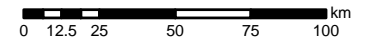
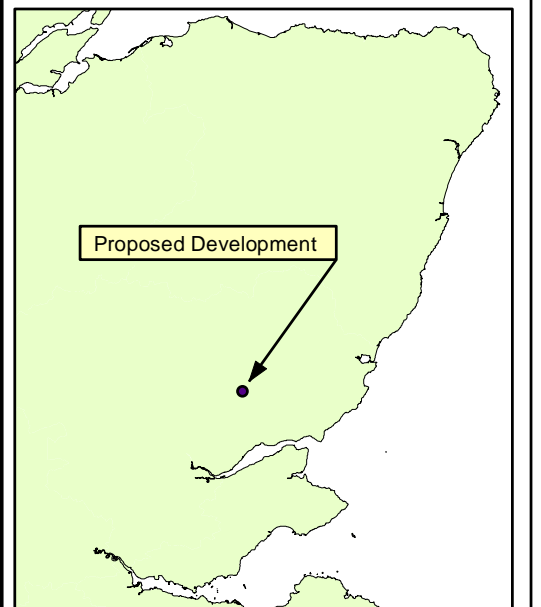




Legend

- Planning Boundary
- Proposed Substation



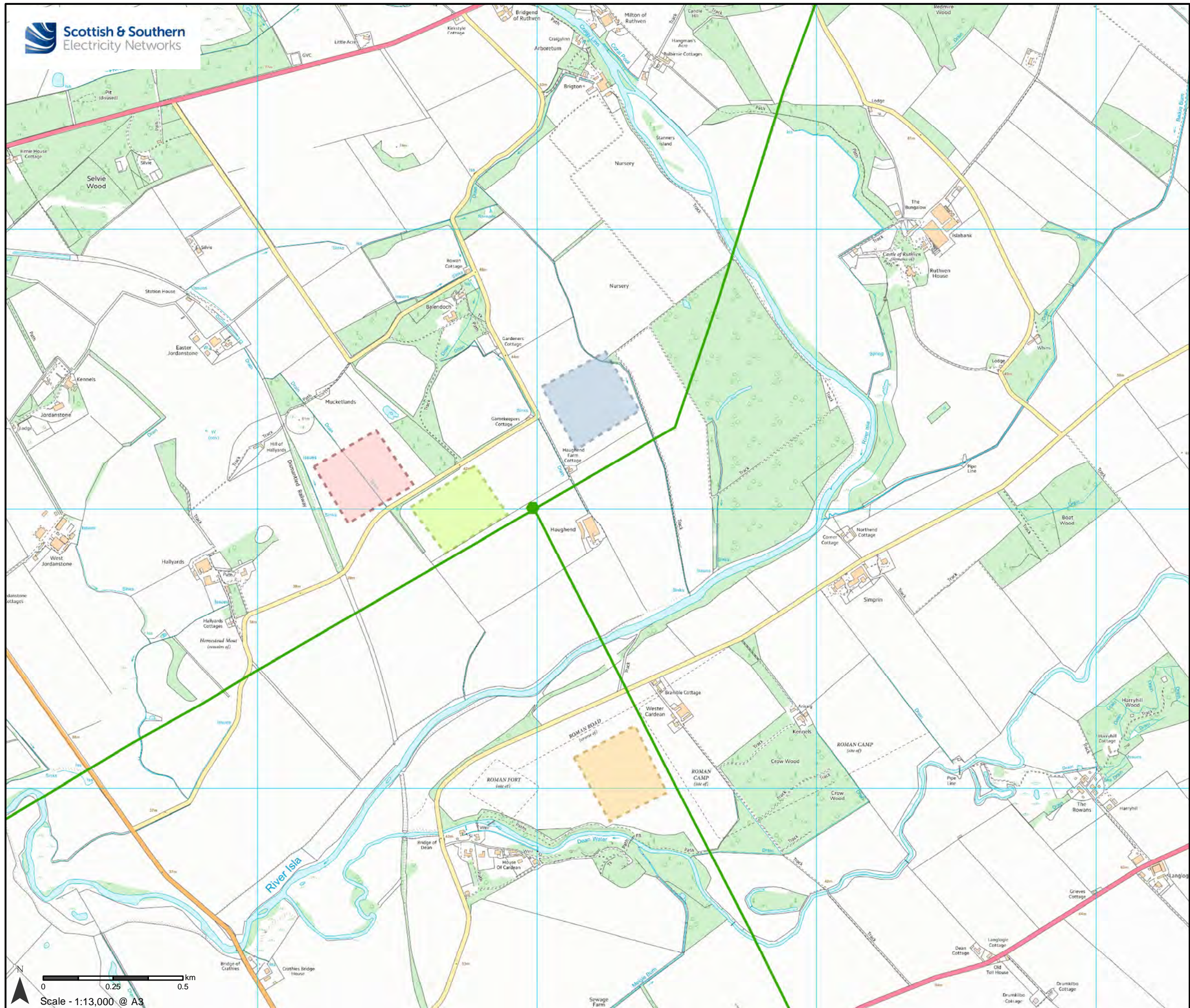
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Project No: LT139
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



Title: Figure 1.1 - Location Plan

Drawn by: LS Date: 03/10/2019
Drawing: 119011-D-1.1-1.0.0

Scale: 1:25,000 @ A3



Legend

-  Existing Overhead Line
-  Existing T-Junction Tower
-  Substation Site
-  Substation Site B
-  Substation Site C
-  Substation Site D

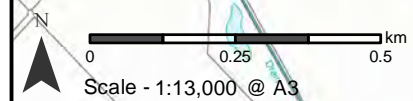
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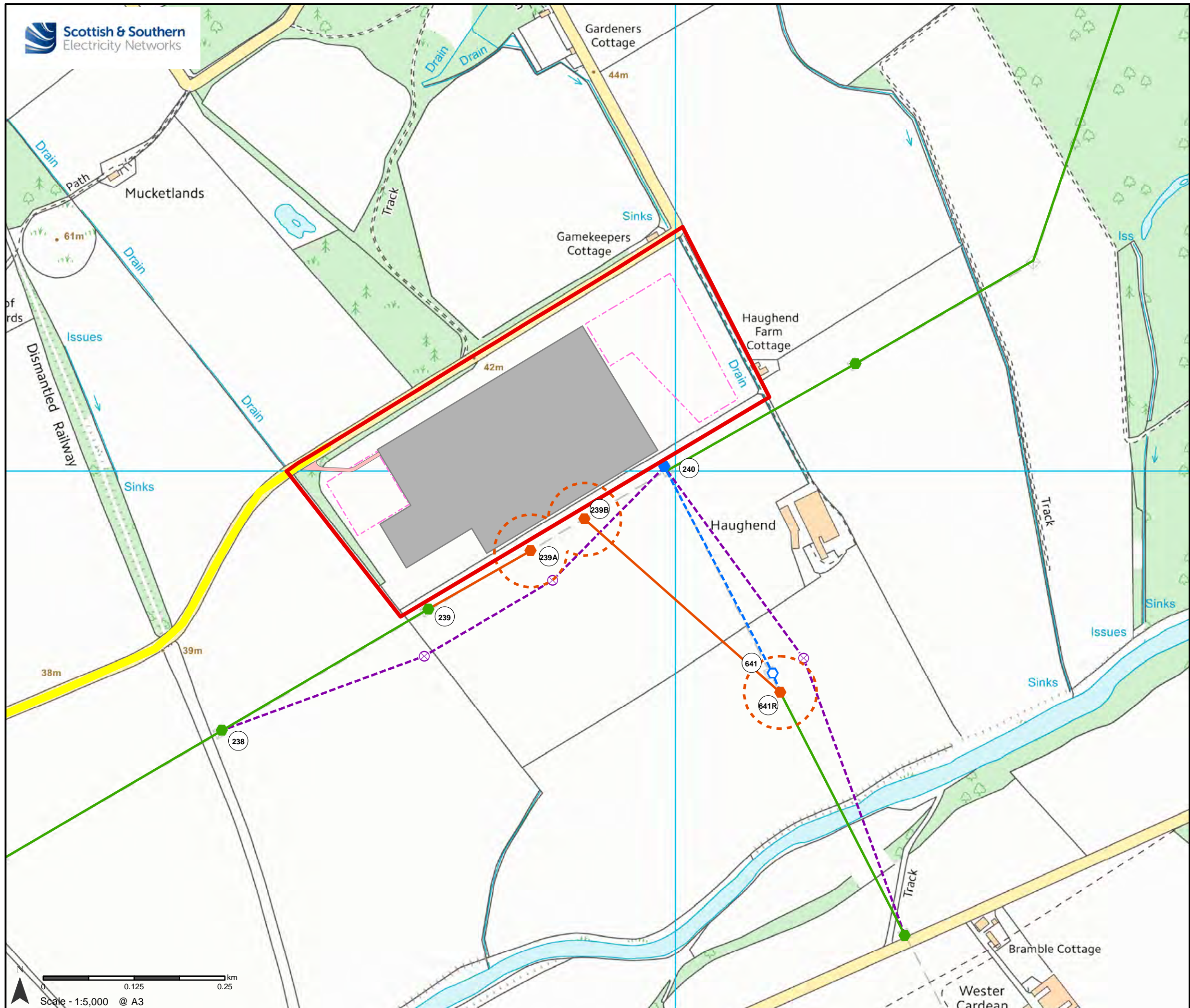
Project No: LT139
Project: Alyth 275 / 400 kV Substation
and Associated Infrastructure

Title: Figure 2.1 - Location of Potential
Substation Sites

Drawn by: LS Date: 03/10/2019

Drawing: 119011-D-2.1-1.0.0





Legend

- Planning Boundary
- Proposed Substation
- Proposed Substation Access Track
- Temporary Construction Compound
- Proposed Construction Access (subject to Public Road Improvements)
- Tower Numbers

Applications under Section 37 of The Electricity Act 1989

- Existing Tower to be Retained
- Existing Tower to be Modified
- Existing Tower to be Removed
- Proposed New Tower
- Proposed New Temporary Mast
- Existing Overhead Line to be Removed
- Existing Overhead Line to be Retained
- Proposed New Overhead Line
- Proposed Temporary Overhead Line
- 50m Limit of Deviation

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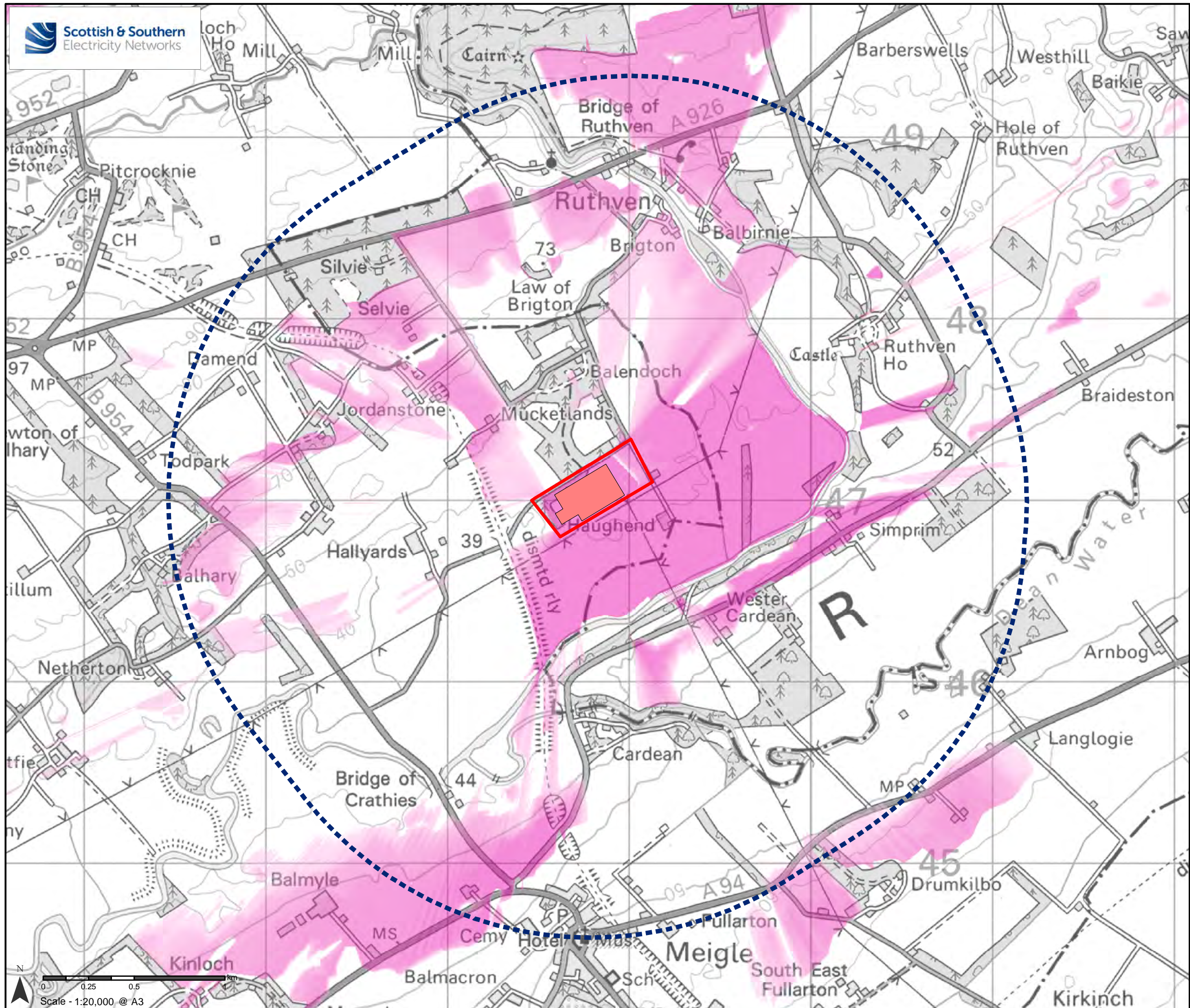
Project No: LT139

Project: Alyth 275 / 400 kV Substation and Associated Infrastructure

Title: Figure 3.1 - The Proposed Development

Drawn by: LS Date: 03/10/2019

Drawing: 119011-D-3.1-1.0.0



Legend

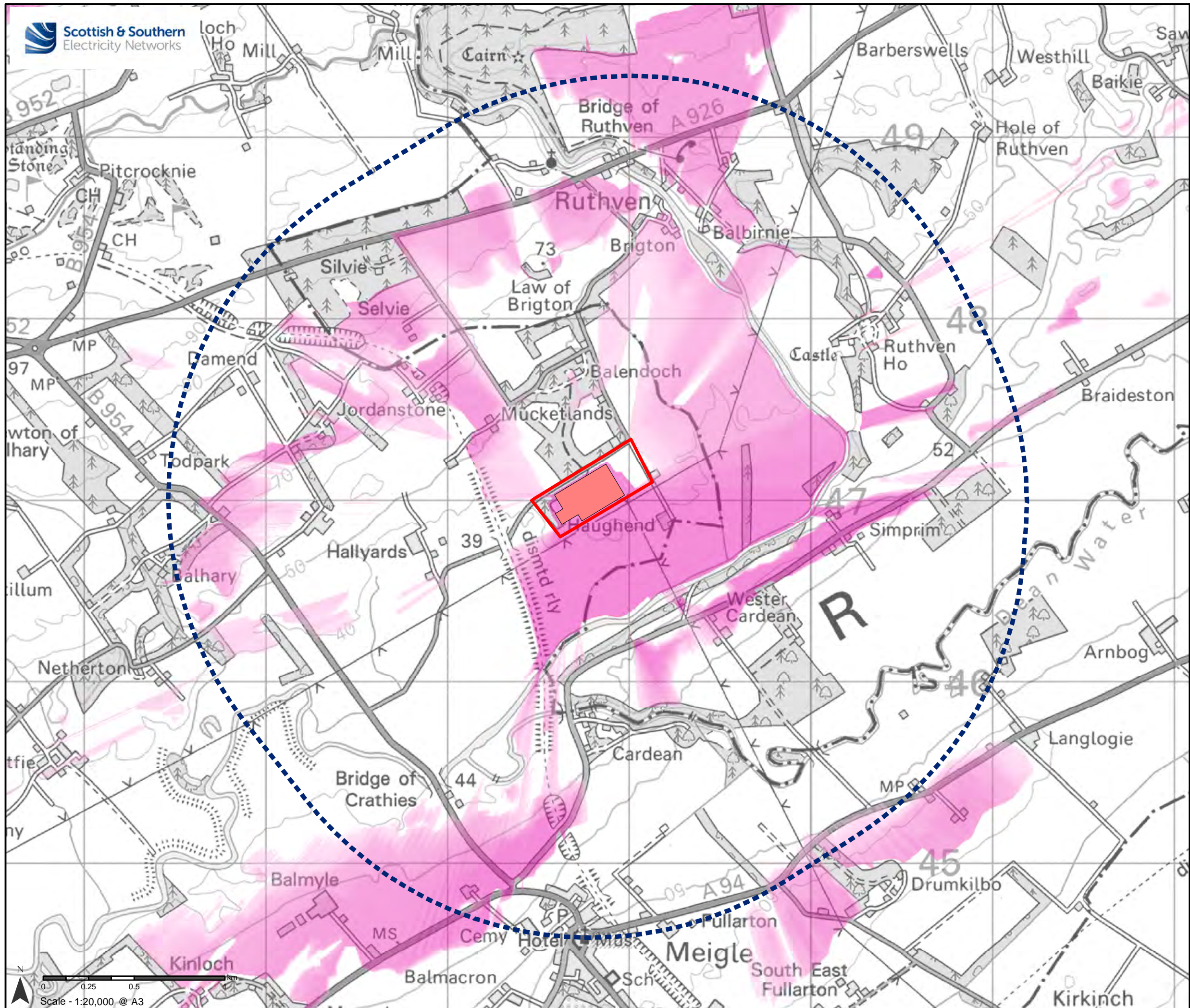
- Planning Boundary
- Proposed Substation
- Landscape and Visual Study Area

Number of Substation Elements Theoretically Visible

- Greater
- Fewer

Note: The ZTV has been produced in accordance with the parameters outlined in Section 4.2 of Chapter 4 of the Environmental Appraisal.

