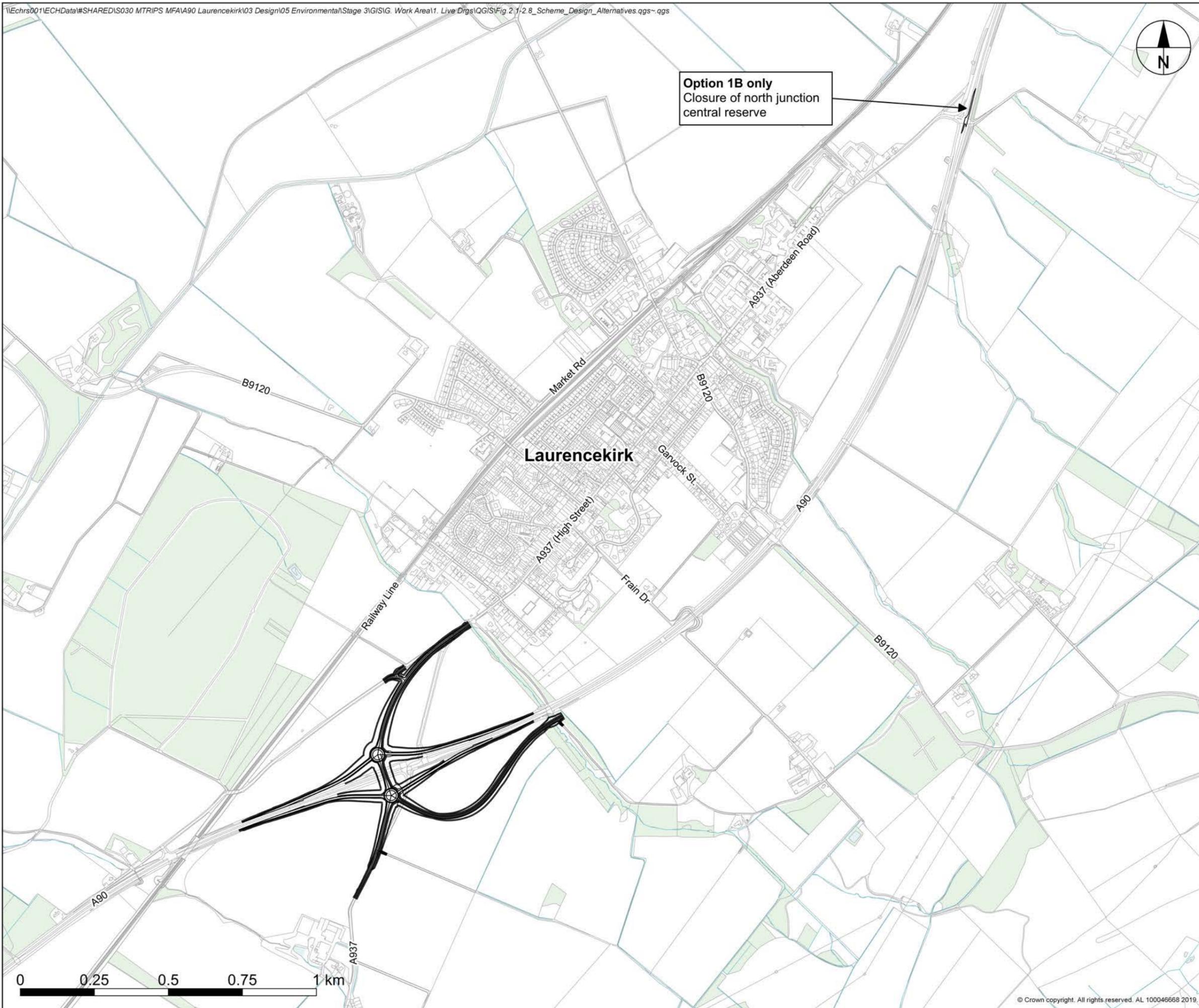
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Dimensions :	Page : 1 of 1

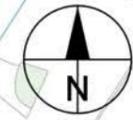
Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 1.3**

Drawing No : 25000276-ENV-ES-STAGE_3_GEN-003	Rev P01
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**Option 1B only**  
 Closure of north junction  
 central reserve



**Legend**

Options 1A & 1B

Rev	Revision Details	Drwn	Chkd	Appd	Date:



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**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

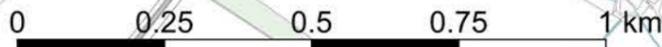
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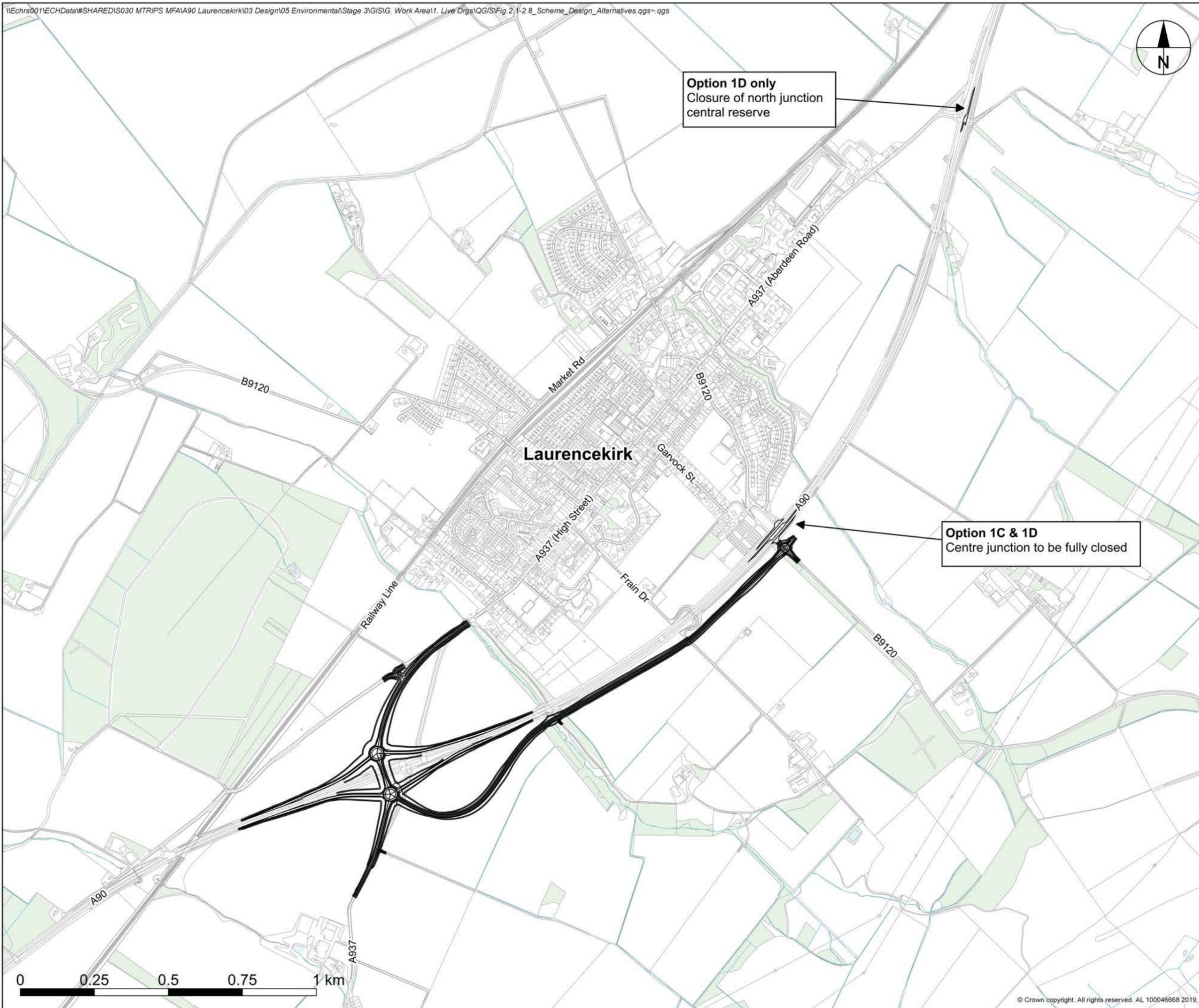
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Drawing Status : **Suitable for Stage Approval**      Suitability **S4**

Figure No :  
**Figure 2.1**

Drawing No : 25000276-ENV-ES-STAGE\_3\_GEN-004      Rev **P01**





**Legend**

Options 1C & 1D

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**Stage 3 Environmental Impact Assessment Report**

Drawing Title :

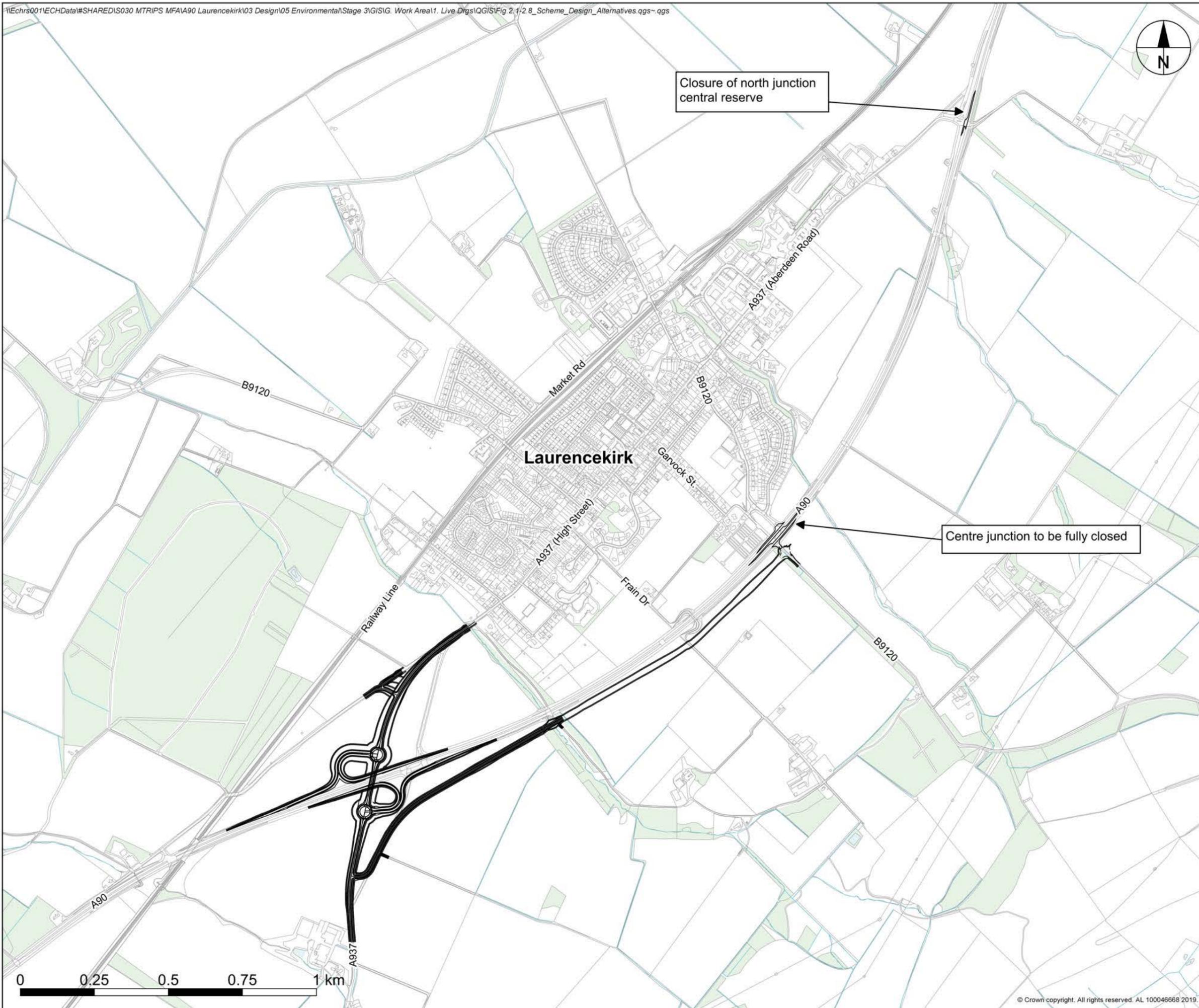
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Original Drg Size : A3      Scale : 1:7,500  
 Dimensions :                  Page : 1 of 1

Drawing Status : **Suitable for Stage Approval**      Suitability **S4**

Figure No :  
**Figure 2.2**

Drawing No : 25000276-ENV-ES-STAGE\_3\_GEN-005      Rev **P01**



**Legend**

— Option 2D

Rev	Revision Details	Drwn	Chkd	Appd	Date

Designed: JB	Date: 29/07/2019
Drawn: JB	Date: 29/07/2019
Checked: ACT	Date: 29/07/2019
Approved: AW	Date: 29/07/2019

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Drawing Title :

**Design Alternatives**  
**Option 2D**

Original Drg Size : A3	Scale : 1:7,500
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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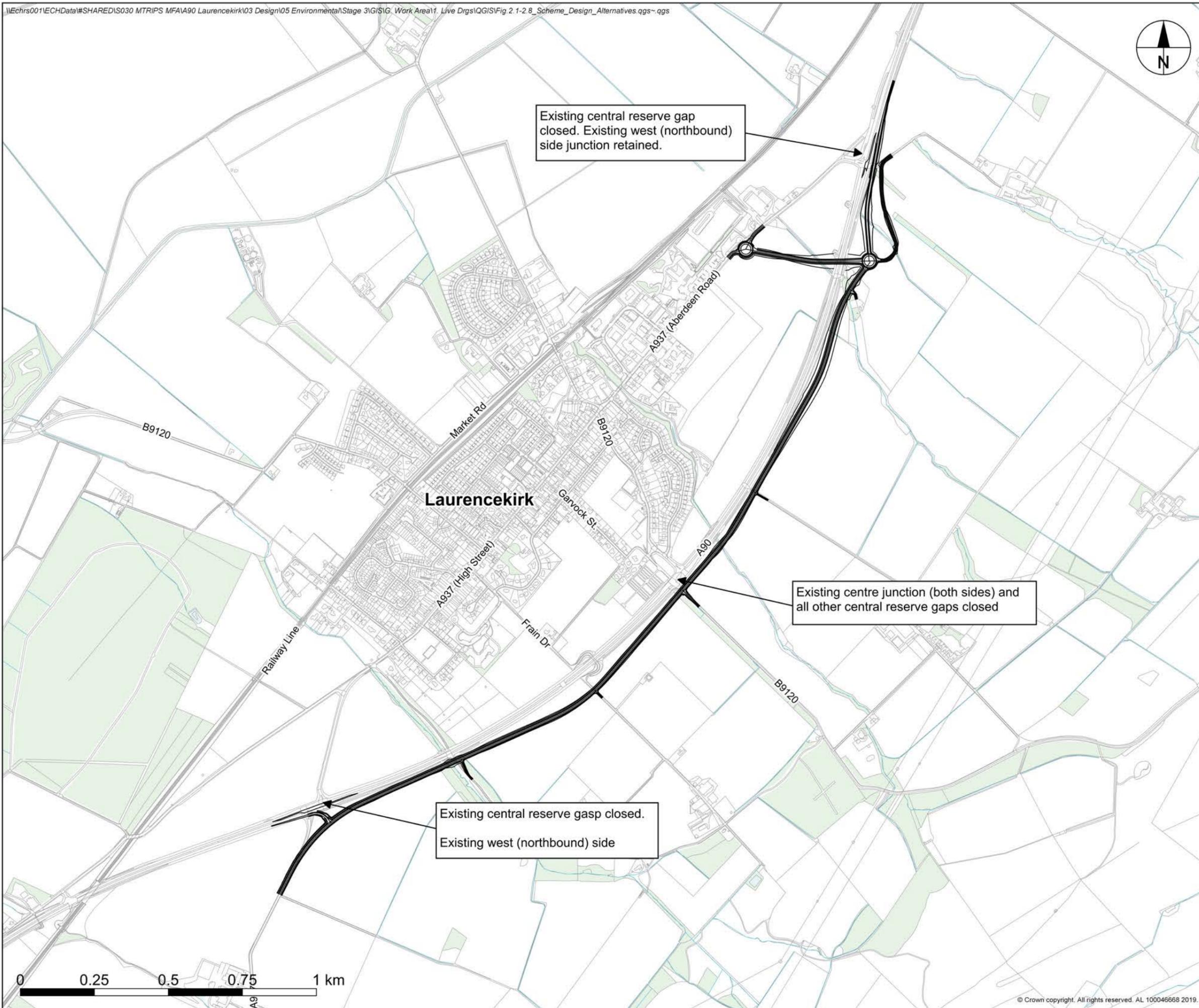
Figure No :  
**Figure 2.3**

Drawing No : 25000276-ENV-ES-STAGE_3_GEN-006	Rev P01
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**Legend**

— Option 3



Existing central reserve gap closed. Existing west (northbound) side junction retained.

Existing centre junction (both sides) and all other central reserve gaps closed

Existing central reserve gap closed. Existing west (northbound) side

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Drawing Title :

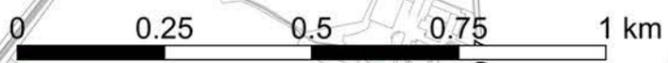
**Design Alternatives Option 3**

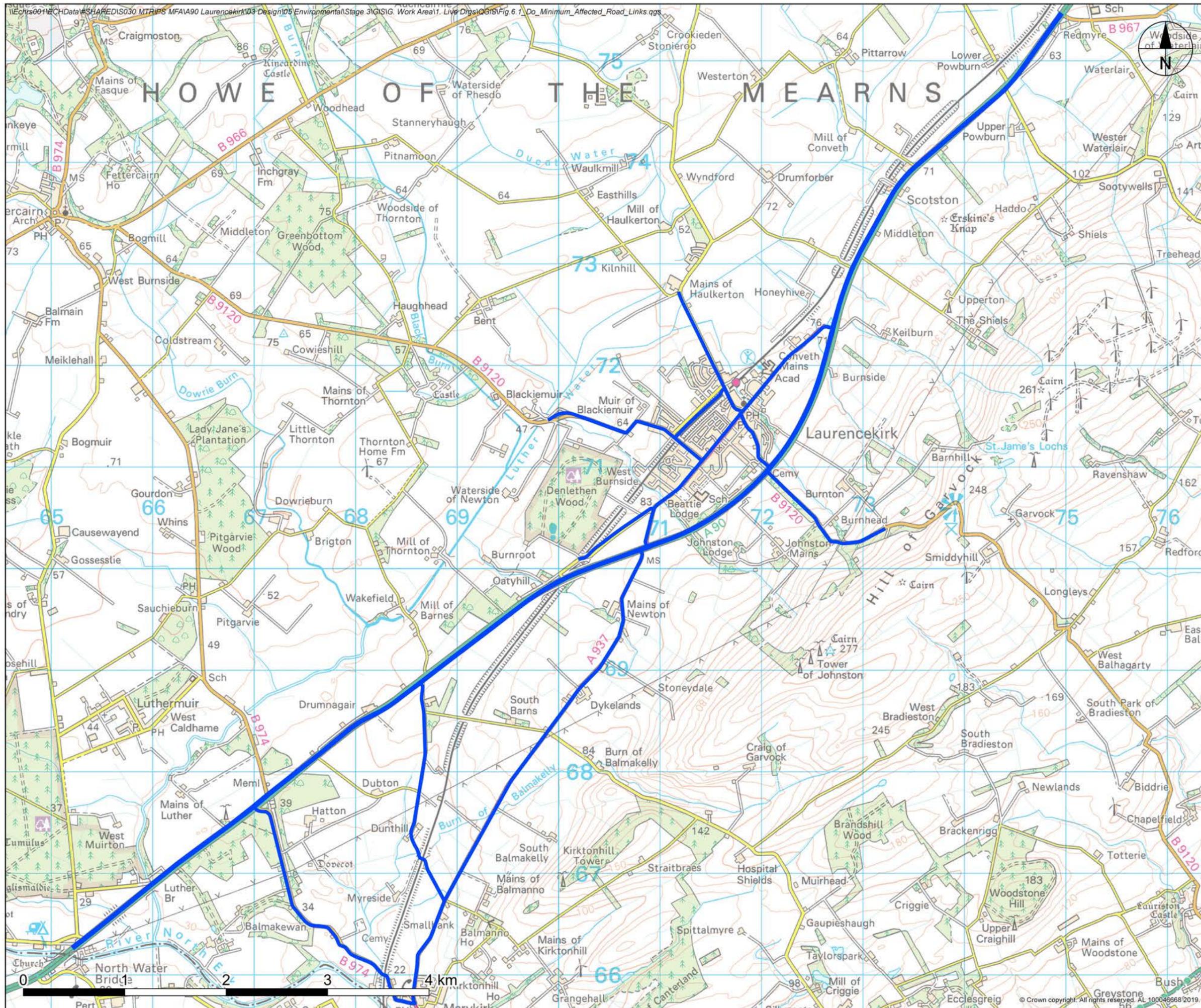
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 Dimensions :                  Page : 1 of 1

Drawing Status : **Suitable for Stage Approval**      Suitability **S4**

Figure No :  
**Figure 2.4**

Drawing No : 25000276-ENV-ES-STAGE\_3\_GEN-008      Rev **P01**





**Legend**

- Affected Road Links

Rev	Revision Details	Drwn	Chkd	Appd	Date

Designed: MP Date: 26/06/2019  
 Drawn: JB Date: 26/06/2019  
 Checked: ACT Date: 26/06/2019  
 Approved: AVW Date: 26/06/2019

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COMHDAIL ALBA

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Drawing Title: **Do Minimum Affected Road Links**

Original Drg Size : A3	Scale : 1:35,000
Dimensions :	Page : 1 of 1

Drawing Status : <b>Suitable for Stage Approval</b>	Suitability <b>S4</b>
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Figure No: **Figure 6.1**

Drawing No: 25000276-ENV-ES-STAGE_3_AIR-001	Rev <b>P01</b>
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**Legend**

- Scheme Design
- Affected Road Links

Rev	Revision Details	Drwn	Chkd	Appd	Date

Designed: MP Date: 26/06/2019  
 Drawn: JB Date: 26/06/2019  
 Checked: ACT Date: 26/06/2019  
 Approved: AV Date: 26/06/2019

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Project Name: **A90/A937 Laurencekirk Junction Improvement Scheme Stage 3 Environmental Impact Assessment Report**

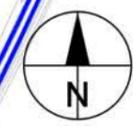
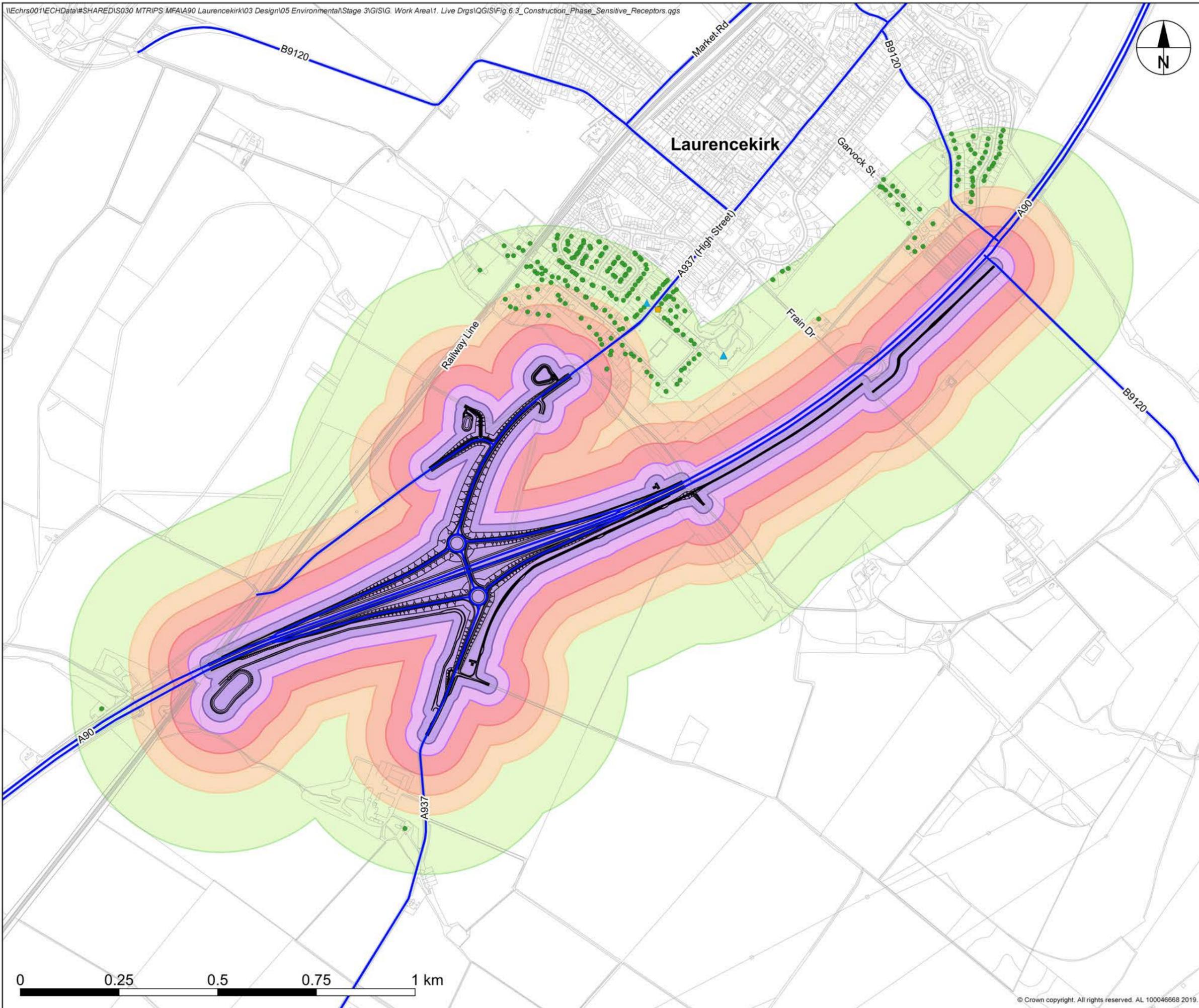
Drawing Title: **Do Something Affected Road Links**

Original Drg Size : A3	Scale : 1:35,000
Dimensions :	Page : 1 of 1

Drawing Status : <b>Suitable for Stage Approval</b>	Suitability <b>S4</b>
---	-----------------------

Figure No: **Figure 6.2**

Drawing No: 25000276-ENV-ES-STAGE_3_AIR-002	Rev <b>P01</b>
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**Legend**

- Scheme Design
- Affected Road Links

**Receptors**

- Commercial
- ▲ Community
- Residential

**Distance Buffers**

- 0-20m
- 20-50m
- 50-100m
- 100-150m
- 150-200m
- 200-350m

Rev	Revision Details	Drwn	Chkd	Appd	Date:

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Project Name:  
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Drawing Title:

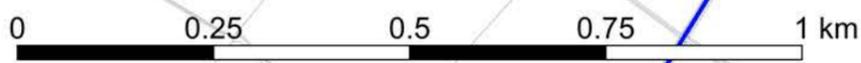
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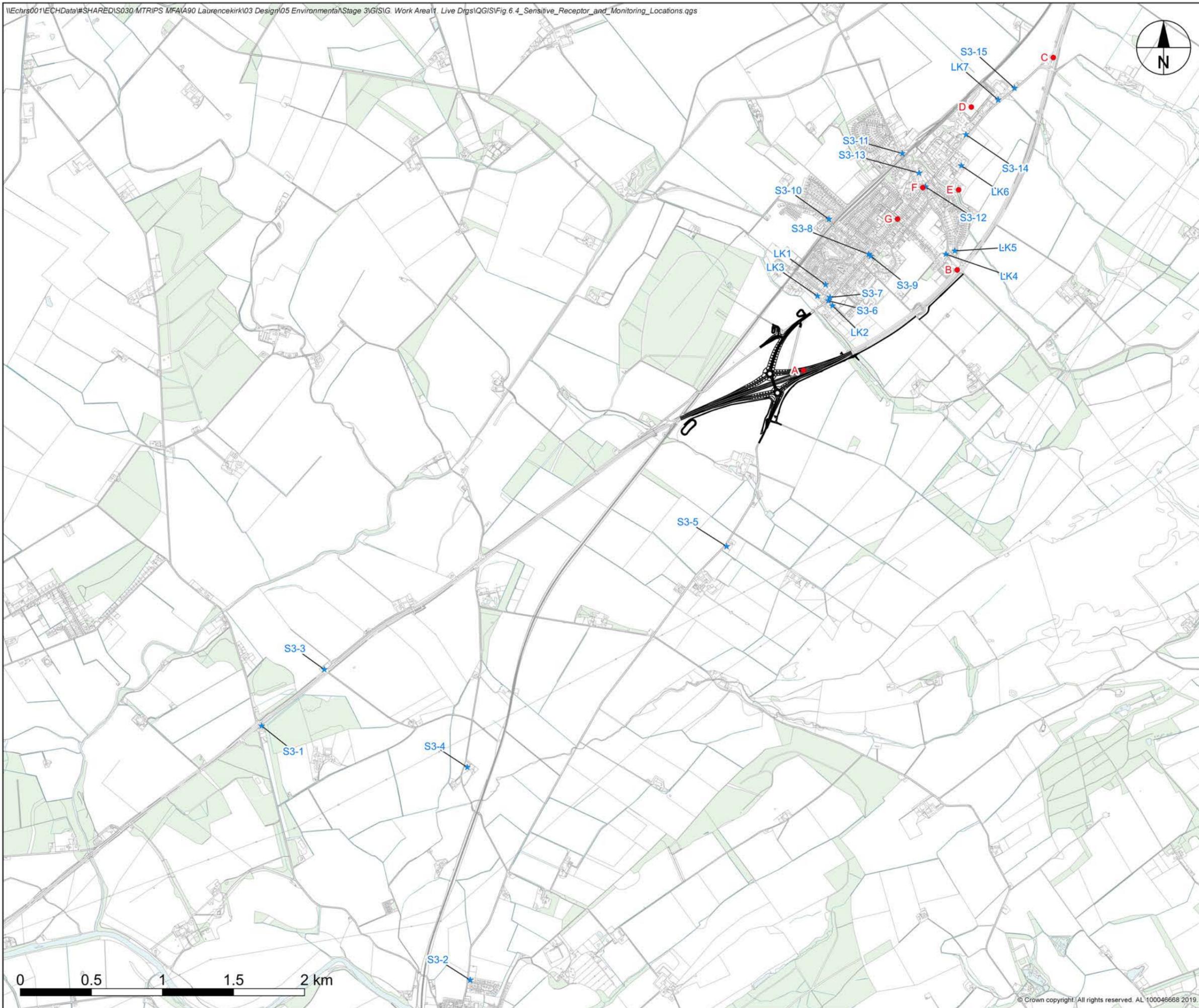
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Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No:  
**Figure 6.3**

