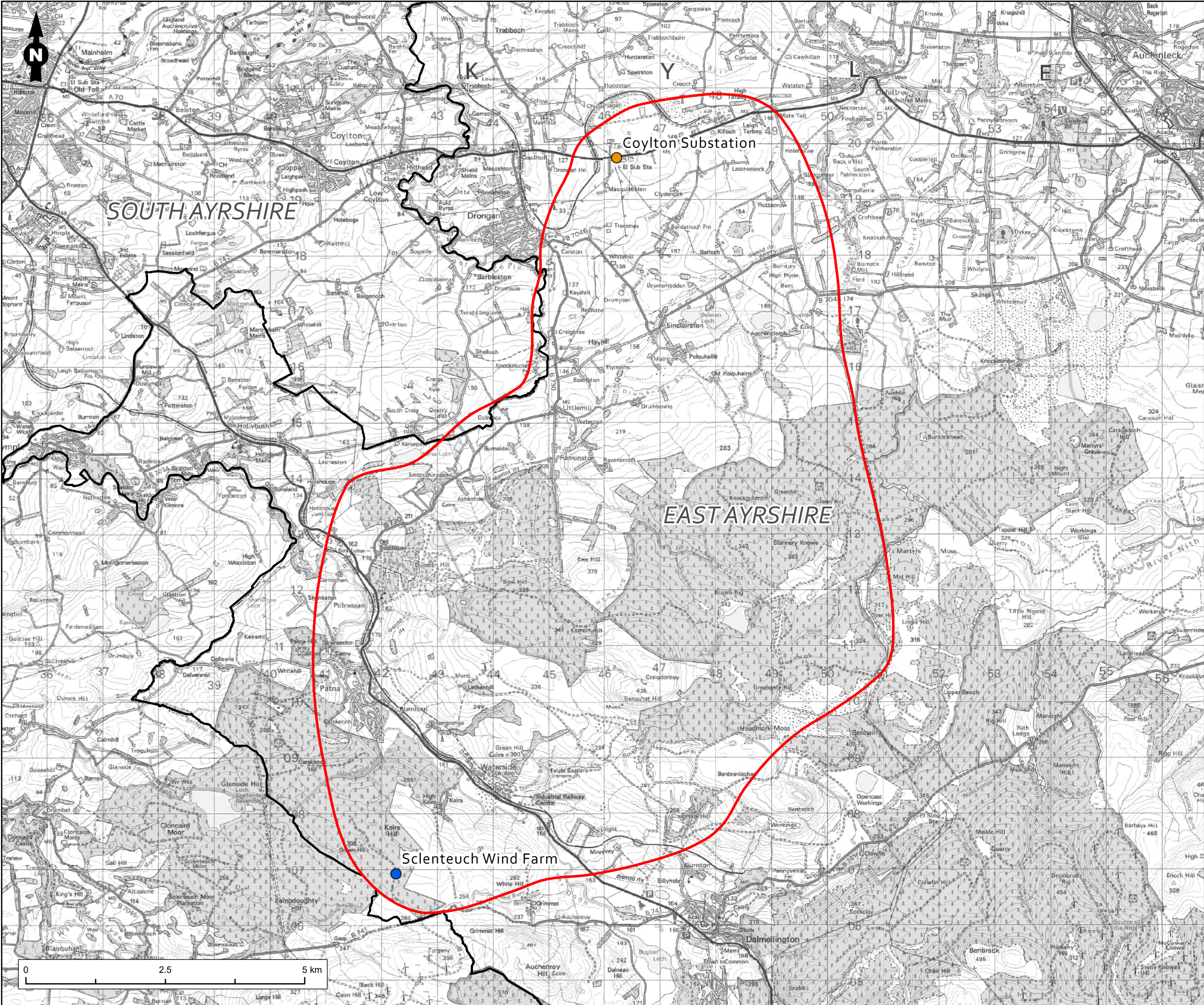




Legend

Site Boundary

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Figure Title

Study Area & Context

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

December 2024

Figure No.

1.1

Revision

1.0

Prepared By

SR

Scale

1:65,000 @A3

Client







Component parts of 132kV 'Trident' design wood pole: Intermediate (H pole)



Component parts of 132kV 'Trident' design wood pole: Angle (H pole)



Component parts of 132kV 'Trident' design wood pole: Intermediate



Component parts of 132kV 'Trident' design wood pole: Angle



Component parts of 132kV 'Trident' design wood pole: Terminal (H pole)

Figure Title
Typical Woodpole Structures

Project Name
Scienteuch 132 kV Grid
Connection

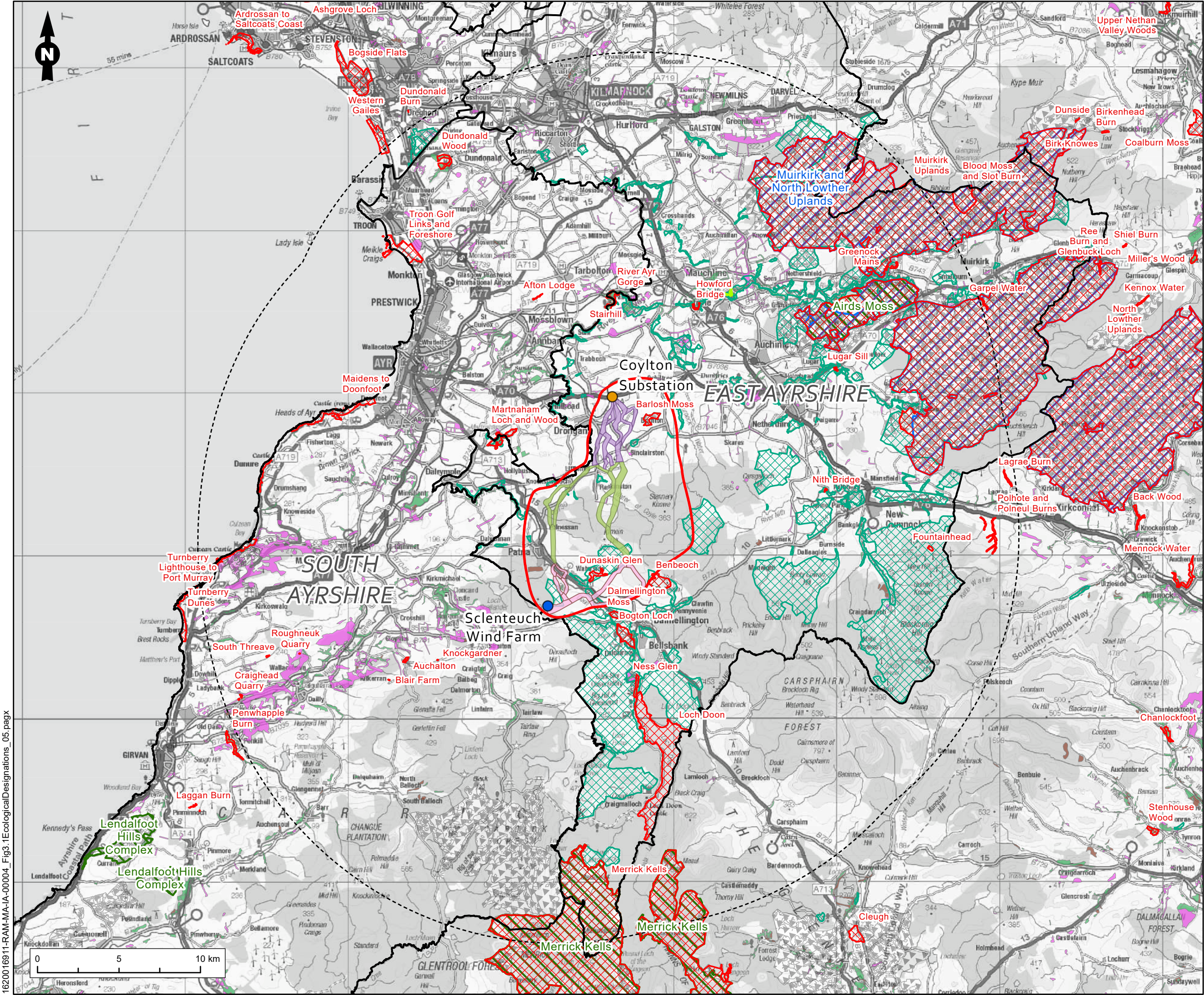
Project No./Filery ID
1620016911 / REH2024N01751