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Project No:	LT139
Project:	Alyth 275 / 400 kV Substation and Associated Infrastructure
Title:	Figure 4.1 ZTV of Proposed Substation - Pre-Mitigation
Drawn by:	EM
Date:	02/10/2019
Drawing:	119011-EA-4.1-1.0.0



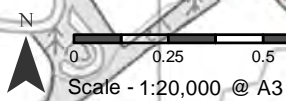
Legend

- Planning Boundary
- Proposed Substation
- Landscape and Visual Study Area

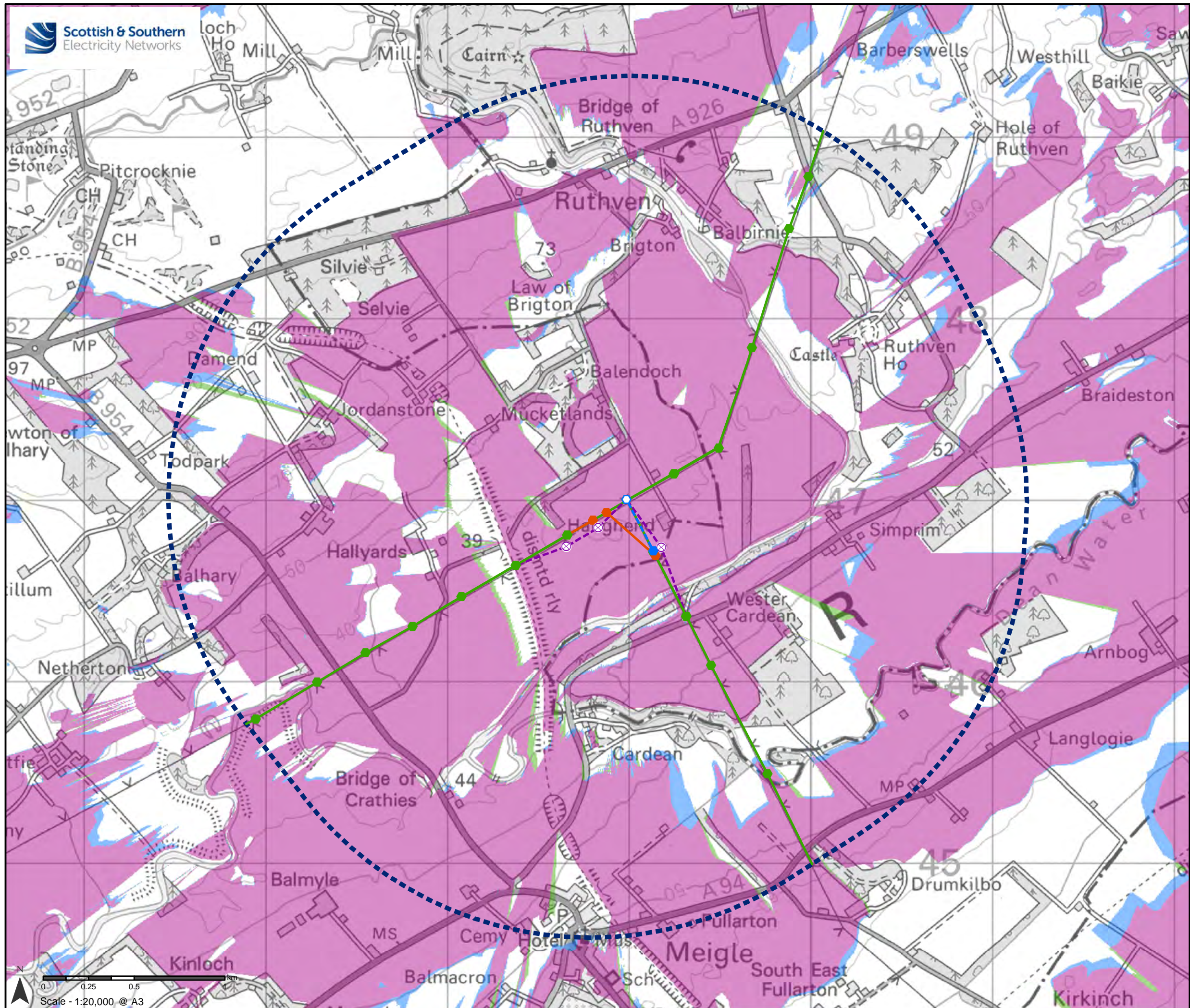
Number of Substation Elements Theoretically Visible

- Greater
- Fewer

Note: The ZTV has been produced in accordance with the parameters outlined in Section 4.2 of Chapter 4 of the Environmental Appraisal.



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Project No:	LT139
Project:	Alyth 275 / 400 kV Substation and Associated Infrastructure
Title:	Figure 4.2 ZTV of Proposed Substation - Post-Mitigation
Drawn by:	EM
Date:	02/10/2019
Drawing:	119011-EA-4.2-1.0.0



Legend

- - - Existing Overhead Line to be Removed
- Existing Overhead Line to be Retained
- Proposed New Overhead Line
- - - Proposed Temporary Overhead Line
- Existing Tower to be Retained
- Existing Tower to be Modified
- Existing Tower to be Removed
- Proposed New Tower
- ⊗ Proposed New Temporary Mast
- Landscape and Visual Study Area

Zone of Theoretical Visibility

- Existing Towers Theoretically Visible
- Proposed Towers Theoretically Visible
- Existing and Proposed Towers Theoretically Visible

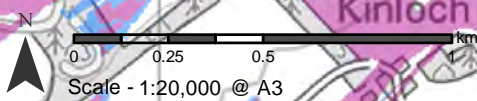
Note: The ZTV has been produced in accordance with the parameters outlined in Section 4.2 of Chapter 4 of the Environmental Appraisal. The ZTV of existing towers includes three towers in closest proximity to the proposed works.

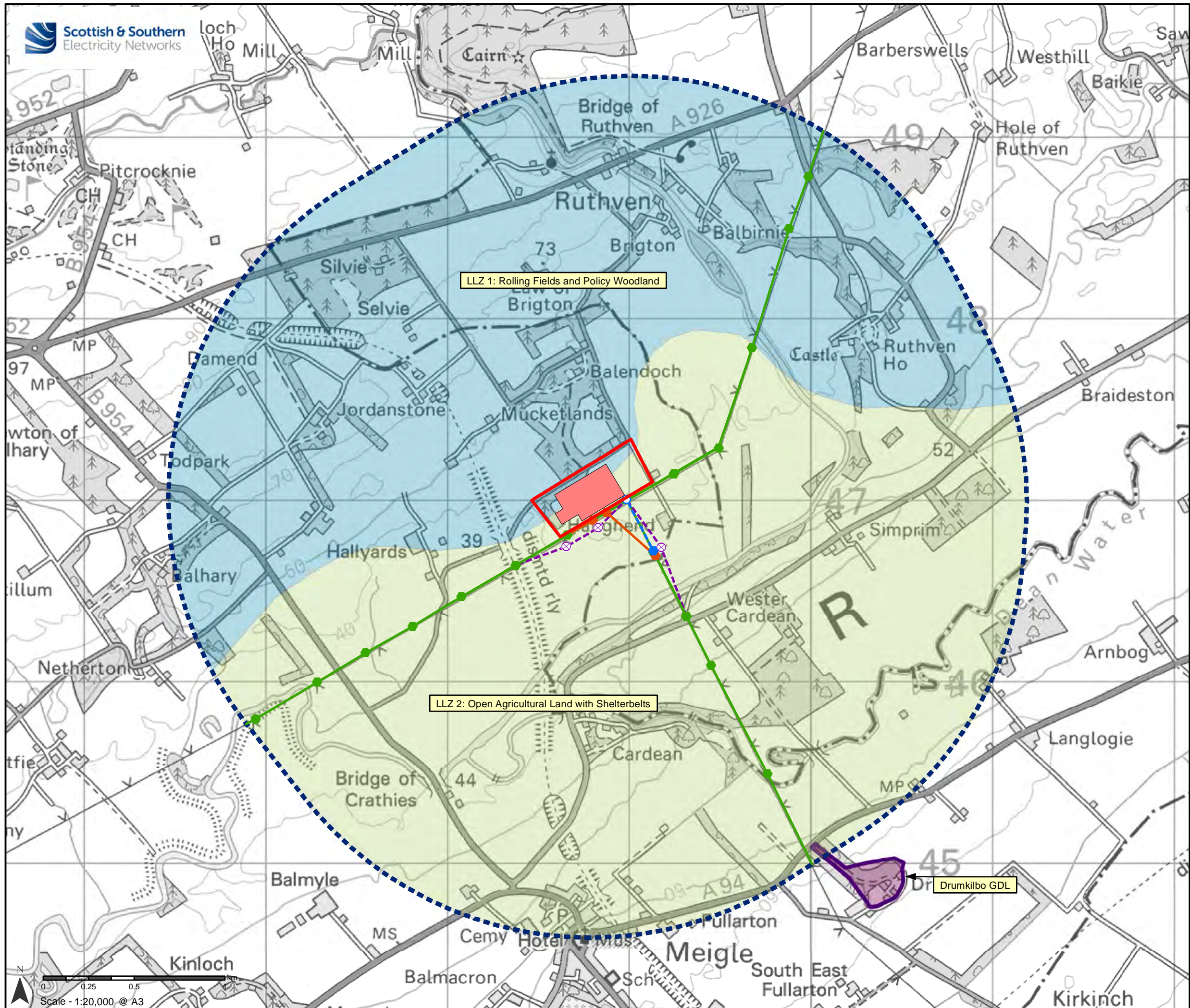
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Project No: LT139
Project: Alyth 275 / 400 kV Substation and Associated Infrastructure

Title: Figure 4.3
ZTV of Existing and Proposed Towers

Drawn by: EM Date: 02/10/2019
Drawing: 119011-EA-4.3-1.0.0





Legend

- Planning Boundary
- Proposed Substation
- Existing Overhead Line to be Removed
- Existing Overhead Line to be Retained
- Proposed New Overhead Line
- Proposed Temporary Overhead Line
- Existing Tower to be Retained
- Existing Tower to be Modified
- Existing Tower to be Removed
- Proposed New Tower
- Proposed New Temporary Mast
- Landscape and Visual Study Area
- Gardens and Designed Landscapes (GDL)

Local Landscape Zones (LLZs)

- LLZ1: Rolling Fields and Policy Woodland
- LLZ2: Open Agricultural Land with Shelterbelts

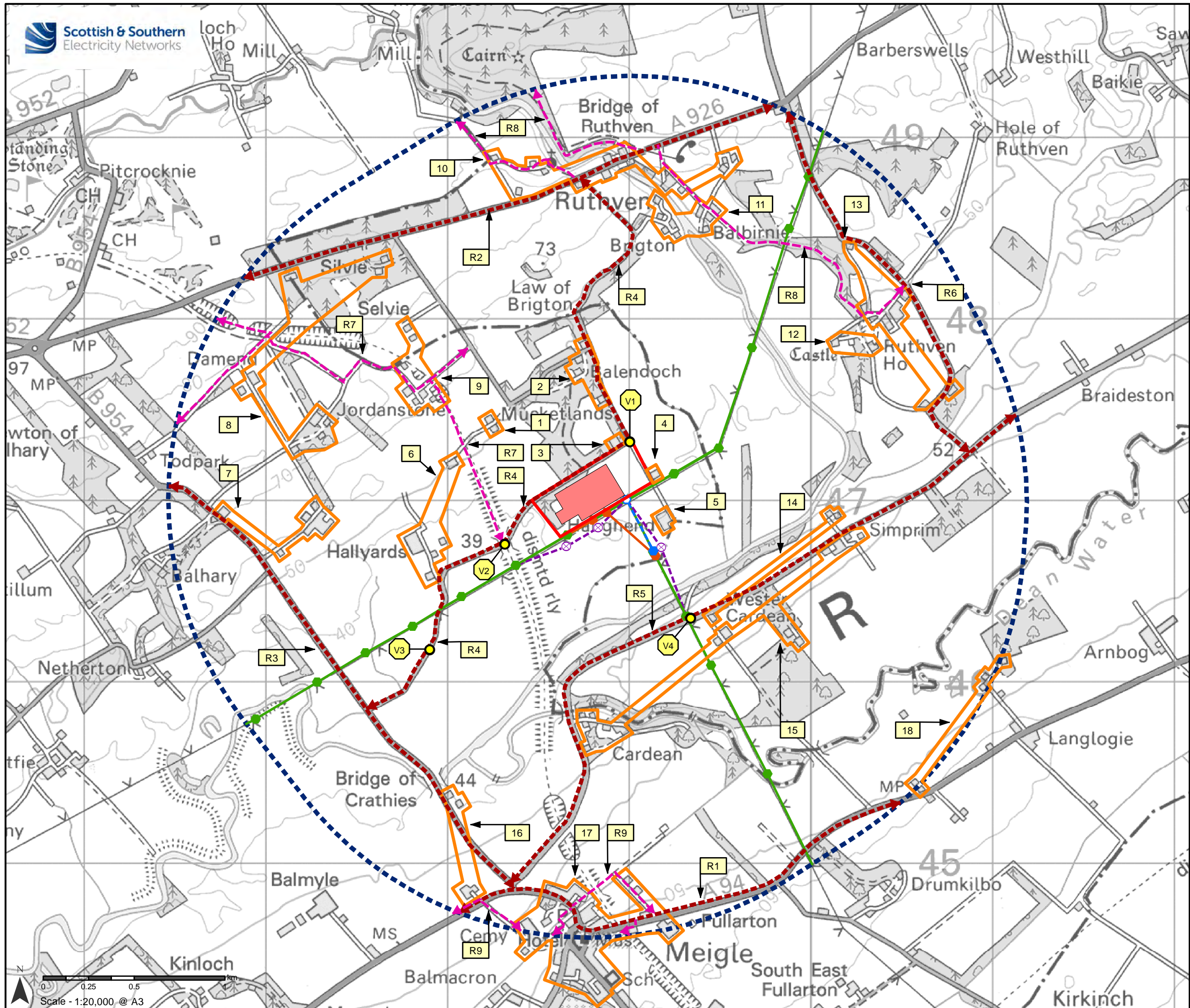
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Project No: LT139
Project: Alyth 275 / 400 kV Substation and Associated Infrastructure