Drawing No : 25000276-ENV-ES-STAGE_3_AIR-003	Rev P01
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- Legend**
- Scheme Design
  - Monitoring Locations
  - ★ Existing Sensitive Receptor Locations

Rev	Revision Details	Drwn	Chkd	Appd	Date:



Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Existing Sensitive Receptor and Monitoring Locations**

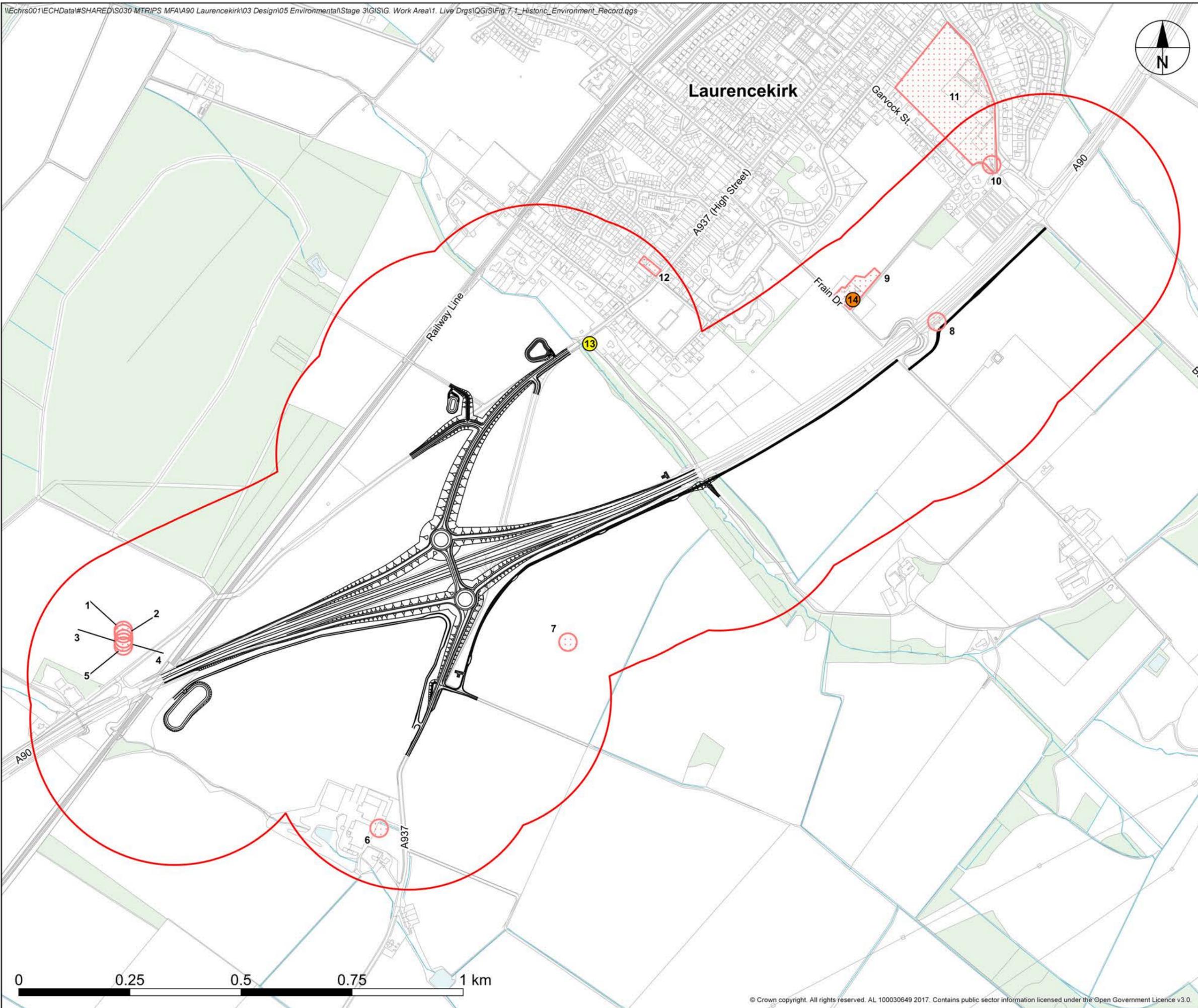
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Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 6.4**

Drawing No : 25000276-ENV-ES-STAGE_3_AIR-004	Rev P01
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**Legend**

- Scheme Design
- Study Area (300m Buffer)
- ▤ Aberdeenshire Council Undesignated Historic Environment Record (HER)

**Listed Building**

- Grade A
- Grade B
- Grade C

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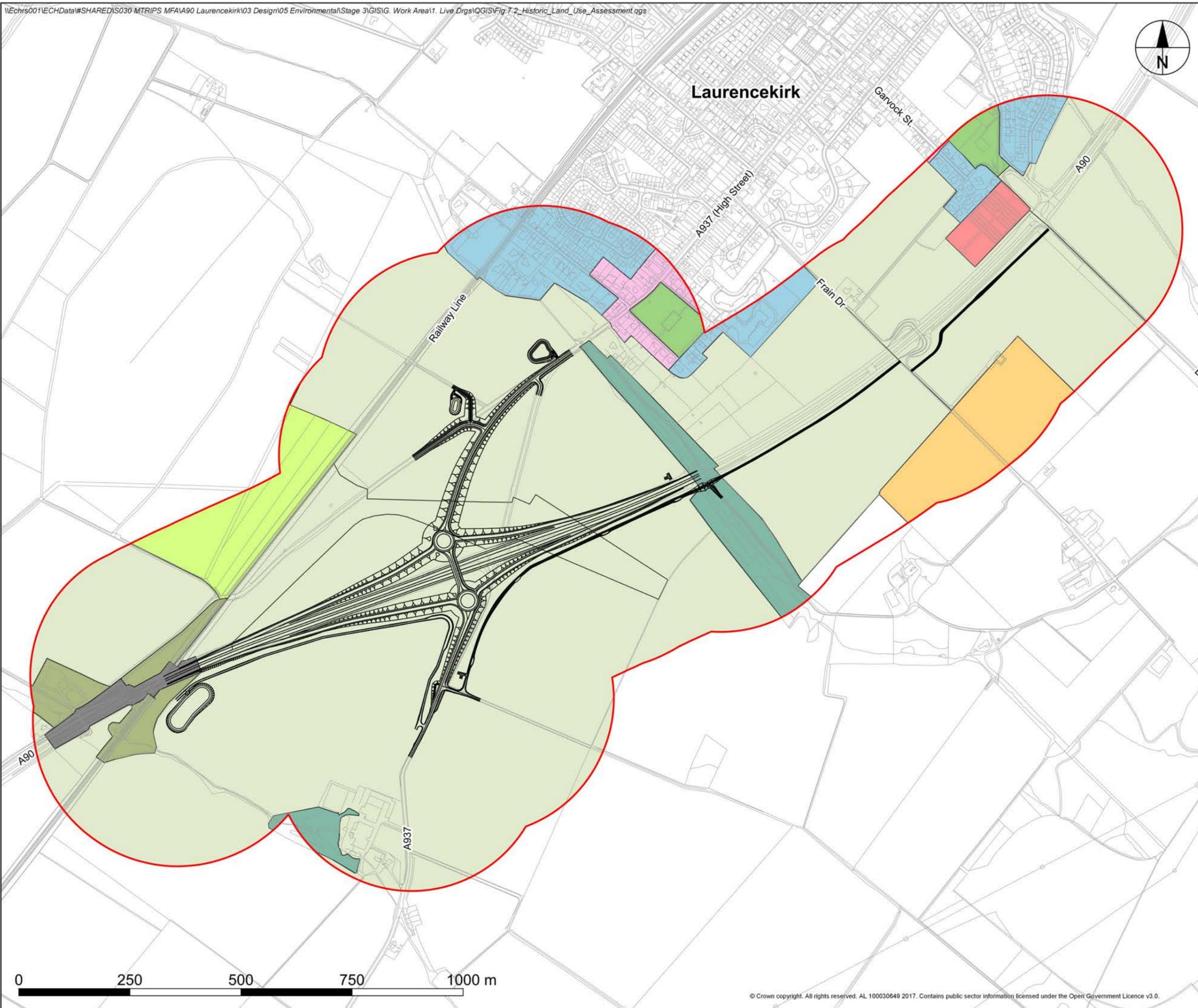
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Client:

Project Name:  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title:  
**Historic Environment Record**

Original Drg Size : A3	Scale : 1:8,000
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 7.1	
Drawing No : 25000276-ENV-ES-STAGE_3_CH-001	Rev P01



**Legend**

- Scheme Design
- Study Area (300m Buffer)

**Historic Land Use Assessment (Type)**

- Agricultural Planned Village
- Cemetery
- Managed Woodland
- Motorway
- Planned Rectilinear Fields and Farms
- Plantation
- Recreation Area
- Rectilinear Fields and Farms
- Rough Grazing
- Urban Area

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**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Historic Land Use Assessment**

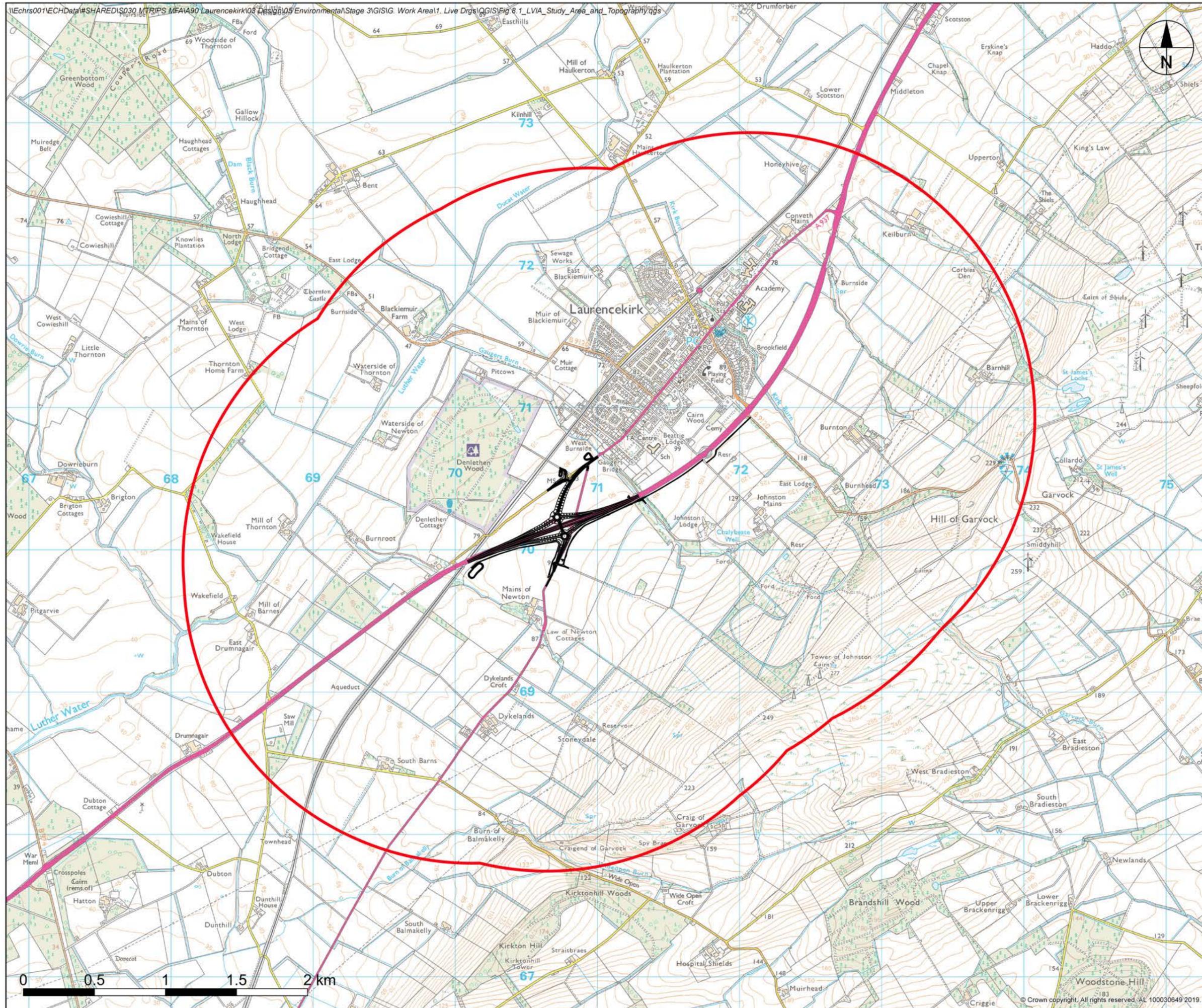
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Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 7.2**

Drawing No : 25000276-ENV-ES-STAGE_3_CH-002	Rev P01
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**Legend**

- Scheme Design
- 2km LVIA Study Area

Rev	Revision Details	Drwn	Chkd	Appd	Date:
	Designed: JB				Date: 24/06/2019
	Drawn: JB				Date: 24/06/2019
	Checked: ACT				Date: 24/06/2019
	Approved: AV				Date: 24/06/2019

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**Stage 3 Environmental Impact Assessment Report**

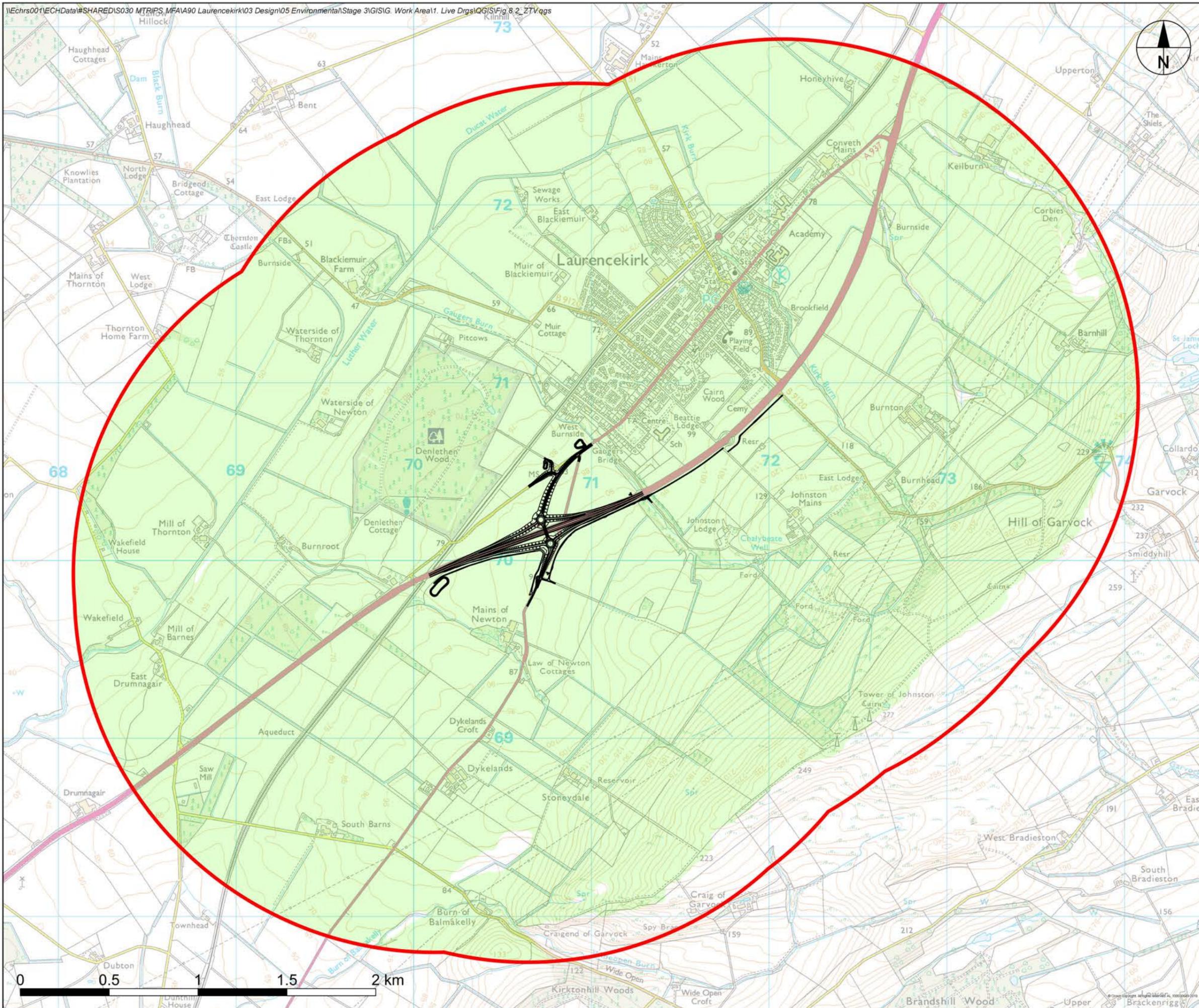
Drawing Title: **LVIA Study Area and Topography**

Original Drg Size : A3	Scale : 1:20,000
Dimensions :	Page : 1 of 1

Drawing Status : <b>Suitable for Stage Approval</b>	Suitability <b>S4</b>
---	-----------------------

Figure No : **Figure 8.1**

Drawing No : 25000276-ENV-ES-STAGE_3_LVA-001	Rev <b>P01</b>
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**Legend**

- Scheme Design
- 2km LVIA Study Area
- Zone of Theoretical Visibility**
- Not Visible
- Visible

**NOTE:**  
ZTV analysis indicates potential visibility of the proposed scheme (with screening) based on the height of the overbridge plus 4.5m.

Rev	Revision Details	Drwn	Chkd	Appd	Date:

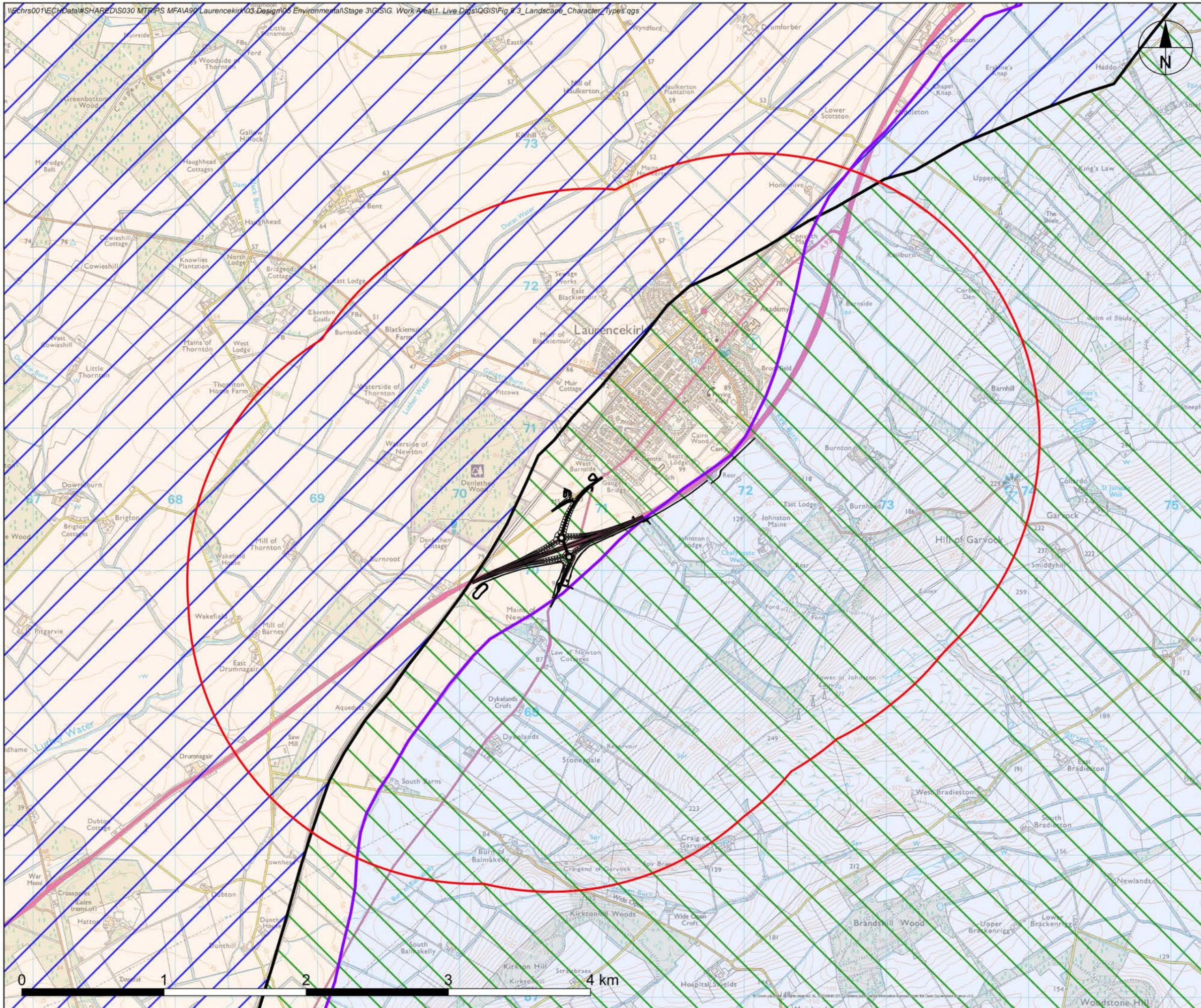


Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Zone of Theoretical Visibility**

Original Drg Size : A3	Scale : 1:20,000
Dimensions :	Page : 1 of 1
Drawing Status : <b>Suitable for Stage Approval</b>	Suitability <b>S4</b>
Figure No : <b>Figure 8.2</b>	
Drawing No : 25000276-ENV-ES-STAGE_3_LVA-002	Rev <b>P01</b>





- Legend**
- Scheme Design
  - Study Area (2km Buffer)
- Aberdeenshire Local Landscape Designations**
- ▭ Garvock and Glenbervie
  - ▭ Howe of the Mearns
- Scottish Natural Heritage - Landscape Character Type**
- ▭ Broad Valley Lowlands
  - ▭ Coastal Farmed Ridges and Hills

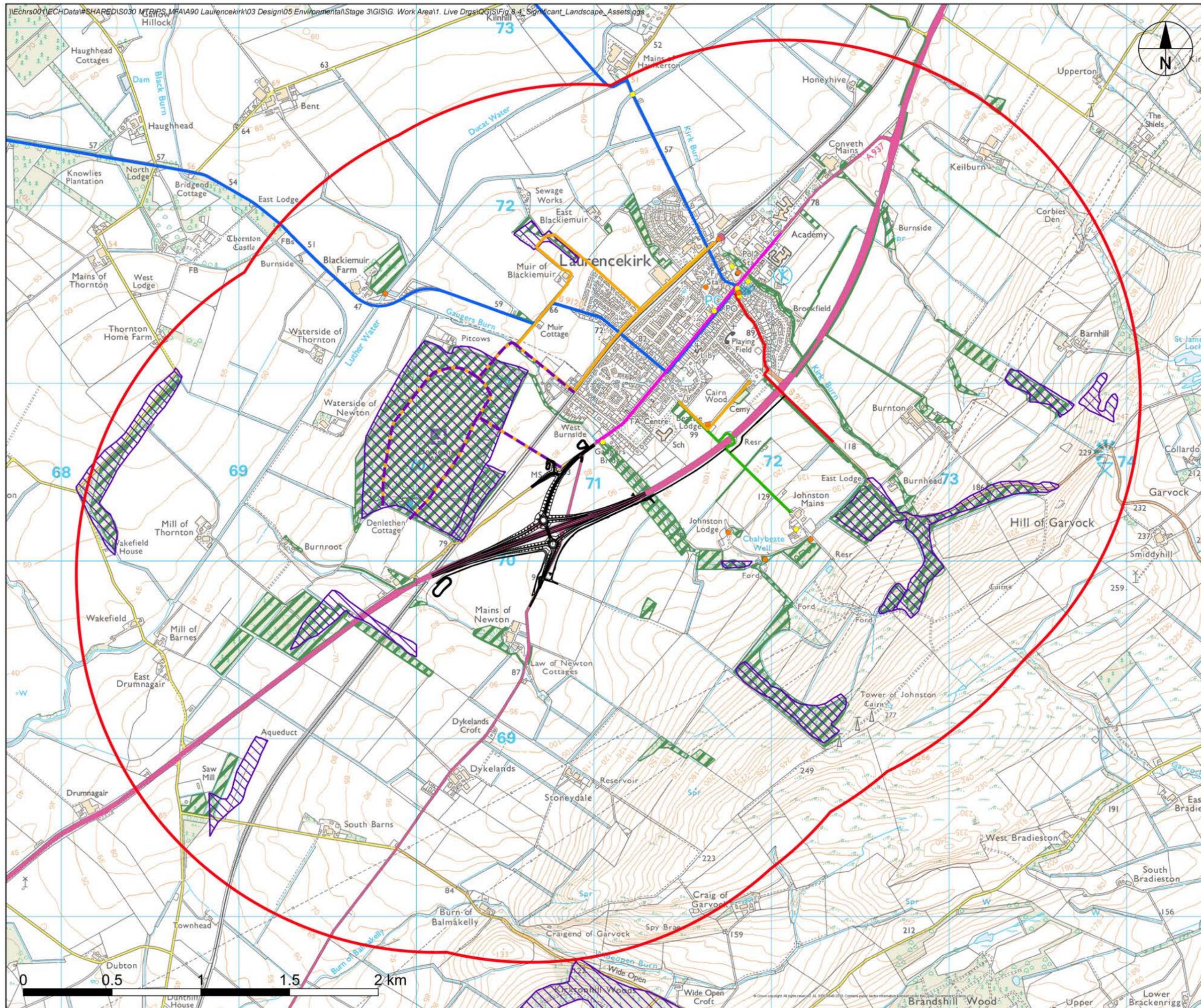
Rev	Revision Details	Drwn	Chkd	Appd	Date:



Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Landscape Character Types**

Original Drg Size : A3	Scale : 1:25,000
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 8.3	
Drawing No : 25000276-ENV-ES-STAGE_3_LVA-003	Rev P01



### Legend

- Scheme Design
- 2km LVIA Study Area
- Hedge / Tree Belt
- Woodland
- Ancient Woodland

### Listed Building

- Grade A
- Grade B
- Grade C

### Non-Motorised User Routes (NMU)

- Route 1 - B9120 pedestrian crossing of the A90 at middle junction
- Route 2 - Frain drive, A90 underpass and core paths
- Route 3 - Blackiemuir Avenue/ Gardenston Street and Denlethen Woods
- Route 4 - Laurencekirk High Street
- Laurencekirk to Fettercairn Circular Cycle Path
- Core Paths

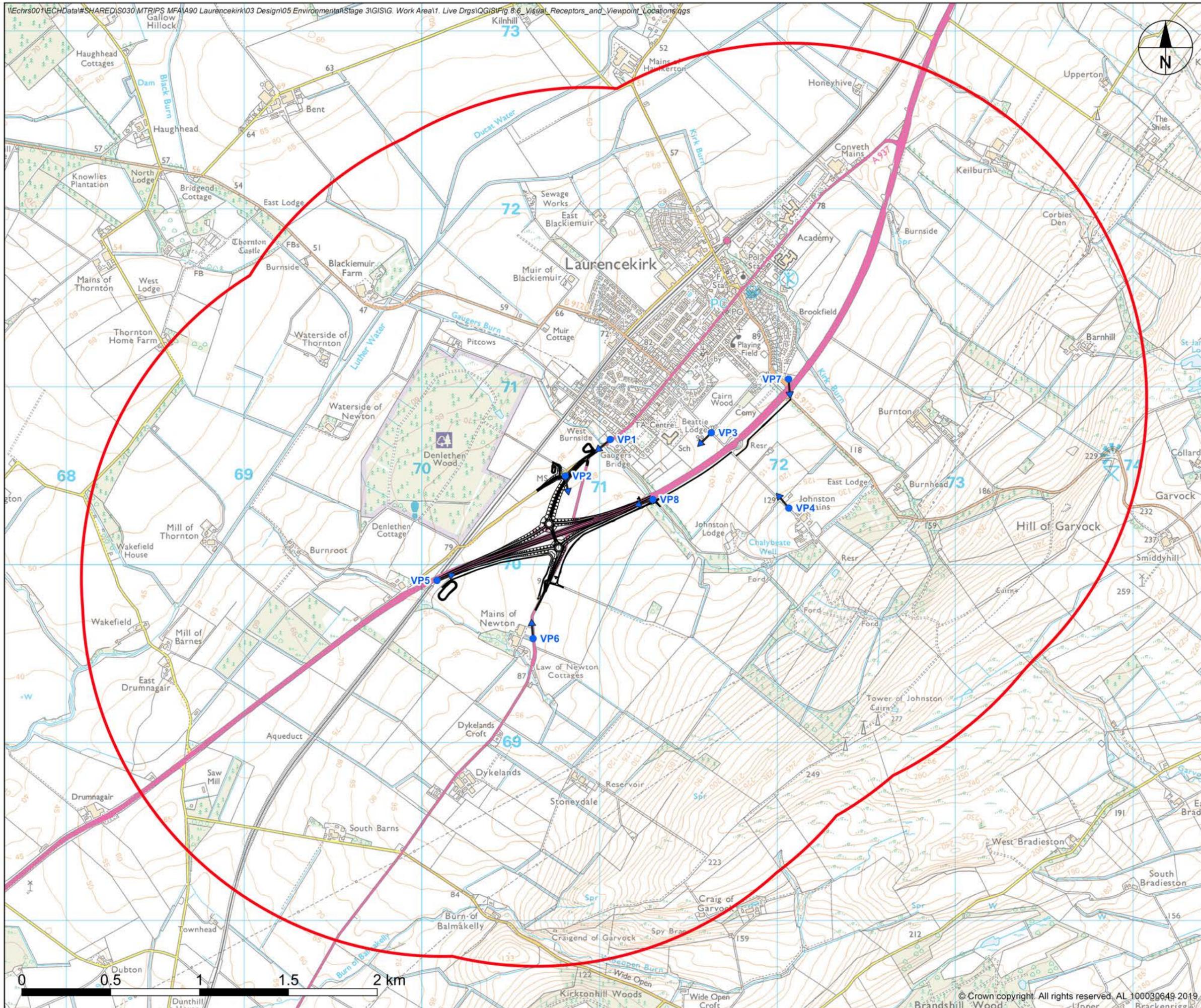
Rev	Revision Details	Drwn	Chkd	Appd	Date:



Project Name:  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title:  
**Significant Landscape Assets**

Original Drg Size : A3	Scale : 1:20,000
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 8.4	
Drawing No : 25000276-ENV-ES-STAGE_3_LVA-004	Rev P01



**Legend**

- Scheme Design
- 2km LVIA Study Area
- Visual Receptor Location

Receptor	Location
VP1	A937 entering/exiting Laurencekirk
VP2*	Core Path, east of Dunlethan Wood
VP3	Beattie Lodge
VP4	Track leading to Johnston Mains
VP5*	A90 / Oatyhill
VP6*	A937 at Mains of Newton
VP7	B9120 / A90
VP8*	Minor Road west of Gaugers Bridge

\*Locations of selected viewpoints. See Figures 8.7 to 8.10

Rev	Revision Details	Drwn	Chkd	Appd	Date:

Designed: SI Date: 24/06/2019  
 Drawn: JB Date: 24/06/2019  
 Checked: ACT Date: 24/06/2019  
 Approved: AV Date: 24/06/2019

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Drawing Title: **Visual Receptors and Viewpoint Locations**

Original Drg Size : A3	Scale : 1:20,000
Dimensions :	Page : 1 of 1

Drawing Status : <b>Suitable for Stage Approval</b>	Suitability <b>S4</b>
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Figure No: **Figure 8.5**

Drawing No: 25000276-ENV-ES-STAGE_3_LVA-005	Rev <b>P01</b>
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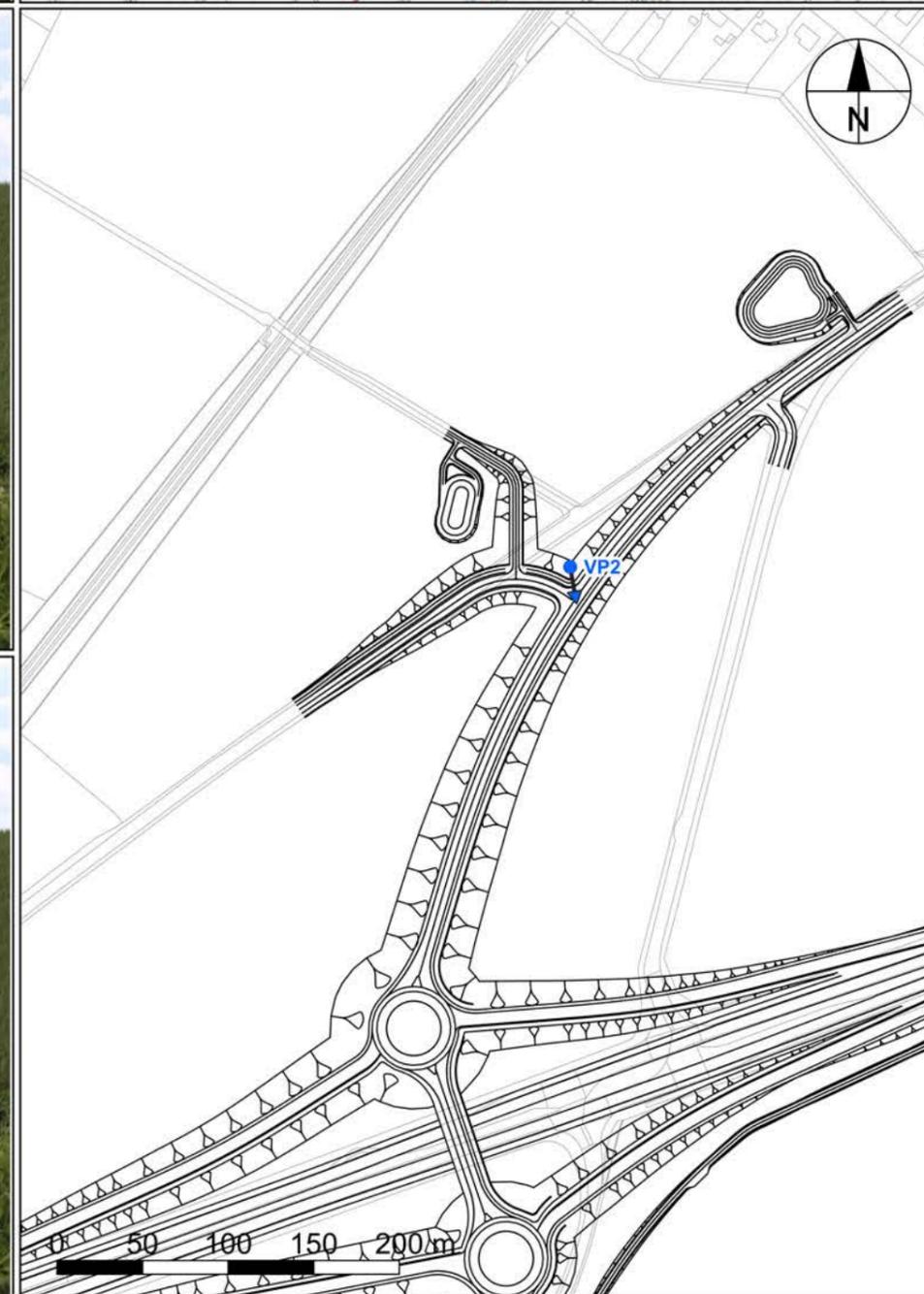
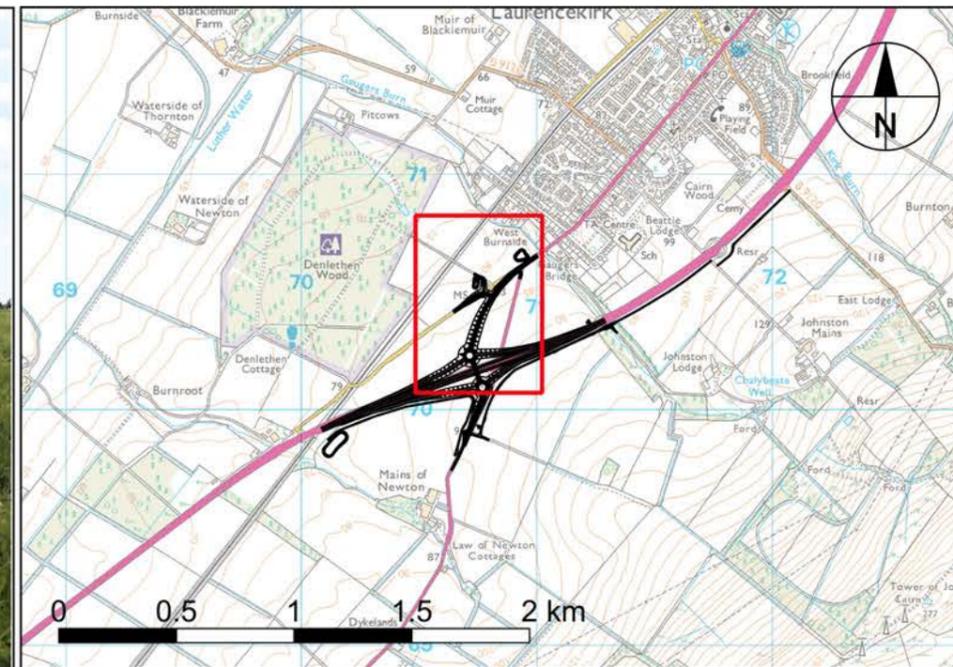
Existing View



Year 1



Year 15



Visualisation Type	Type 1
Projection	Planar
Date and Time	10/06/2019, 12:00
Make/Model of Camera	Canon EOS 5D Mark IV
Make/Focal length of lens	Canon 50mm f/0
Direction of View	South towards the proposed development
Location Grid-Ref	E370815, N770530
Height of lens above ground	1.5m

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Rev	Revision Details	Drwn	Chkd	Appd	Date:
Designed:	AF				Date: 28/06/2019
Drawn:	JB				Date: 28/06/2019
Checked:	ACT				Date: 28/06/2019
Approved:	AW				Date: 28/06/2019



Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Viewpoint 2 - Core path / Route 3 and minor road connecting the A937 (north of the A90) to the A90**

Original Drg Size : A3	Scale : AS SHOWN
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 8.6**

Drawing No : 25000276-ENV-ES-STAGE_3_LVA-007	Rev P01
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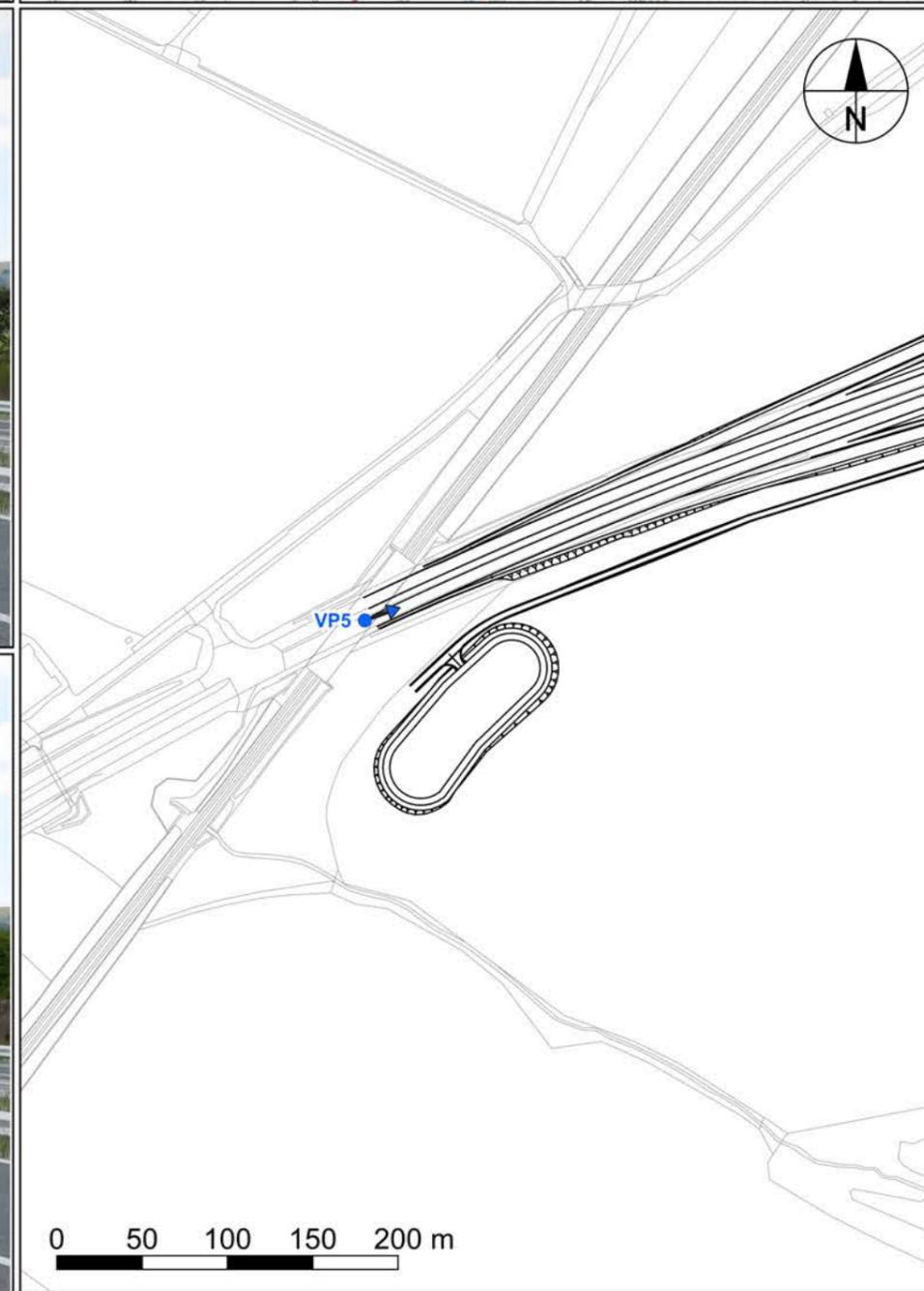
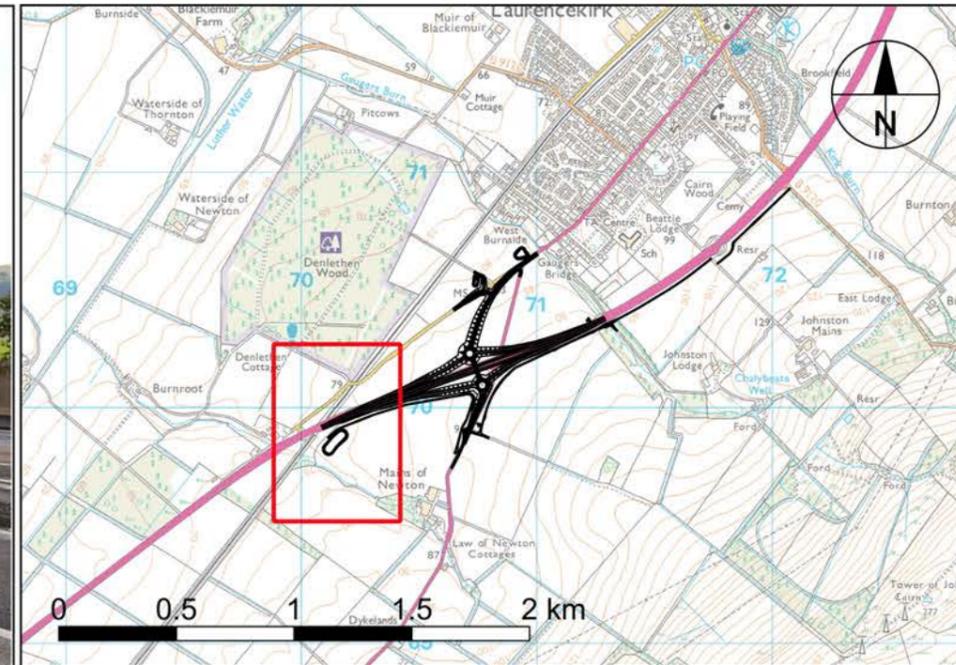
Existing View



Year 1



Year 15



Visualisation Type	Type 1
Projection	Planar
Date and Time	10/06/2019, 10:30
Make/Model of Camera	Canon EOS 5D Mark IV
Make/Focal length of lens	Canon 50mm f/0
Direction of View	North east along the A90 carriageway
Location Grid-Ref	E369993, N769895
Height of lens above ground	1.5m

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Rev	Revision Details	Drwn	Chkd	Appd	Date:
Designed:	AF				Date: 28/06/2019
Drawn:	JB				Date: 28/06/2019
Checked:	ACT				Date: 28/06/2019
Approved:	AW				Date: 28/06/2019



Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Viewpoint 5 – Oatyhill and A90**

Original Drg Size : A3	Scale : AS SHOWN
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 8.7**

Drawing No : 25000276-ENV-ES-STAGE_3_LVA-008	Rev P01
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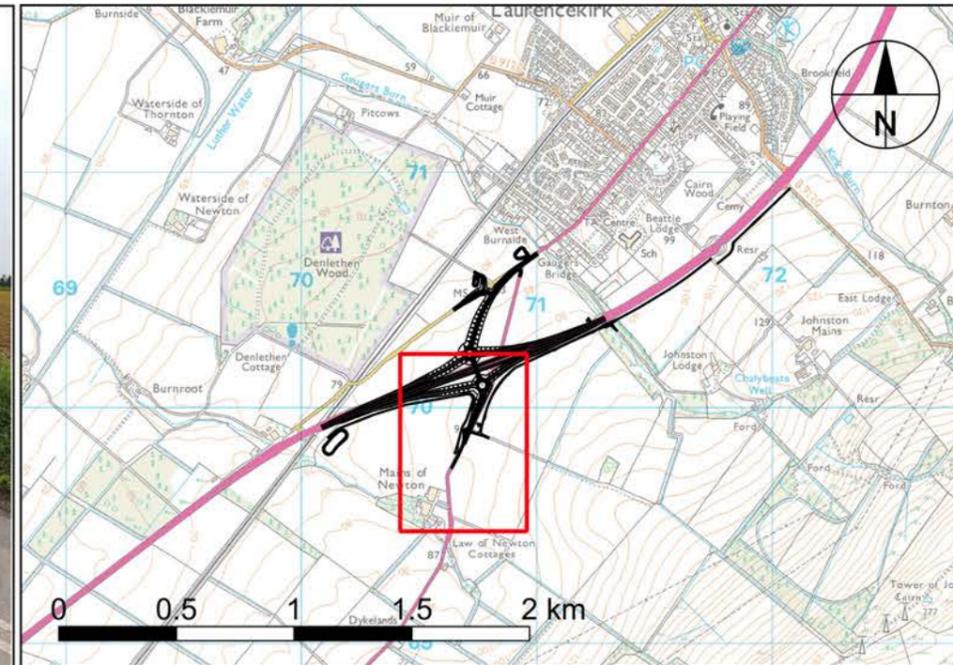
Existing View



Year 1



Year 15



Visualisation Type	Type 1
Projection	Planar
Date and Time	10/06/2019, 13.25
Make/Model of Camera	Canon EOS 5D Mark IV
Make/Focal length of lens	Canon 50mm f/0
Direction of View	North towards the proposed development
Location Grid-Ref	E370626, N769585
Height of lens above ground	1.5m

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Rev	Revision Details	Drwn	Chkd	Appd	Date
Designed:	AF				Date: 28/06/2019
Drawn:	JB				Date: 28/06/2019
Checked:	ACT				Date: 28/06/2019
Approved:	AW				Date: 28/06/2019



Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Viewpoint 6 – A937 South of the A90**

Original Drg Size : A3	Scale : AS SHOWN
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 8.8**

Drawing No : 25000276-ENV-ES-STAGE_3_LVA-009	Rev P01
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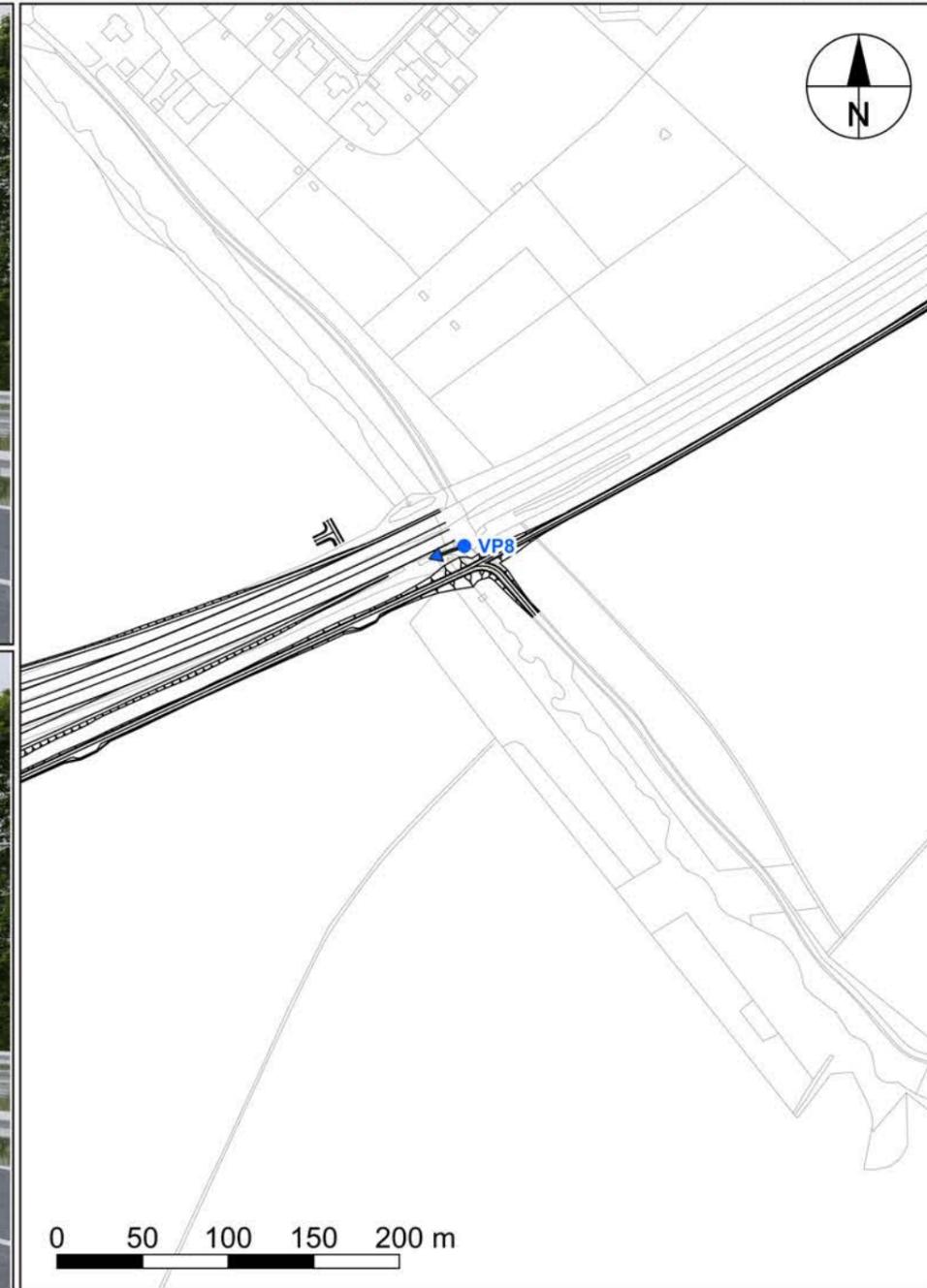
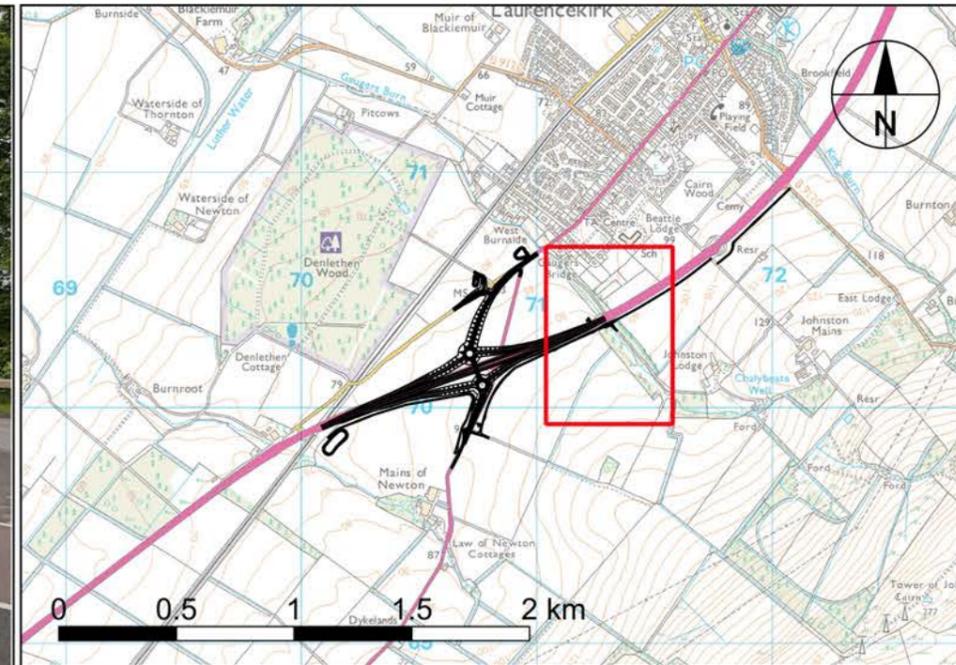
Existing View



Year 1



Year 15



Visualisation Type	Type 1
Projection	Planar
Date and Time	10/06/2019, 12:41
Make/Model of Camera	Canon EOS 5D Mark IV
Make/Focal length of lens	Canon 50mm f/0
Direction of View	South west along the A90 carriageway
Location Grid-Ref	E371298, N770371
Height of lens above ground	1.5m

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Rev	Revision Details	Drwn	Chkd	Appd	Date:
Designed:	AF				Date: 28/06/2019
Drawn:	JB				Date: 28/06/2019
Checked:	ACT				Date: 28/06/2019
Approved:	AW				Date: 28/06/2019



Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

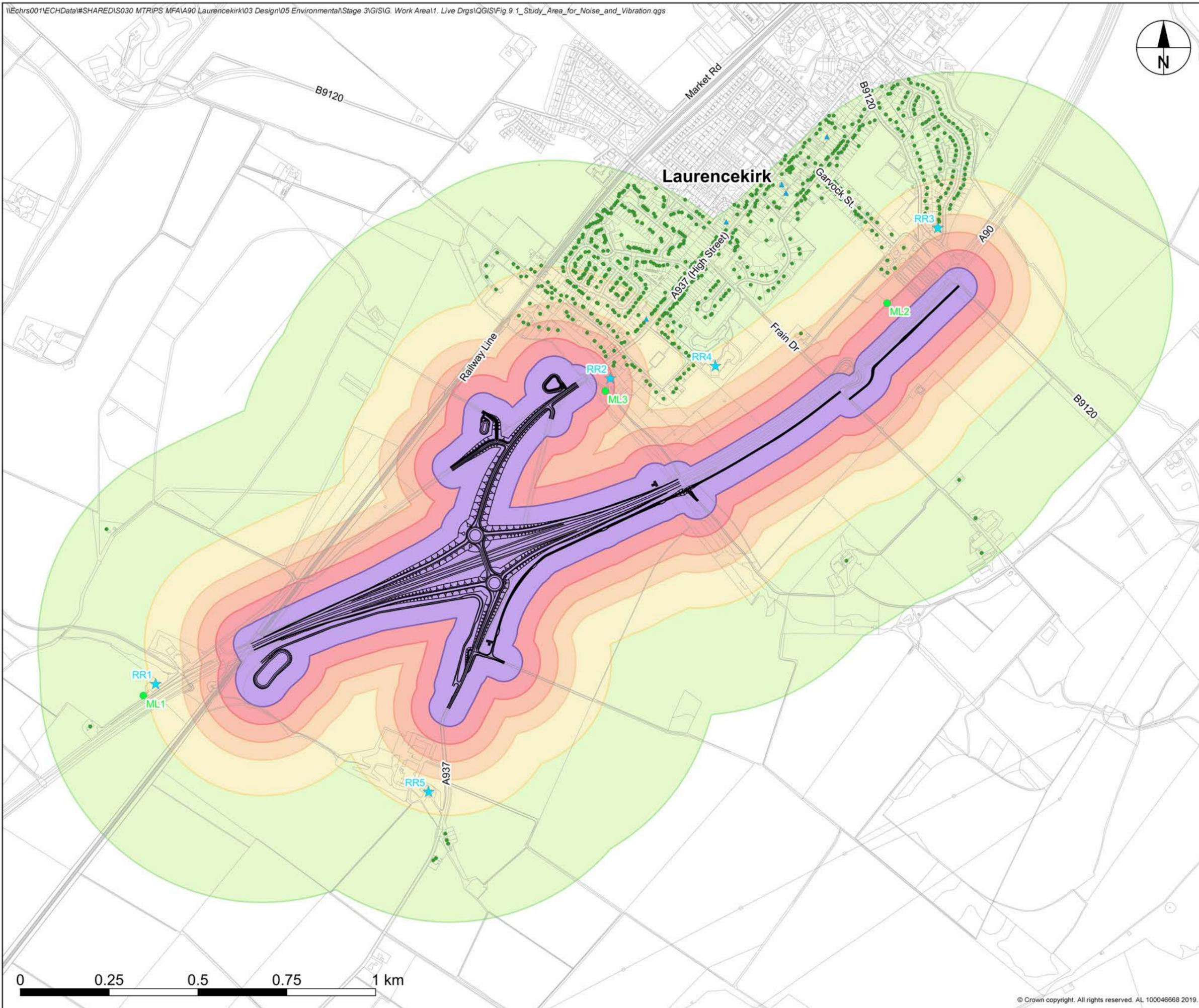
Drawing Title :  
**Viewpoint 8 – South west along the A90 carriageway**

Original Drg Size : A3	Scale : AS SHOWN
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 8.9**

Drawing No : 25000276-ENV-ES-STAGE_3_LVA-010	Rev P01
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**Legend**

- Scheme Design
- Measurement Location
- ★ Representative Receptor

**Receptors**

- ▲ Community
- Residential

**Distance Buffers**

- 0-50m
- 50-100m
- 100-150m
- 150-200m
- 200-300m
- 300-600m

Distance	Number of Receptors	
	Residential	Community
0-50m	0	0
50-100m	1	0
100-150m	12	0
150-200m	33	0
200-300m	125	3
300-600m	553	5
<b>Total</b>	<b>724</b>	<b>8</b>

Rev	Revision Details	Drwn	Chkd	Appd	Date
	Designed: KMC				Date: 30/05/2019
	Drawn: JB				Date: 30/05/2019
	Checked: ACT				Date: 30/05/2019
	Approved: AV				Date: 30/05/2019



Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Calculation Area for Noise & Vibration & Representative Receptors**