Date November 2024	Figure No. 1.2	Revision 1.0
-----------------------	-------------------	-----------------

Prepared By SR	Scale N/A @A3
-------------------	------------------

Client



Site Boundary

20 km Study Area Buffer

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Site of Special Scientific Interest

Special Protection Area

Special Area of Conservation

Local Nature Reserve

Local Nature Conservation Site

National Vegetation Classification

Ancient Woodland Inventory

Ancient (of semi-natural origin)

Long-Established (of plantation origin)

Other (on Roy map)

Figure Title

Ecological Designations

Project Name

Scienteuch 132 kV Grid Connection

Project No./Filey ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.1

Revision

1.0

Prepared By

SR

Scale

1:220,000 @A3

Client

SP Energy Networks

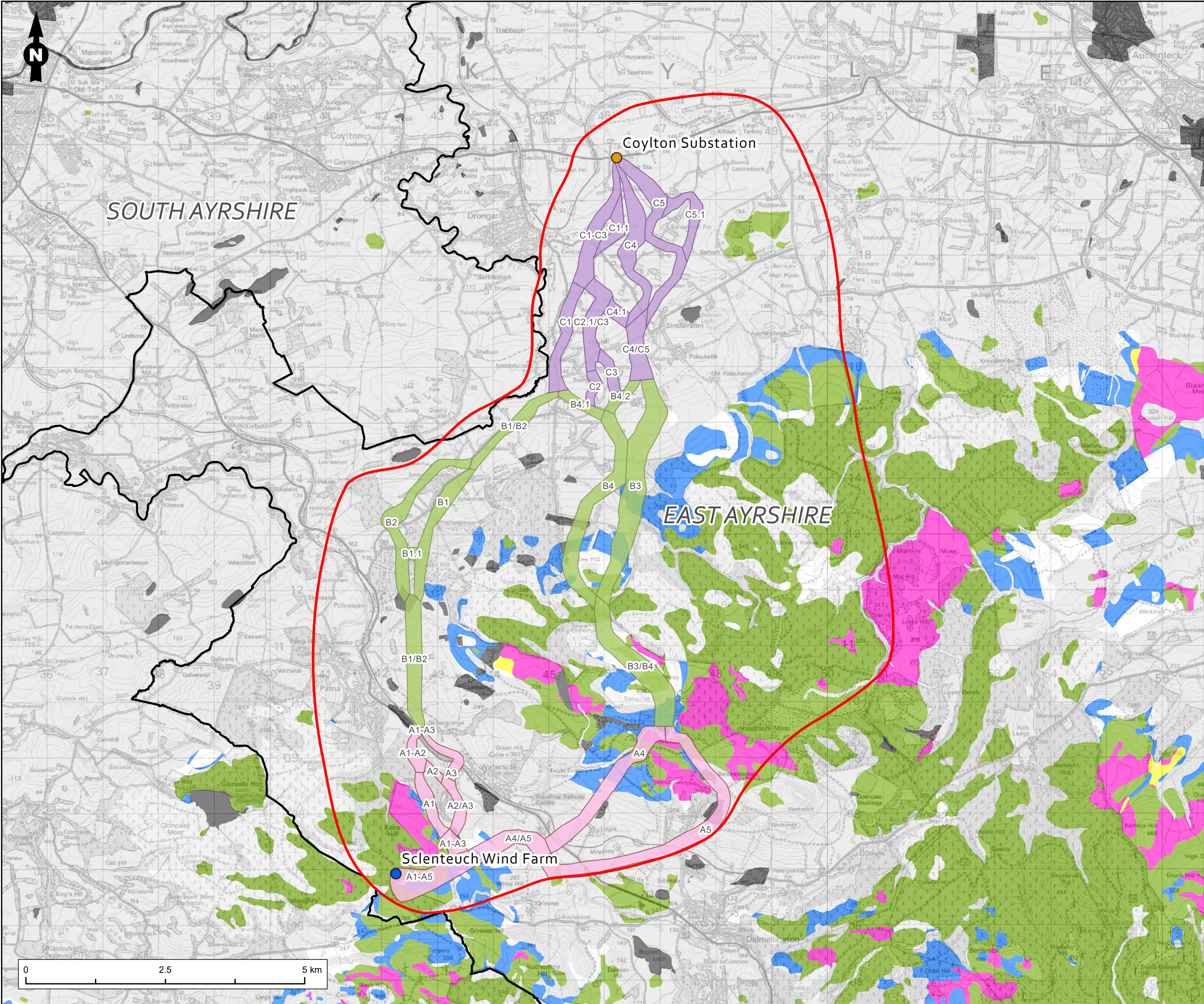
RAMBOLL

1620016911-RAM-MA-IA-00004_Fig3.1EcologicalDesignations_05.pag

© Crown copyright 2024 OS 100040631.
© Crown copyright and database rights [2024] Ordnance Survey AC0000808122.

Coordinate System: British National Grid. Projection: Transverse Mercator. Datum: OSGB 1936.

1620016911-RAM-MA-IA-00005_Fig3.2Carbon&Peatland_04.pagx



Legend

- Site Boundary
- Scienteuch Wind Farm
- Coylton Substation
- Council Boundary

Route Option

- Route Option - A
- Route Option - B
- Route Option - C

Carbon and Peatland (2016)

- Unknown soil type
- Mineral soils
- Class 1
- Class 2
- Class 3
- Class 4
- Class 5

Figure Title

Carbon & Peatland

Project Name

Scienteuch 132 kV Grid Connection

Project No./Filyr ID

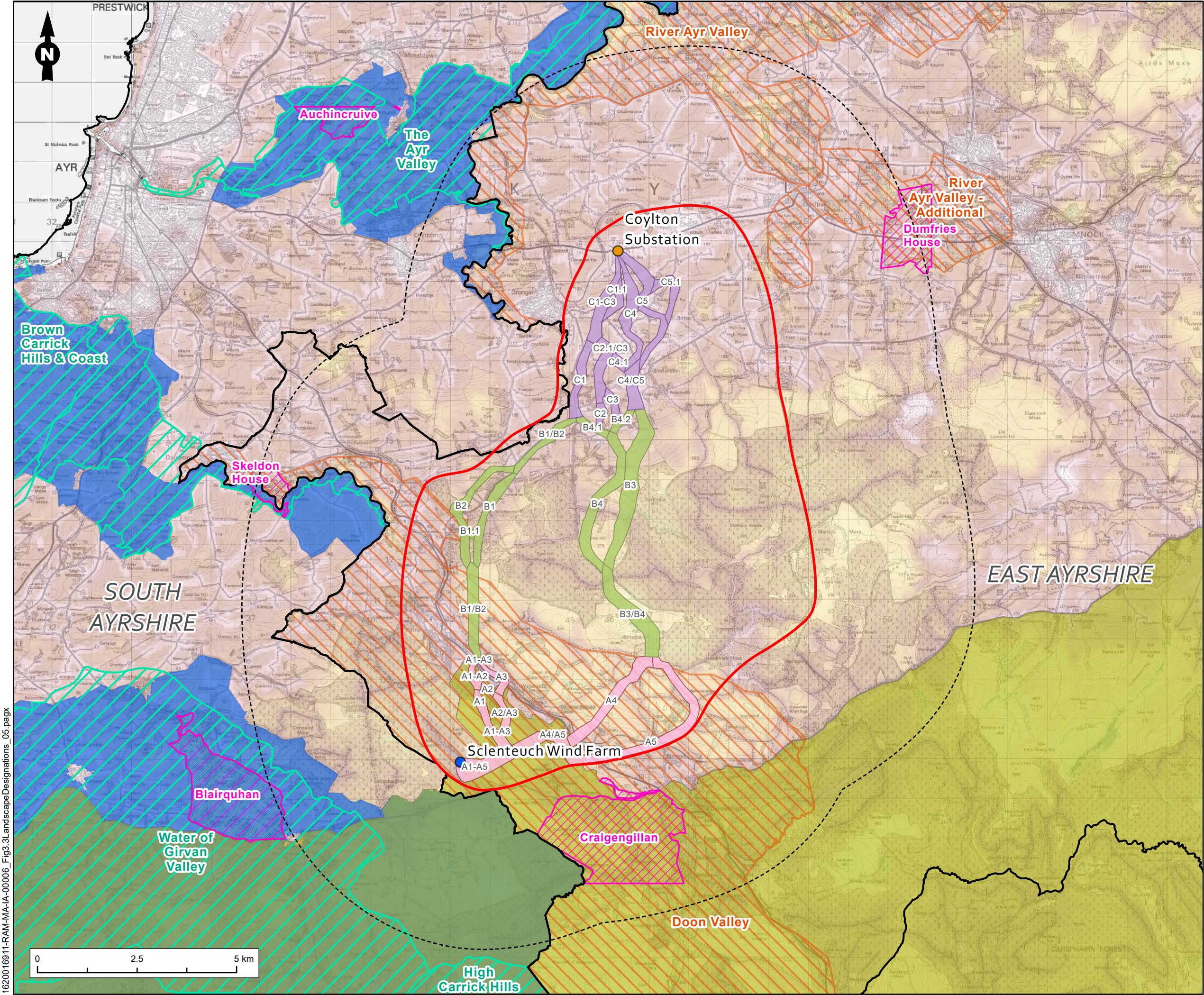
1620016911 / REH2024N01751

Date	Figure No.	Revision
November 2024	3.2	1.0

Prepared By	Scale
SR	1:65,000 @A3

Client

SP Energy Networks



Legend

Site Boundary

4 km Study Area Buffer

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Gardens & Designed Landscapes