Title: Figure 4.4
Landscape Character and Protected Areas

Drawn by: TD Date: 02/10/2019

Drawing: 119011-EA-4.4-1.0.0



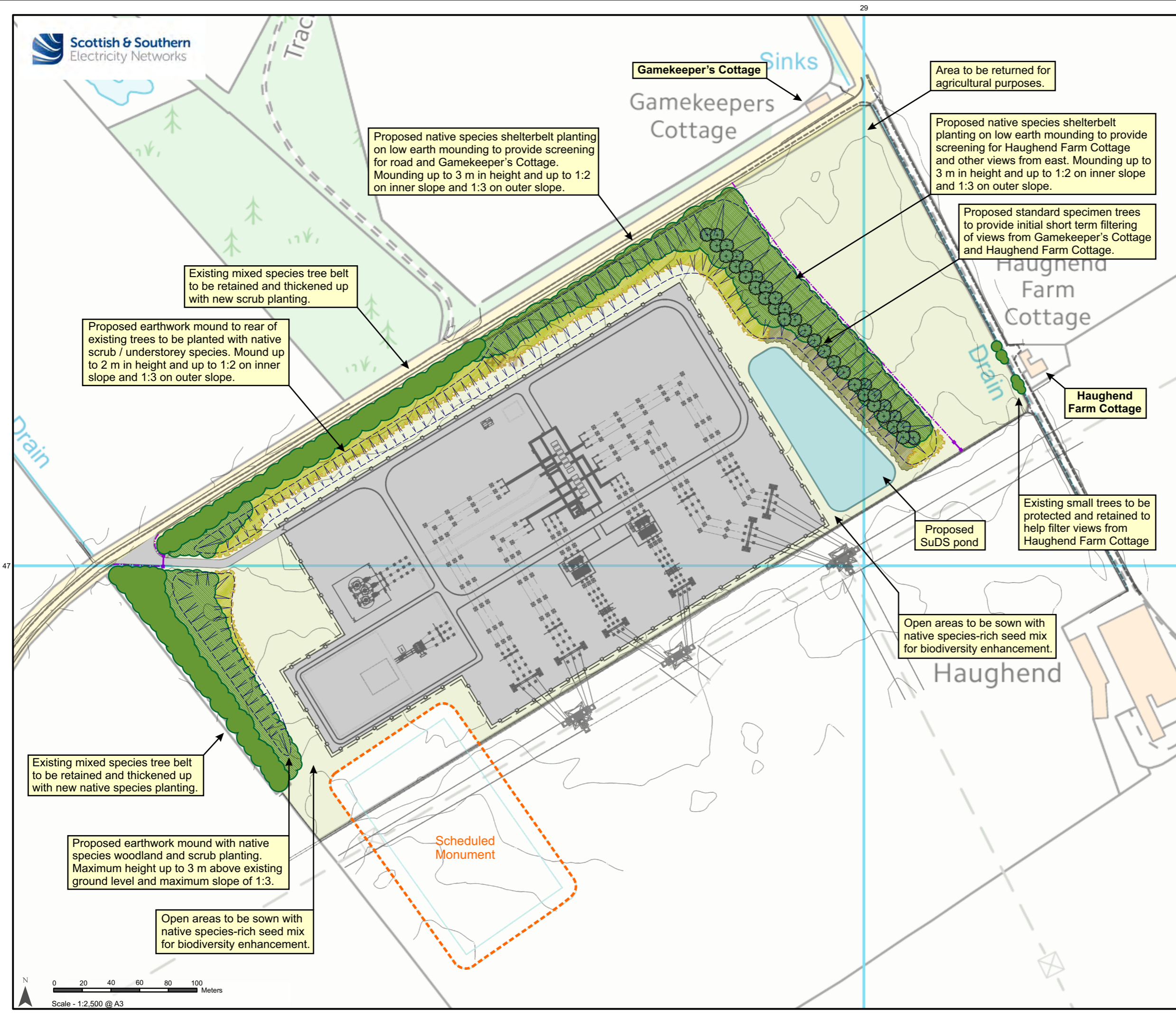
- Legend**
- Planning Boundary
 - Proposed Substation
 - Existing Overhead Line to be Removed
 - Existing Overhead Line to be Retained
 - Proposed New Overhead Line
 - Proposed Temporary Overhead Line
 - Existing Tower to be Retained
 - Existing Tower to be Modified
 - Existing Tower to be Removed
 - Proposed New Tower
 - ⊗ Proposed New Temporary Mast
 - Landscape and Visual Study Area
 - Building Receptor Locations
 - Route Receptor Locations - Roads
 - Route Receptor Locations - Core Paths
 - Visualisation Location

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Project No: LT139
Project: Alyth 275 / 400 kV Substation and Associated Infrastructure

Title: Figure 4.5
Visual Receptors

Drawn by: TD Date: 02/10/2019
Drawing: 119011-EA-4.5-1.0.0



- Legend**
- Existing Mixed Woodland Tree Belt
 - Proposed Native Woodland Planting
 - Proposed Specimen Tree
 - Proposed Native Scrub Planting
 - Proposed Native Wetland Scrub Planting
 - Proposed Native Species-Rich Grass Seeding
 - Proposed SuDS Pond
 - Indicative Footprint of Proposed Mounding
 - Indication of Proposed Slope
 - Proposed Stock-proof Fence and Gate to Tie into Existing
 - Scheduled Monument Buffer

Proposed native species shelterbelt planting on low earth mounding to provide screening for road and Gamekeeper's Cottage. Mounding up to 3 m in height and up to 1:2 on inner slope and 1:3 on outer slope.

Existing mixed species tree belt to be retained and thickened up with new scrub planting.

Proposed earthwork mound to rear of existing trees to be planted with native scrub / understorey species. Mound up to 2 m in height and up to 1:2 on inner slope and 1:3 on outer slope.

Gamekeeper's Cottage

Area to be returned for agricultural purposes.

Proposed native species shelterbelt planting on low earth mounding to provide screening for Haughend Farm Cottage and other views from east. Mounding up to 3 m in height and up to 1:2 on inner slope and 1:3 on outer slope.

Proposed standard specimen trees to provide initial short term filtering of views from Gamekeeper's Cottage and Haughend Farm Cottage.

Haughend Farm Cottage

Haughend Farm Cottage

Proposed SuDS pond

Existing small trees to be protected and retained to help filter views from Haughend Farm Cottage

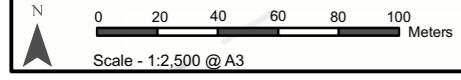
Open areas to be sown with native species-rich seed mix for biodiversity enhancement.

Existing mixed species tree belt to be retained and thickened up with new native species planting.

Proposed earthwork mound with native species woodland and scrub planting. Maximum height up to 3 m above existing ground level and maximum slope of 1:3.

Open areas to be sown with native species-rich seed mix for biodiversity enhancement.

Scheduled Monument



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Project No: LT139
Project: Alyth 275 / 400 kV Substation and Associated Infrastructure

Title: Figure 4.6 Landscape and Visual Mitigation Proposals

Drawn by: EM Date: 02/10/2019

Drawing: 119011-D-EA4.6-1.0.0



Existing View

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure

Figure 4.7a - Visualisation from Haughend Farm road-end: Existing View

Drawing No. - 119011-D-4.7a
Revision - 1.0.0
Date - 02.10.2019

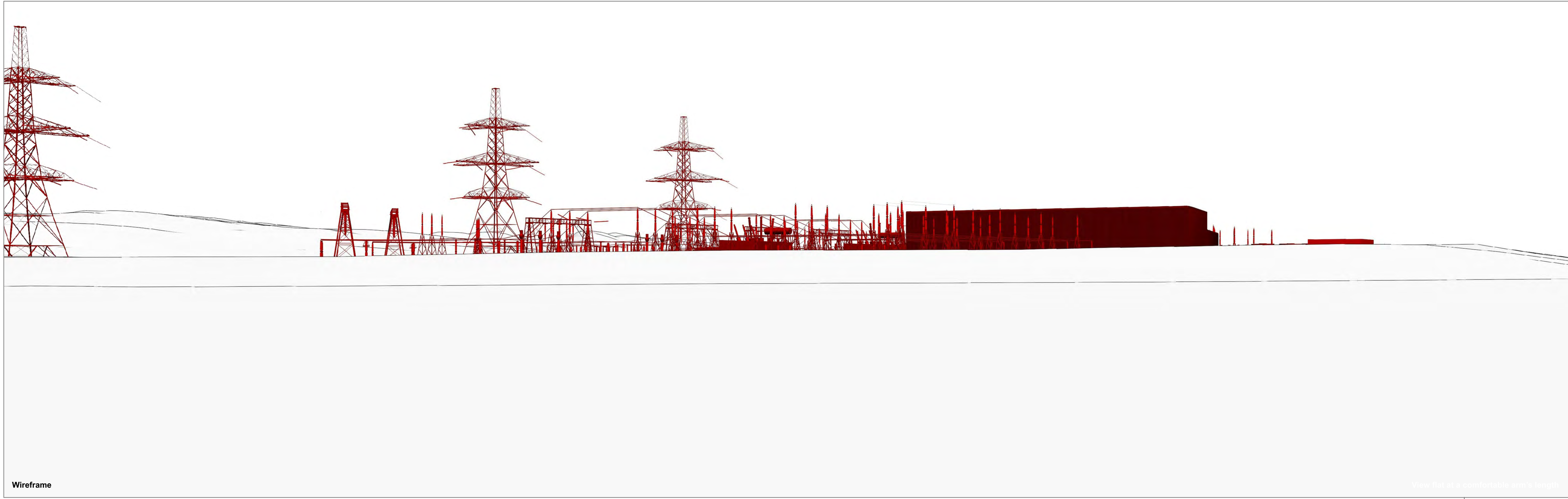
OS reference: 329005 E 747322 N
Ground level: 43.48 m AOD
Distance to development: 176.77 m

Camera:
Lens:
Camera height:
Date and time:

Canon EOS 6D
50mm (Canon EF 50mm f/5.6)
1.5m AGL
04/06/2019 14:19

Horizontal field of view:
Viewing distance:

53.5° (planar projection)
522 mm



Wireframe

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure
Figure 4.7b - Visualisation from Haughend Farm road-end: Wireline View

Drawing No. - 119011-D-4.7b
Revision - 1.0.0
Date - 02.10.2019

OS reference: 329005 E 747322 N
Ground level: 43.48 m AOD
Distance to development: 176.77 m

Horizontal field of view: 53.5° (planar projection)
Viewing distance: 522 mm



Photomontage

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure

Figure 4.7c - Visualisation from Haughend Farm road-end: Photomontage as built without mitigation planting

Drawing No. - 119011-D-4.7c
Revision - 1.0.0
Date - 02.10.2019

OS reference: 329005 E 747322 N
Ground level: 43.48 m AOD
Distance to development: 176.77 m

Camera: Canon EOS 6D
Lens: 50mm (Canon EF 50mm f/5.6)
Camera height: 1.5m AGL
Date and time: 04/06/2019 14:19

Horizontal field of view: 53.5° (planar projection)
Viewing distance: 522 mm



Photomontage

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure

Figure 4.7d - Visualisation from Haughend Farm road-end: Photomontage as built with planting after approximately 10 years

Drawing No. - 119011-D-4.7d
 Revision - 1.0.0
 Date - 02.10.2019

OS reference: 329005 E 747322 N
 Ground level: 43.48 m AOD
 Distance to development: 176.77 m

Camera:
 Lens:
 Camera height:
 Date and time:

Canon EOS 6D
 50mm (Canon EF 50mm f/5.6)
 1.5m AGL
 04/06/2019 14:19

Horizontal field of view:
 Viewing distance:

53.5° (planar projection)
 522 mm



Existing View

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure

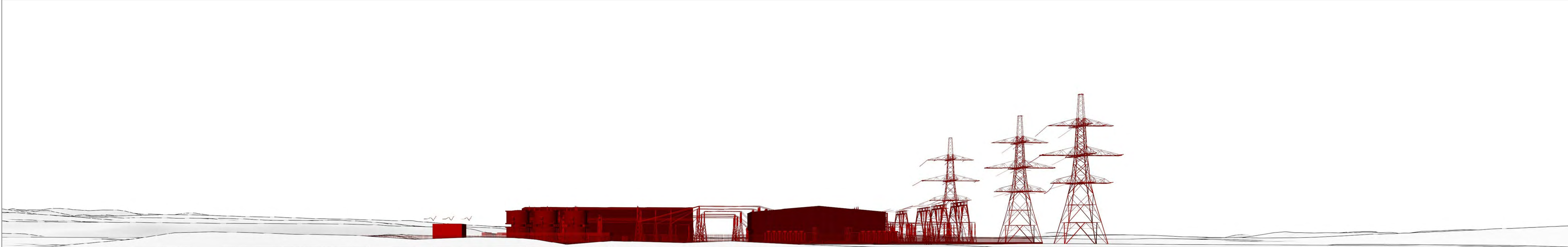
Figure 4.8a - Visualisation from Near Railway Bridge on Balendoch Road: Existing View

Drawing No. - 119011-D-4.8a
Revision - 1.0.0
Date - 02.10.2019

OS reference: 328316 E 746759 N
Ground level: 41.55 m AOD
Distance to development: 328.82 m

Camera: Canon EOS 6D
Lens: 50mm (Canon EF 50mm f/5.6)
Camera height: 1.5m AGL
Date and time: 04/06/2019 11:13

Horizontal field of view: 53.5° (planar projection)
Viewing distance: 522 mm



Wireframe

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure
Figure 4.8b - Visualisation from Near Railway Bridge on Balendoch Road: Wireline View

Drawing No. - 119011-D-4.8b
Revision - 1.0.0
Date - 02.10.2019

OS reference: 328316 E 746759 N
Ground level: 41.55 m AOD
Distance to development: 328.82 m

Horizontal field of view: 53.5° (planar projection)
Viewing distance: 522 mm





Photomontage

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure

Figure 4.8c - Visualisation from Near Railway Bridge on Balendoch Road: Photomontage as built without mitigation planting

Drawing No. - 119011-D-4.8c
Revision - 1.0.0
Date - 02.10.2019

OS reference: 328316 E 746759 N
Ground level: 41.55 m AOD
Distance to development: 328.82 m

Camera: Canon EOS 6D
Lens: 50mm (Canon EF 50mm f/5.6)
Camera height: 1.5m AGL
Date and time: 04/06/2019 11:13

Horizontal field of view: 53.5° (planar projection)
Viewing distance: 522 mm



Photomontage

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure

Figure 4.8d - Visualisation from Near Railway Bridge on Balendoch Road:
Photomontage as built with planting after approximately 10 years

Drawing No. - 119011-D-4.8d
Revision - 1.0.0
Date - 02.10.2019

OS reference: 328316 E 746759 N
Ground level: 41.55 m AOD
Distance to development: 328.82 m

Camera: Canon EOS 6D
Lens: 50mm (Canon EF 50mm f/5.6)
Camera height: 1.5m AGL
Date and time: 04/06/2019 11:13

Horizontal field of view: 53.5° (planar projection)
Viewing distance: 522 mm



Existing View

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure
Figure 4.9a - Visualisation from Gate entrance on the Balendoch road: Existing View

Drawing No. - 119011-D-4.9a
Revision - 1.0.0
Date - 02.10.2019

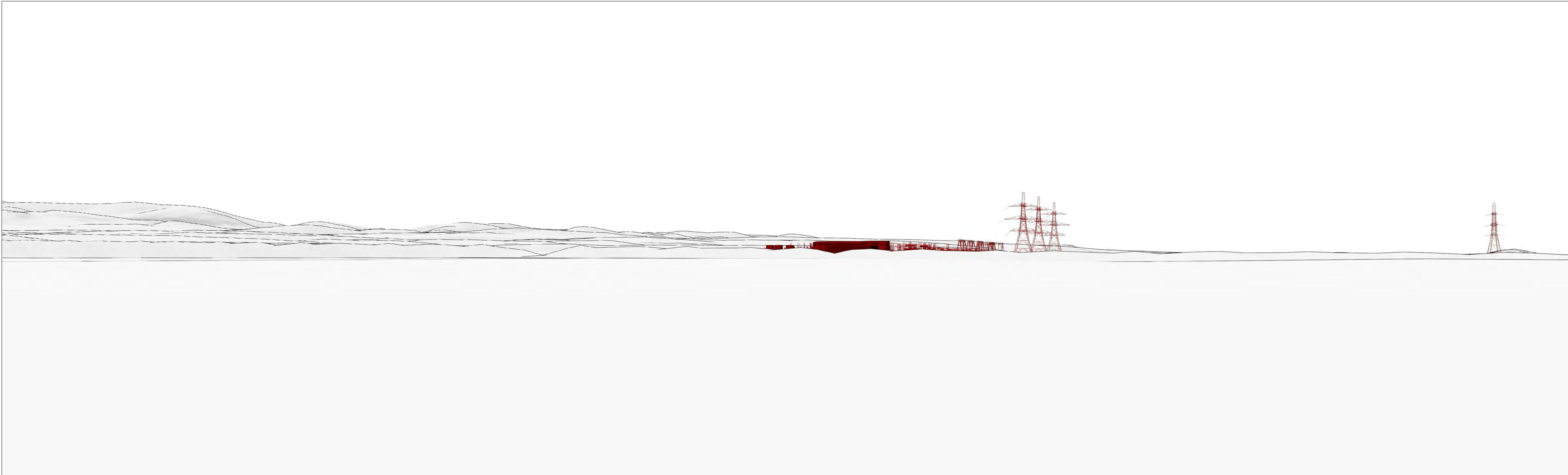
OS reference: 327902 E 746178 N
Ground level: 38.09 m AOD
Distance to development: 1000.88 m