Original Drg Size : A3	Scale : 1:10,000
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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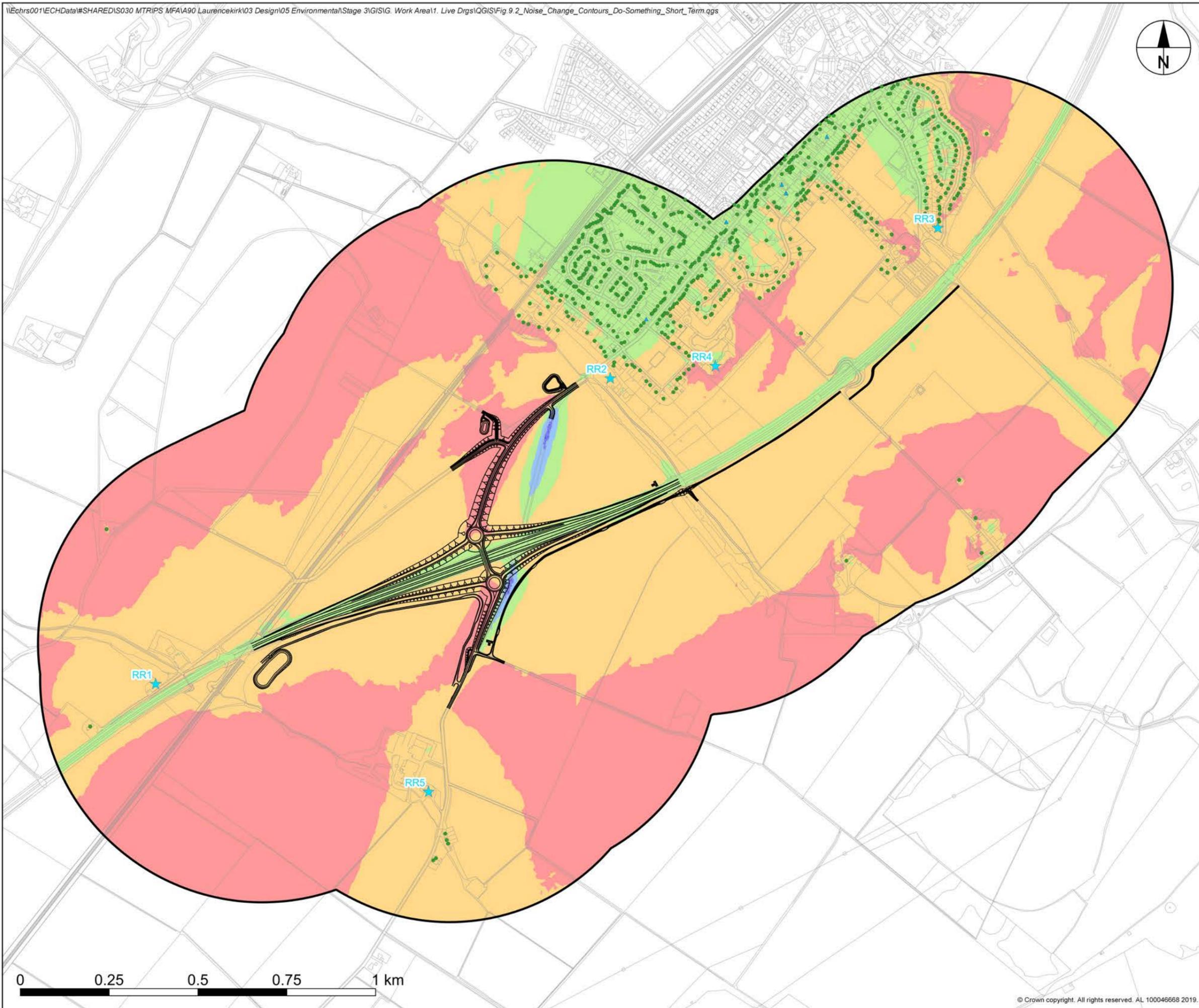
Figure No :  
**Figure 9.1**

Drawing No : 25000276-ENV-ES-STAGE_3_NV-001	Rev P01
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**Legend**

- Scheme Design
- ★ Representative Receptor
- Receptors**
- ▲ Community
- Residential
- Noise Change (dB LA10,18h)**
- Greater than 3
- Between 3 & 1
- Between 1 & -1
- Between -1 & -3
- Greater than -3



Rev	Revision Details	Drwn	Chkd	Appd	Date:

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Client :

Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

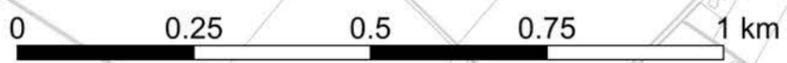
Drawing Title :  
**Noise Change Contours: Do-Something Short Term**

Original Drg Size : A3	Scale : 1:10000
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 9.2**

Drawing No : 25000276-ENV-ES-STAGE_3_NV-002	Rev P01
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**Legend**

- Scheme Design
- ★ Representative Receptor

**Receptors**

- ▲ Community
- Residential

**Noise Change (dB LA10,18h)**

- Greater than 3
- Between 3 & 1
- Between 1 & -1
- Between -1 & -3
- Greater than -3



Rev	Revision Details	Drwn	Chkd	Appd	Date:

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Client:

Project Name:  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title:

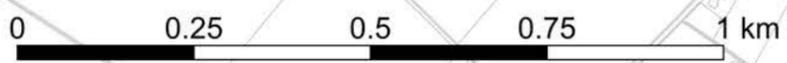
**Noise Change Contours: Do-Minimum Long Term**

Original Drg Size : A3	Scale : 1:10000
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
---	-------------------

Figure No:  
**Figure 9.3**

Drawing No: 25000276-ENV-ES-STAGE_3_NV-003	Rev P01
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### Legend

- Scheme Design
- ★ Representative Receptor

#### Receptors

- ▲ Community
- Residential

#### Noise Change (dB LA10,18h)

- Greater than 3
- Between 3 & 1
- Between 1 & -1
- Between -1 & -3
- Greater than -3



Rev	Revision Details	Drwn	Chkd	Appd	Date:

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Client:

Project Name:  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title:

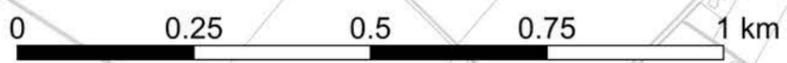
**Noise Change Contours: Do-Minimum Long Term Night-time**

Original Drg Size : A3	Scale : 1:10000
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No:  
**Figure 9.4**

Drawing No : 25000276-ENV-ES-STAGE_3_NV-004	Rev P01
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**Legend**

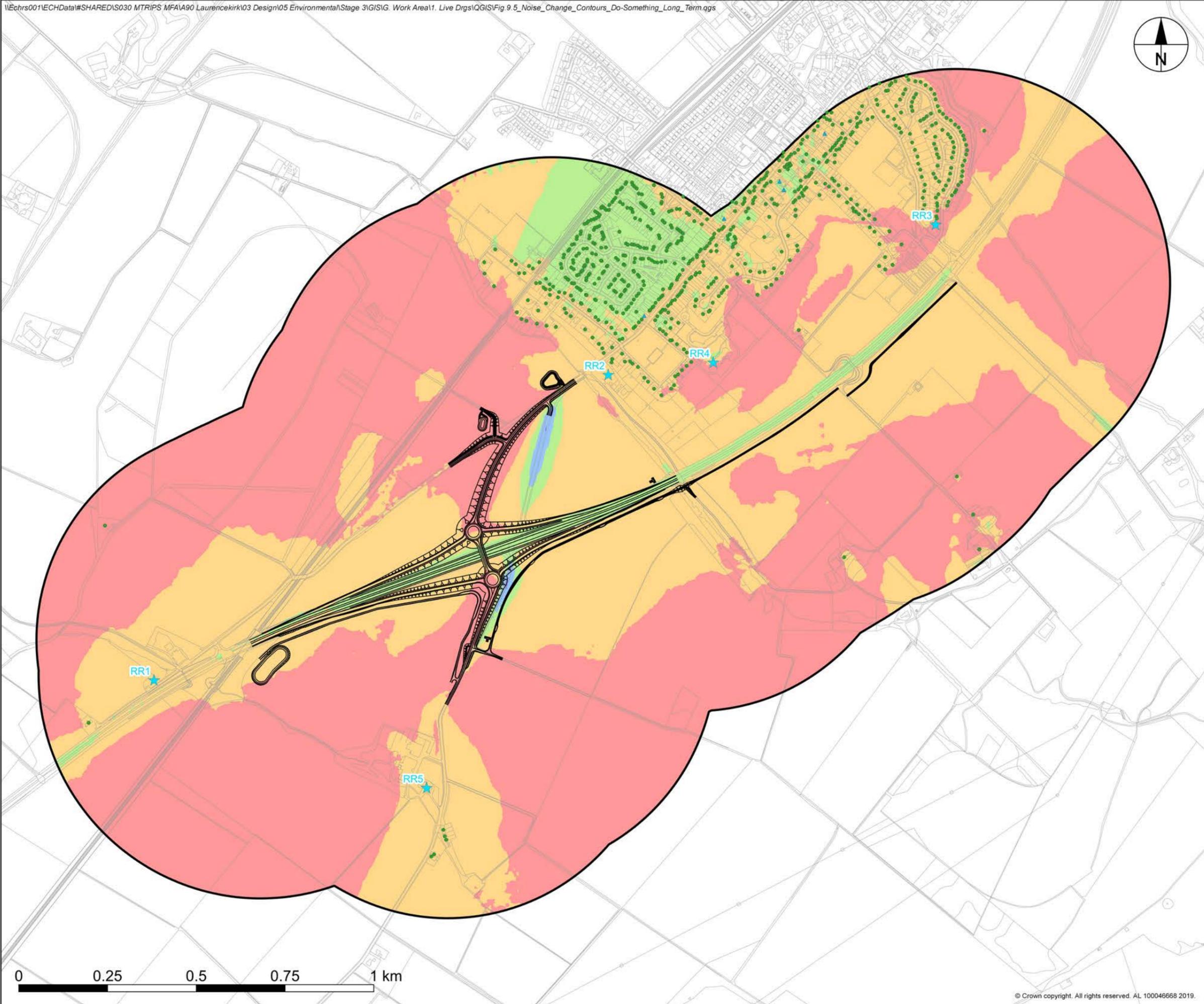
- Scheme Design
- ★ Representative Receptor

**Receptors**

- ▲ Community
- Residential

**Noise Change (dB LA10,18h)**

- Greater than 3
- Between 3 & 1
- Between 1 & -1
- Between -1 & -3
- Greater than -3



Rev	Revision Details	Drwn	Chkd	Appd	Date:

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Client:

Project Name:  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title:

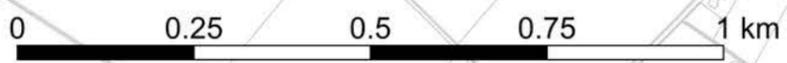
**Noise Change Contours: Do-Something Long Term**

Original Drg Size : A3	Scale : 1:10000
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No:  
**Figure 9.5**

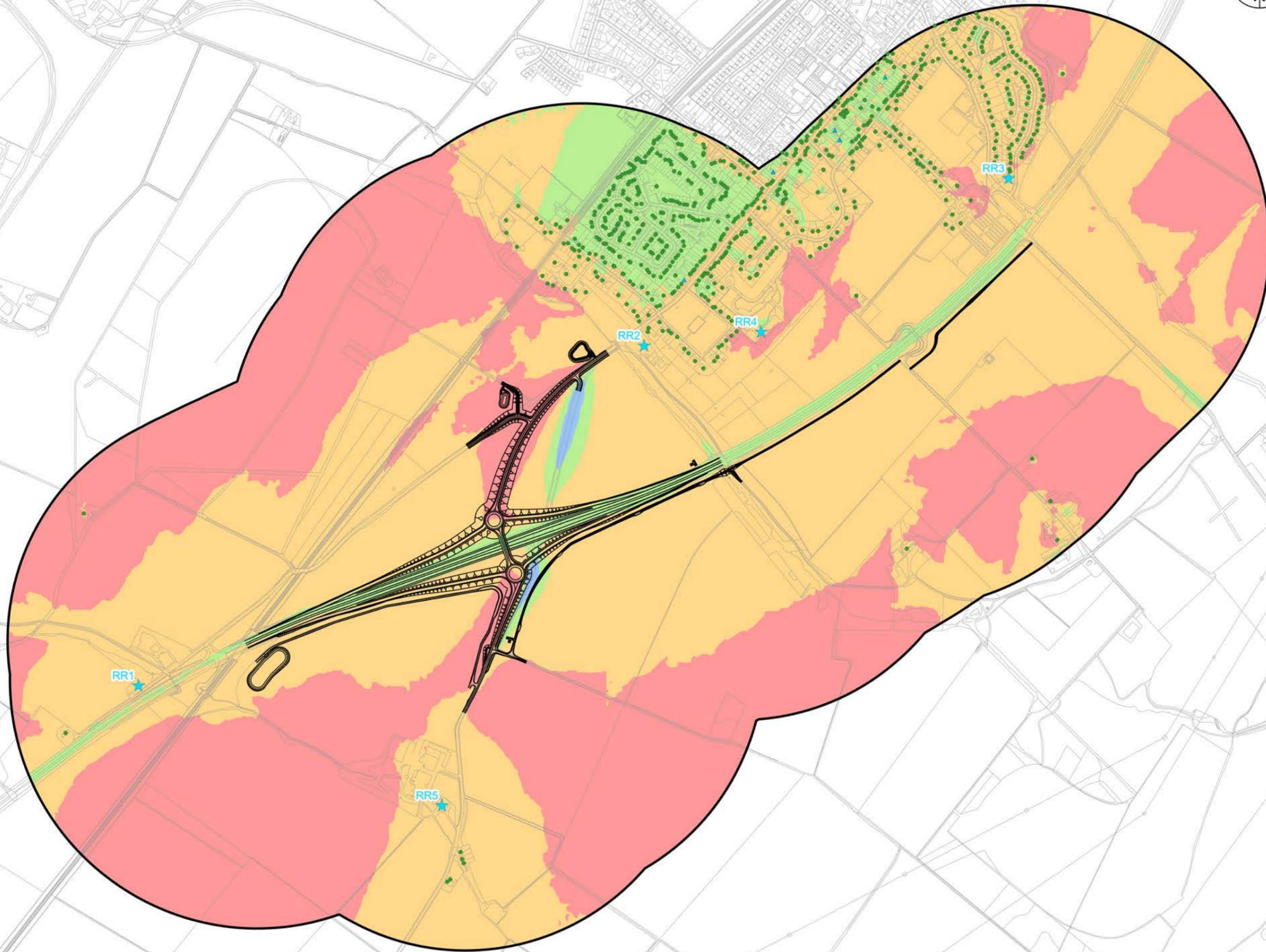
Drawing No : 25000276-ENV-ES-STAGE_3_NV-005	Rev P01
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**Legend**

- Scheme Design
- ★ Representative Receptor
- Receptors**
- ▲ Community
- Residential
- Noise Change (dB LA10,18h)**
- Greater than 3
- Between 3 & 1
- Between 1 & -1
- Between -1 & -3
- Greater than -3



Rev	Revision Details	Drwn	Chkd	Appd	Date:

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Client:

COMHDHAIL ALBA

Project Name:  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title:

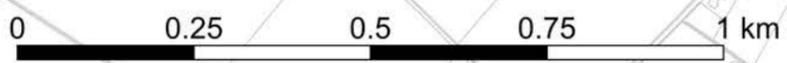
**Noise Change Contours: Do-Something Long Term Night-time**

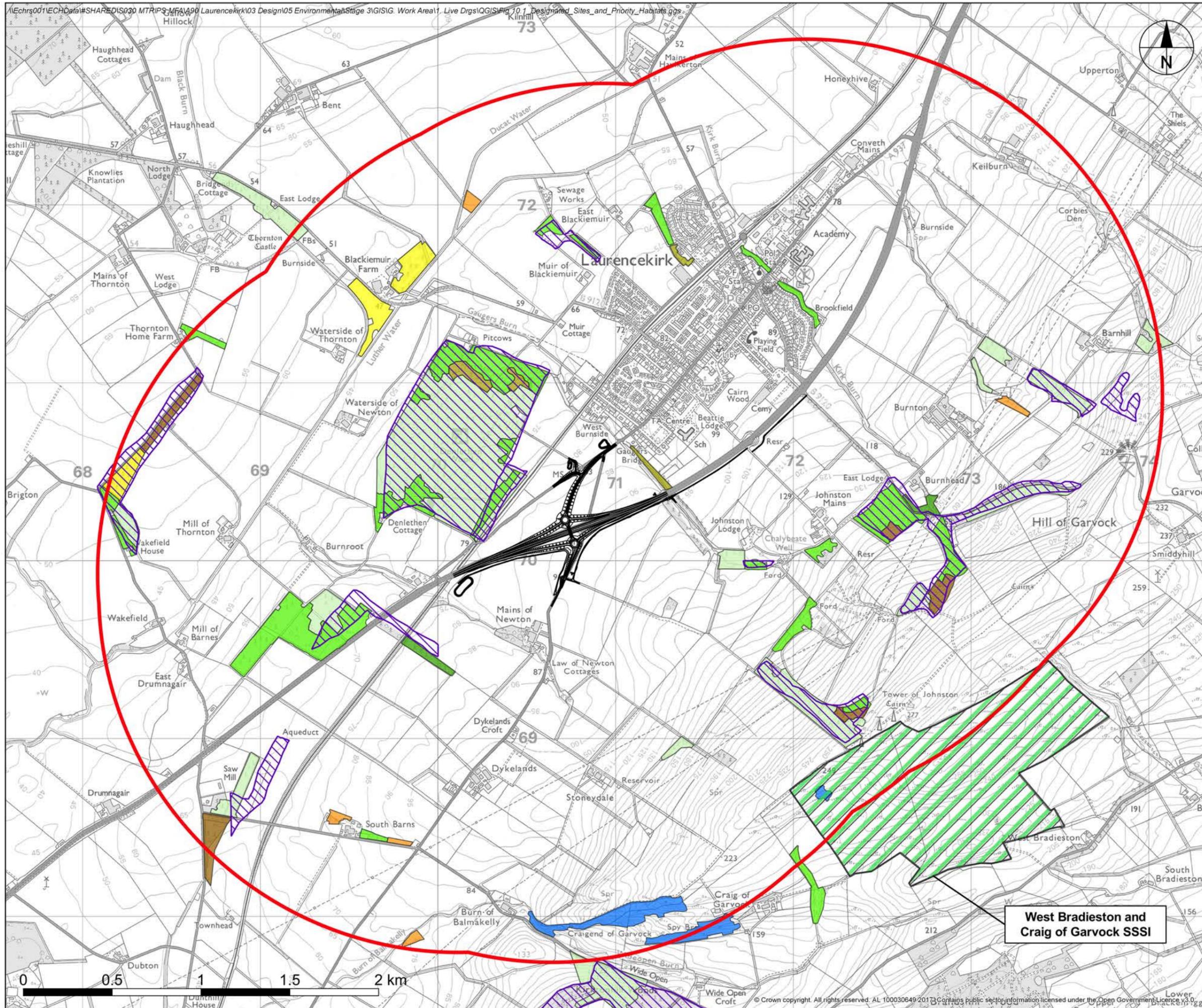
Original Drg Size : A3	Scale : 1:10000
Dimensions :	Page : 1 of 1

Drawing Status :	Suitability
Suitable for Stage Approval	S4

Figure No:  
**Figure 9.6**

Drawing No: 25000276-ENV-ES-STAGE_3_NV-006	Rev P01
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- Legend**
- Scheme Design
  - ◻ 2km Buffer
  - ▨ Special Site of Scientific Interest (SSSI)
  - ▨ Ancient Woodland Inventory
- National Forest Inventory**
- ▨ Assumed woodland
  - ▨ Broadleaved
  - ▨ Conifer
  - ▨ Felled
  - ▨ Mixed mainly broadleaved
  - ▨ Mixed mainly conifer
  - ▨ Shrub
  - ▨ Young trees

Rev	Revision Details	Drwn	Chkd	Appd	Date:



Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Designated Sites and Priority Habitats**

Original Drg Size : A3      Scale : 1:20,000  
 Dimensions :                      Page : 1 of 1

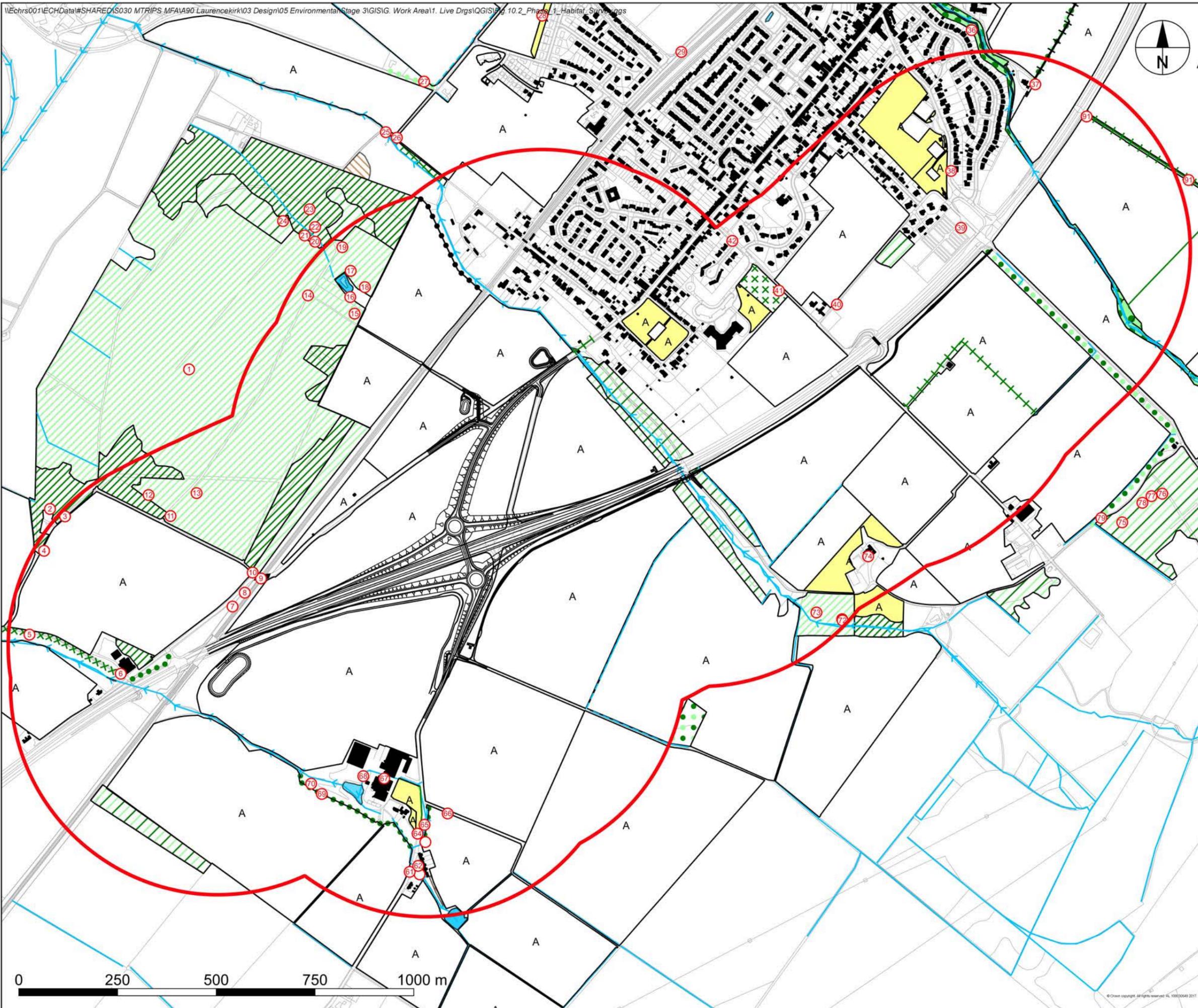
Drawing Status :      Suitability  
**Suitable for Stage Approval**      **S4**

Figure No :  
**Figure 10.1**

Drawing No :      Rev  
 25000276-ENV-ES-Stage\_3-NC-001      **P01**

**West Bradieston and Craig of Garvock SSSI**





### Legend

- 500m Buffer
- Scheme Design
- 1 Target Note
- A1.1.2 Broadleaved Woodland - Plantation
- A1.2.2 Coniferous Woodland - Plantation
- A1.3.1 Mixed Woodland - Semi-Natural
- A1.3.2 Mixed Woodland - Plantation
- A2.1 Scrub - Dense/Continuous
- A2.2 Scrub - Scattered
- A3.3 Mixed Parkland/Scattered Trees
- A2.2 Scrub - Scattered
- A3.1 Broadleaved Parkland/Scattered Trees
- A3.2 Coniferous Parkland/Scattered Trees
- A3.3 Mixed Parkland/Scattered Trees
- B4 Improved Grassland
- B6 Poor Semi-Improved Grassland
- C3.1 Other Tall Herb and Fern - Ruderal
- J2.1.2 Intact Hedge - Species-poor
- J2.2.2 Defunct Hedge - Species-poor
- J2.3.2 Hedge with Trees - Species-poor
- J2.4 Fence
- J2.6 Dry Ditch
- J2.8 Earth Bank
- G1 Standing Water
- G2 Running Water
- J1.1 Cultivated/Disturbed land - Arable
- J1.2 Cultivated/Disturbed land - Amenity Grassland
- J3.6 Buildings
- J4 Bare Ground

Rev	Revision Details	Drwn	Chkd	Appd	Date

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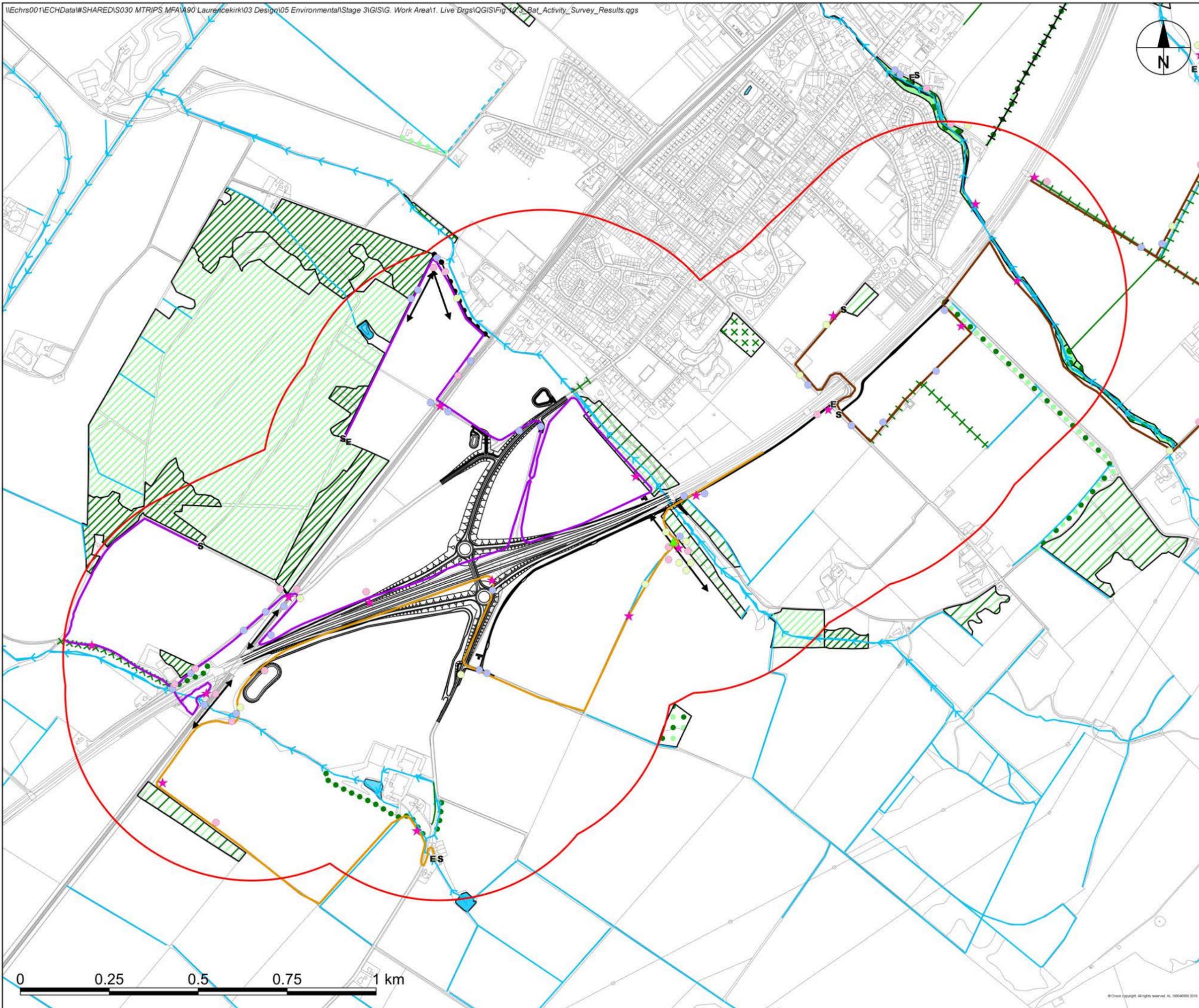
www.amey.co.uk

Client :

Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Phase 1 Habitat Survey**

Original Drg Size : A3	Scale : 1:9,000
Dimensions :	
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 10.2	
Drawing No : 25000276-ENV-ES-STAGE_3_NC-002	Rev P01



- ### Legend
- Scheme Design
  - 500m Buffer
  - ▲ Static Bat Detector
  - Unidentified pipistrelle species
  - Common pipistrelle (*Pipistrellus pipistrellus*)
  - Soprano pipistrelle (*Pipistrellus pygmaeus*)
  - ★ Listening Point
  - S Start of survey
  - E End of survey
  - Transect Route 1
  - Transect Route 2
  - Transect Route 3
  - ↔ Corridors
  - ▨ A1.1.2 Broadleaved Woodland - Plantation
  - ▨ A1.2.2 Coniferous Woodland - Plantation
  - ▨ A1.3.1 Mixed Woodland - Semi-Natural
  - ▨ A1.3.2 Mixed Woodland - Plantation
  - ▨ A2.1 Scrub - Dense/Continuous
  - ▨ A2.2 Scrub - Scattered
  - ▨ A3.3 Mixed Parkland/Scattered Trees
  - XX A2.2 Scrub - Scattered
  - A3.1 Broadleaved Parkland/Scattered Trees
  - A3.2 Coniferous Parkland/Scattered Trees
  - A3.3 Mixed Parkland/Scattered Trees
  - G2 Running Water
  - G1 Standing Water
  - J2.1.2 Intact Hedge - Species-Poor
  - J2.2.2 Defunct Hedge - Species-Poor
  - J2.3.2 Hedge with Trees - Species-Poor
  - J2.4 Fence
  - J2.6 Dry Ditch
  - J2.8 Earth Bank