Environmentally Sensitive Area

East Ayrshire Local Landscape Area

South Ayrshire Local Landscape Area

South Ayrshire Scenic Area

Relative Wildness (2014)

High

Low

Figure Title

Landscape Designations

Project Name

Scienteuch 132 kV Grid Connection

Project No./Filyr ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.3

Revision

1.0

Prepared By

SR

Scale

1:90,000 @A3

Client

SP Energy Networks

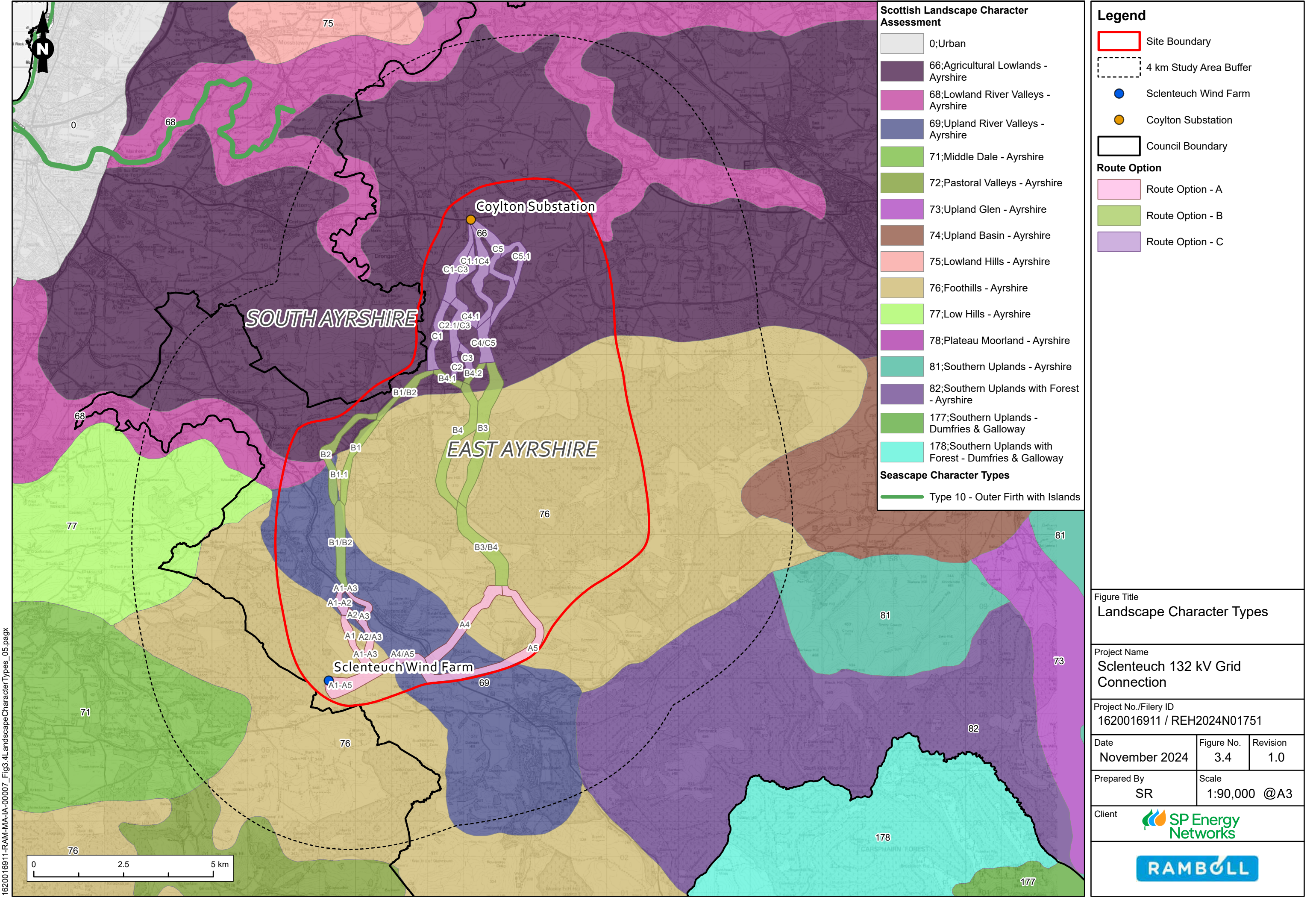
RAMBOLL

1620016911-RAM-MA-IA-00006_Fig3.3LandscapeDesignations_05.pagx

© Crown copyright 2024 OS 100040631. Local Landscape Areas obtained from South Ayrshire and East Ayrshire Council respectively.

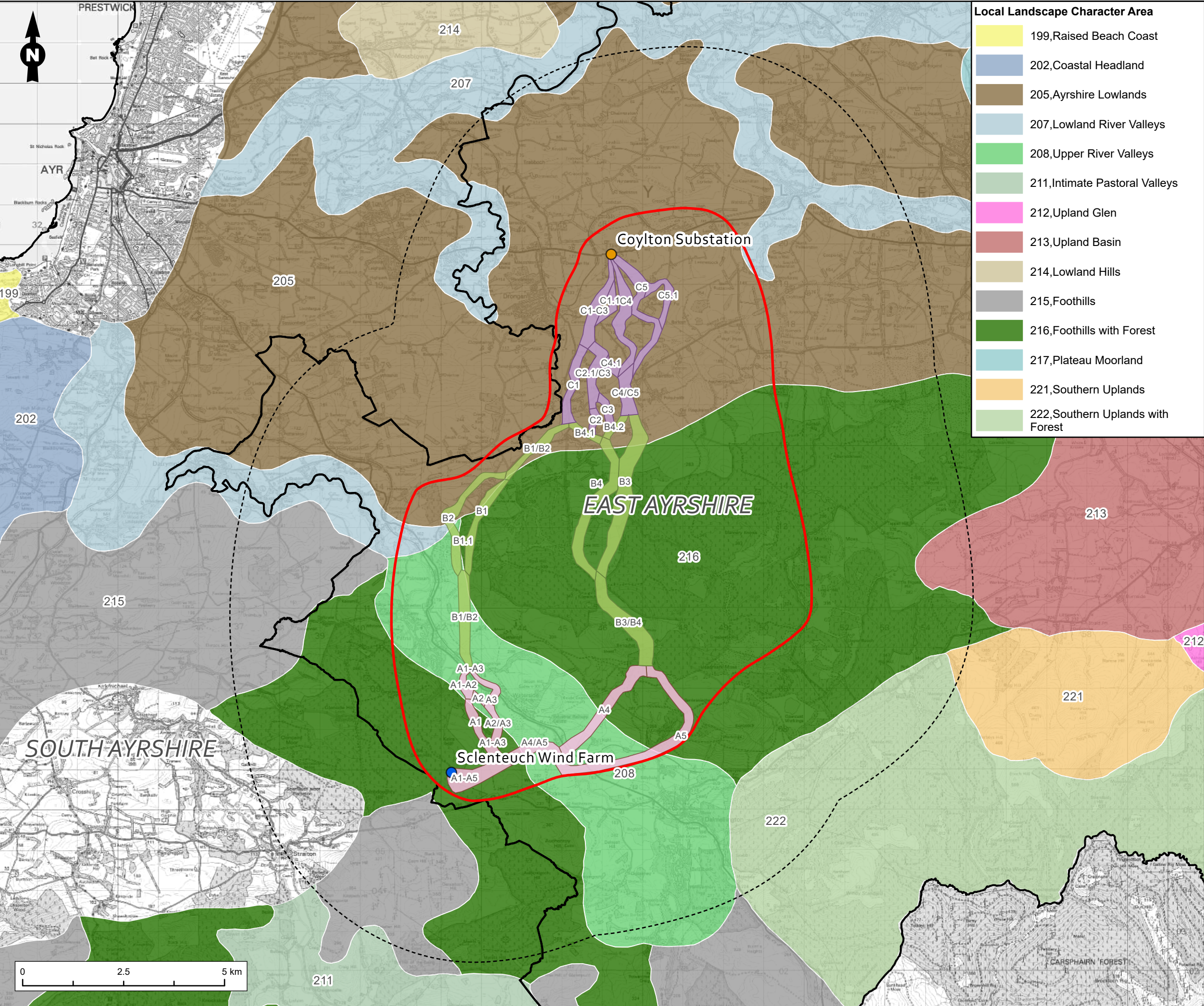
© Crown copyright and database rights [2024] Ordnance Survey AC0000808122.