Camera:
Lens:
Camera height:
Date and time:

Canon EOS 6D
50mm (Canon EF 50mm f/5.6)
1.5m AGL
04/06/2019 14:06

Horizontal field of view:
Viewing distance:

53.5° (planar projection)
522 mm



Wireframe

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure
Figure 4.9b - Visualisation from Gate entrance on the Balendoch road: Wireline View

Drawing No. - 119011-D-4.9b
Revision - 1.0.0
Date - 02.10.2019

OS reference: 327902 E 746178 N
Ground level: 38.09 m AOD
Distance to development: 1000.88 m

Horizontal field of view: 53.5° (planar projection)
Viewing distance: 522 mm





Photomontage

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure

Figure 4.9c - Visualisation from Gate entrance on the Balendoch road: Photomontage as built without mitigation planting

Drawing No. - 119011-D-4.9c
Revision - 1.0.0
Date - 02.10.2019

OS reference: 327902 E 746178 N
Ground level: 38.09 m AOD
Distance to development: 1000.88 m

Camera:
Lens:
Camera height:
Date and time:

Canon EOS 6D
50mm (Canon EF 50mm f/5.6)
1.5m AGL
04/06/2019 14:06

Horizontal field of view:
Viewing distance:

53.5° (planar projection)
522 mm



Photomontage

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure

Figure 4.9d - Visualisation from Gate entrance on the Balendoch road: Photomontage as built with planting after approximately 10 years

Drawing No. - 119011-D-4.9d
Revision - 1.0.0
Date - 02.10.2019

OS reference: 327902 E 746178 N
Ground level: 38.09 m AOD
Distance to development: 1000.88 m

Camera:
Lens:
Camera height:
Date and time:

Canon EOS 6D
50mm (Canon EF 50mm f/5.6)
1.5m AGL
04/06/2019 14:06

Horizontal field of view:
Viewing distance:

53.5° (planar projection)
522 mm



Existing View

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure

Figure 4.10a - Visualisation from Public Road near Wester Cardean: Existing View

Drawing No. - 119011-D-4.10a
 Revision - 1.0.0
 Date - 02.10.2019

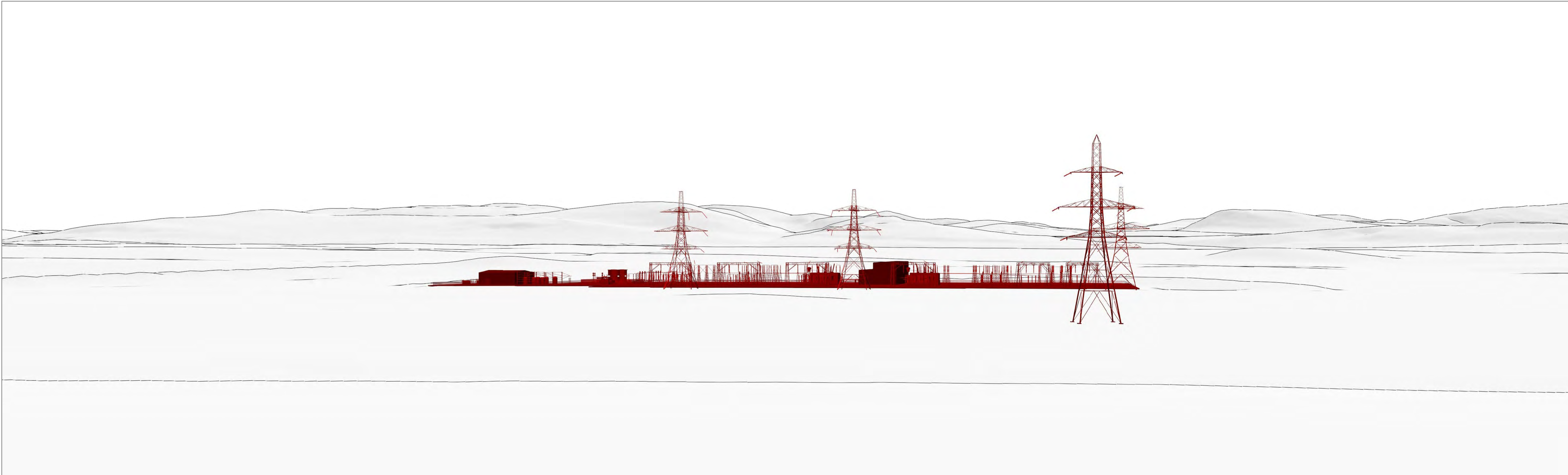
OS reference: 329340 E 746351 N
 Ground level: 54.18 m AOD
 Distance to substation: 882.50 m
 Distance to proposed tower: 395.80 m

Camera:
 Lens:
 Camera height:
 Date and time:

Canon EOS 6D
 50mm (Canon EF 50mm f/5.6)
 1.5m AGL
 04/06/2019 15:30

Horizontal field of view:
 Viewing distance:

53.5° (planar projection)
 522 mm



Wireframe

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure
Figure 4.10b - Visualisation from Public Road near Wester Cardean: Wireline View

Drawing No. - 119011-D-4.10b
Revision - 1.0.0
Date - 02.10.2019

OS reference: 329340 E 746351 N
Ground level: 54.18 m AOD
Distance to substation: 882.50 m
Distance to proposed tower: 395.80 m

Horizontal field of view:
Viewing distance:

53.5° (planar projection)
522 mm





Photomontage

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure

Figure 4.10c - Visualisation from Public Road near Wester Cardean: Photomontage as built without mitigation planting

Drawing No. - 119011-D-4.10c
 Revision - 1.0.0
 Date - 02.10.2019

OS reference: 329340 E 746351 N
 Ground level: 54.18 m AOD
 Distance to substation: 882.50 m
 Distance to proposed tower: 395.80 m

Camera:
 Lens:
 Camera height:
 Date and time:

Canon EOS 6D
 50mm (Canon EF 50mm f/5.6)
 1.5m AGL
 04/06/2019 15:30

Horizontal field of view:
 Viewing distance:

53.5° (planar projection)
 522 mm



Photomontage

View flat at a comfortable arm's length

Alyth 275/400kV Substation and Associated Infrastructure

Figure 4.10d - Visualisation from Public Road near Wester Cardean:
Photomontage as built with planting after approximately 10 years

Drawing No. - 119011-D-4.10d
Revision - 1.0.0
Date - 02.10.2019

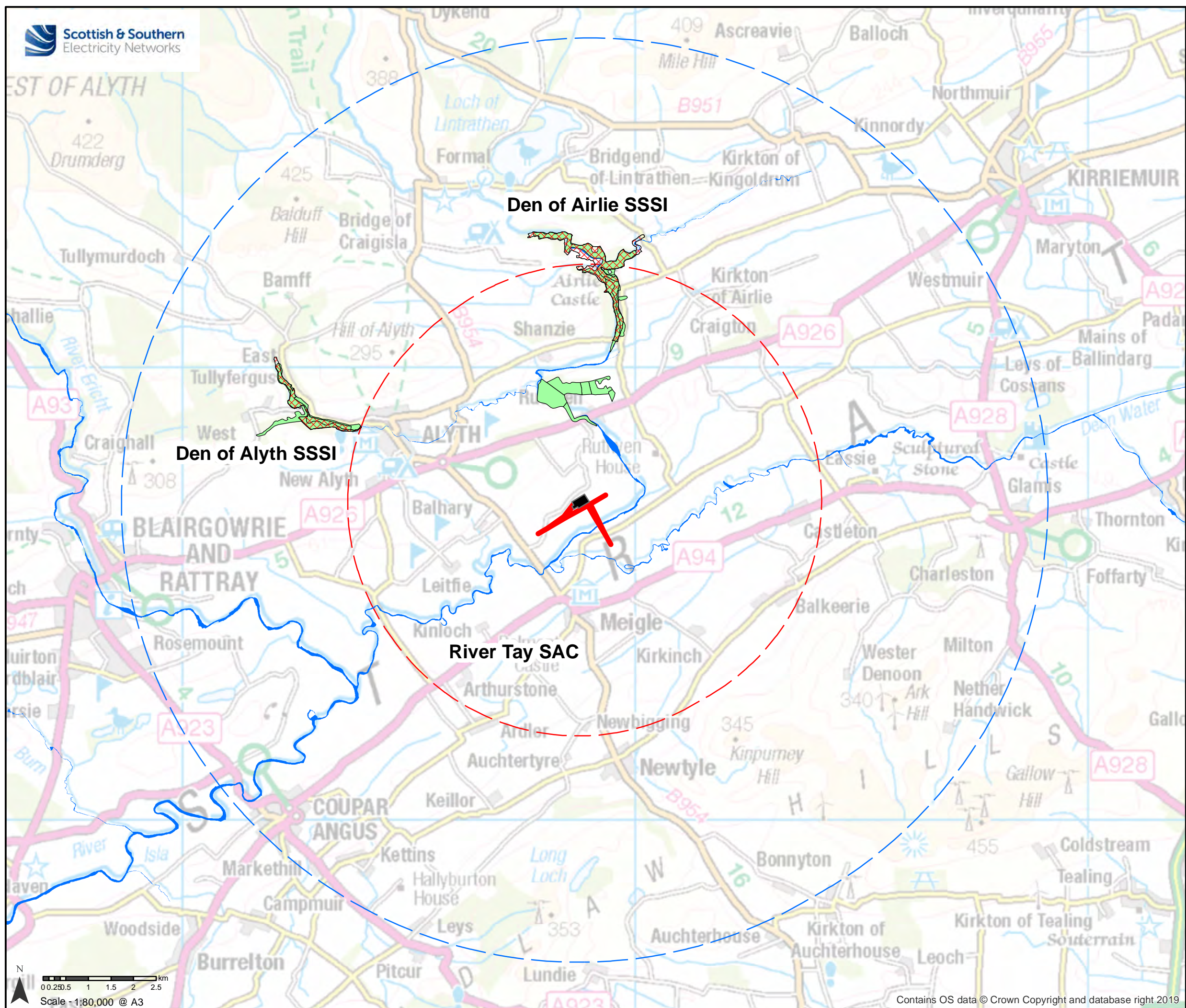
OS reference: 329340 E 746351 N
Ground level: 54.18 m AOD
Distance to substation: 882.50 m
Distance to proposed tower: 395.80 m

Camera:
Lens:
Camera height:
Date and time:

Canon EOS 6D
50mm (Canon EF 50mm f/5.6)
1.5m AGL
04/06/2019 15:30

Horizontal field of view:
Viewing distance:

53.5° (planar projection)
522 mm



Key:

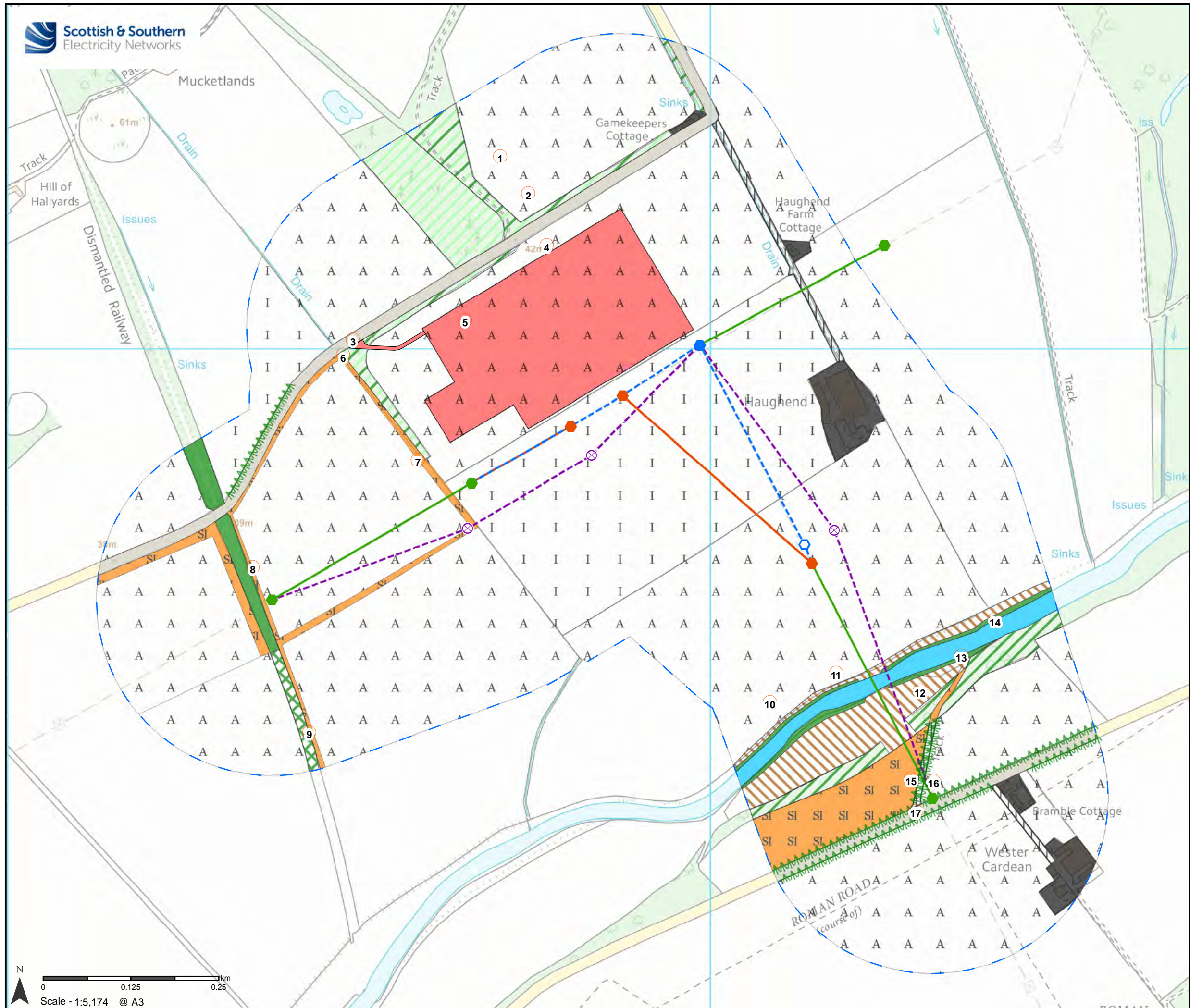
- Proposed Substation Location
- Area of Proposed Overhead Line Modifications
- 5 km Study Area (Nationally Designated Sites and AWI)
- 10 km Study Area (Internationally Designated Sites)
- Sites of Special Scientific Interest (SSSI)
- Areas of woodland included in the Ancient Woodland Inventory (AWI)
- Special Area of Conservation (SAC)

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Project No: LT139
Project: Alyth 275 / 400 kV Substation and Associated Infrastructure

Title: Figure 5.1
Sites Designated for Nature Conservation

Drawn by: HC
18/08/2019
Drawing: 5.1



Key:

- Proposed Substation
- Proposed Access Road

Tower Locations

- Existing
- Existing to be Modified
- Existing to be Removed
- New
- Temporary

OHL Line Modifications

- Existing to be Removed
- Existing to be Retained
- Proposed
- Temporary

Phase 1 Habitats

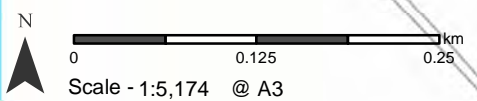
- Broadleaved woodland - plantation
- Broadleaved woodland - semi-natural
- Buildings and gardens
- Coniferous woodland - plantation
- Cultivated/disturbed land - arable
- Improved grassland
- Mixed woodland - plantation
- Neutral grassland - semi-improved
- Other tall herb and fern - tall ruderal
- Public road
- Running water
- Scrub - continuous
- Track
- Hedges with trees
- Target Notes

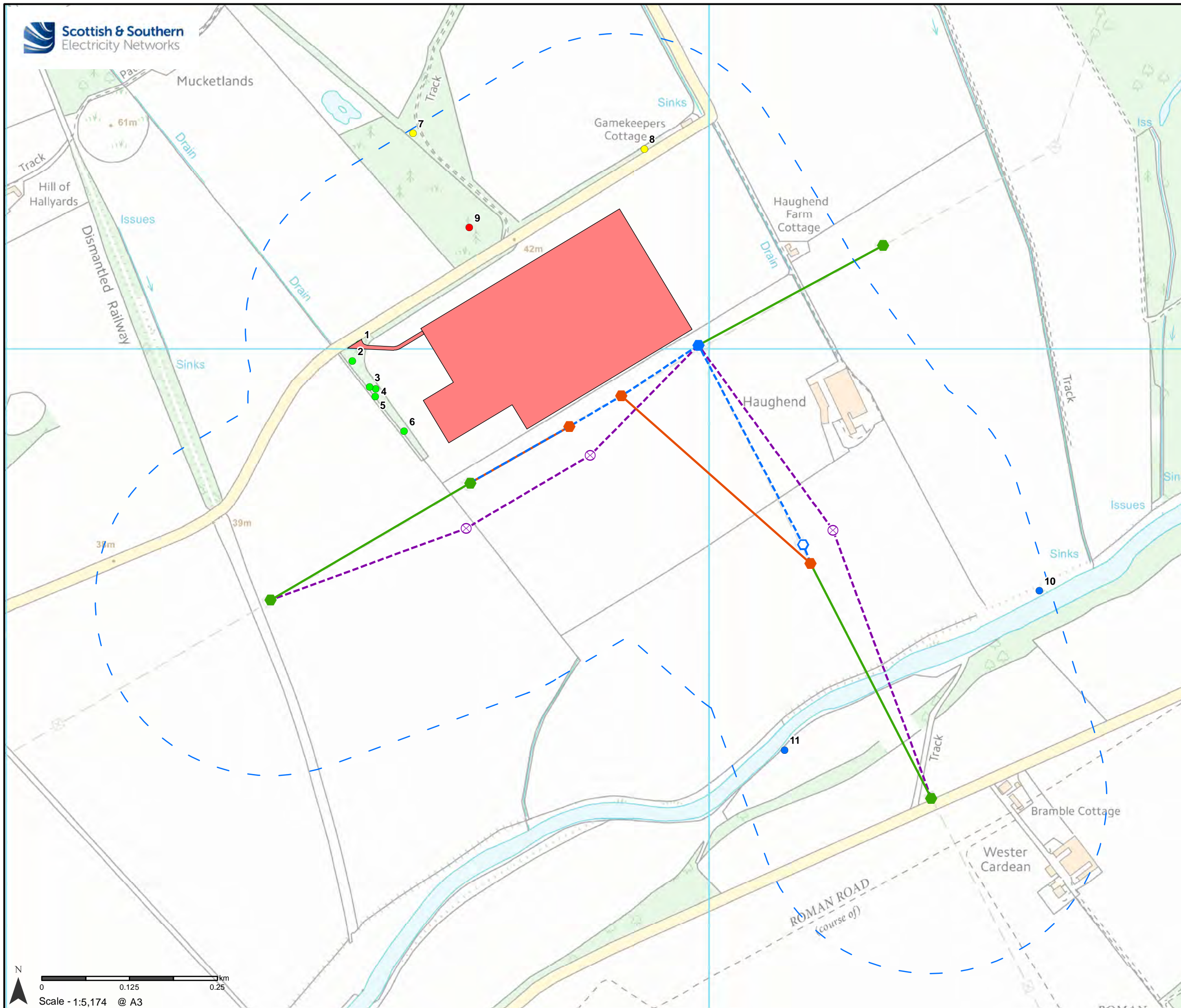
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Project No: LT139
Project: Alyth 275 / 400 kV Substation and Associated Infrastructure

Title: Figure 5.2 - Phase 1 Habitats

Drawn by: HC 06/09/2019
Drawing: 5.2.





Key:

- Proposed Substation
- Proposed Access Road

Tower Locations

- Existing
- Existing to be Modified
- Existing to be Removed
- New
- Temporary

OHL Line Modifications

- Existing to be Removed
- Existing to be Retained
- Proposed
- Temporary

Protected Species

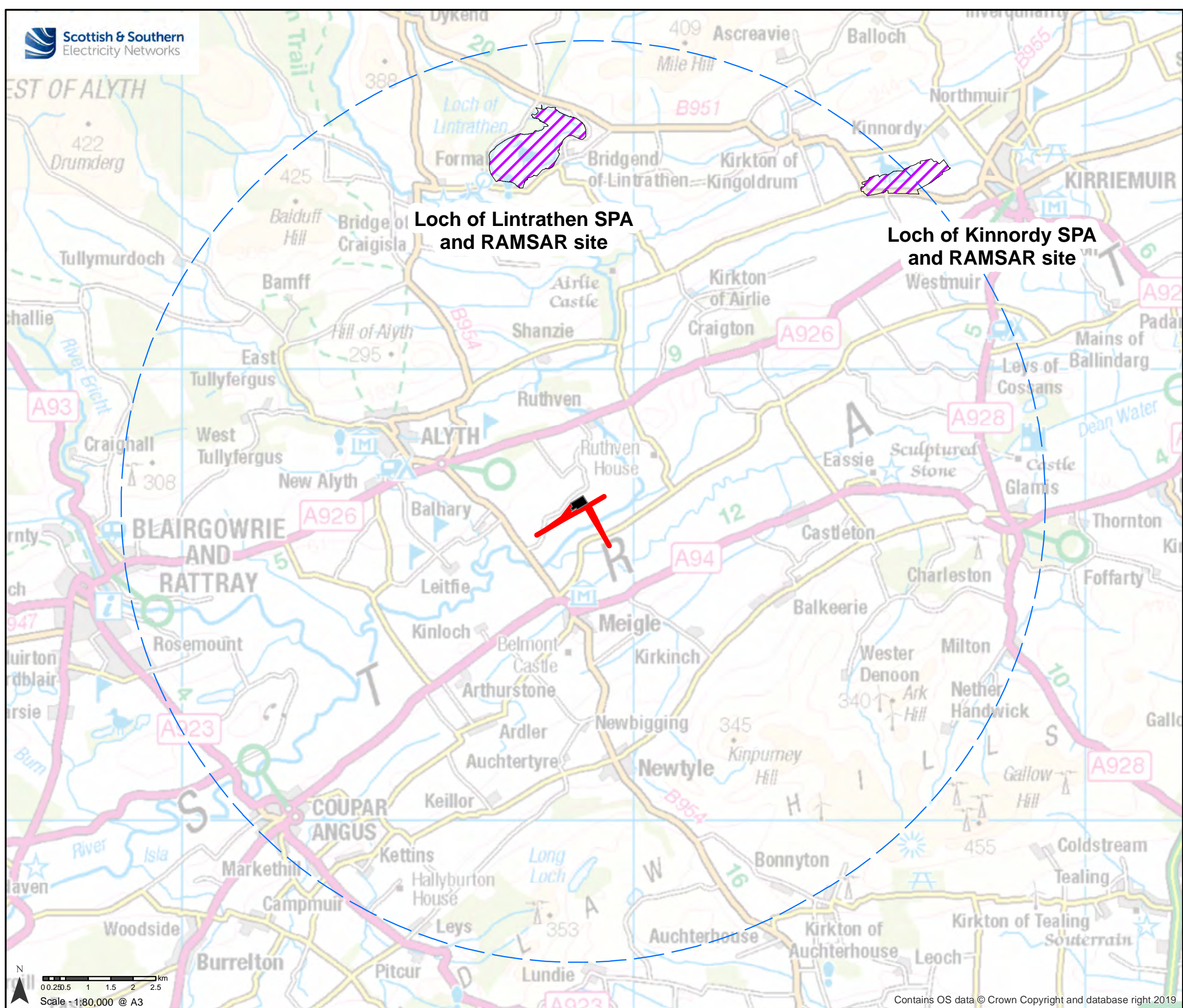
- Bat, Tree with bat roost potential
- Otter, Spraint
- Red Squirrel, Drey
- Red Squirrel, Foraging signs

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Project No: LT139
Project: Alyth 275 / 400 kV Substation and Associated Infrastructure

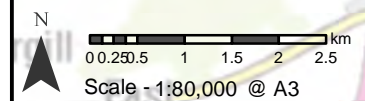
Title: Figure 5.3 - Protected Species Survey

Drawn by: HC 06/09/2019
Drawing: 5.3.

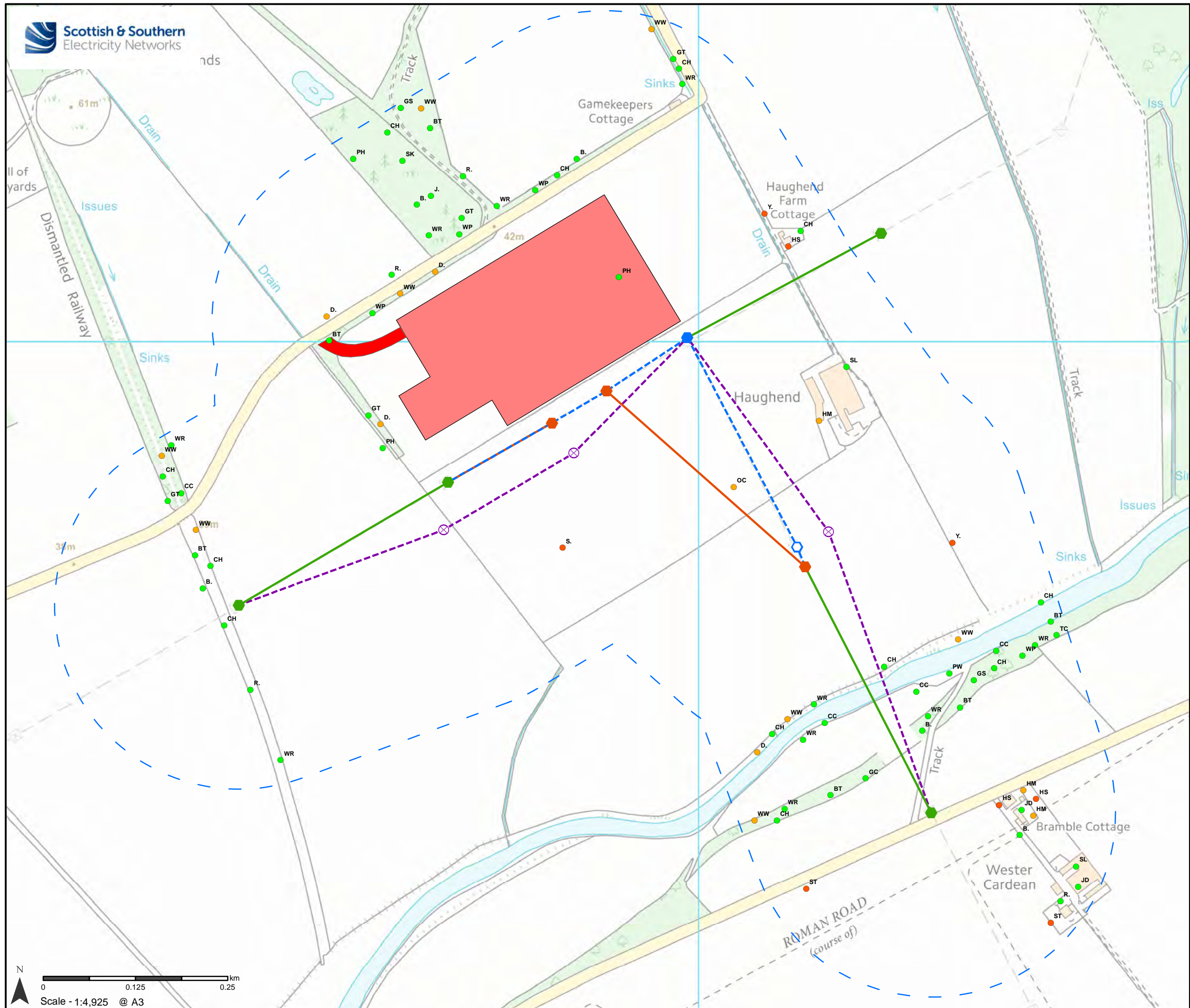


Key:

- Proposed Substation Location
- Area of Proposed Overhead Line Modifications
- 10 km Study Area (Internationally Designated Sites)
- Special Protection Area and RAMSAR site



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Project No:	LT139
Project:	Altyth 275 / 400 kV Substation and Associated Infrastructure
Title:	Figure 6.1 Sites Designated for Nature Conservation
Drawn by:	HC
	18/08/2019
Drawing:	6.1



- Key:**
- Proposed Substation
 - Proposed Substation Access
 - Survey Area
- Tower Locations**
- Existing
 - Existing to be Modified
 - Existing to be Removed
 - New
 - Temporary
- OHL Line Modifications**
- Existing to be Removed
 - Existing to be Retained
 - Proposed
 - Temporary
- Breeding Bird Territories**
- Red
 - Amber
 - Green

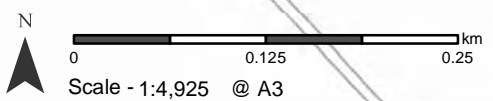
BTO Code	Species
B	Blackbird
BT	Blue tit
CC	Chiffchaff
CH	Chaffinch
D	Dunnock
GC	Goldcrest
GS	Great spotted woodpecker
GT	Great tit
HM	House martin
HS	House sparrow
J	Jay
JD	Jackdaw
OC	Oystercatcher
PH	Pheasant
PW	Pied wagtail
R	Robin
S	Skylark
SK	Siskin
SL	Swallow
ST	Song thrush
TC	Treecreeper
WP	Wood pigeon
WR	Wren
WW	Willow warbler
Y	Yellowhammer