Rev	Revision Details	Drwn	Chkd	Appd	Date

Designed: LM Date: 20/05/2019  
 Drawn: JB Date: 20/05/2019  
 Checked: ACT Date: 20/05/2019  
 Approved: AVW Date: 20/05/2019

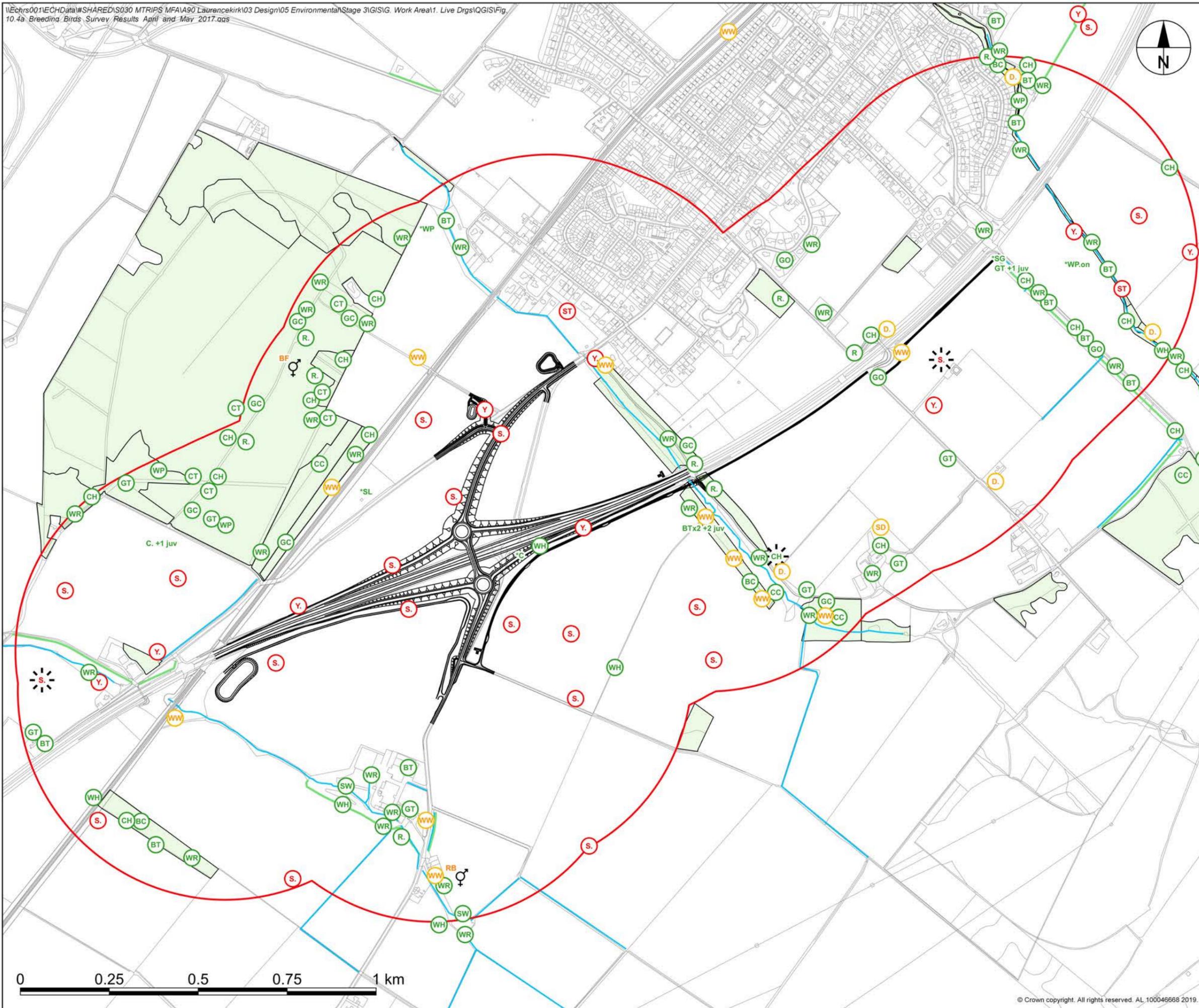


Project Name:  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title:  
**Bat Activity Survey Results**

Original Drg Size : A3	Scale : 1:10000
Dimensions :	
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 10.3	
Drawing No : 25000276-ENV-ES-Stage_3-NC-003	Rev P01





### Legend

- Scheme Design
- 200m Buffer
- Woodland and Scrub
- Woodland and Scrub
- Running Water
- BoCC Amber Species
- BoCC Green Species
- BoCC Red Species
- ⊛ Territorial dispute
- ♂ Breeding pair identified

B. +1 juv Juvenile present with with adult bird  
 \*B Nest identified  
 \*B.on Active nest with adult sitting  
 B Repeated alarm calls, likely territorial significance

### BTO Species Codes and Designations

B. Blackbird	PH Pheasant
BC Blackcap	R. Robin
BF Bullfinch	RB Reed bunting
BT Blue tit	S. Skylark
C. Carrion crow	SD Stock dove
CC Chiffchaff	SG Starling
CH Chaffinch	SL Swallow
CT Coal tit	SK Siskin
D. Dunnock	ST Song thrush
GC Goldcrest	SW Sedge warbler
GO Goldfinch	WH Whitethroat
GT Great tit	WR Wren
HS House sparrow	WP Wood pigeon
GT Linnet	WW Willow warbler
	Y. Yellowhammer

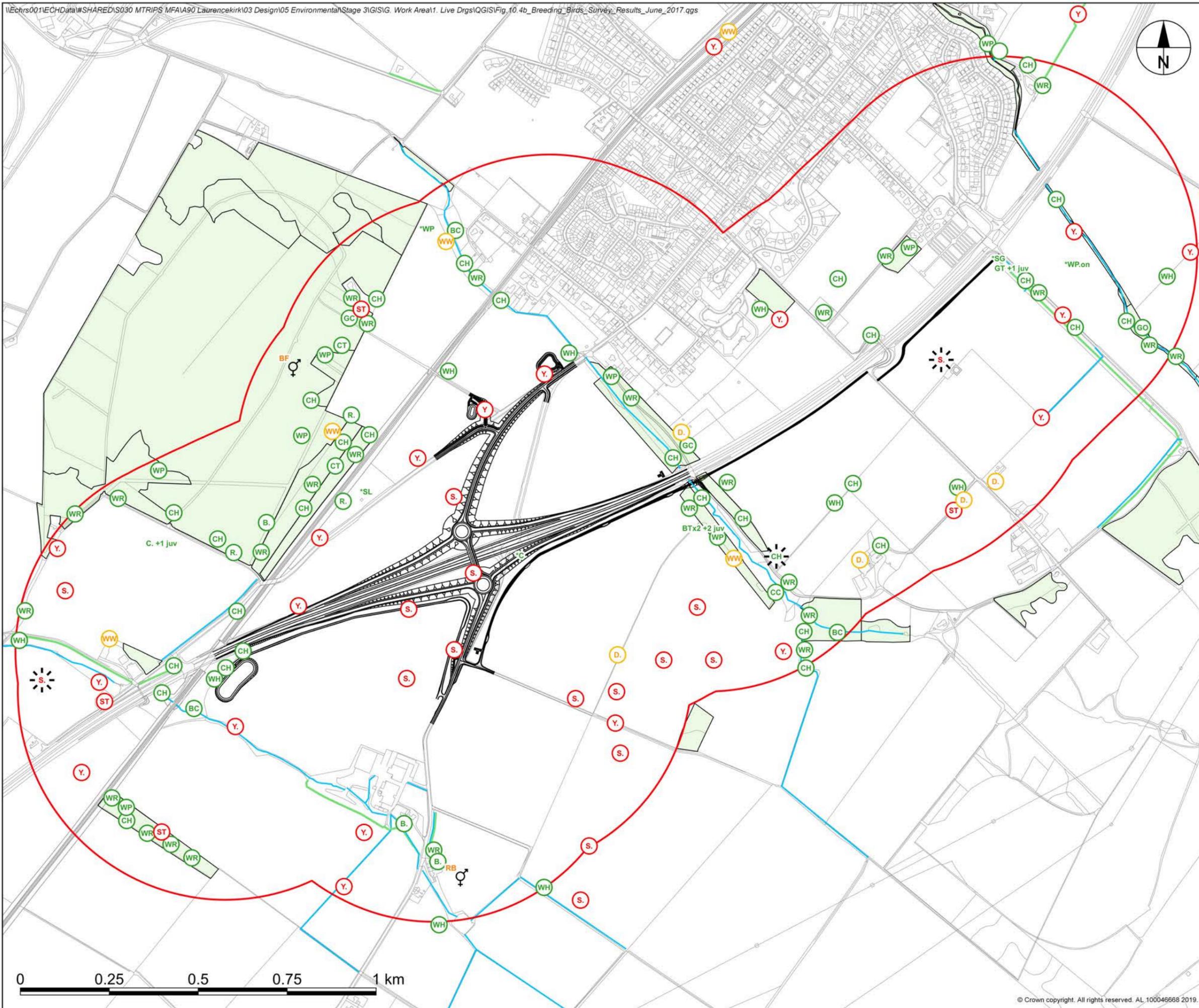
Rev	Revision Details	Drwn	Chkd	Appd	Date:
Designed:	AM				Date: 24/07/2019
Drawn:	JB				Date: 24/07/2019
Checked:	LM				Date: 24/07/2019
Approved:	AW				Date: 24/07/2019



Project Name:  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title:  
**Breeding Bird Survey Results April and May 2017**

Original Drg Size : A3	Scale : 1:8,000
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 10.4a	
Drawing No : 25000276-ENV-ES-Stage_3-NC-004	Rev P01



### Legend

- Scheme Design
- 200m Buffer
- Woodland and Scrub
- Woodland and Scrub
- Running Water
- BoCC Amber Species
- BoCC Green Species
- BoCC Red Species
- Territorial dispute
- Breeding pair identified

B. +1 juv Juvenile present with with adult bird  
 \*B Nest identified  
 \*B.on Active nest with adult sitting  
 B Repeated alarm calls, likely territorial significance

#### BTO Species Codes and Designations

B. Blackbird	PH Pheasant
BC Blackcap	R. Robin
BF Bullfinch	RB Reed bunting
BT Blue tit	S. Skylark
C. Carrion crow	SD Stock dove
CC Chiffchaff	SG Starling
CH Chaffinch	SL Swallow
CT Coal tit	SK Siskin
D. Dunnock	ST Song thrush
GC Goldcrest	SW Sedge warbler
GO Goldfinch	WH Whitethroat
GT Great tit	WR Wren
HS House sparrow	WP Wood pigeon
GT Linnet	WW Willow warbler
	Y. Yellowhammer

Rev	Revision Details	Drwn	Chkd	Appd	Date:
Designed: AM					Date: 24/07/2019
Drawn: JB					Date: 24/07/2019
Checked: ACT					Date: 24/07/2019
Approved: AW					Date: 24/07/2019



Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Breeding Bird Survey Results June 2017**

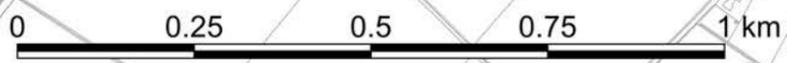
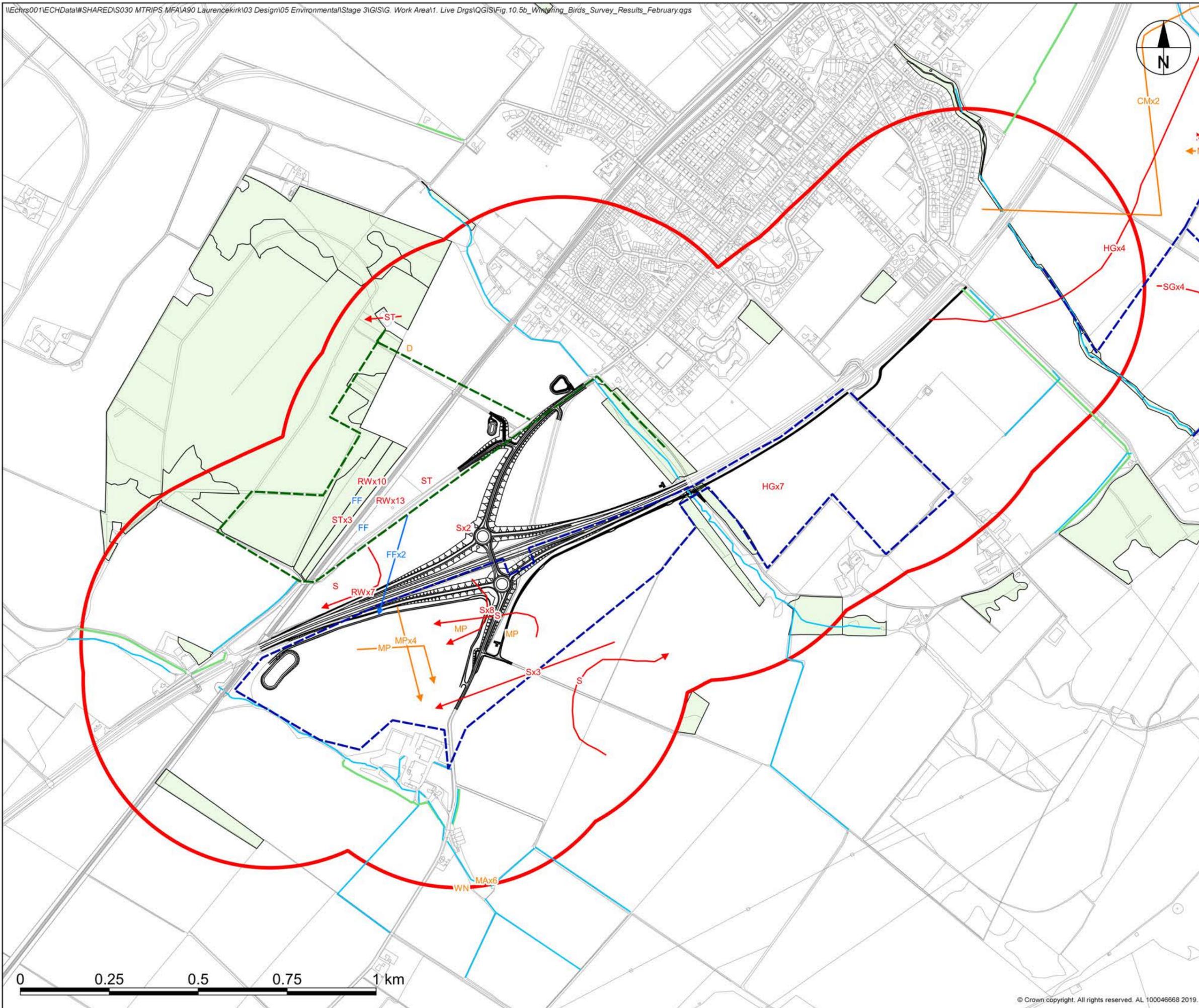
Original Drg Size : A3	Scale : 1:8,000
Dimensions :	Page : 1 of 1

Drawing Status :  
**Suitable for Stage Approval**      Suitability **S4**

Figure No :  
**Figure 10.4b**

Drawing No : 25000276-ENV-ES-Stage_3-NC-004	Rev P01
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### Legend

- Scheme Design
- 500m Buffer
- Woodland and Scrub
- Running Water
- Woodland and Scrub
- Transect 2
- Transect 3
- BoCC Green Species
- BoCC Amber Species
- BoCC Red Species
- Schedule 1 Species
- Bird in Flight - BoCC Red Species
- Bird in Flight - BoCC Red Species
- Bird in Flight Blue- Schedule 1 Species

### BTO Species Codes and Designations

BH	Black-headed gull	P.	Pheasant
CG	Canada Goose	PG	Pink-footed goose
CM	Common gull	PT	Pintail
D.	Dunnock	RW	Reed Warbler
FF	Fieldfare	S.	Starling
GL	Grey Wagtail	SG	Skylark
GP	Golden Plover	SN	Snipe
HG	Herring gull	ST	Song thrush
HS	House sparrow	T.	Teal
LI	Linnet	TS	Tree sparrow
MA	Mallard	WN	Wigeon
MP	Meadow pipit	Y.	Yellowhammer
OC	Oystercatcher		

Rev	Revision Details	Drwn	Chkd	Appd	Date:

Designed: LM Date: 26/03/2019  
 Drawn: JB Date: 26/03/2019  
 Checked: LM Date: 26/03/2019  
 Approved: AW Date: 26/03/2019

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Client:

COMHDHAIL ALBA

Project Name:  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

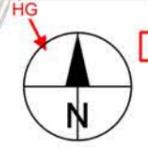
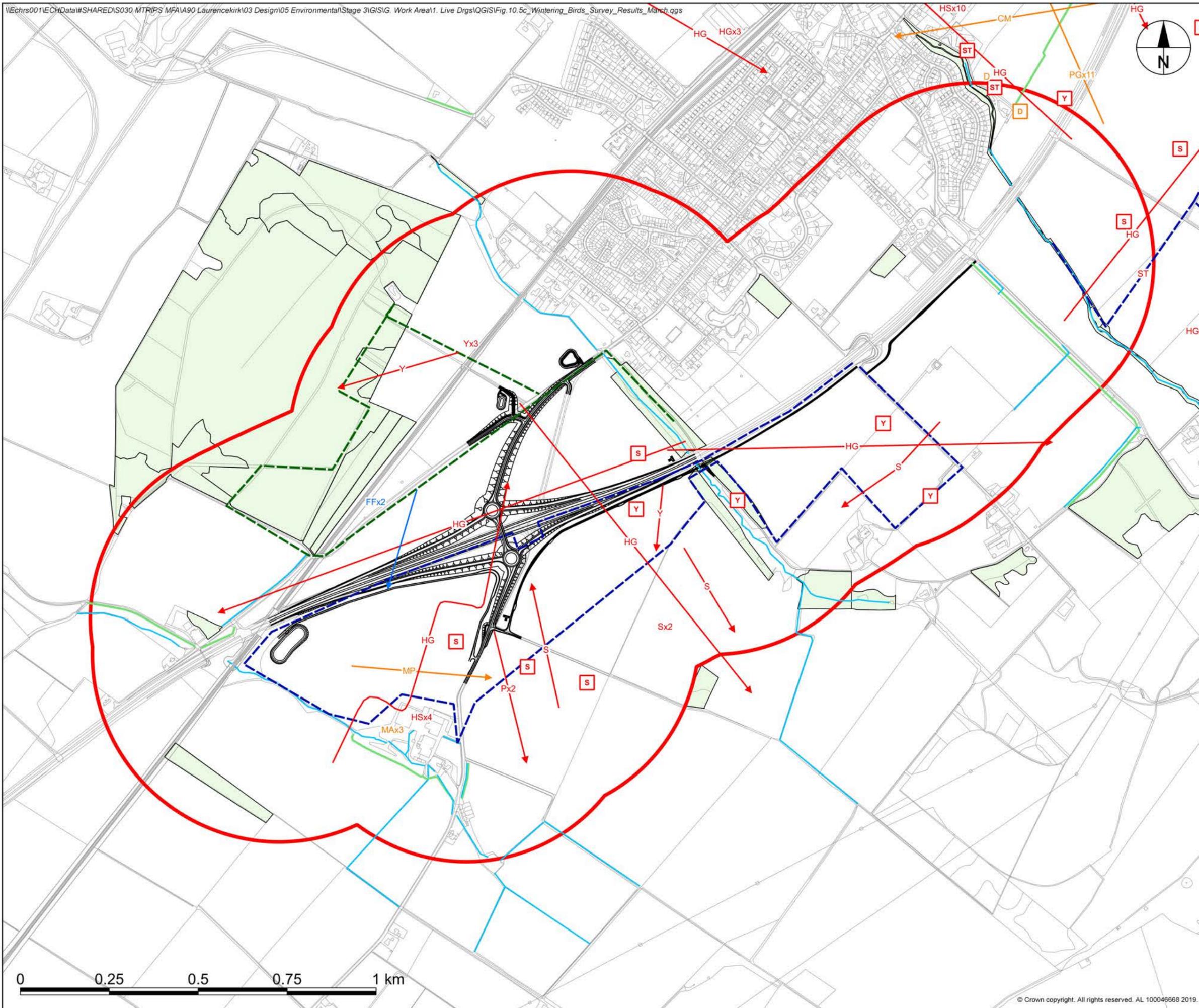
Drawing Title:  
**Wintering Bird Survey Results - February 2018**

Original Drg Size : A3	Scale : 1:10000
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No:  
**Figure 10.5b**

Drawing No : 25000276-ENV-ES-Stage_3-NC-006	Rev P01
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- ### Legend
- Scheme Design
  - 500m Buffer
  - Woodland and Scrub
  - Running Water
  - Woodland and Scrub
  - Transect 2
  - Transect 3
  - BoCC Green Species
  - BoCC Amber Species
  - BoCC Red Species
  - Schedule 1 Species
  - Singing Bird - BoCC Amber Species
  - Singing Bird - BoCC Red Species
  - Bird in Flight - BoCC Red Species
  - Bird in Flight - BoCC Red Species
  - Bird in Flight - Schedule 1 Species

- ### BTO Species Codes and Designations
- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li><span style="color: orange;">BH</span> Black-headed gull</li> <li><span style="color: green;">CG</span> Canada Goose</li> <li><span style="color: orange;">CM</span> Common gull</li> <li><span style="color: blue;">D</span> Dunnock</li> <li><span style="color: blue;">FF</span> Fieldfare</li> <li><span style="color: green;">GL</span> Grey Wagtail</li> <li><span style="color: orange;">GP</span> Golden Plover</li> <li><span style="color: red;">HG</span> Herring gull</li> <li><span style="color: red;">HS</span> House sparrow</li> <li><span style="color: blue;">LI</span> Linnet</li> <li><span style="color: orange;">MA</span> Mallard</li> <li><span style="color: orange;">MP</span> Meadow pipit</li> <li><span style="color: orange;">OC</span> Oystercatcher</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: blue;">P</span> Pheasant</li> <li><span style="color: orange;">PG</span> Pink-footed goose</li> <li><span style="color: blue;">PT</span> Pintail</li> <li><span style="color: green;">RW</span> Reed Warbler</li> <li><span style="color: red;">S</span> Starling</li> <li><span style="color: green;">SG</span> Skylark</li> <li><span style="color: blue;">SN</span> Snipe</li> <li><span style="color: red;">ST</span> Song thrush</li> <li><span style="color: blue;">T</span> Teal</li> <li><span style="color: orange;">TS</span> Tree sparrow</li> <li><span style="color: orange;">WN</span> Wigeon</li> <li><span style="color: blue;">Y</span> Yellowhammer</li> </ul> |
|--|---|

Rev	Revision Details	Drwn	Chkd	Appd	Date:
	Designed: LM				Date: 26/03/2019
	Drawn: JB				Date: 26/03/2019
	Checked: LM				Date: 26/03/2019
	Approved: AW				Date: 26/03/2019



Project Name:  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

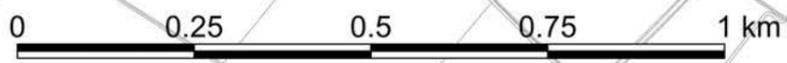
Drawing Title:  
**Wintering Bird Survey Results - March 2018**

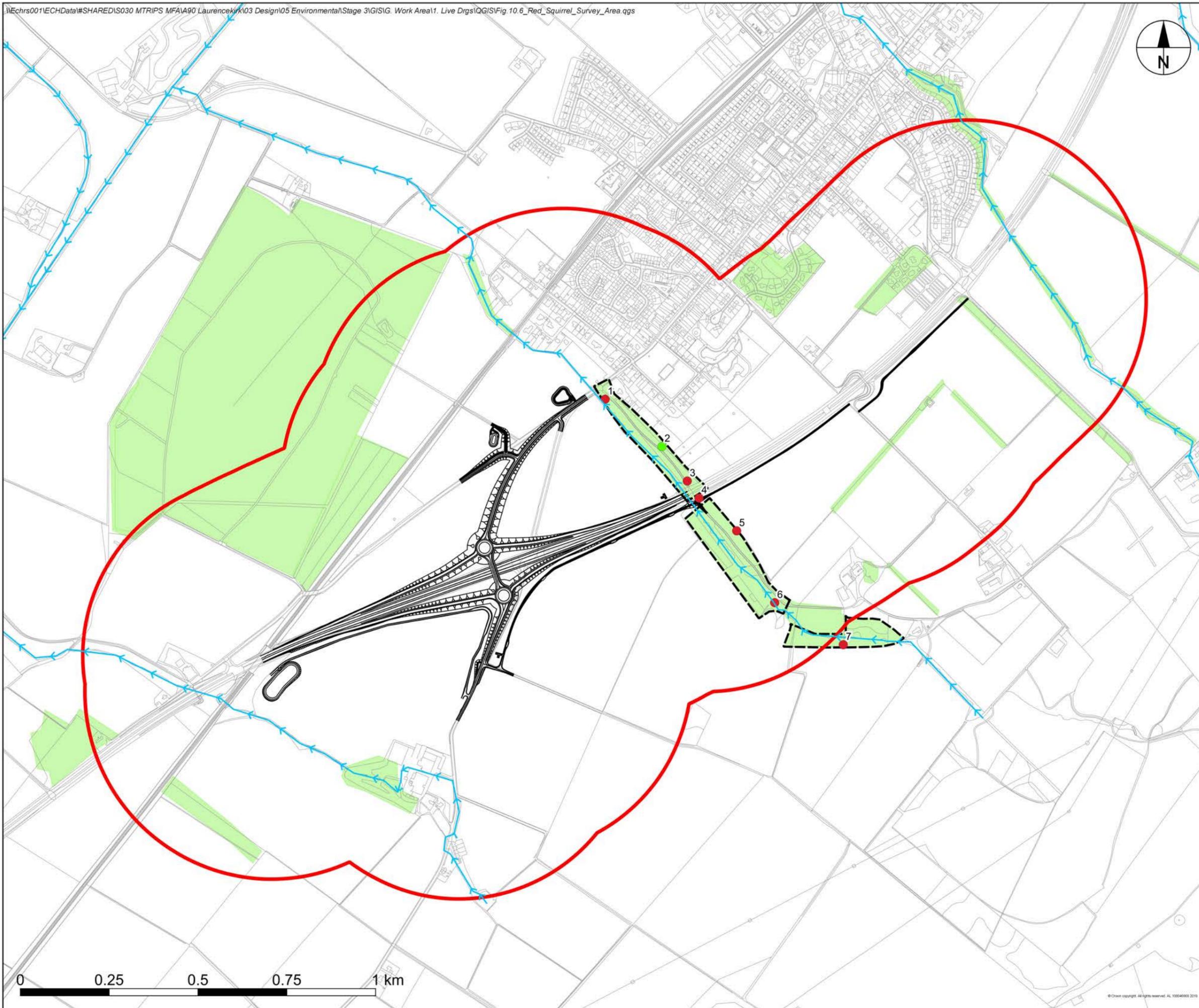
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Dimensions :	Page: 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability : S4
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Figure No :  
**Figure 10.5c**

Drawing No : 25000276-ENV-ES-Stage_3-NC-007	Rev : P01
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**Legend**

- Scheme Design
- 500m Buffer
- Running water
- Potential Squirrel Habitat

**Hair Tubes Location & Result**

- Negative
- Positive

Rev	Revision Details	Drwn	Chkd	Appd	Date:
	Designed: LM				Date: 20/05/2019
	Drawn: JB				Date: 20/05/2019
	Checked: LM				Date: 20/05/2019
	Approved: AW				Date: 20/05/2019

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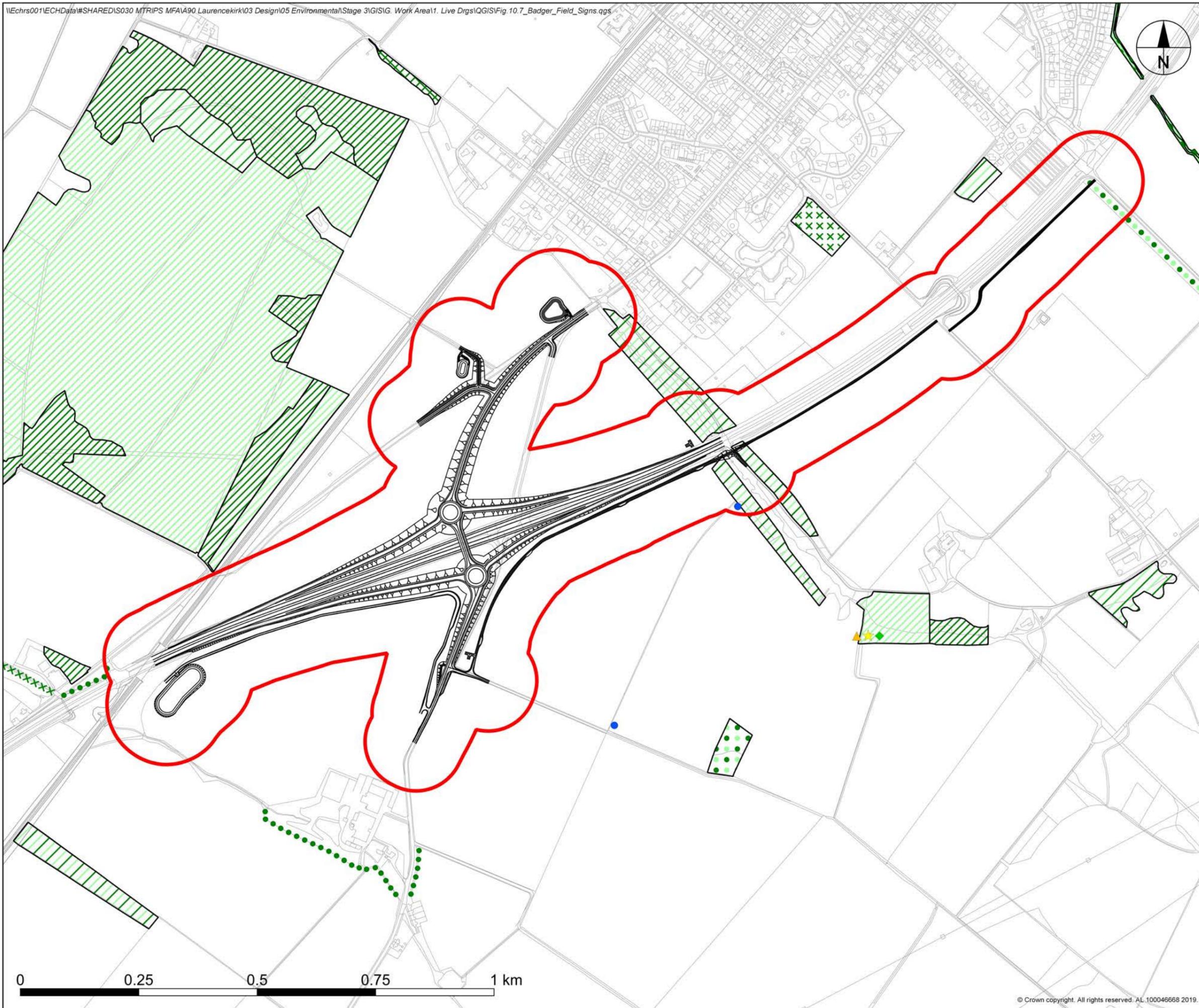
Drawing Title:  
**Red Squirrel Survey Map**