Coordinate System: British National Grid. Projection: Transverse Mercator. Datum: OSGB 1936.



1620016911-RAM-MA-IA-00007_Fig3.4LandscapeCharacterTypes_05.pagx

1620016911-RAM-MA-IA-00008_Fig3.5LocalLandscapeCharacterTypes_05.pagx



- Local Landscape Character Area**
- 199,Raised Beach Coast
 - 202,Coastal Headland
 - 205,Ayrshire Lowlands
 - 207,Lowland River Valleys
 - 208,Upper River Valleys
 - 211,Intimate Pastoral Valleys
 - 212,Upland Glen
 - 213,Upland Basin
 - 214,Lowland Hills
 - 215,Foothills
 - 216,Foothills with Forest
 - 217,Plateau Moorland
 - 221,Southern Uplands
 - 222,Southern Uplands with Forest

Legend

- Site Boundary
- 4 km Study Area Buffer
- Scienteuch Wind Farm
- Coylton Substation
- Council Boundary

Route Option

- Route Option - A
- Route Option - B
- Route Option - C

Figure Title

Local Landscape Character Area

Project Name

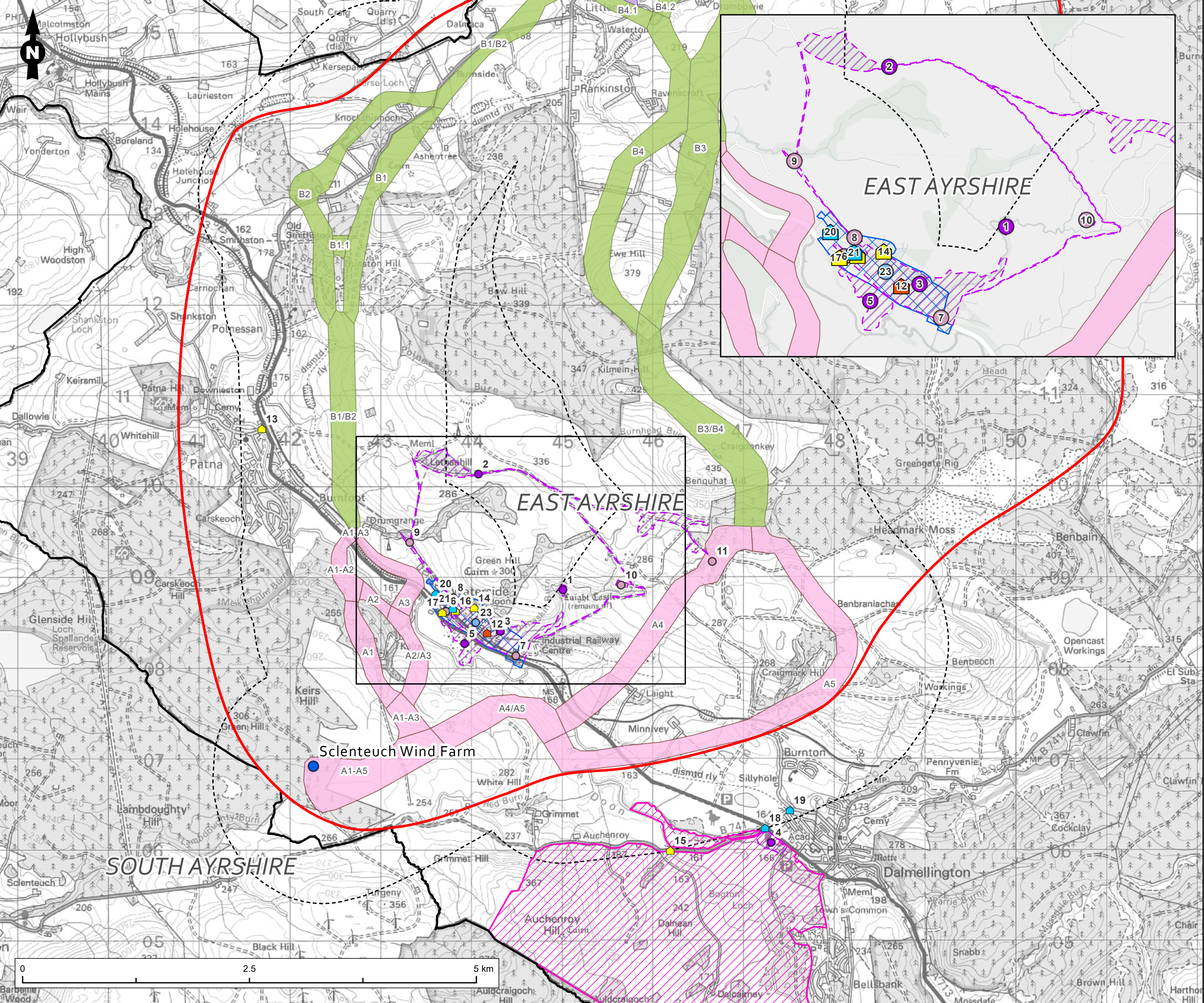
Scienteuch 132 kV Grid Connection

Project No./Filyr ID

1620016911 / REH2024N01751

Date	November 2024	Figure No.	3.5	Revision	1.0
Prepared By	SR	Scale	1:90,000 @A3		
Client					

1620016911-RAM-MA-IA-00013_Fig3.6DesHeritageAssetswithin1km_05.pagx



Legend

Site Boundary

Scienteuch Wind Farm

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Proposed Route Options - 1 km Buffer

Heritage Assets

Conservation Area

Scheduled Monument

Scheduled Monument Element

Listed Buildings

Listed Building - Category A

Listed Building - Category B

Listed Building - Category C

Scheduled Monument

Gardens & Designed Landscapes - Craigengillan

Conservation Area - Waterside

Figure Title

Designated Heritage Assets within 1 km of Route Options

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fility ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.6