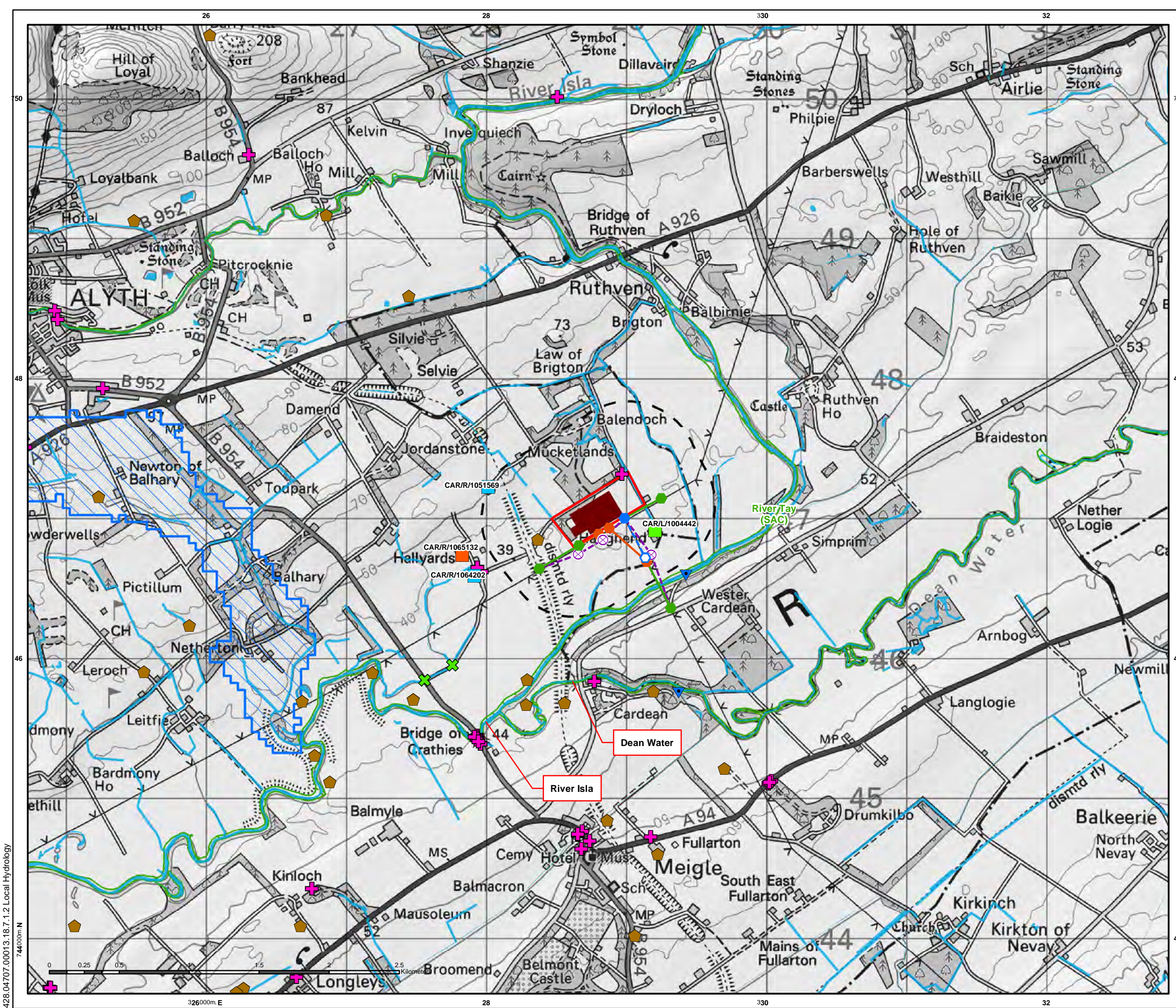
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Project No: LT139
Project: Alyth 275 / 400 kV Substation and Associated Infrastructure

Title: Figure 6.2 - Breeding Bird Survey

Drawn by: HC 18/08/2019
Drawing: 6.2





Legend

- Planning Boundary
- 500m Buffer from Planning Boundary
- Substation Platform

Tower Locations

- Existing
- Existing to be Modified
- Existing to be Removed
- New
- ⊗ Temporary

Line Modifications

- Existing to be Removed
- Existing to be Retained
- Proposed
- Temporary

- Landfills Recorded by Perth and Kinross Council
- ✕ Watercourse Crossings
- + Historical Flooding Records by Perth and Kinross Council and SEPA
- ▼ SEPA Water Quality Monitoring Locations
- Watercourse - OS VectorMap District
- Drinking Water Protection Area
- Special Area of Conservation

Controlled Activity Regulation Licensed Sites

- Agriculture (Irrigation - Mobile Plant)
- Sewage (Private) Primary
- Sewage (Private) Untreated

Scottish & Southern Electricity Networks

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Project No: LT139 Scale @ A3: 1:25,000

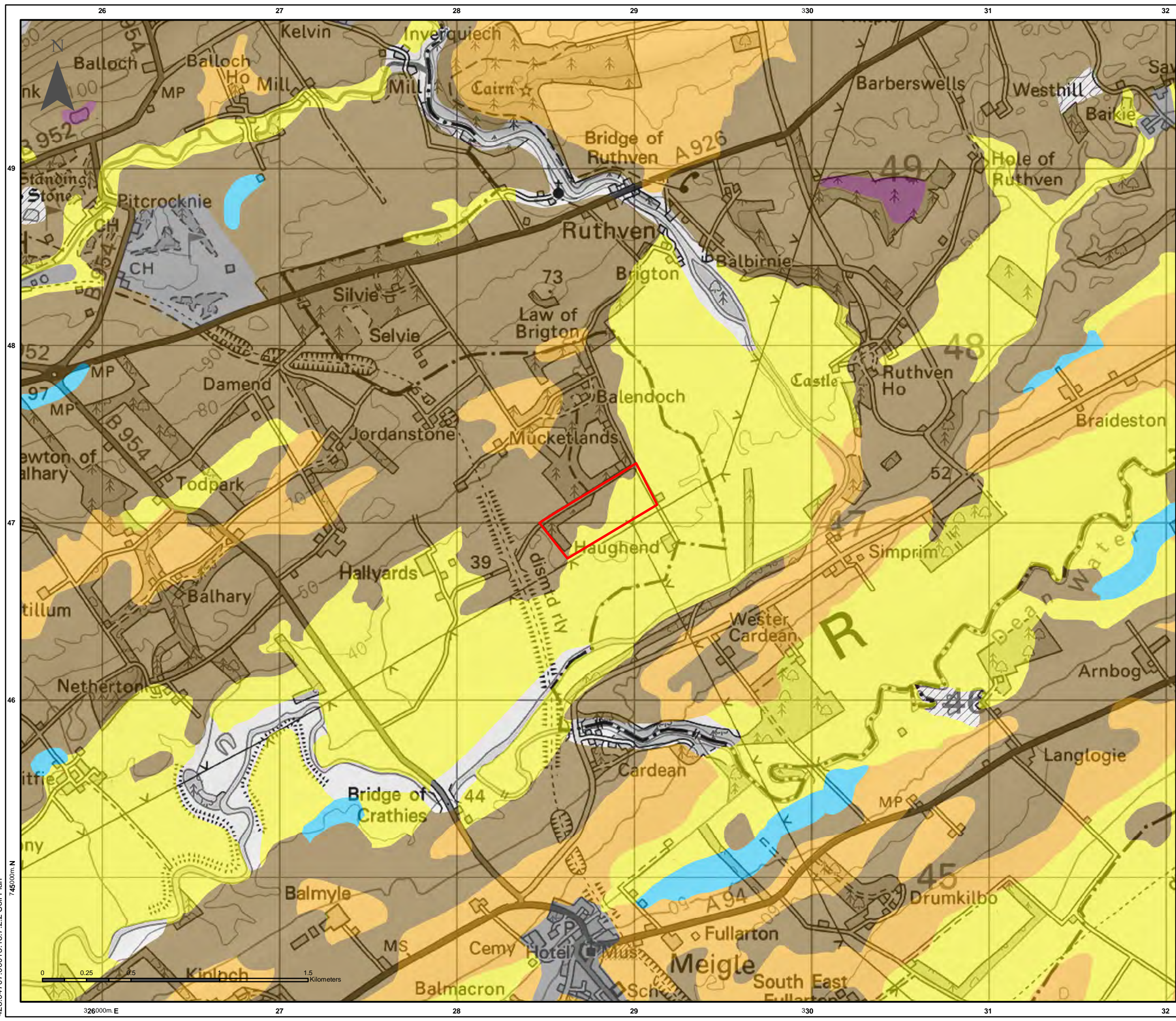
Project: Alyth 275 / 400 kV Substation and Associated Infrastructure

Title: Figure 7.1 - Local Hydrology

Drawn: NJG Date: 03/10/2019

Drawing: 7.1

428.04707.00013.18.7.1.2 Local Hydrology



Legend

- Planning Boundary
- Generalised Soil Type**
- Alluvial soils
- Brown soils
- Immature soils
- Mineral gleys
- Mineral podzols
- Peat
- Made up ground
- No data
- Non-soil

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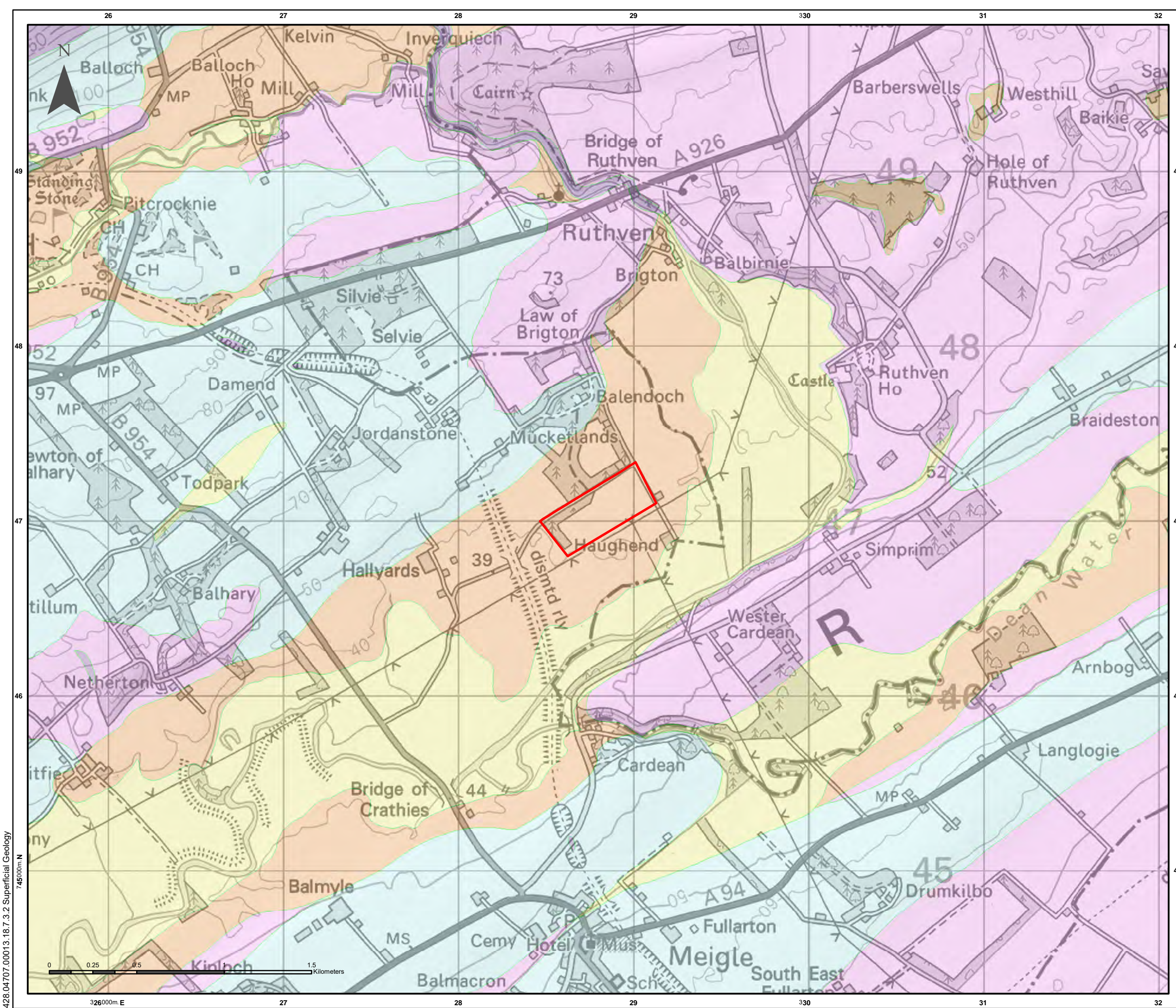
Project No: LT139 Scale @ A3: 1:20,000

Project: Alyth 275 / 400 kV Substation and Associated Infrastructure
 Title: Figure 7.2 - Soil Plan

Drawn: NJG Date: 03/10/2019

Drawing: 7.2

428.04707.00013.18.7.2.2 Soil Plan 74600m N



Legend

- Planning Boundary

Superficial Geology

- Alluvium - Clay, Silt, Sand and Gravel
- Till, Devensian – Diamicton
- Glaciofluvial Deposits - Gravel, Sand and Silt
- Peat
- River Terrace Deposits (Undifferentiated) - Gravel, Sand, Silt and Clay

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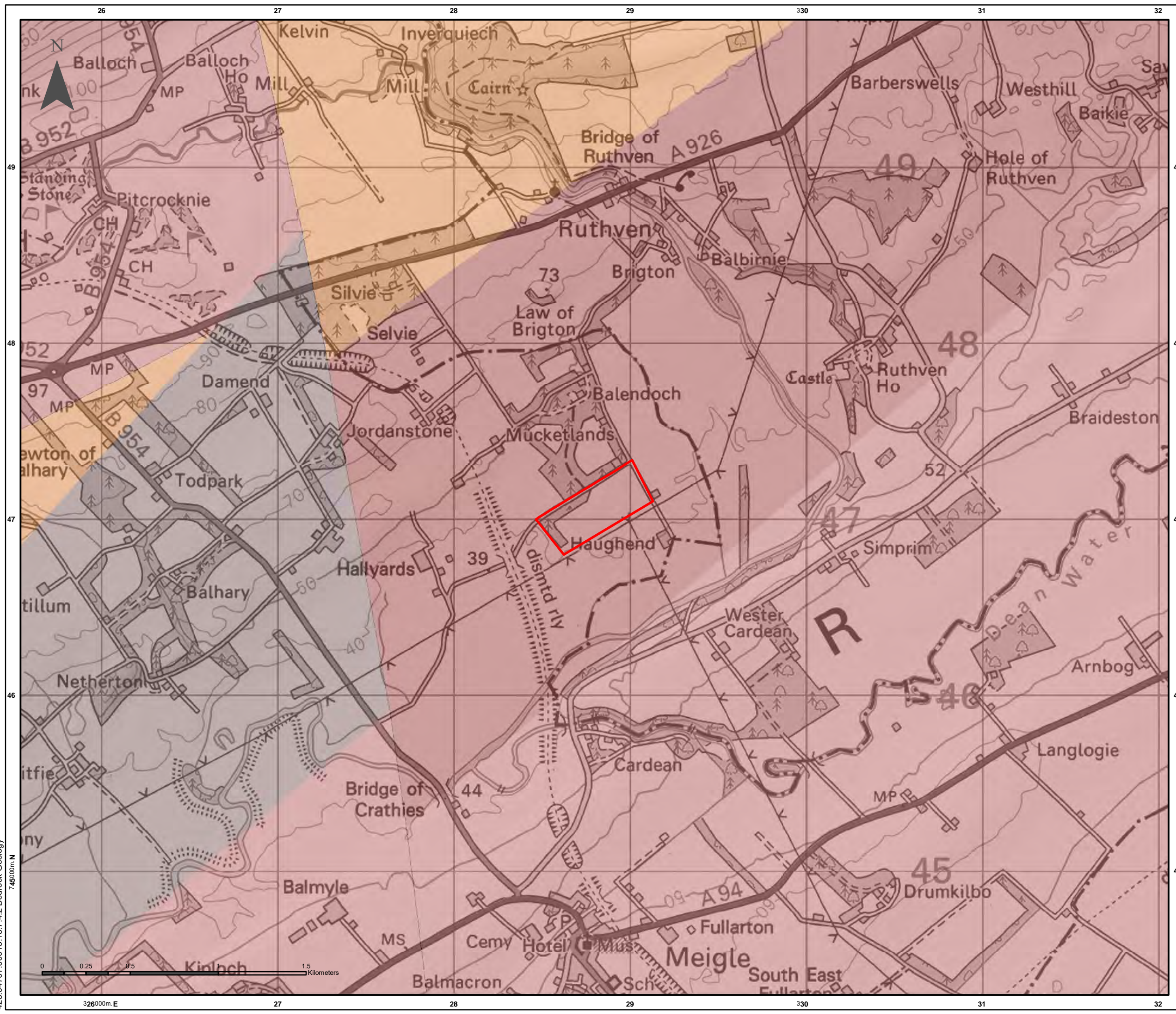
Project No: LT139 Scale @ A3: 1:20,000

Project: Alyth 275 / 400 kV Substation and Associated Infrastructure
 Title: Figure 7.3 - Superficial Geology



Drawn: NJG Date: 03/10/2019

Drawing: 7.3

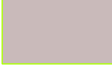



428.04707.00013.18.7.3.2 Superficial Geology 74500m N



Legend

-  Planning Boundary
-  Fault Inferred - Displacement Unknown

Bedrock Geology

-  Cromlix Mudstone Formation - Mudstone and Siltstone
-  Cromlix Mudstone Formation - Mudstone
-  Teith Sandstone Formation - Sandstone
-  Scone Sandstone Formation - Sandstone