Original Drg Size : A3	Scale : 1:10,000
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No:  
**Figure 10.6**

Drawing No : 25000276-ENV-ES-Stage_3-NC-008	Rev P01
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### Legend

- Scheme Design
- 100m Buffer

#### Badger Field Signs

- Footprints
- Sett
- Pathway
- Latrine
- Dung Pit

#### A - Woodland and Scrub

- A1.1.2 Broadleaved woodland - plantation
- A1.2.2 Coniferous woodland - plantation
- A1.3.1 Mixed woodland - semi-natural
- A1.3.2 Mixed woodland - plantation
- A2.1 Scrub - dense continuous
- A2.2 Scrub - scattered
- A3.3 Mixed Parkland scattered trees
- A2.2 Scrub - scattered
- A3.1 Broadleaved Parkland scattered trees
- A3.2 Coniferous Parkland scattered trees
- A3.3 Mixed Parkland scattered trees

Rev	Revision Details	Drwn	Chkd	Appd	Date

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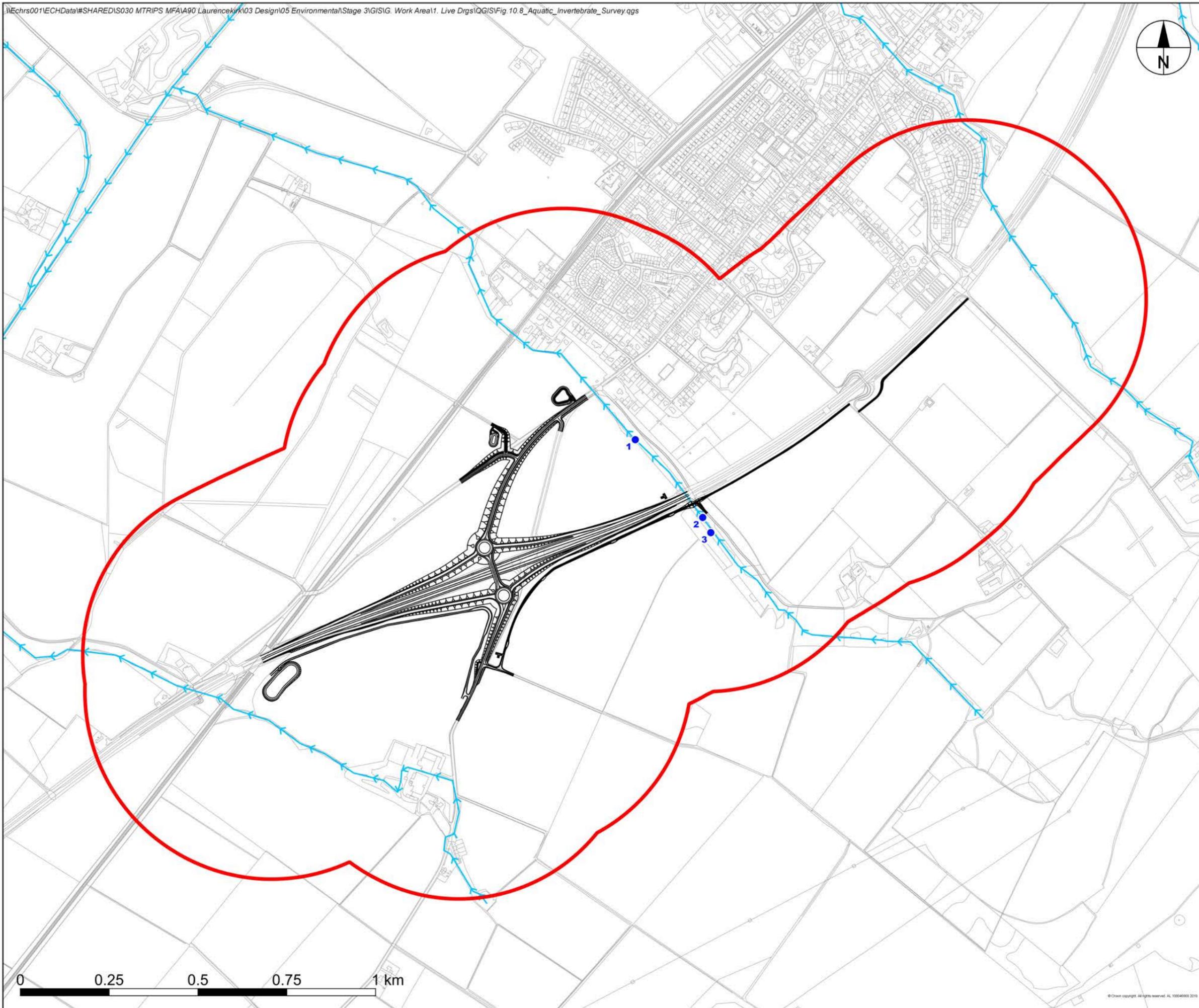
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Project Name :  
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**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Badger Field Signs**

Original Drg Size : A3	Scale : 1:7,500
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 10.7	
Drawing No : 25000276-ENV-ES-Stage_3-NC-009	Rev P01



- Legend**
- Scheme Design
  - 500m Buffer
  - Aquatic Invertebrate Sample Site
  - Running water

Rev	Revision Details	Drwn	Chkd	Appd	Date:

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Drawing Title :

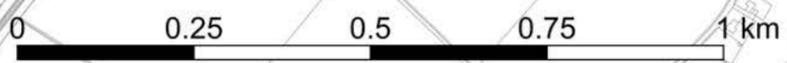
**Aquatic Invertebrate Survey**

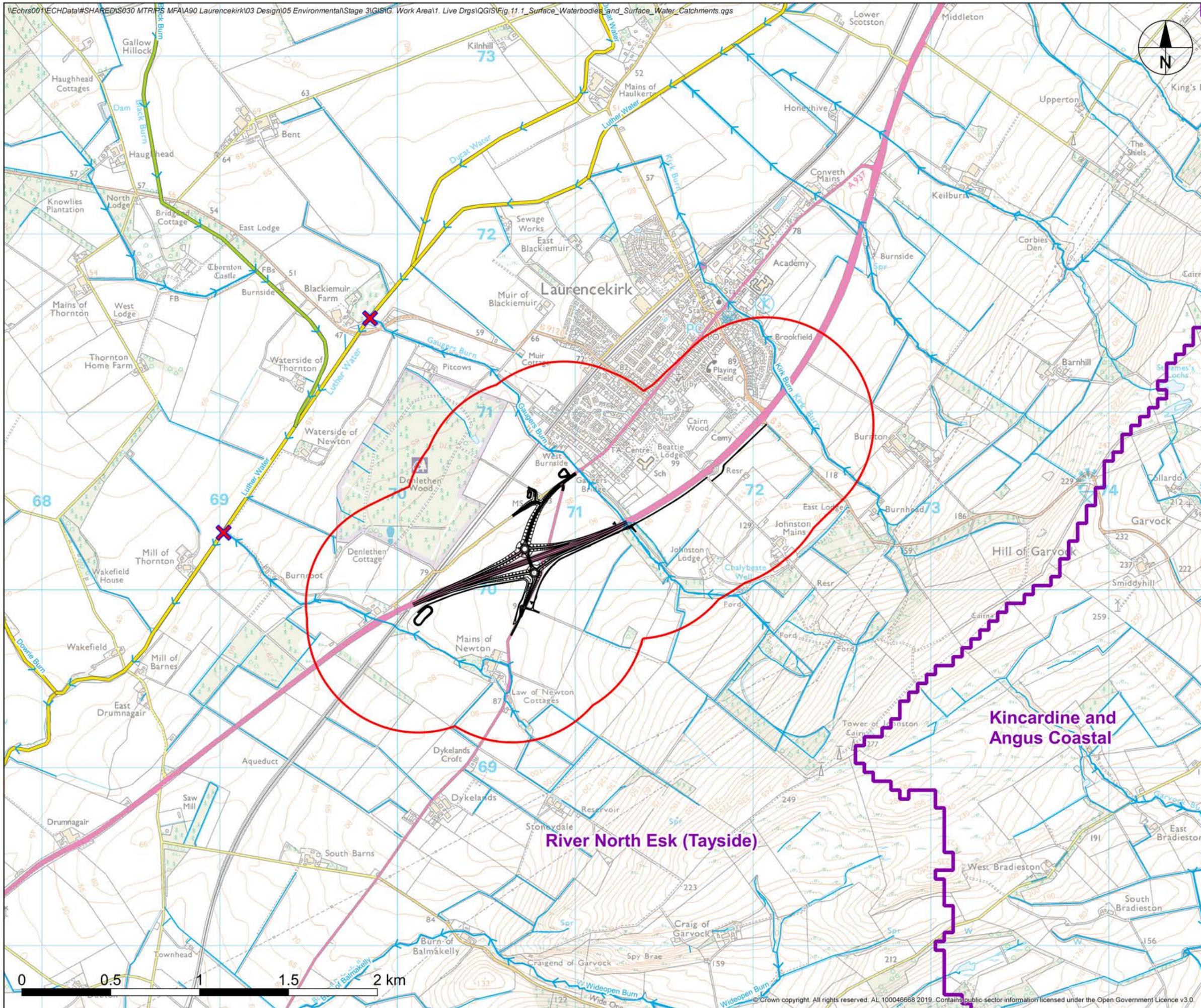
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Drawing Status : <b>Suitable for Stage Approval</b>	Suitability <b>S4</b>
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Figure No :  
**Figure 10.8**

Drawing No : 25000276-ENV-ES-Stage_3-NC-010	Rev <b>P01</b>
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- Legend**
- Scheme Design
  - 600m Buffer
  - SEPA Surface Water Catchments
  - X HAWRAT Method A Point of Assessment
- Surface Watercourse (WFD Status) and flow direction**
- Good
  - Moderate
  - Watercourse (Not Classified)

Rev	Revision Details	Drwn	Chkd	Appd	Date:

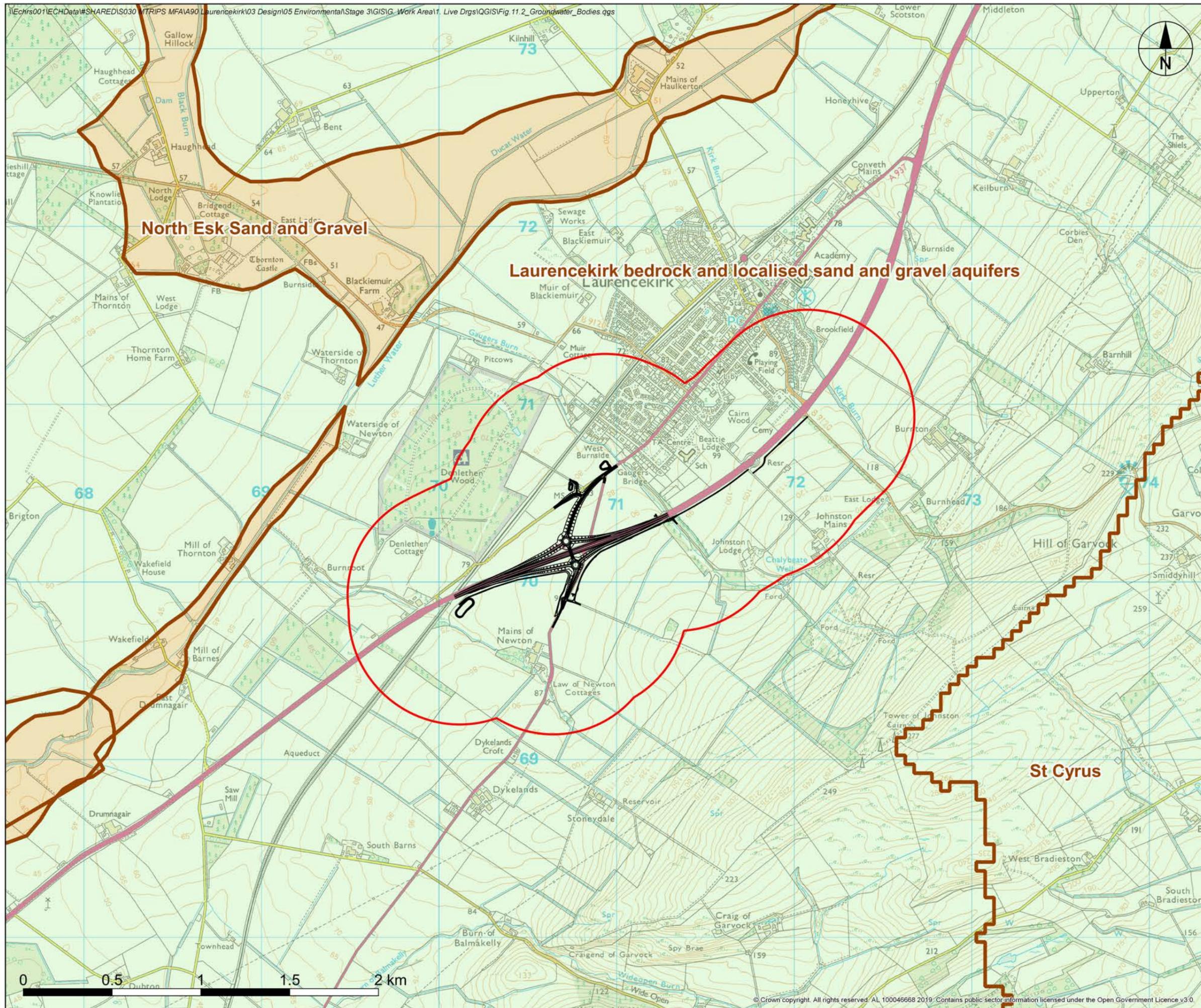


Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Surface Waterbodies and Surface Water Catchments**

Original Drg Size : A3	Scale : 1:20,000
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 11.1	
Drawing No : 25000276-ENV-ES-STAGE_3_WAT-001	Rev P01





**Legend**

- Scheme Design
- 600m Buffer
- SEPA Groundwater Catchments

**Groundwater WFD Overall Status**

- Good
- Poor

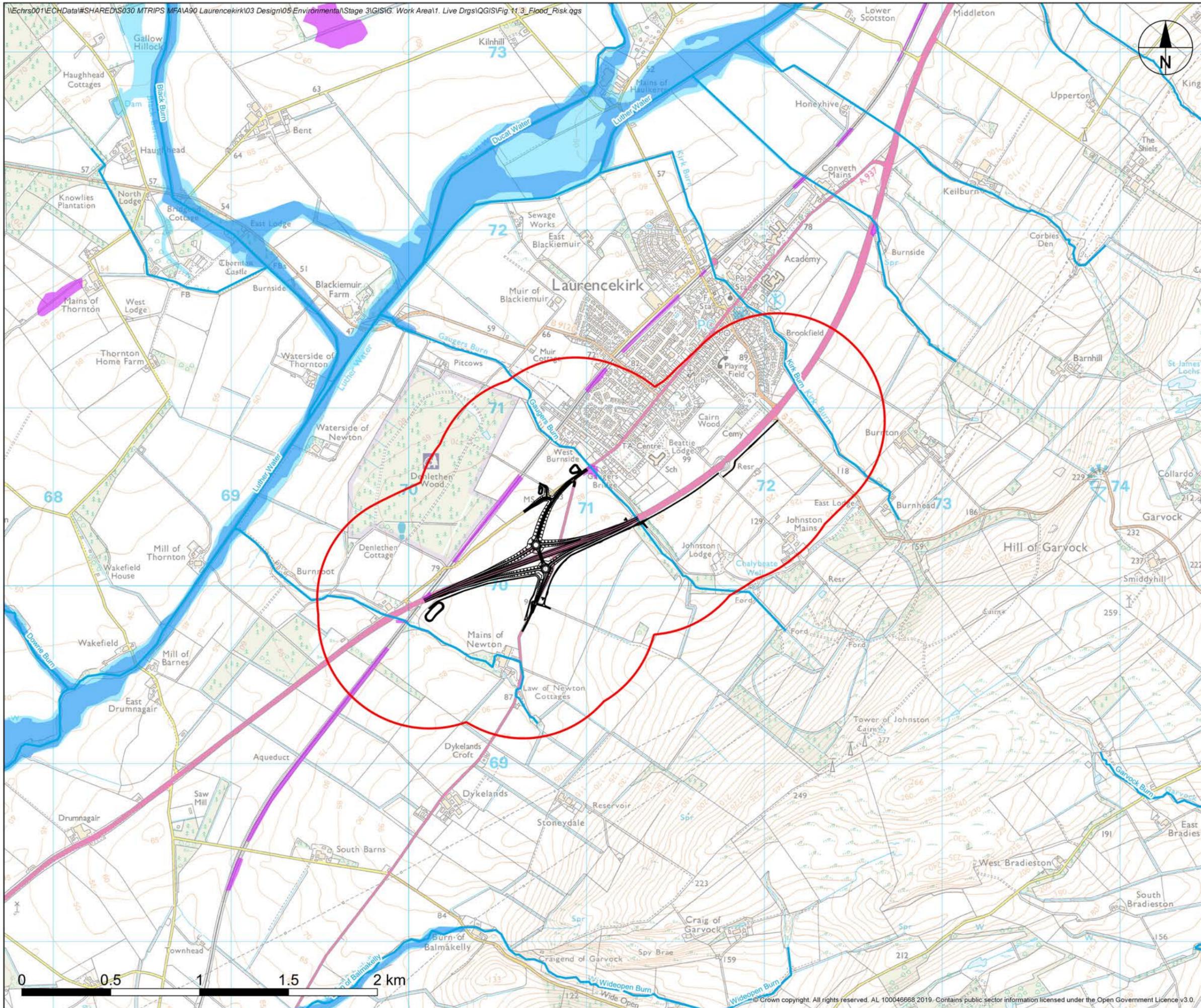
Rev	Revision Details	Drwn	Chkd	Appd	Date:



Project Name:  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title:  
**Groundwater Bodies**

Original Drg Size : A3	Scale : 1:20000
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 11.2	
Drawing No : 25000276-ENV-ES-STAGE_3_WAT-002	Rev P01



- Legend**
- Scheme Design
  - 600m Buffer
  - Scheme Design
  - Surface Watercourse
  - Surface Water Flood Risk
- River Flood Risk**
- High Flood Risk
  - Medium Flood Risk

Rev	Revision Details	Drwn	Chkd	Appd	Date:

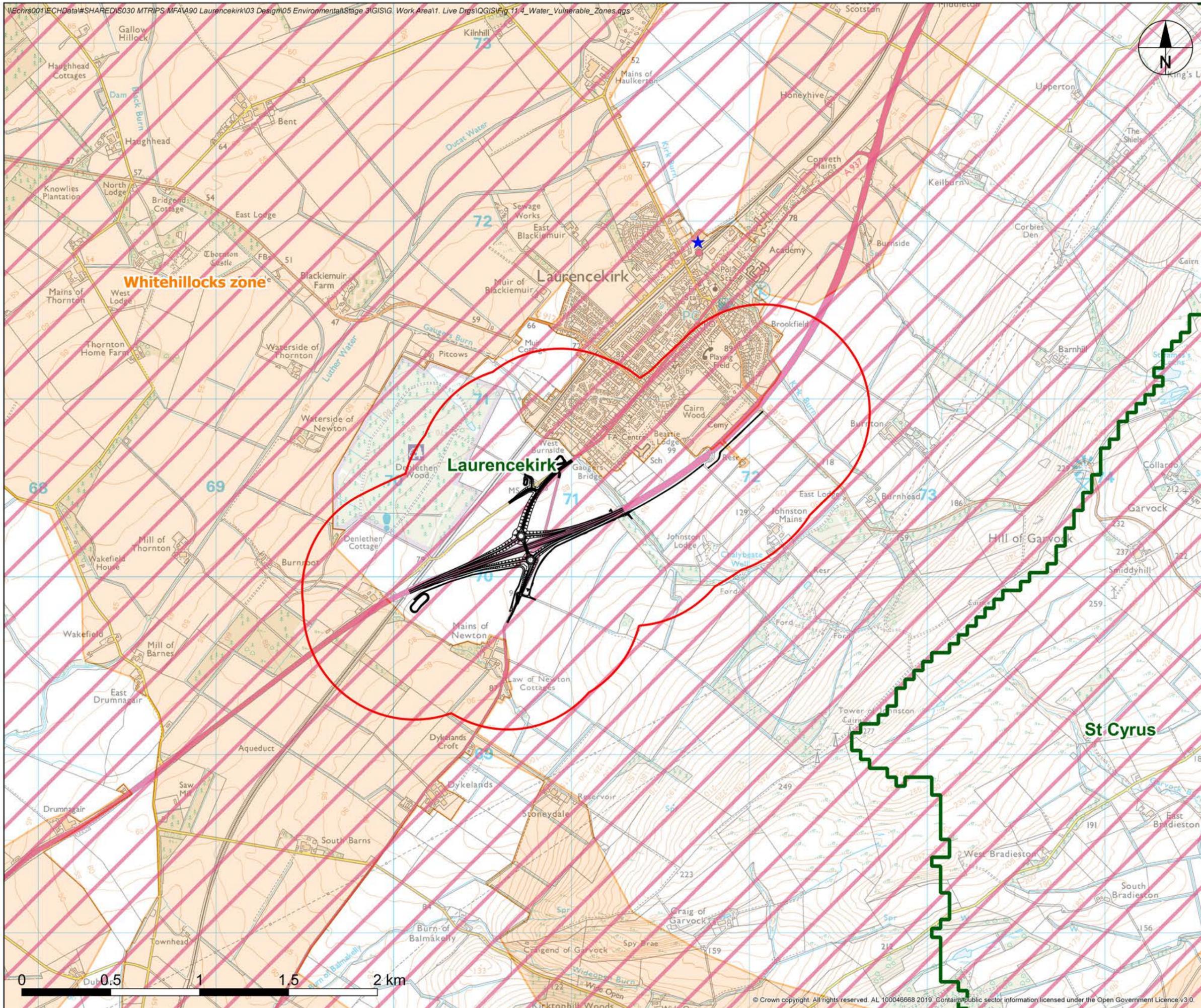


Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Flood Risk**

Original Drg Size : A3	Scale : 1:20,000
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 11.3	
Drawing No : 25000276-ENV-ES-STAGE_3_WAT-003	Rev P01





- Legend**
- Scheme Design
  - 600m Buffer
  - ★ SEPA Waste Water Releases
  - Diagonal Pink Lines Nitrate Vulnerable Zone
  - Green Stepped Line Drinking Water Protected Area (Groundwater)
  - Orange Shaded Area Water Regulation Zone

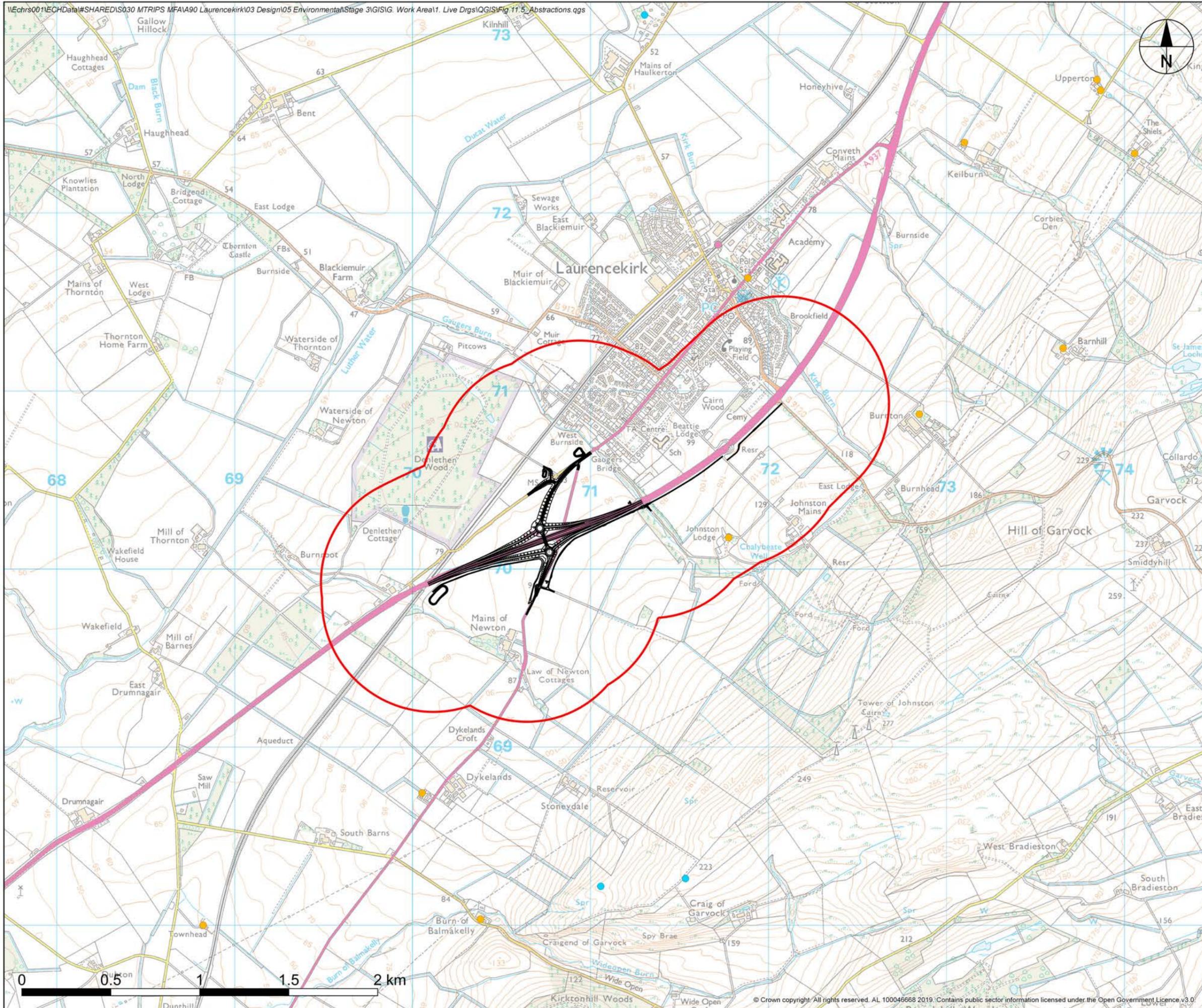
Rev	Revision Details	Drwn	Chkd	Appd	Date:



Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Water Vulnerable Zones**

Original Drg Size : A3	Scale : 1:20,000
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 11.4	
Drawing No : 25000276-ENV-ES-STAGE_3_WAT-004	Rev P01



**Legend**

- Scheme Design
- 600m Buffer

**Private Water Supply (PWS) Locations**

- Type A
- Type B



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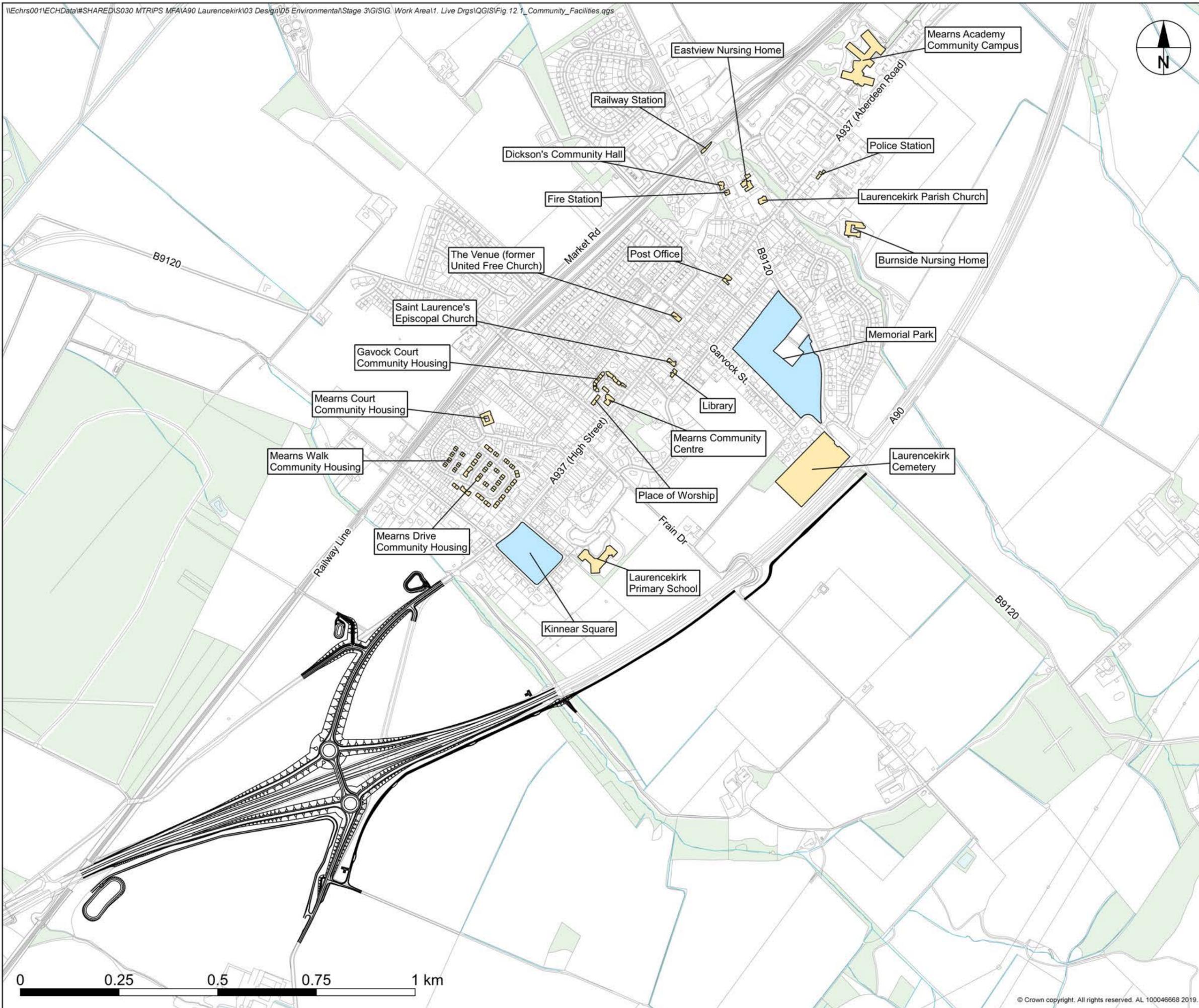
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Client:

Project Name:  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title:  
**Abstractions**

Original Drg Size : A3	Scale : 1:20,000
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 11.5	
Drawing No : 25000276-ENV-ES-STAGE_3_WAT-005	Rev P01



**Legend**

-  Scheme Design
-  Community Facilities
-  Community Land

Rev	Revision Details	Drwn	Chkd	Appd	Date:

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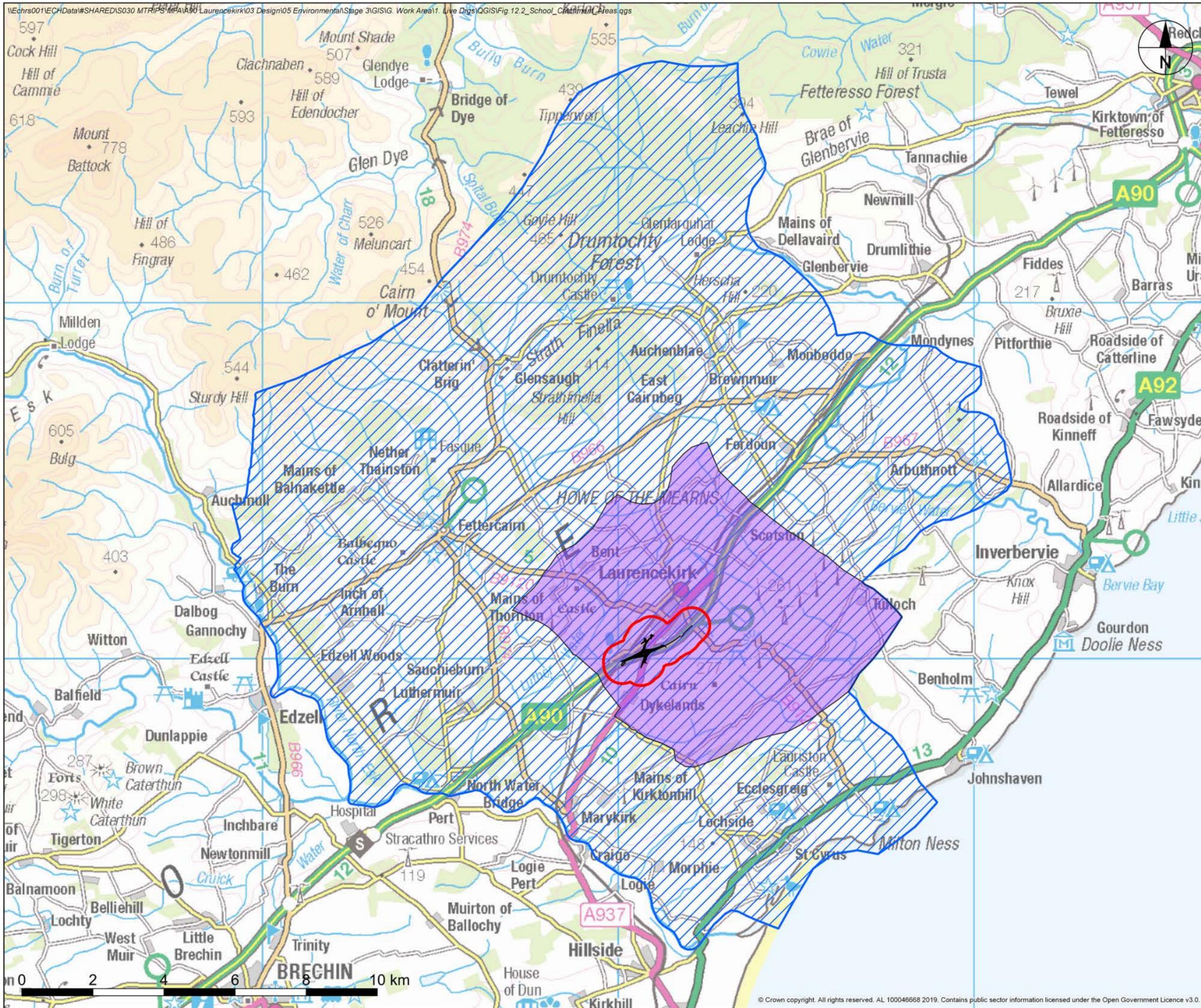
Drawing Title :  
**Community Land Use**

Original Drg Size : A3	Scale : 1:9,000
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 12.1**

Drawing No : 25000276-ENV-ES-STAGE_3_PC-001	Rev P01
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**Legend**

- Scheme Design
- Scheme Location
- Primary School Catchments**
- Laurencekirk Primary
- Secondary School Catchments**
- ▨ Mearns Academy

Rev	Revision Details	Drwn	Chkd	Appd	Date:

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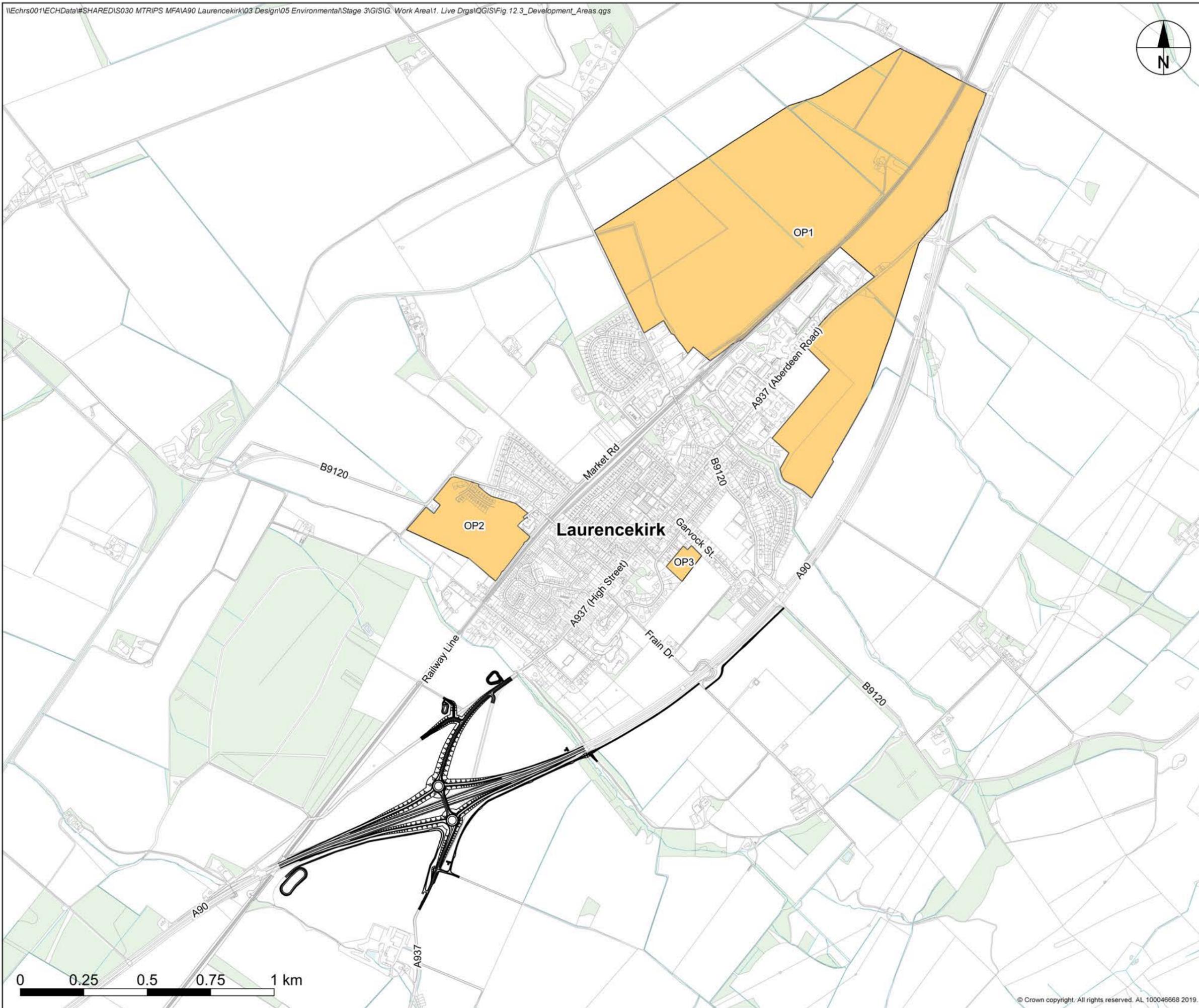
www.amey.co.uk

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Project Name:  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title:  
**School Catchment Areas**

Original Drg Size : A3	Scale : 1:100,000
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 12.2	
Drawing No : 25000276-ENV-ES-STAGE_3_PC-002	Rev P01



**Legend**

- Scheme Design
- Development Areas

Rev	Revision Details	Drwn	Chkd	Appd	Date:

Designed: JB Date: 03/07/2019  
 Drawn: JB Date: 03/07/2019  
 Checked: ACT Date: 03/07/2019  
 Approved: AW Date: 03/07/2019

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**Stage 3 Environmental Impact Assessment Report**

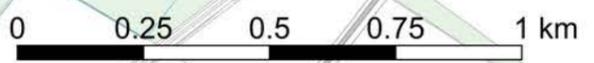
Drawing Title: **Development Areas**

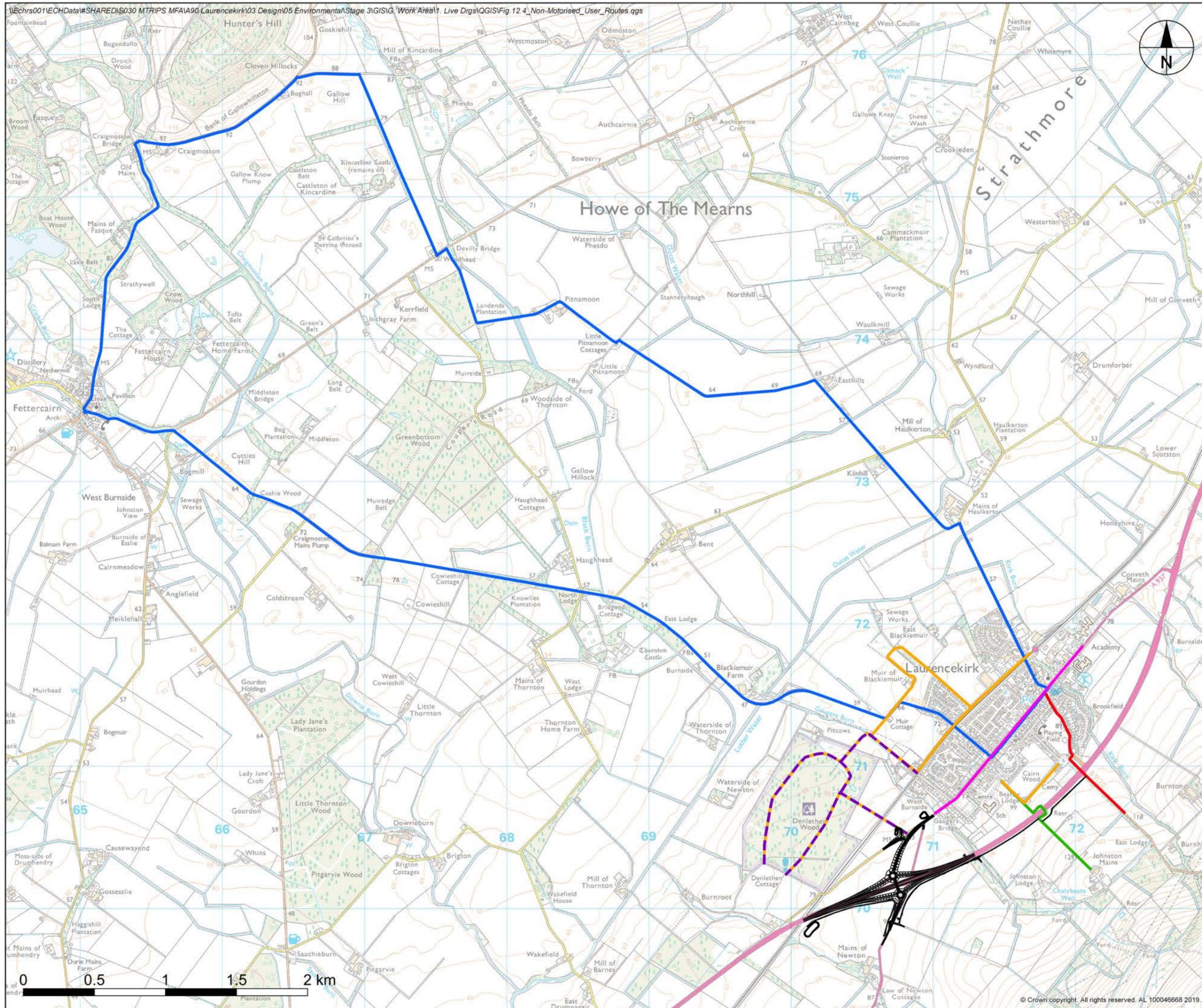
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Dimensions :	Page : 1 of 1

Drawing Status : <b>Suitable for Stage Approval</b>	Suitability <b>S4</b>
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Figure No: **Figure 12.3**

Drawing No: 25000276-ENV-ES-STAGE_3_PC-003	Rev <b>P01</b>
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- Legend**
- Scheme Design
  - Route 1 - B9120 pedestrian crossing of the A90 at middle junction
  - Route 2 - Frain drive, A90 underpass and core paths
  - Route 3 - Blackiemuir Avenue/ Gardenston Street and Denlethen Woods
  - Route 4 - Laurencekirk High Street
  - Laurencekirk to Fettercairn Circular Cycle Path
  - Core Paths

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**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

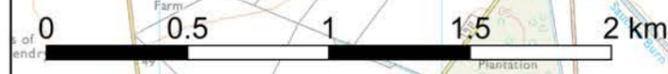
Drawing Title:  
**Non-Motorised User Routes**

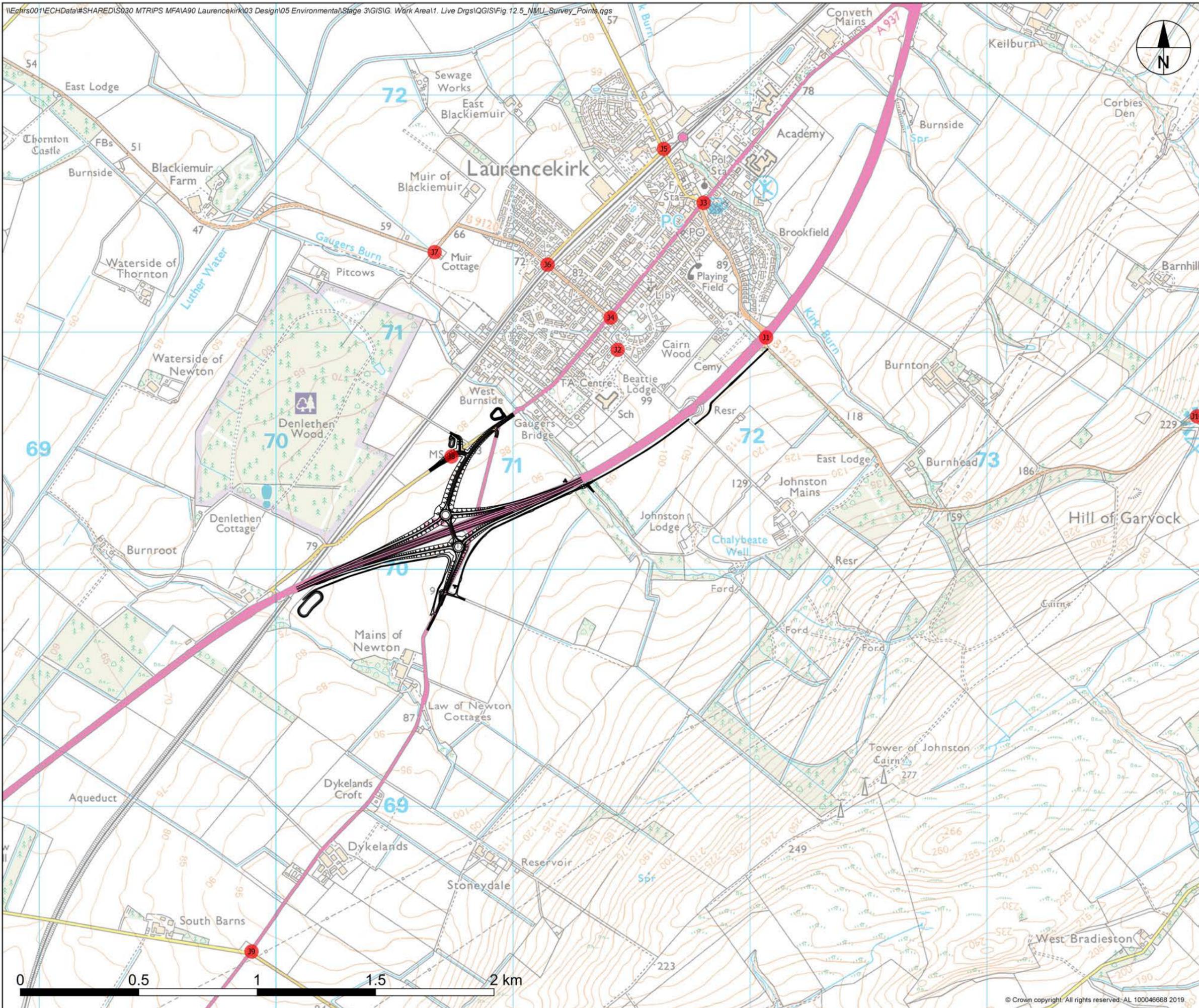
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Drawing Status: Suitable for Stage Approval	Suitability S4
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Figure No:  
**Figure 12.4**

Drawing No: 25000276-ENV-ES-STAGE_3_PC-004	Rev P01
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**Legend**

- Scheme Design
- NMU Survey Points

Rev	Revision Details	Drwn	Chkd	Appd	Date:
	Designed: ES				Date: 18/11/2019
	Drawn: ES				Date: 18/11/2019
	Checked: HC				Date: 18/11/2019
	Approved: AW				Date: 18/11/2019

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Client:  **TRANSPORT SCOTLAND**  
COMHDAIL ALBA

Project Name: **A90/A937 Laurencekirk Junction Improvement Scheme Stage 3 Environmental Statement**

Drawing Title: **NMU Survey Points**

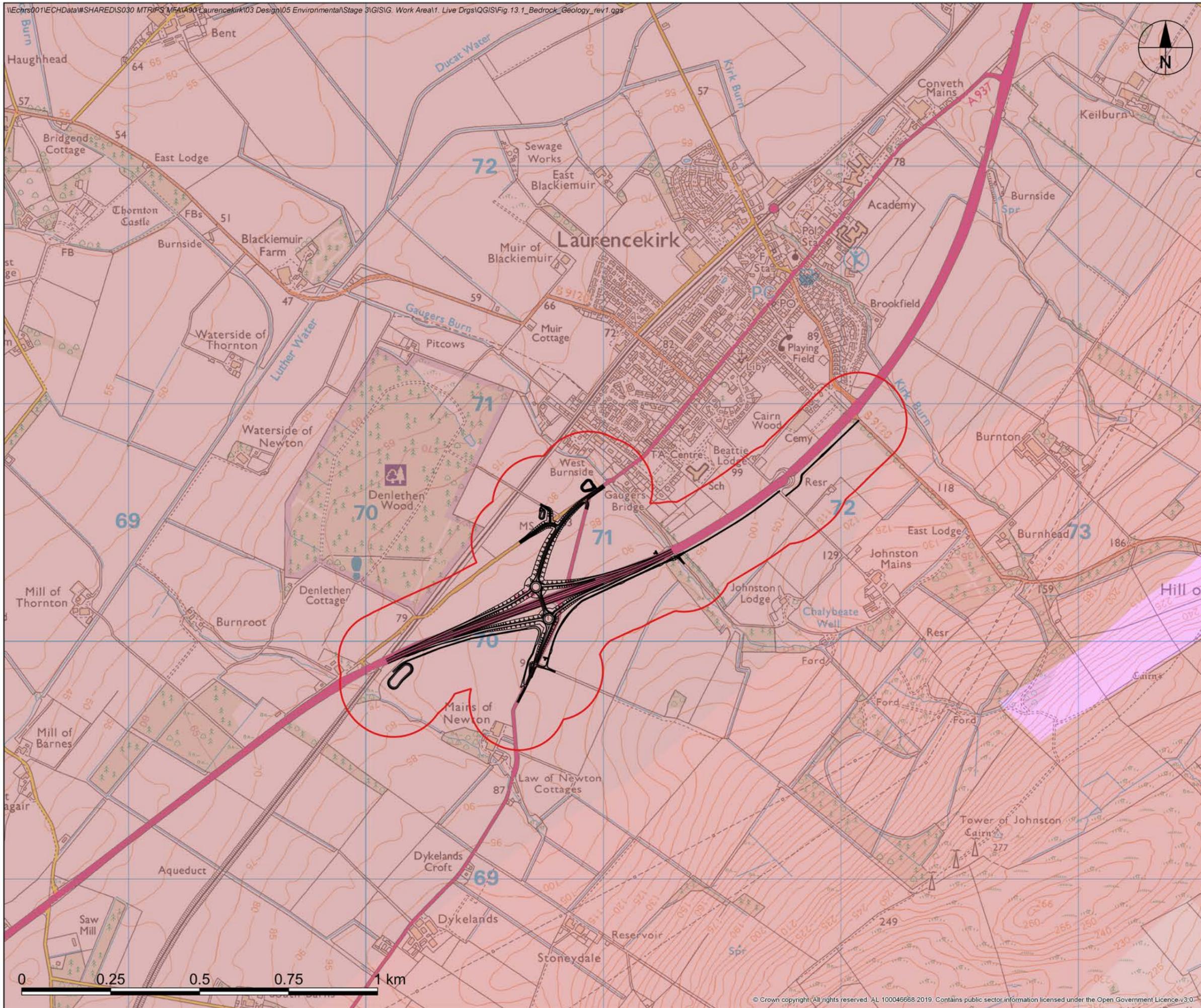
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Drawing Status : <b>Suitable for Stage Approval</b>	Suitability <b>S4</b>
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Figure No: **Figure 12.5**

Drawing No: 25000276-ENV-ES-STAGE_3_PC-005	Rev <b>P01</b>
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**Legend**

- Scheme Design
- ▭ 200m Buffer

**Bedrock Classification**

- ▭ Cromlix Mudstone Formation
- ▭ Deep Conglomerate Formation
- ▭ Arbutnott-Garvock Group - Andesitic Rock

Rev	Revision Details	Drwn	Chkd	Appd	Date:

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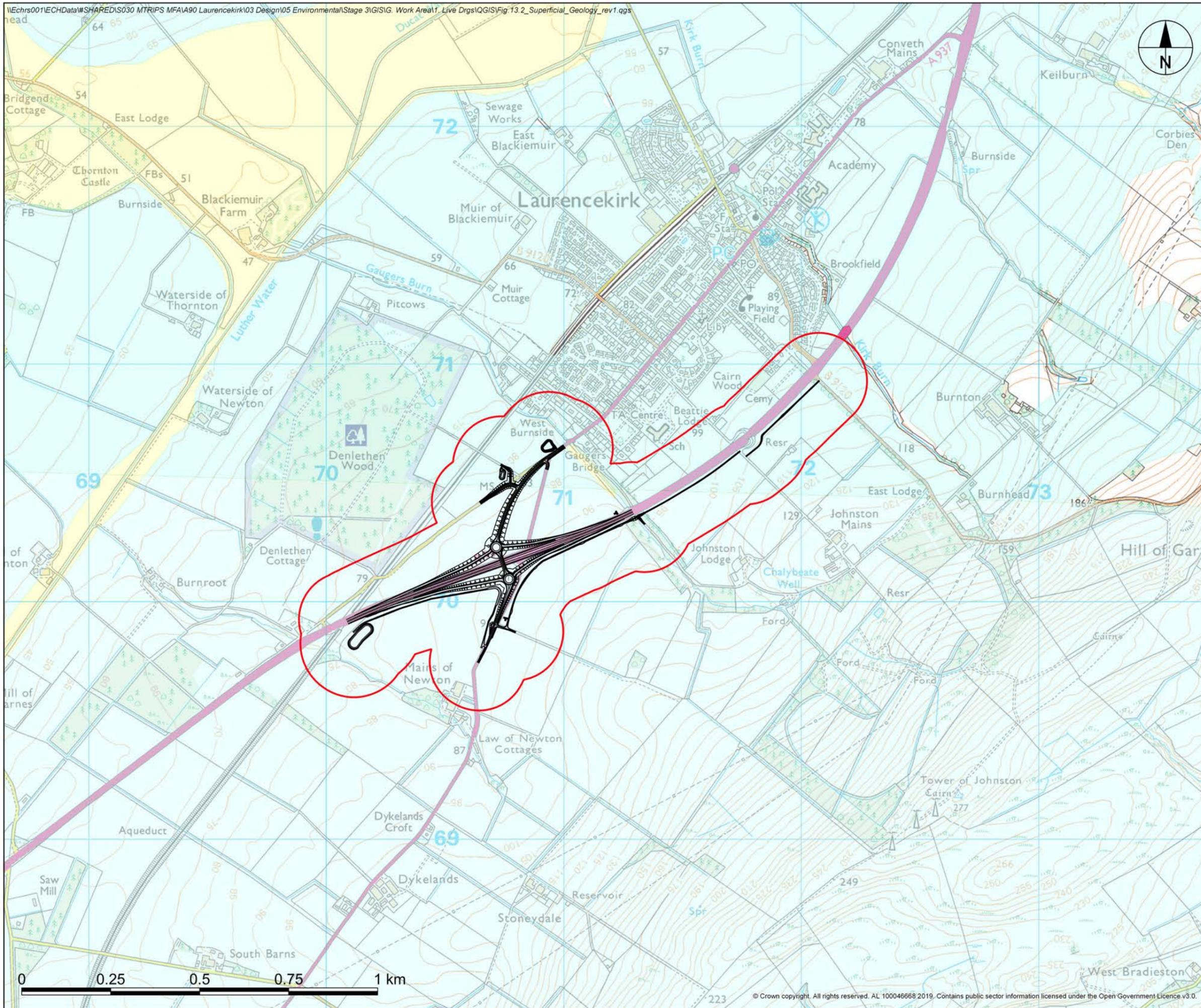
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Project Name:  
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**Stage 3 Environmental Impact Assessment Report**

Drawing Title:  
**Bedrock Geology**

Original Drg Size : A3	Scale : 1:15,000
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 13.1	
Drawing No : 25000276-ENV-ES-STAGE_3_GEO-001	Rev P01



**Legend**

- Scheme Design
- ▭ 200m Buffer

**Superficial Deposits**

- ▭ Mill of Forest Till Formation - Diamicton
- ▭ Till Devensian - Diamicton
- ▭ Alluvium - Clay, Silt, Sand and Gravel