Revision

1.0

Prepared By

SR

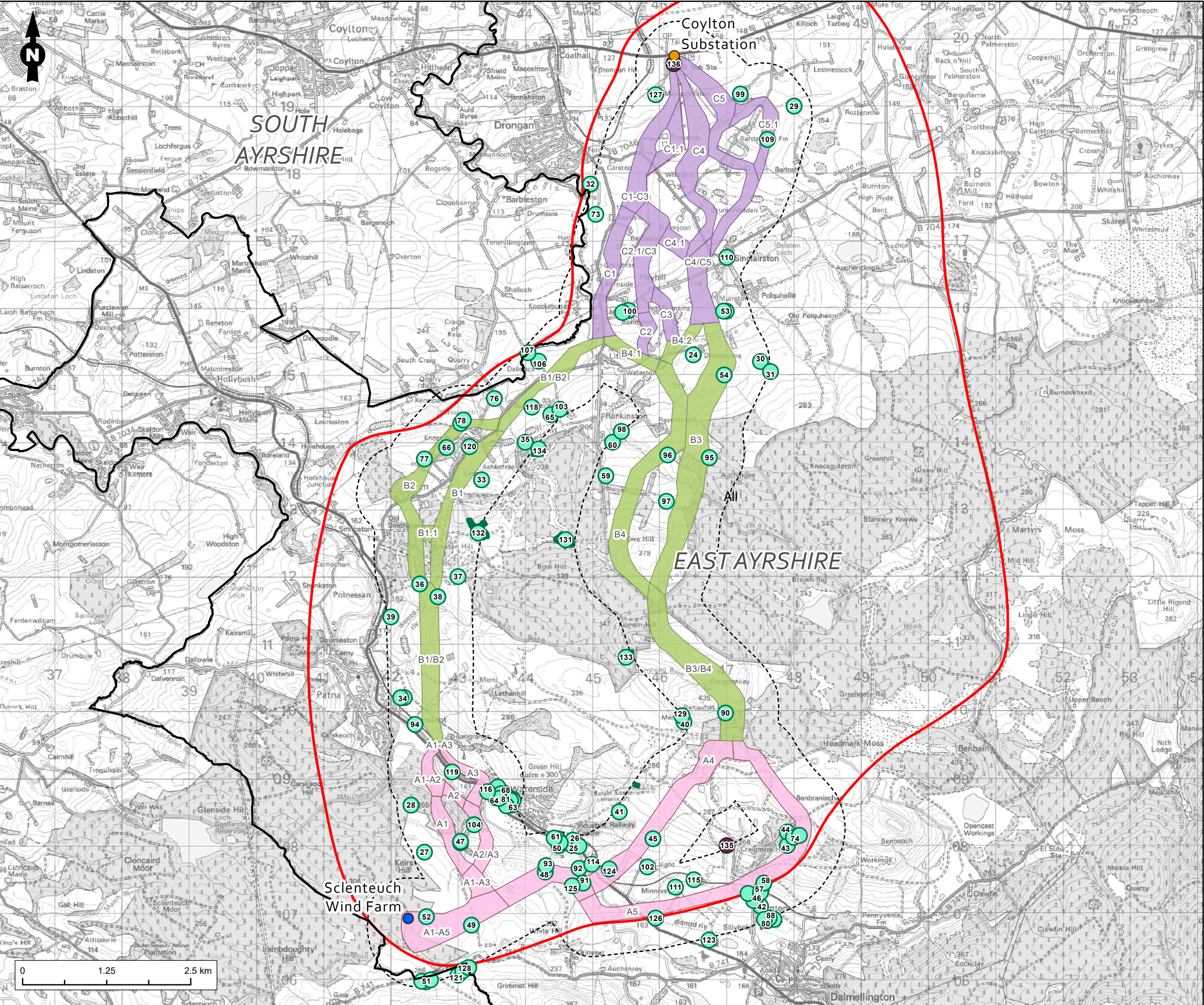
Scale

1:40,000 @A3

Client

SP Energy Networks

1620016911-RAM-MA-IA-00014_Fig3.7NonDesHeritageAssetswithin500m_05.pag



Legend

Site Boundary

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Proposed Route Options - 500 m Buffer

Heritage Asset

Event

Non-designated Heritage Asset

Non-Designated Heritage Asset - Canmore Area

Figure Title

Non-Designated Heritage Assets within 500 m of Route Options: All

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fility ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.7a