Map labels include: Kelvin, Inverquiech, Balloch, Balloch Ho Mill, Mill, Cairn, Barberswells, Westhill, Baikie, Bridge of Ruthven A926, Ruthven, Balbirnie, Hole of Ruthven, Silvie, Selvie, Law of Brighton, Brighton, Balendoch, Castle, Ruthven Ho, Braideston, Jordanstone, Mucktlands, Haughend, Simprim, Balhary, Todpark, Damend, Newton of Balhary, Hallyards, Wester Cardean, Dean Water, Arnbog, Netherton, Balhary, Cardean, Langlogie, Bridge of Crathies, Balmyle, Cemy Hotel, Mus, Fullarton, Meigle, South East Fullarton, Drumkilbo, A94, A926, A97, A954, A952, A951, A950, A949, A948, A947, A946, A945, A944, A943, A942, A941, A940, A939, A938, A937, A936, A935, A934, A933, A932, A931, A930, A929, A928, A927, A926, A925, A924, A923, A922, A921, A920, A919, A918, A917, A916, A915, A914, A913, A912, A911, A910, A909, A908, A907, A906, A905, A904, A903, A902, A901, A900, A899, A898, A897, A896, A895, A894, A893, A892, A891, A890, A889, A888, A887, A886, A885, A884, A883, A882, A881, A880, A879, 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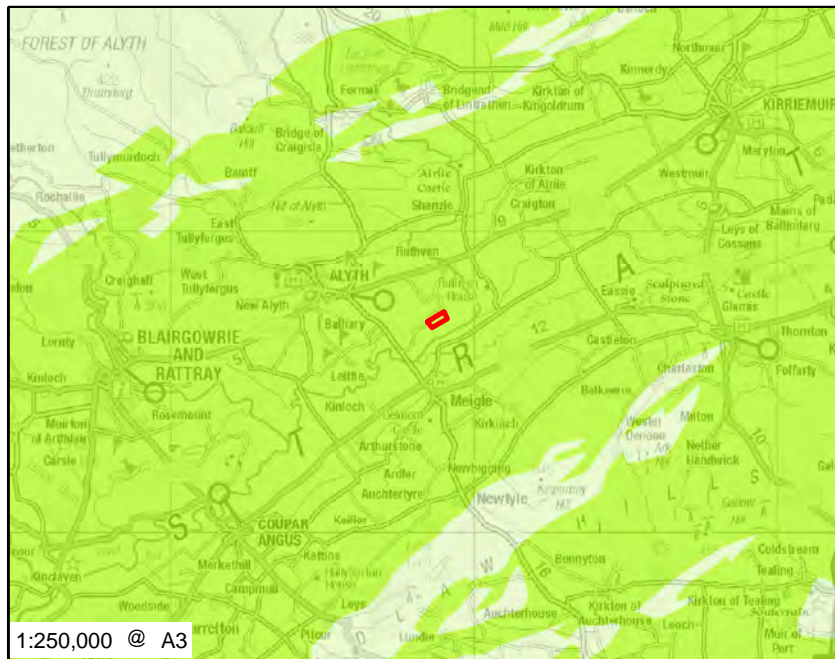
Project No: LT139 Scale @ A3: 1:20,000

Project: Alyth 275 / 400 kV Substation and Associated Infrastructure
 Title: Figure 7.4 - Bedrock Geology

Drawn: NJG Date: 03/10/2019

Drawing: 7.4

428.04707.00013.18.7.4.2 Bedrock Geology 74500m N



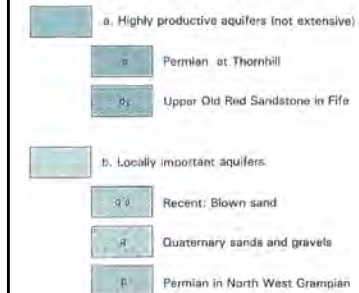
1:250,000 @ A3

Aquifer In Which Flow Is Virtually All Through Fractures And Other

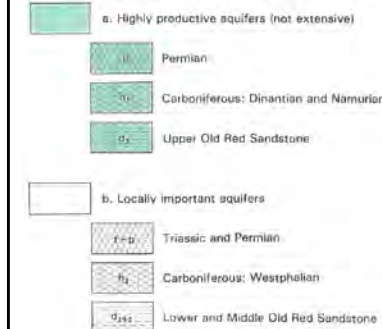


INDEX AND EXPLANATION

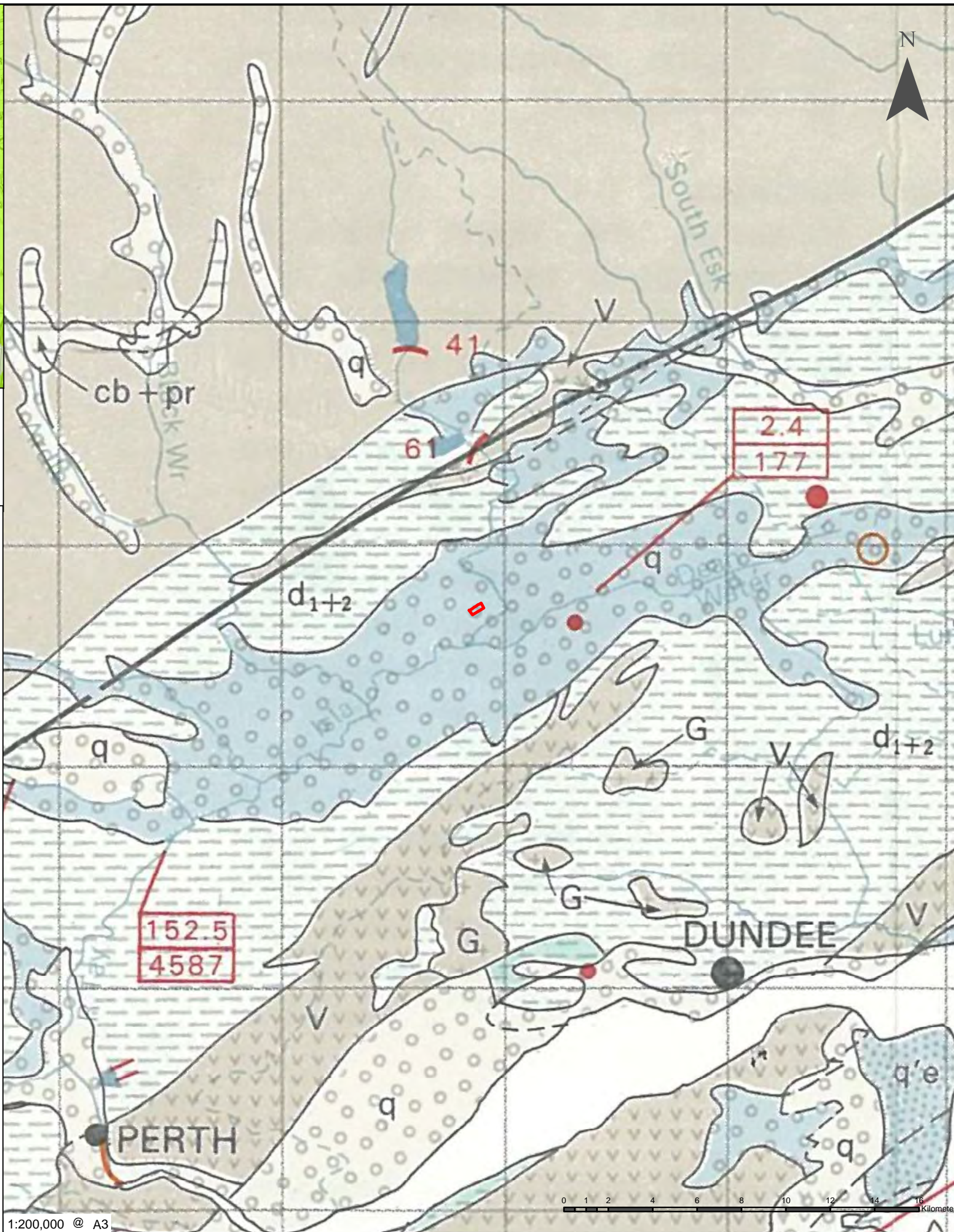
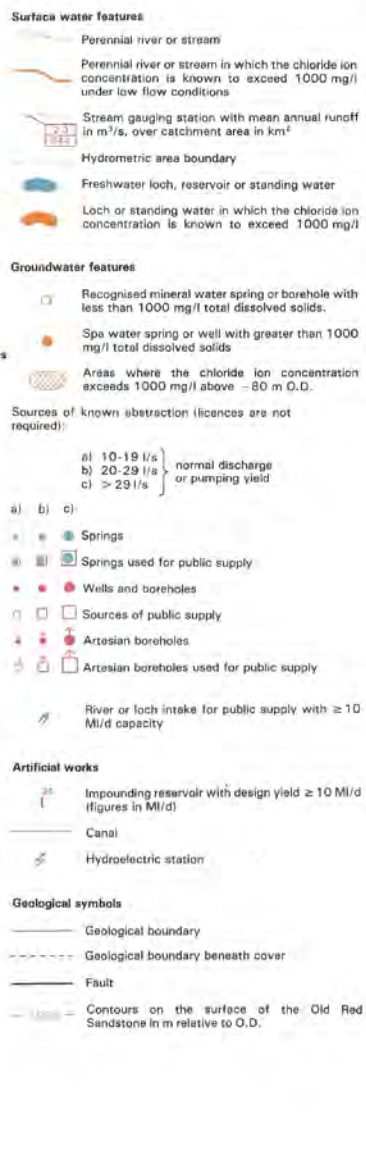
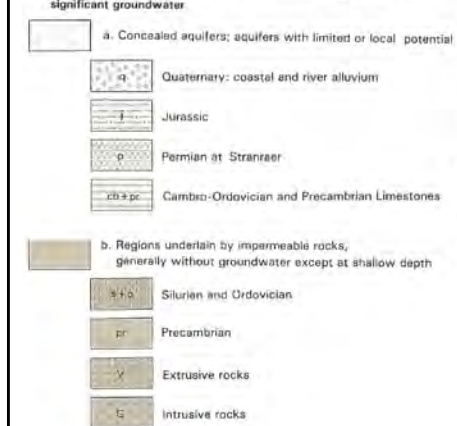
1. Aquifers in which intergranular flow is significant



2. Aquifers in which flow is dominantly in fissures and other discontinuities



3. Concealed aquifers, aquifers of limited potential, regions without significant groundwater



1:200,000 @ A3

Legend



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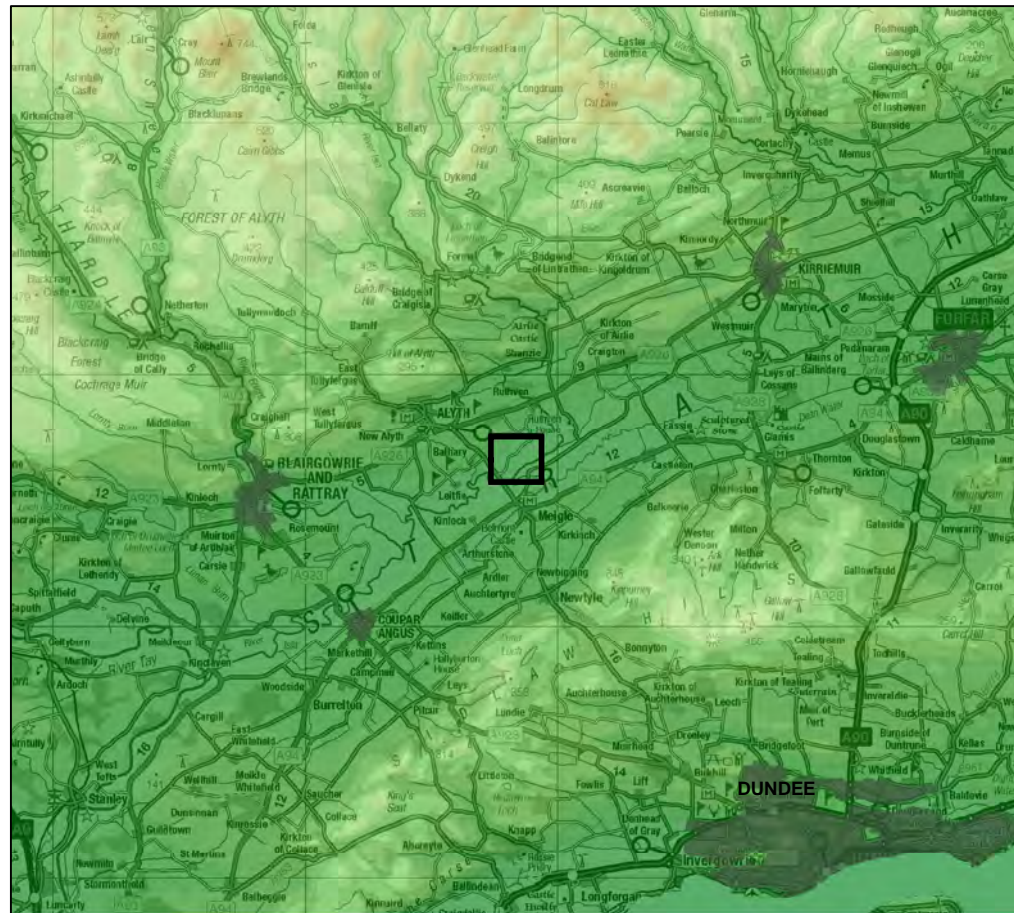
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Project No: LT139 Scale @ A3: As Shown

Project: Alyth 275 / 400 kV Substation and Associated Infrastructure
Title: Figure 7.5 - Regional Hydrogeology

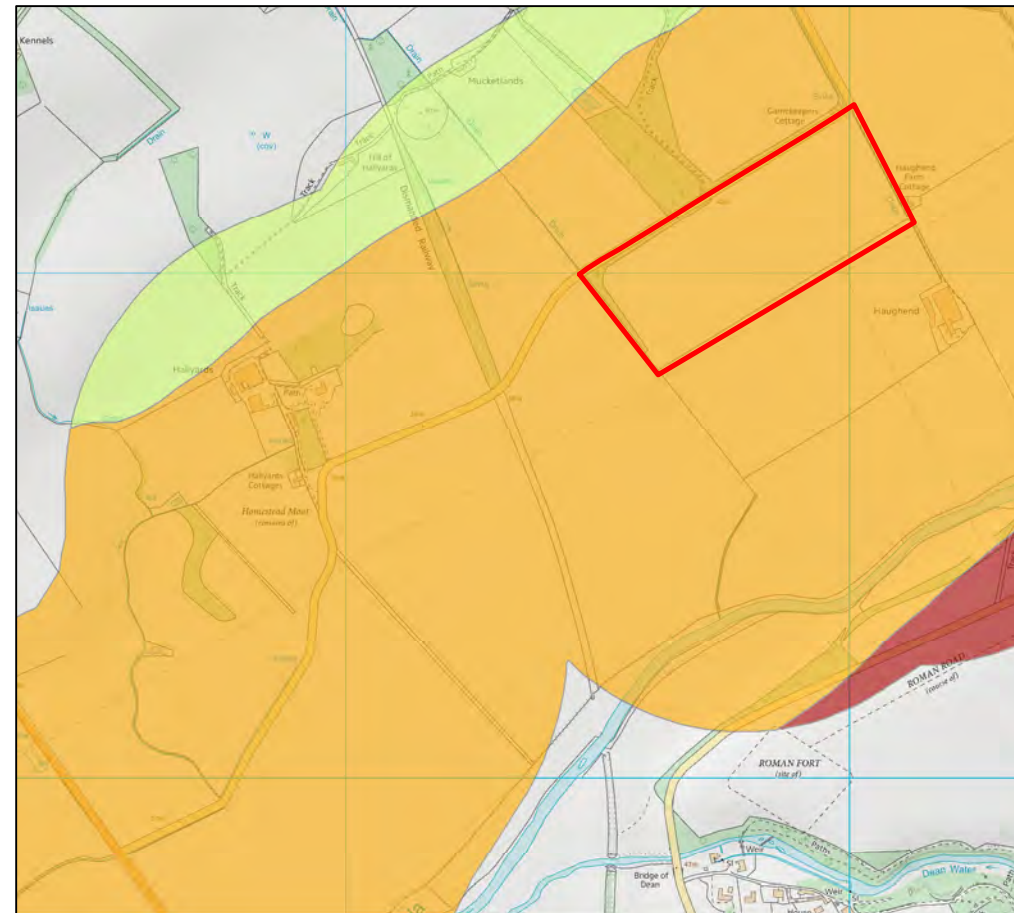
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Drawing: 7.5