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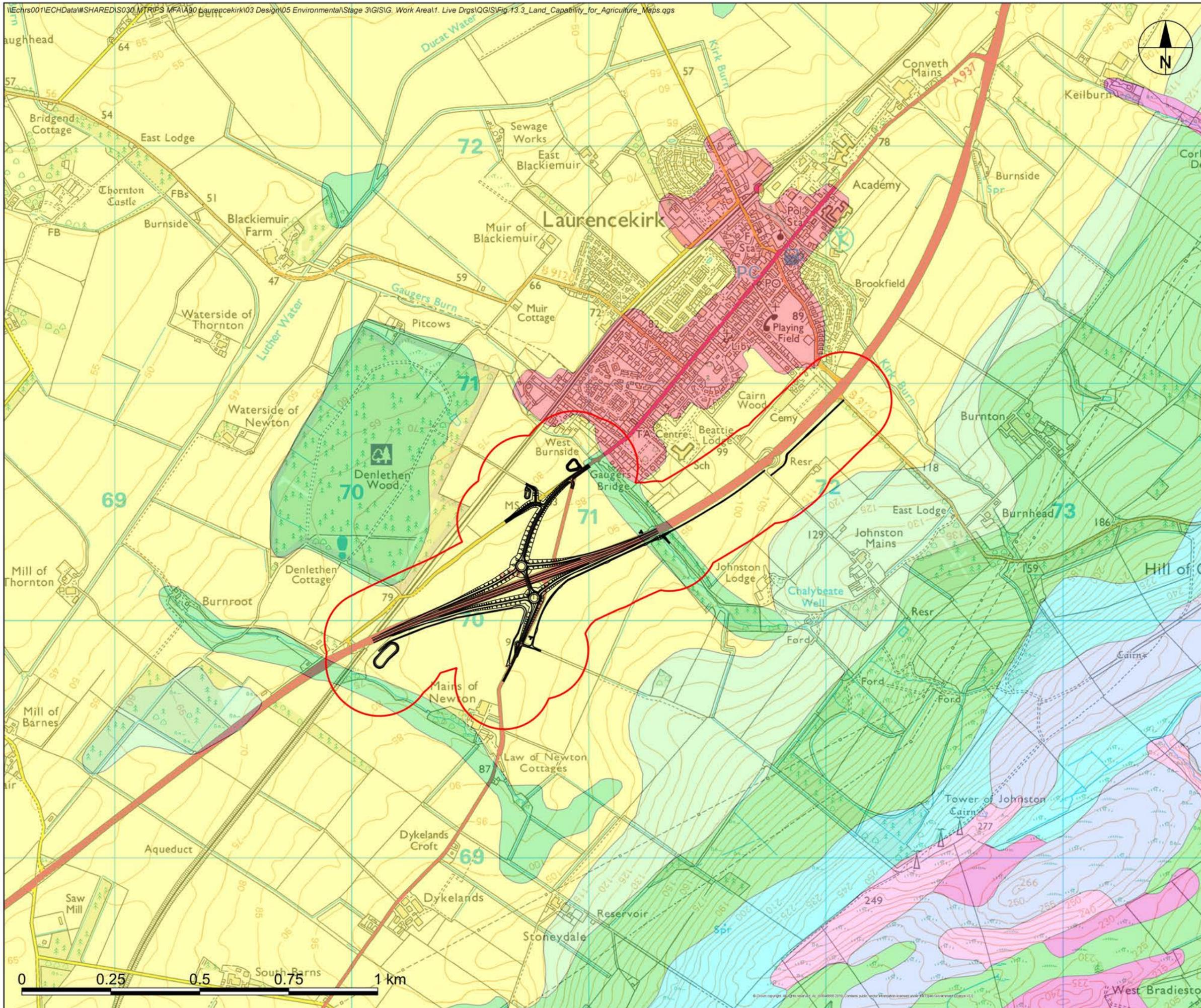
Drawing Title:  
**Superficial Geology**

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 Dimensions :                  Page : 1 of 1

Drawing Status :      Suitability  
**Suitable for Stage Approval**      **S4**

Figure No :  
**Figure 13.2**

Drawing No :      Rev  
 25000276-ENV-ES-STAGE\_3\_GEO-002      P01



### Legend

- Scheme Design
- 200m Buffer
- Hutton Institute Land Capability for Agriculture - Classification**
- Class 2 - Land capable of producing a wide range of crops
- Class 3.1 - Land capable of producing consistently high yields of a narrow range of crops and/or moderate yields of a wider range
- Class 3.2 - Land capable of average production
- Class 4.1 - Land suited to rotations
- Class 4.2 - Land primarily grassland with some limited potential for other crops
- Class 5.2 - Land moderately suited to reclamation and use as improved grassland
- Class 5.3 - Land marginally suited to reclamation and use as improved grassland
- Built up Area

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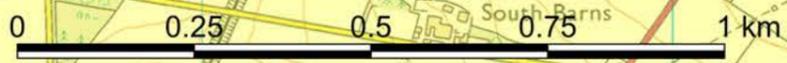
Drawing Title:  
**Land Capability for Agriculture**

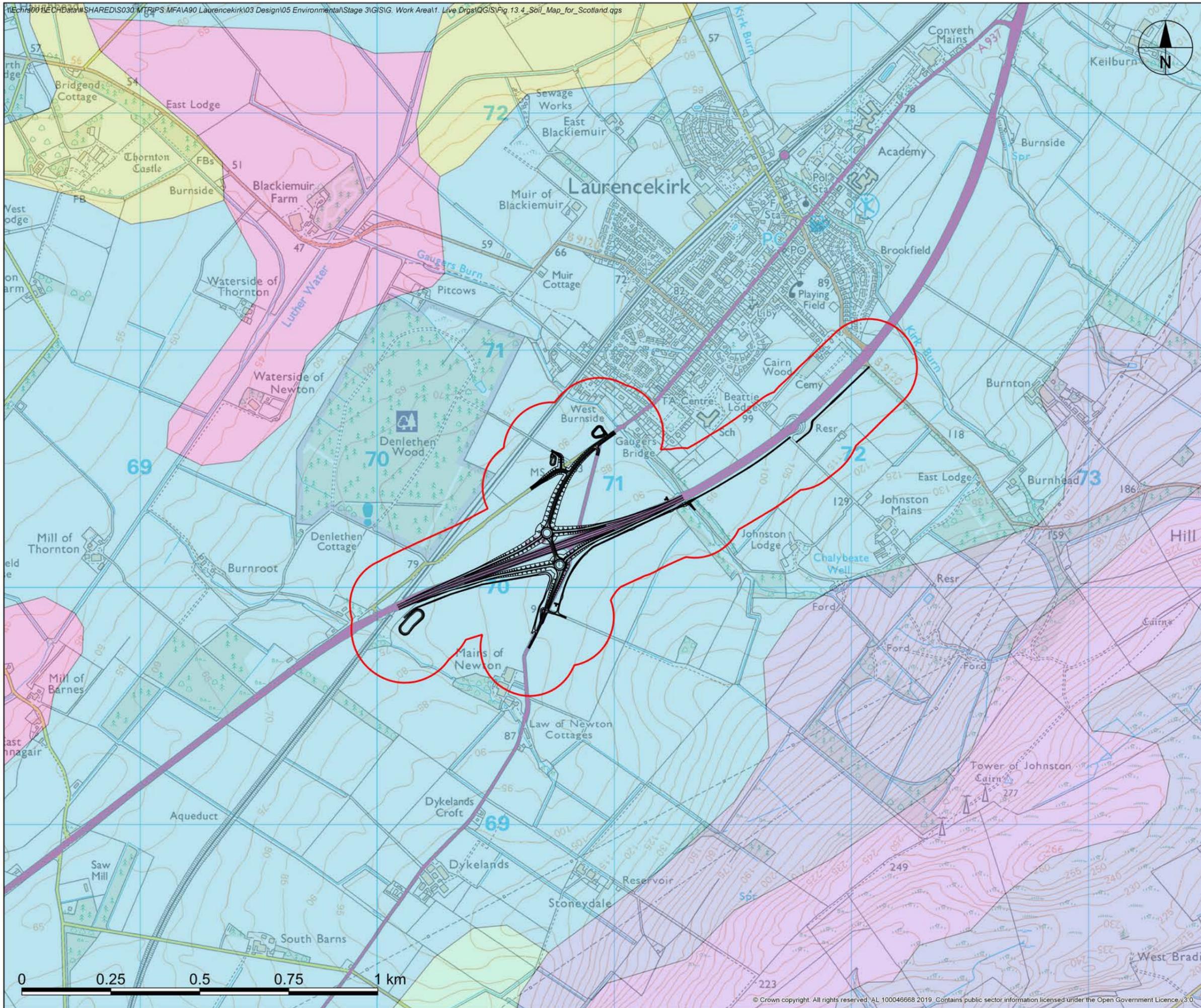
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Drawing Status: Suitable for Stage Approval	Suitability S4
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Figure No:  
**Figure 13.3**

Drawing No: 25000276-ENV-ES-STAGE_3_GEO-003	Rev P01
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**Legend**

- Scheme Design
- 200m Buffer
- Hutton Institute Soil Map for Scotland (1:25000) - Classification**
- Alluvial soils
- Brown forest soils with gleying, brown forest soils; some gleys
- Brown forest soils with gleying; some brown forest soils and noncalcareous gleys
- Brown forest soils; some humus-iron podzols and noncalcareous gleys
- Humus-iron podzols; some brown forest soils and gleys
- Noncalcareous gleys, peaty gleys; some humic gleys

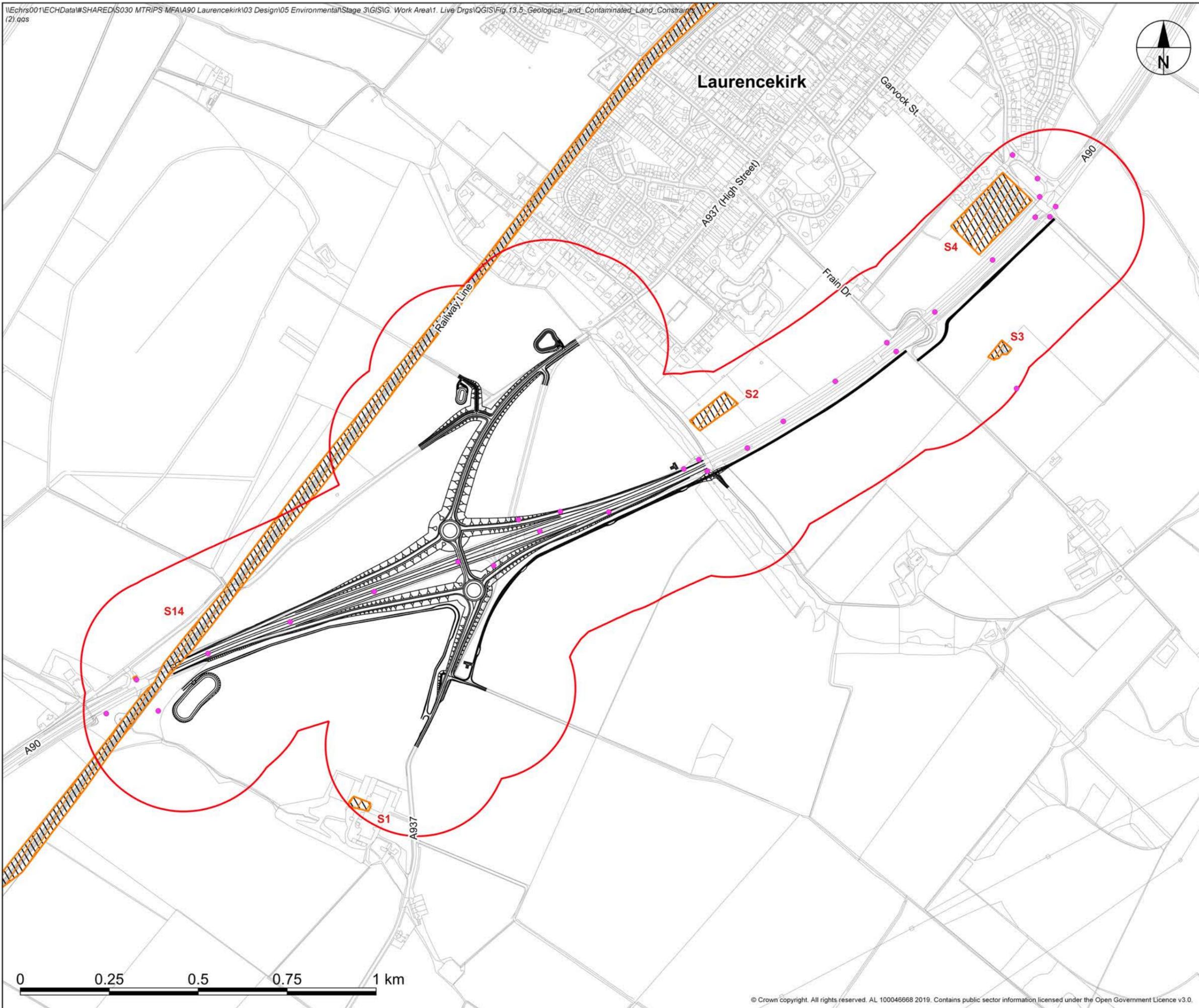
Rev	Revision Details	Drwn	Chkd	Appd	Date:



Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Soil Map for Scotland (1:25000)**

Original Drg Size : A3	Scale : 1:15000
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 13.4	
Drawing No : 25000276-ENV-ES-STAGE_3_GEO-004	Rev P01



- Legend**
- Scheme Design
  - 200m Buffer
  - ▨ Contaminated Land Sources
  - ▩ Artificial Ground
  - Borehole

Rev	Revision Details	Drwn	Chkd	Appd	Date:



Project Name :  
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**Stage 3 Environmental Impact Assessment Report**

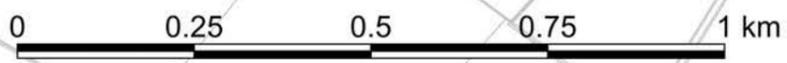
Drawing Title :  
**Geological and Contaminated Land Constraints**

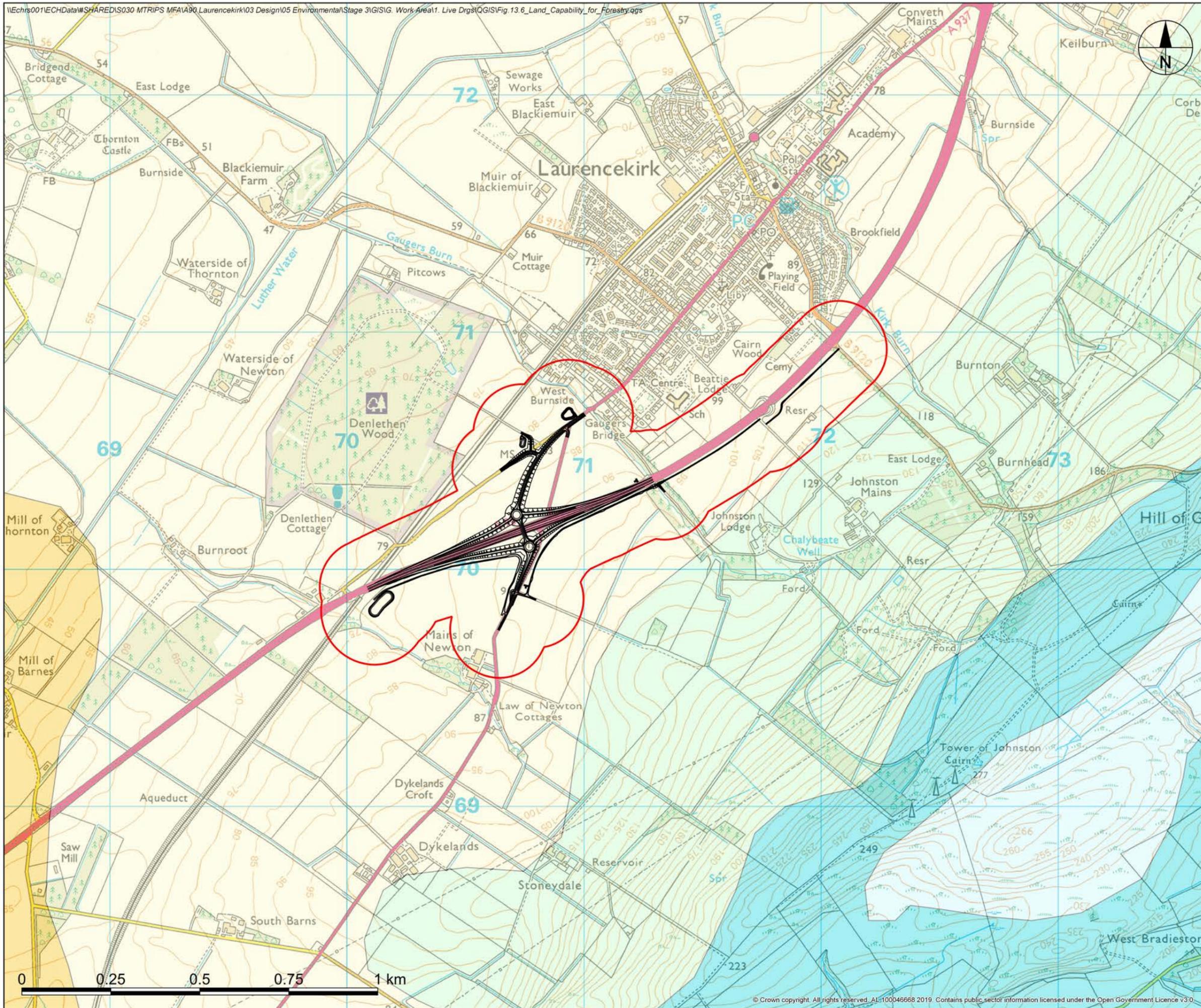
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Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 13.5**

Drawing No : 25000276-ENV-ES-STAGE_3_GEO-005	Rev P01
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**Legend**

- Scheme Design
- 200m Buffer
- Very good flexibility for trees
- Good flexibility for trees
- Moderate flexibility for trees
- Limited flexibility for trees
- Very limited flexibility for trees

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Project Name :  
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Drawing Title :  
**Land Capability for Forestry**

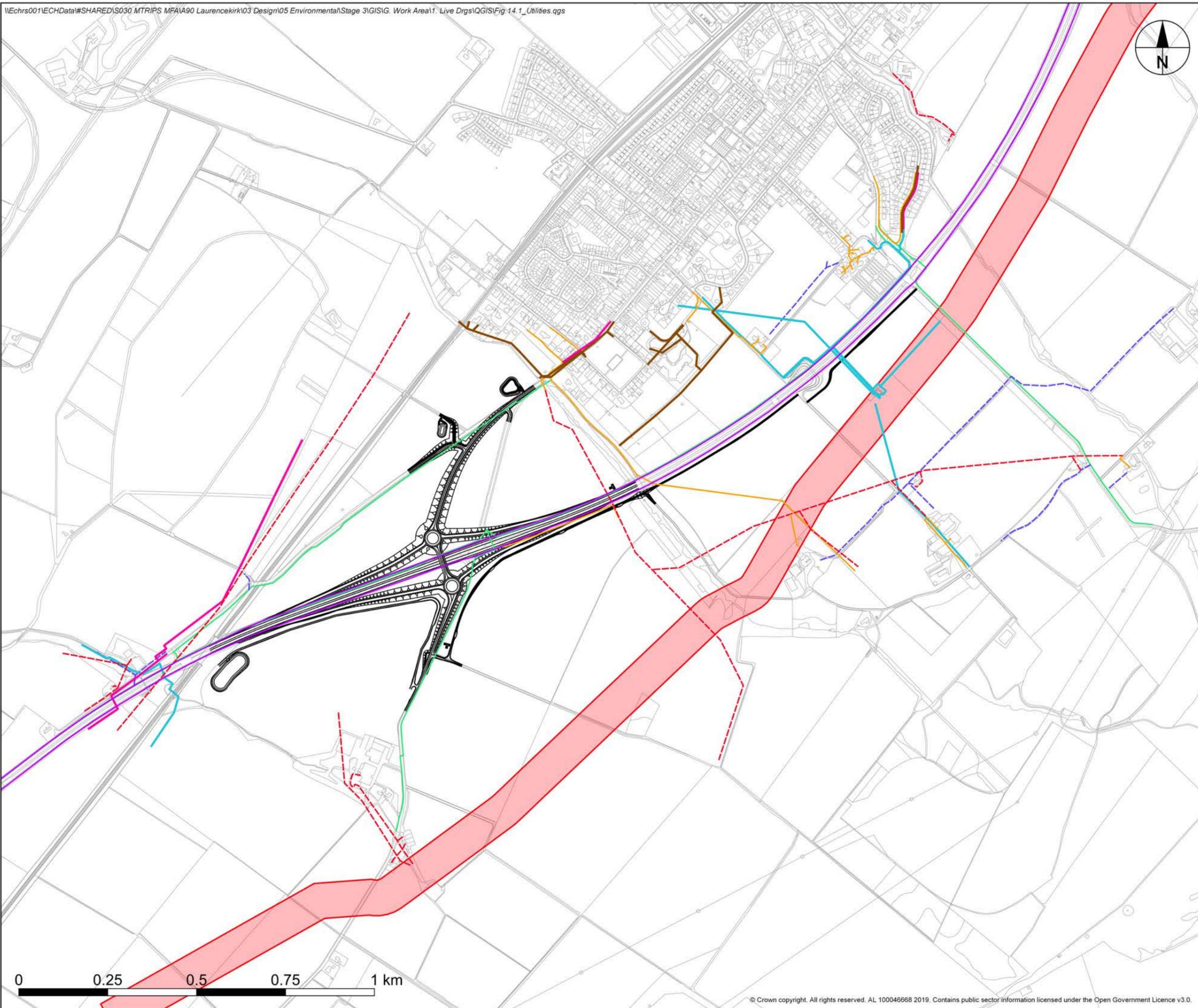
Original Drg Size : A3	Scale : 1:15000
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 13.6**

Drawing No : 25000276-ENV-ES-STAGE_3_GEO-006	Rev P01
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**Legend**

- Scheme Design
- Vodafone Cables
- - - SSE Overground Cables
- SSE Underground Cables
- - - BT Overhead Cables
- BT Underground Cables
- Scottish Water Distribution Main
- Gas
- Sewer
- BP Forties Pipeline

Rev	Revision Details	Drwn	Chkd	Appd	Date:

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Project Name :  
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Drawing Title :  
**Utilities Layout**

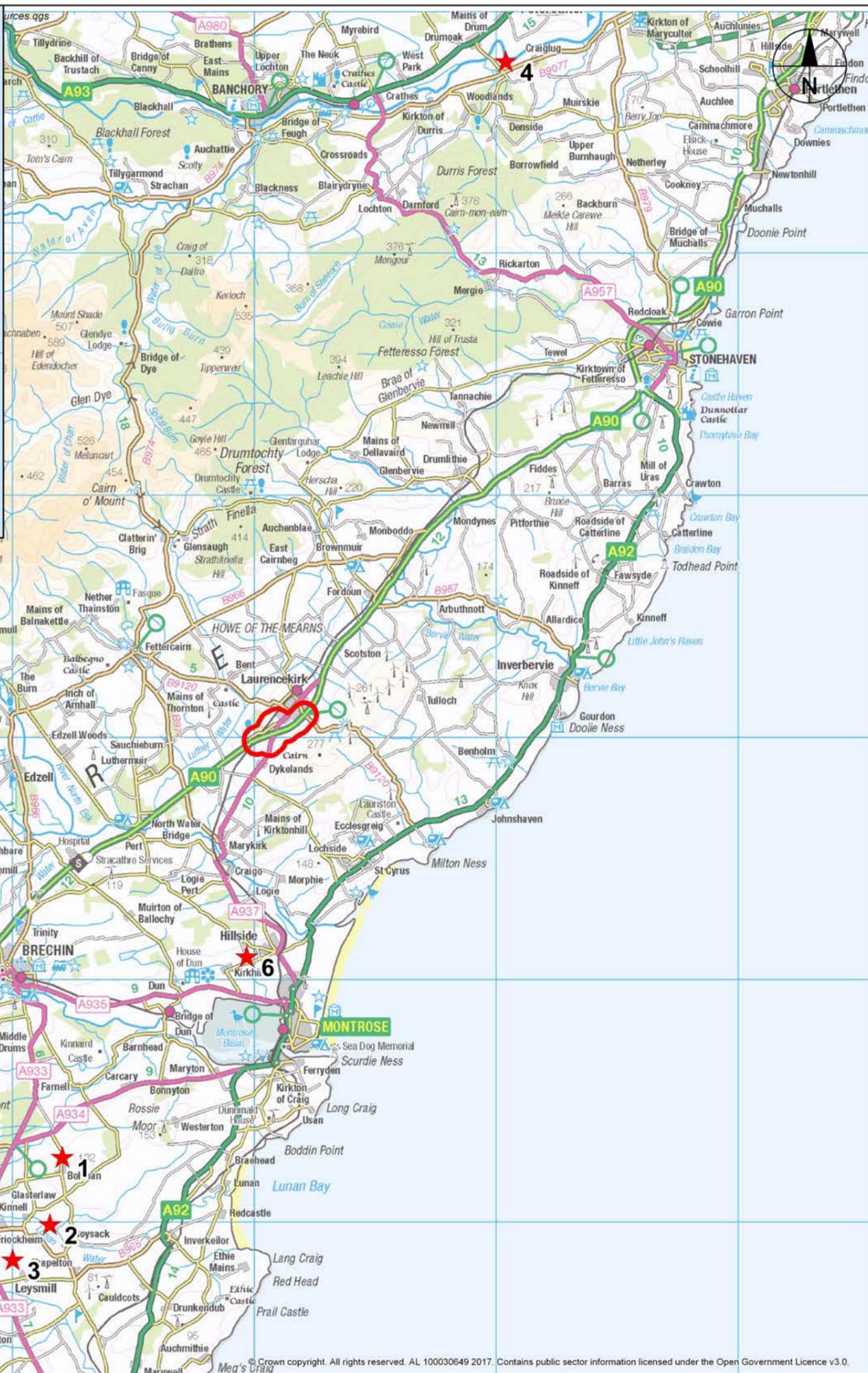
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Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 14.1**

Drawing No : 25000276-ENV-ES-STAGE_3_MAT-001	Rev P01
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**Legend**

- Scheme Location
- ★ Waste Management Site

Ref. No.	Landfill Licence No.	Name of Landfill Site
1	PPC/A/1008926	Bolshan Quarry Landfill
2	PPC/A/1009964	Hatton Mill Landfill Site
3	PPC/A/1008876	Broder Quarry Landfill
4	PPC/A/1008856	Park Quarry
5	PPC/A/1000120	Restenneth Landfill Site
6	PPC/A/1008879	Prettycur Landfill Site
7	PPC/E/0020086	Avondale Hazardous Landfill Site

Rev	Revision Details	Drwn	Chkd	Appd	Date:

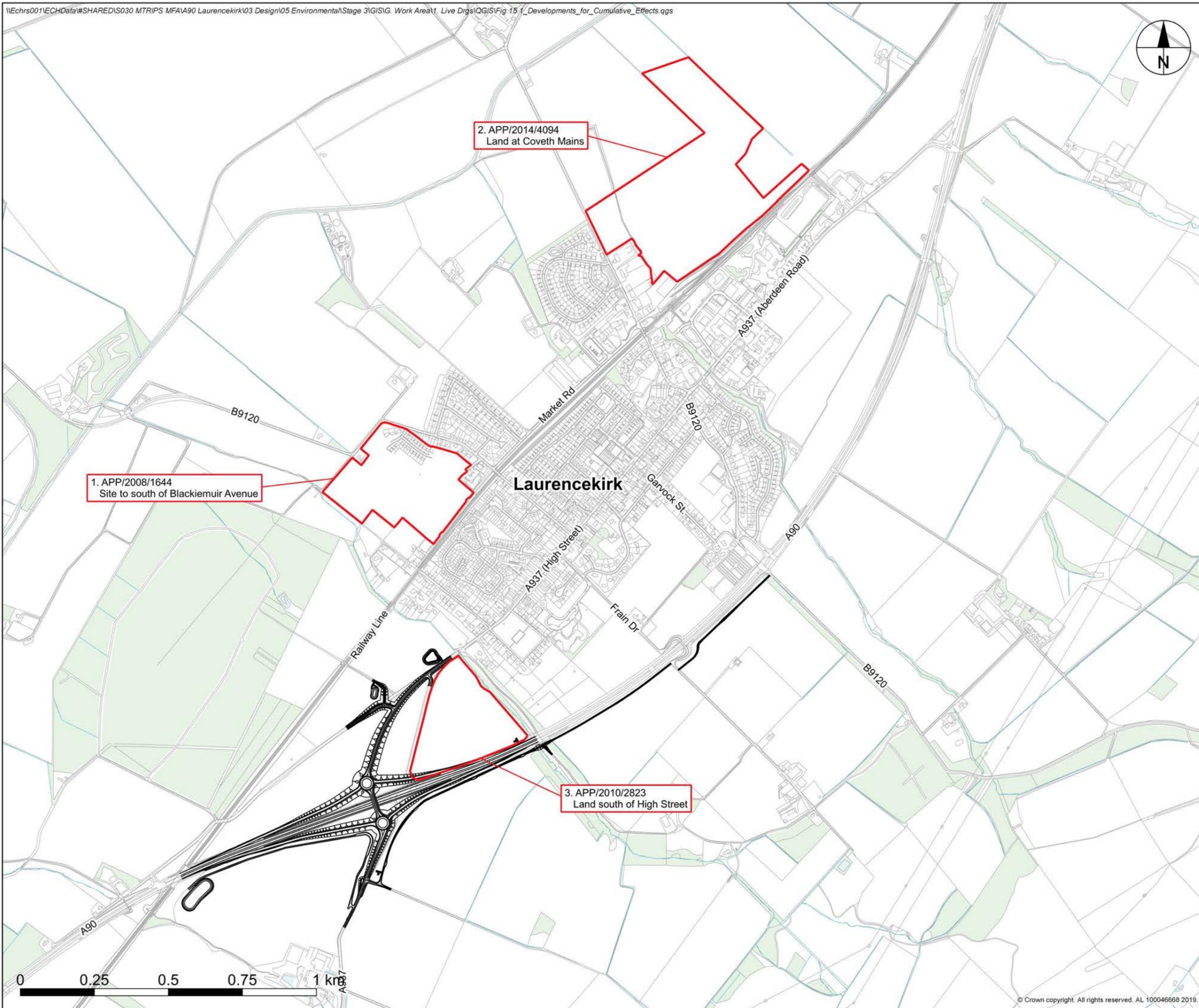
Designed: JB Date: 19/03/2019  
 Drawn: JB Date: 19/03/2019  
 Checked: ACT Date: 19/03/2019  
 Approved: AV Date: 19/03/2019



Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Waste Resources**

Original Drg Size : A3	Scale : AS SHOWN
Dimensions :	Page : 1 of 1
Drawing Status : Suitable for Stage Approval	Suitability S4
Figure No : Figure 14.2	
Drawing No : 25000276-ENV-ES-STAGE_3_MAT-002	Rev P01



**Legend**

-  Scheme Design
-  Planning application boundary

Rev	Revision Details	Drwn	Chkd	Appd	Date

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Client :



Project Name :  
**A90/A937 Laurencekirk Junction Improvement Scheme**  
**Stage 3 Environmental Impact Assessment Report**

Drawing Title :  
**Developments for Cumulative Effects**

Original Drg Size : A3	Scale : 1:12,000
Dimensions :	Page : 1 of 1

Drawing Status : Suitable for Stage Approval	Suitability S4
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Figure No :  
**Figure 15.1**

Drawing No : 25000276-ENV-ES-STAGE_3_CUM-001	Rev P01
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