Revision

1.0

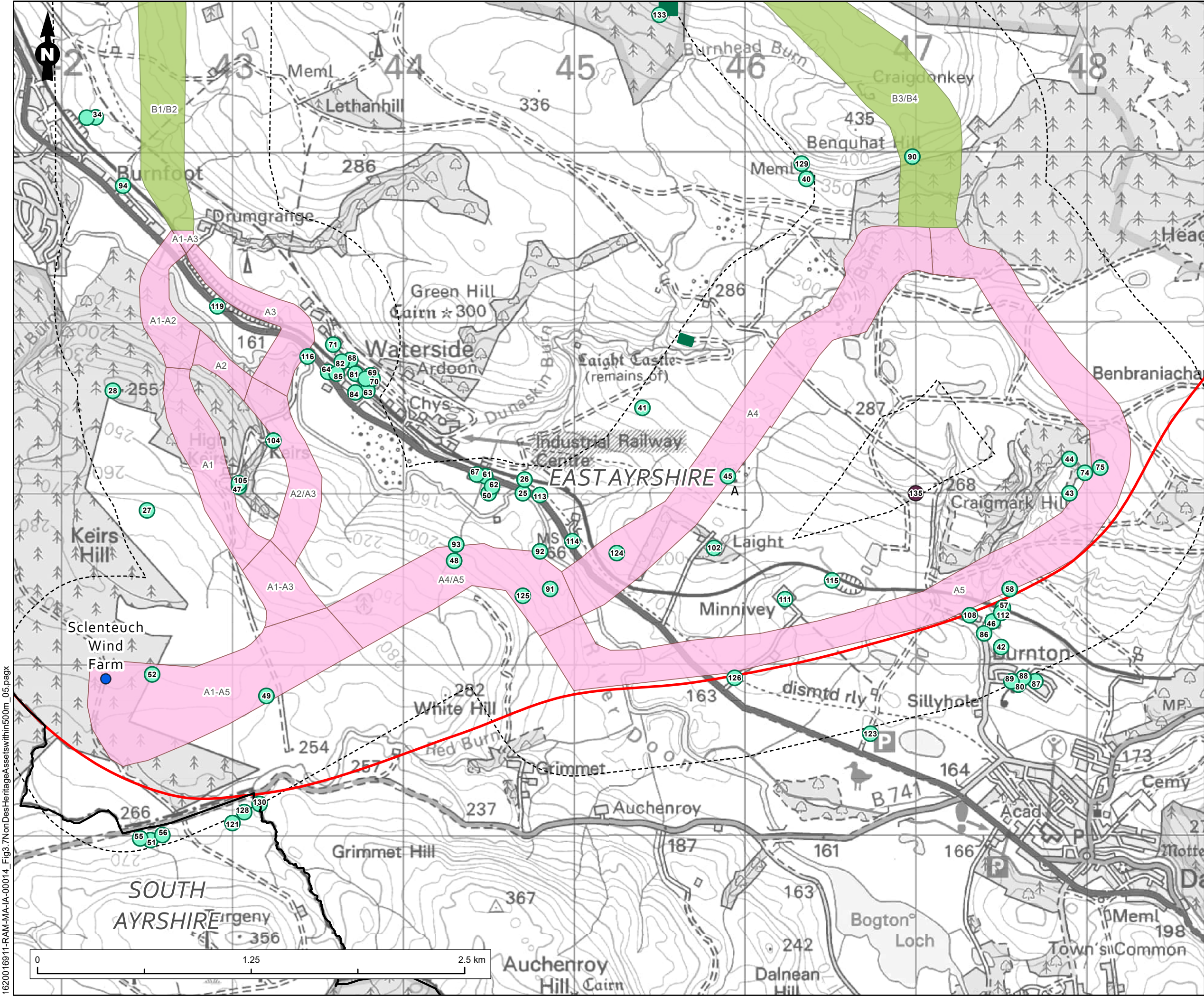
Prepared By

SR

Scale

1:54,000 @A3

Client



Legend

Site Boundary

Scienteuch Wind Farm

Council Boundary

Route Option

Route Option - A

Route Option - B

Proposed Route Options - 500 m Buffer

Heritage Asset

Event

Non-designated Heritage Asset

Non-Designated Heritage Asset - Canmore Area

Figure Title

Non-Designated Heritage Assets within 500 m of Route Options: A

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.7b

Revision

1.0

Prepared By

SR

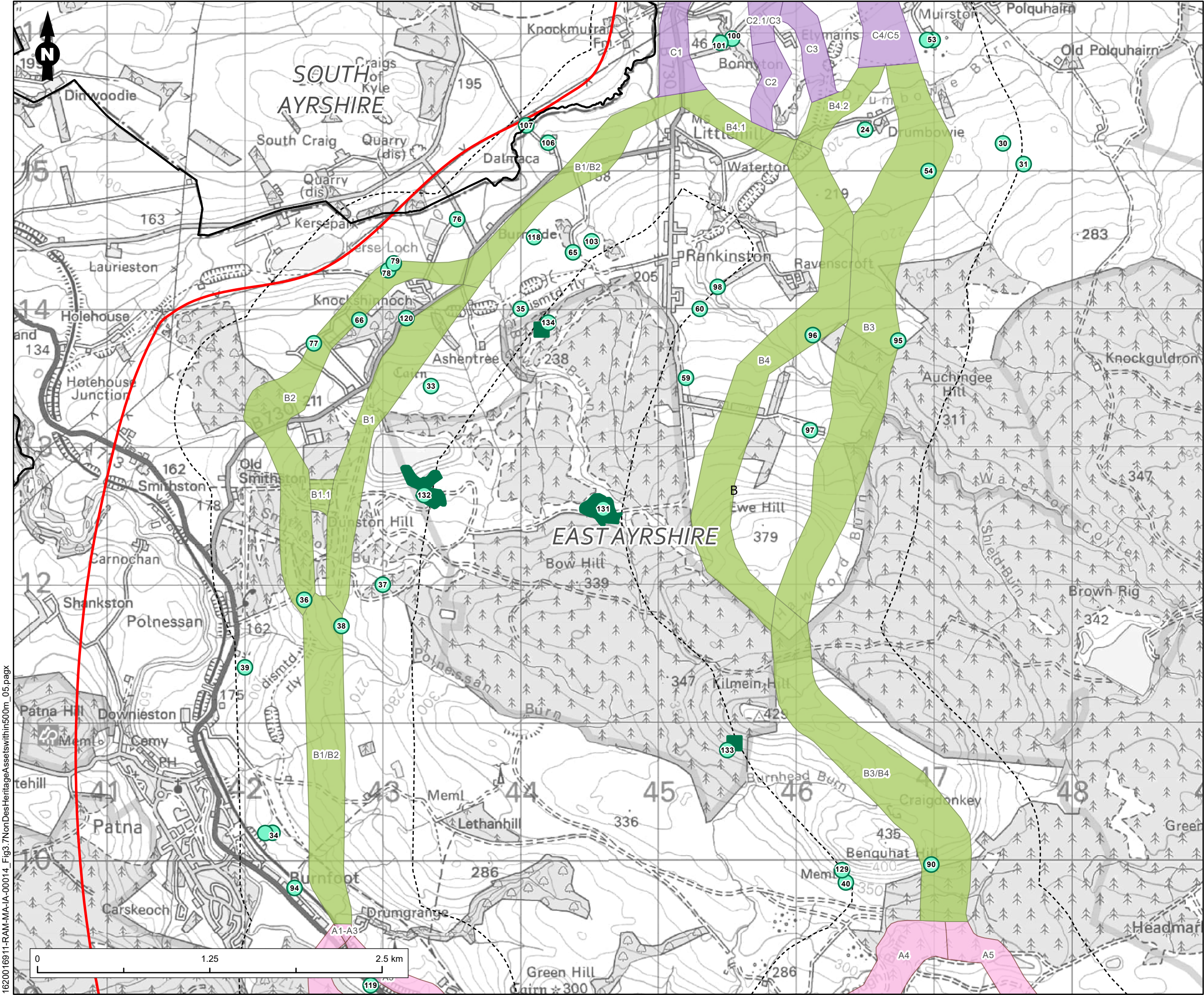
Scale

1:21,000 @A3

Client

SP Energy Networks

1620016911-RAM-MA-IA-00014_Fig3.7NonDesHeritageAssetswithin500m_05.pagx



Legend

Site Boundary

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Proposed Route Options - 500 m Buffer