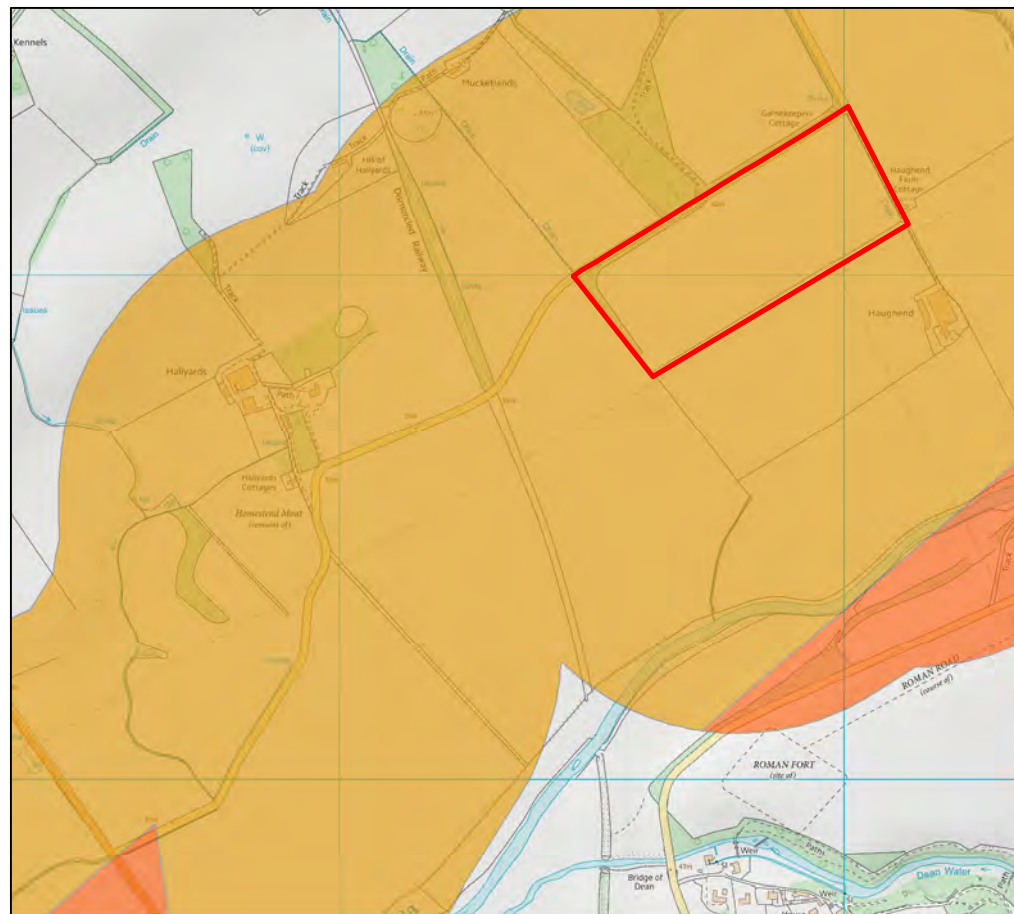
MAP EXTRACT

1:300,000 @ A3



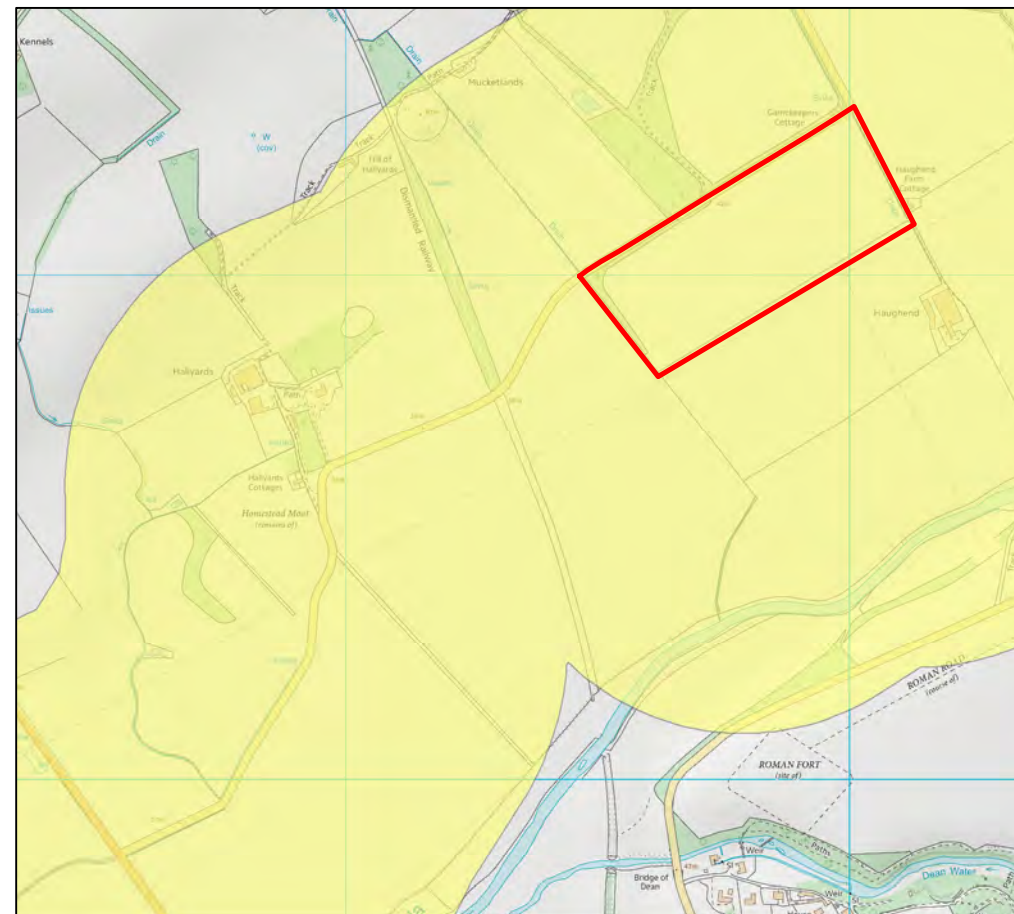
SUPERFICIAL AQUIFERS

1:15,000 @ A3



BEDROCK AQUIFERS

1:15,000 @ A3



GROUNDWATER VULNERABILITY IN THE UPPER MOST AQUIFER

1:15,000 @ A3

Legend

- Planning Boundary
- Superficial Aquifers**
- Not a Significant Aquifer
- Intergranular Flow; Moderate to High Productivity
- Intergranular Flow; High Productivity
- Bedrock Aquifers**
- Intergranular & Fracture Flow; Moderate Productivity
- Intergranular & Fracture Flow; High Productivity
- Groundwater Vulnerability in the Upper Most Aquifer**
- 4a

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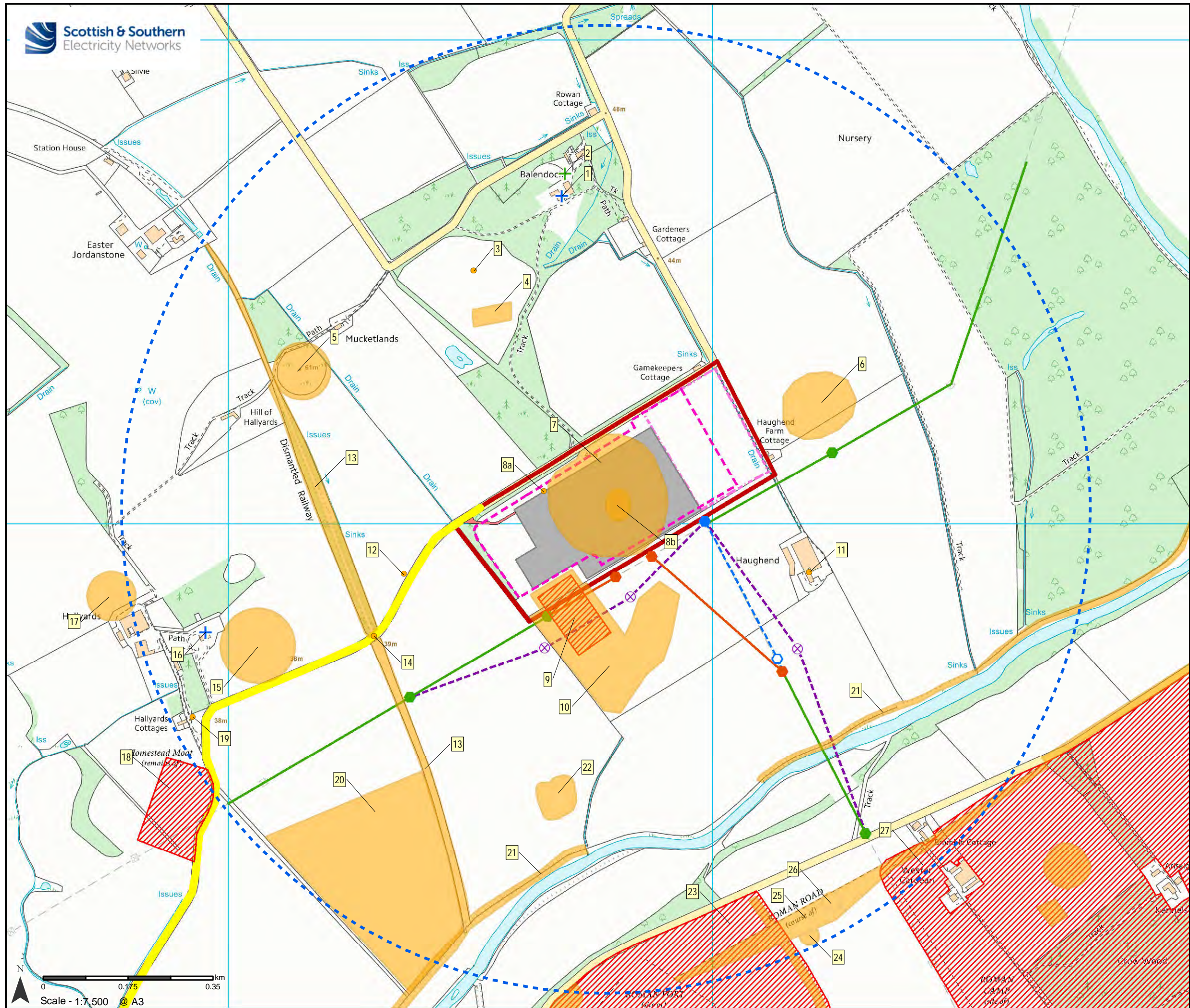
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Project No: LT139 Scale @ A3: As Shown

Project: Alyth 275 / 400 kV Substation and Associated Infrastructure
 Title: Figure 7.6 - Groundwater Vulnerability

Drawn: NJG Date: 03/10/2019

Drawing: 7.6



Key:

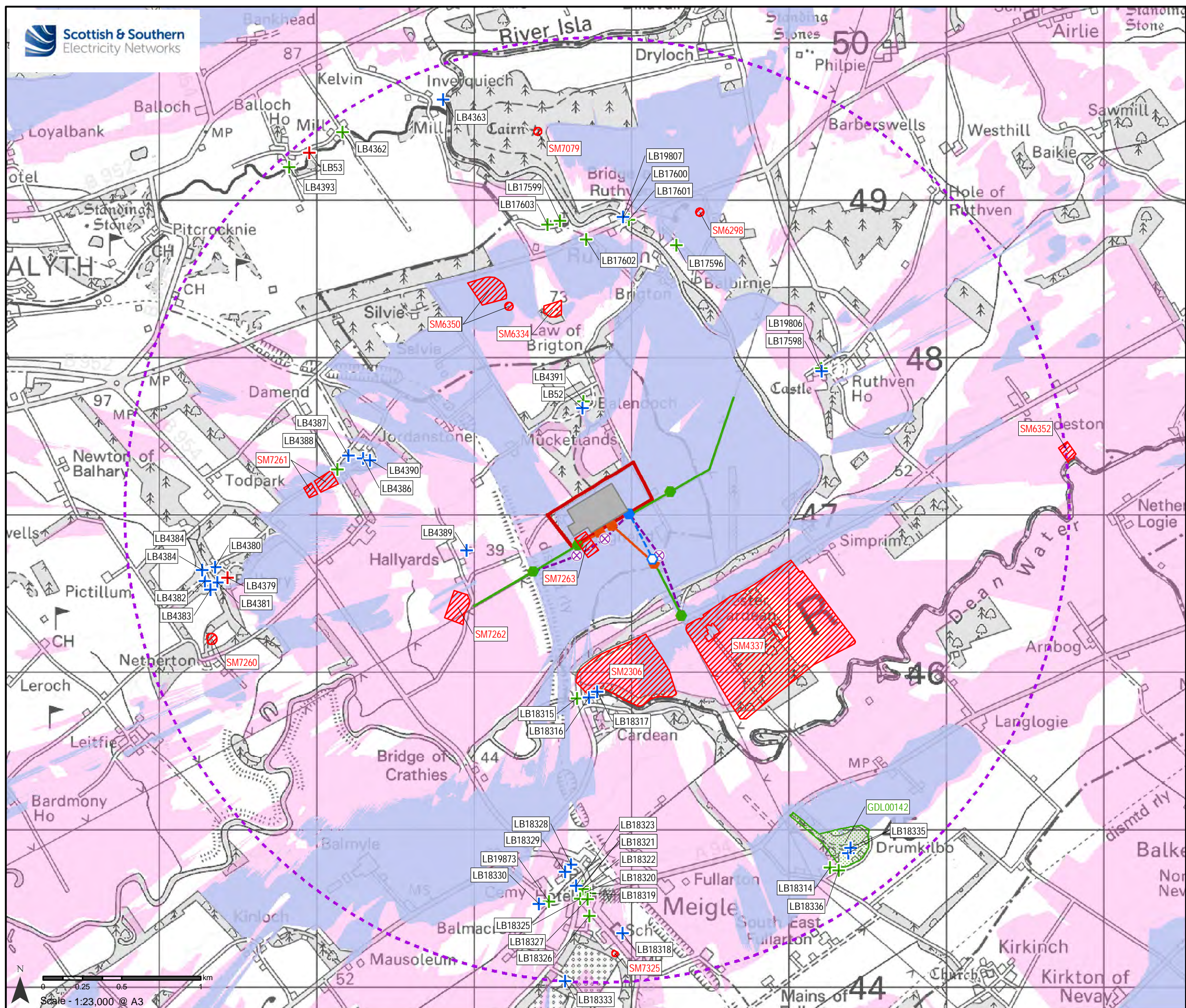
- Planning Boundary
- Proposed Substation
- Proposed Construction Access (subject to Public Road Improvements)
- Proposed Substation Access Track
- Indicative Temporary Compound
- Existing Tower to be Retained
- Existing Tower to be Modified
- Existing Tower to be Removed
- Proposed New Tower
- ⊗ Proposed New Temporary Mast
- - - Existing Overhead Line to be Removed
- Existing Overhead Line to be Retained
- Proposed New Overhead Line
- - - Proposed Temporary Overhead Line
- 1km Inner Study
- Scheduled Monument
- + Category B Listed Building
- + Category C Listed Building
- Cultural Heritage Site (point)
- Cultural Heritage Site (area)
- Extent of Trial Trench Investigations

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Project No: LT139
Project: Alyth 275 / 400 kV Substation and Associated Infrastructure

Title: Figure 8.1 - Cultural Heritage Assets within the Inner Study Area

Drawn by: CA 16/09/2019
Drawing: 8.1



Key:

- Planning Boundary
- Proposed Substation
- Existing Tower to be Retained
- Existing Tower to be Modified
- Existing Tower to be Removed
- Proposed New Tower
- Proposed New Temporary Mast
- Existing Overhead Line to be Removed
- Existing Overhead Line to be Retained
- Proposed New Overhead Line
- Proposed Temporary Overhead Line
- 3km Outer Study Area
- Scheduled Monument
- + Category A Listed Building
- + Category B Listed Building
- + Category C Listed Building
- Garden and Designed Landscape
- Zone of Theoretical Visibility (Substation)**
- Visible
- Zone of Theoretical Visibility (OHL)**
- Visible

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Project No: LT139
Project: Alyth 275 / 400 kV Substation and Associated Infrastructure
Title: Figure 8.2 - Cultural Heritage Assets within the Outer Study Area

Drawn by: CA 16/09/2019
Drawing: 8.2