Heritage Asset

Non-designated Heritage Asset

Non-Designated Heritage Asset - Canmore Area

Figure Title

Non-Designated Heritage Assets within 500 m of Route Options: B

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.7c

Revision

1.0

Prepared By

SR

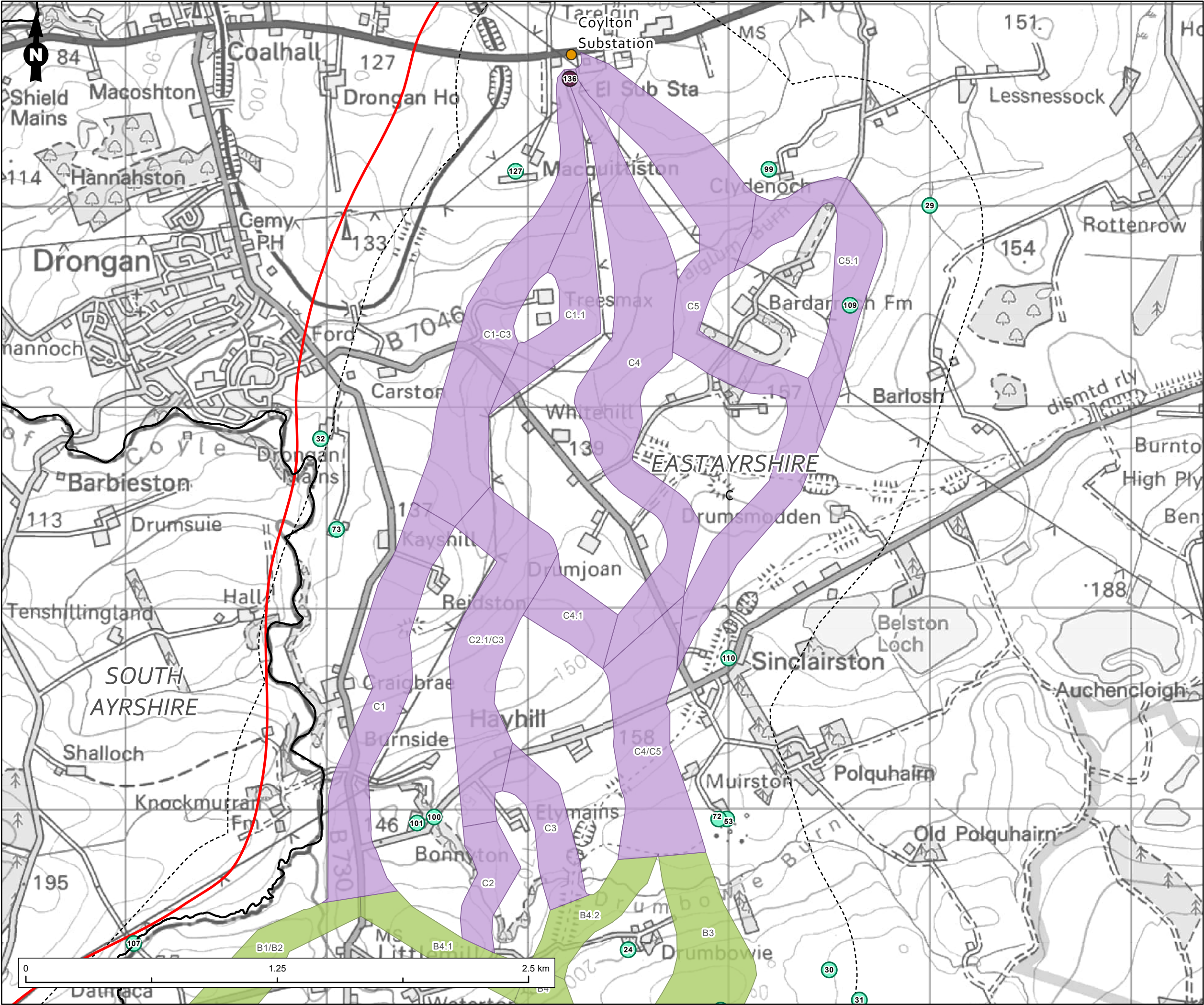
Scale

1:26,000 @A3

Client

SP Energy Networks

1620016911-RAM-MA-IA-00014_Fig3.7NonDesHeritageAssetswithin500m_05.pag



Legend

Site Boundary

Coylton Substation

Council Boundary

Route Option

Route Option - B

Route Option - C

Proposed Route Options - 500 m Buffer

Heritage Asset

Event

Non-designated Heritage Asset

Figure Title

Non-Designated Heritage Assets within 500 m of Route Options: C

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.7d

Revision

1.0

Prepared By

SR

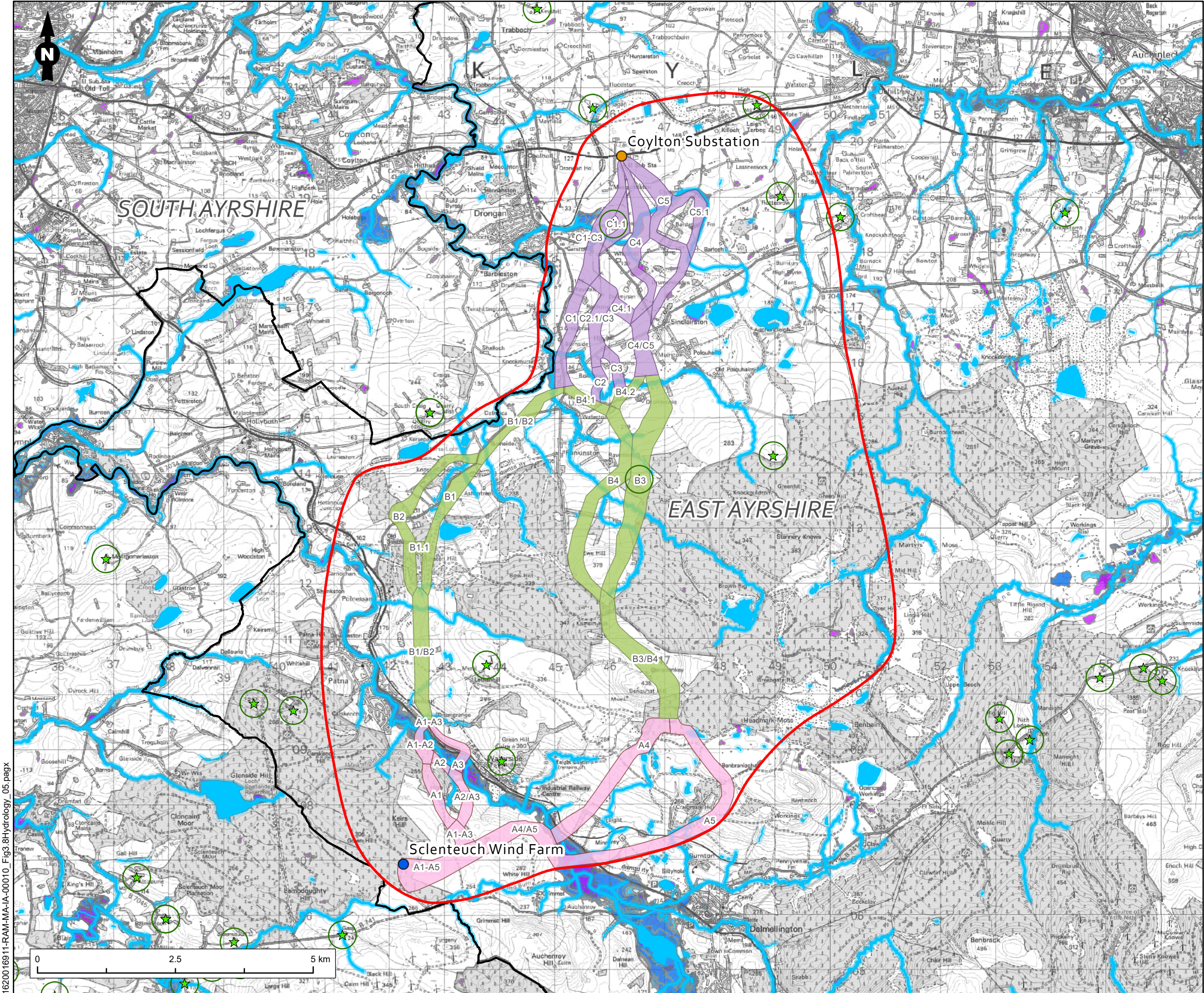
Scale

1:18,000 @A3

Client

SP Energy Networks

RANBOLL



Legend

Site Boundary

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Private Water Supply

Private Water Supply (250 m Buffer)

Watercourse

Waterbody

Watercourse/body 50 m Buffer

Medium Likelihood - Each year this area has a 0.5% chance of flooding

River Flooding

High Likelihood - Each year this area has a 10% chance of flooding

Medium Likelihood - Each year this area has a 0.5% chance of flooding

Low Likelihood - Each year this area has a 0.1% chance of flooding

Figure Title

Hydrology

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.8

Revision

1.0

Prepared By

SR

Scale

1:65,000 @A3

Client

SP Energy Networks

RAMBOLL

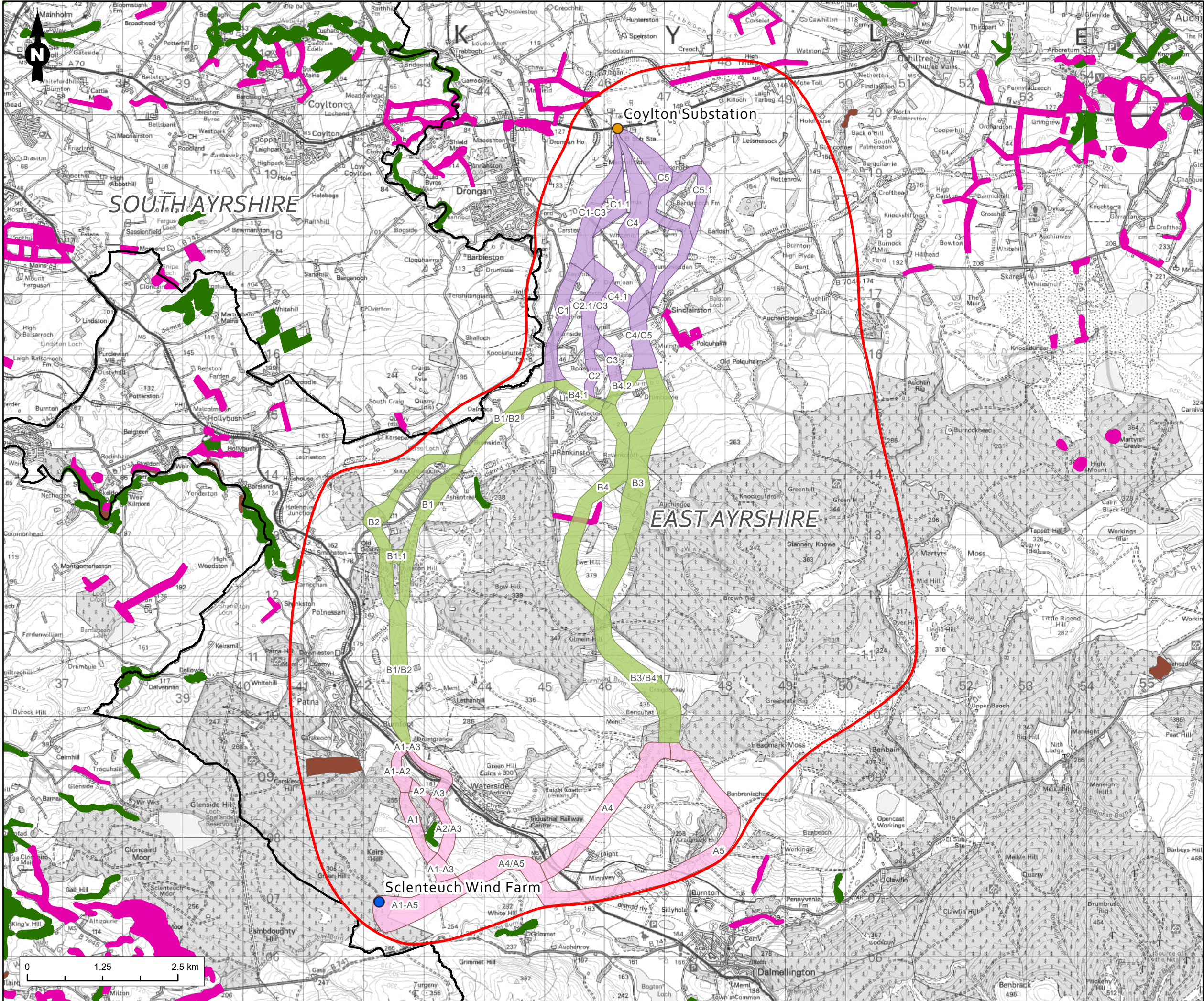
1620016911-RAM-MA-IA-00010_Fig3.8Hydrology_05.pag

© Crown copyright 2024 OS 100040631

© Crown copyright and database rights [2024] Ordnance Survey AC0000808122.

Coordinate System: British National Grid. Projection: Transverse Mercator. Datum: OSGB 1936.

1620016911-RAM-MA-IA-00023_Fig.9AncientWoodlandInventory_05.pag



Legend

Site Boundary

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Ancient Woodland Inventory

Ancient (of semi-natural origin)

Long-Established (of plantation origin)

Other (on Roy map)

Figure Title

Ancient Woodland Inventory Scotland

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.9

Revision

1.0

Prepared By

SR

Scale

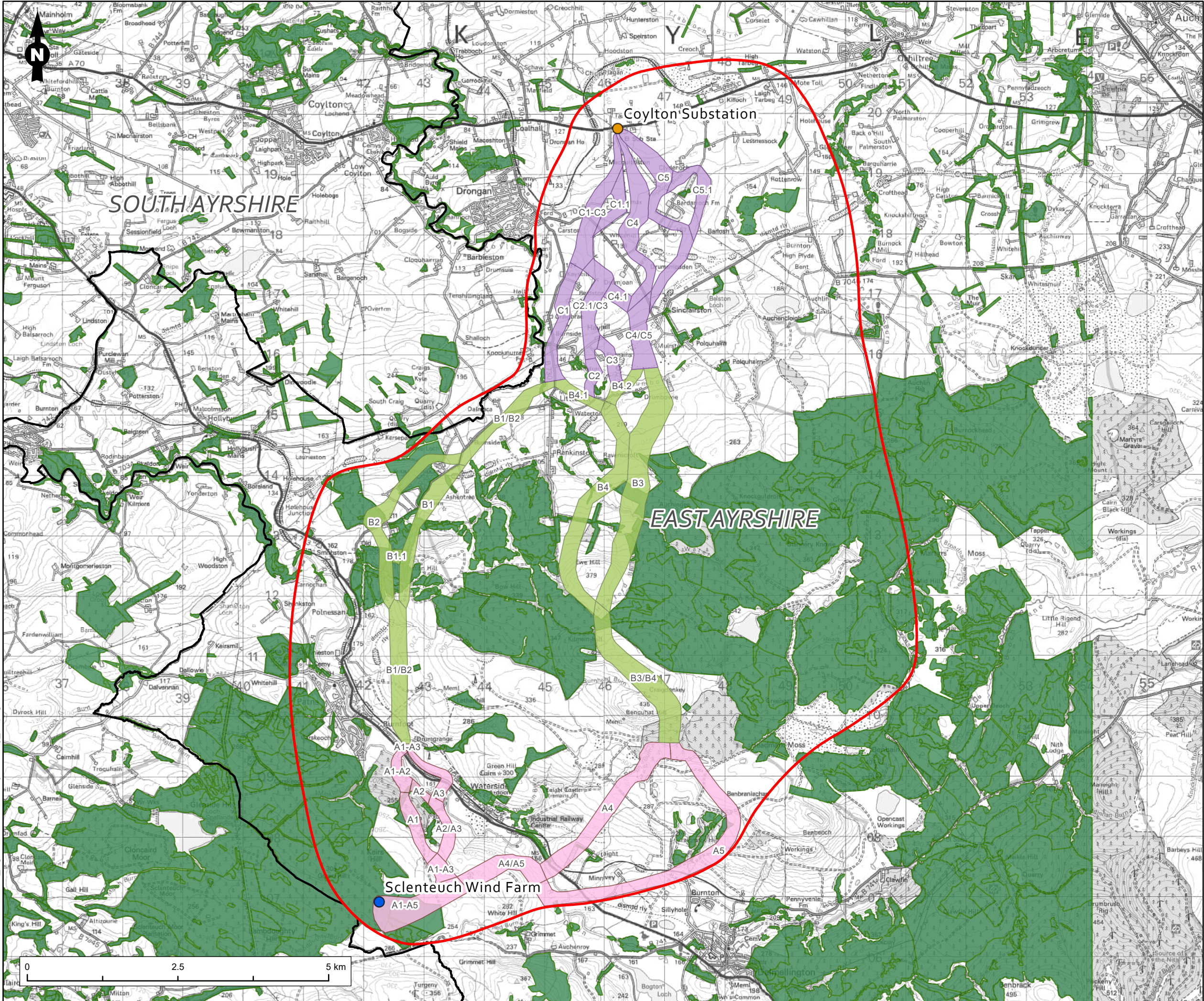
1:60,000 @A3

Client

SP Energy Networks



1620016911-RAM-MA-IA-00024_Fig3.10NationalForestryInventory_05.pag



Site Boundary

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

National Forestry Inventory

Figure Title

National Forestry Inventory

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.10

Revision

1.0

Prepared By

SR

Scale

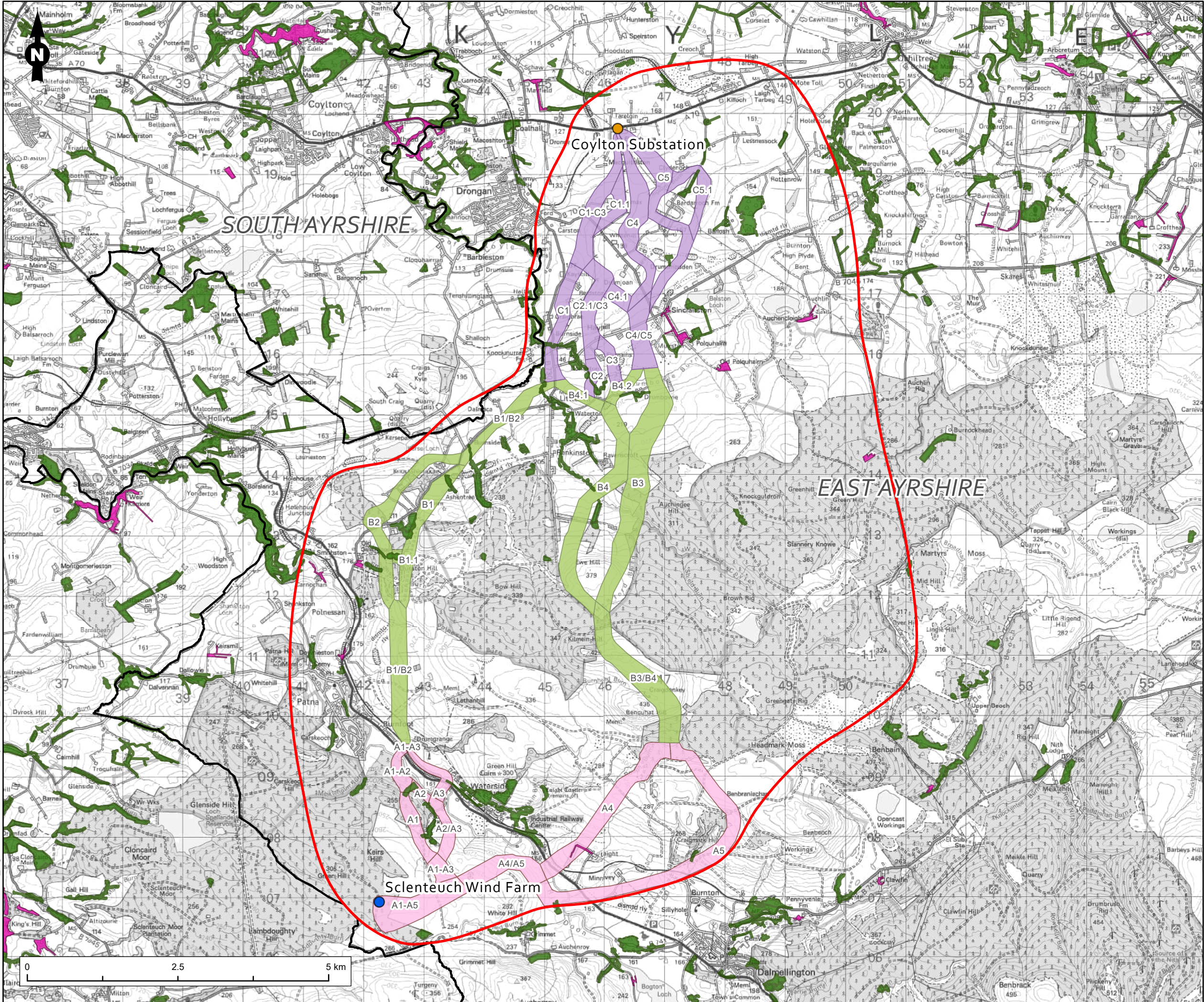
1:60,000 @A3

Client

SP Energy Networks

RAMBOLL

1620016911-RAM-MA-IA-00025_Fig3.11NativeWoodlandSurveyofScotland_05.pagx



Legend

Site Boundary

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Native Woodland Survey of Scotland

Native woodland

Nearly-native woodland

Figure Title

Native Woodland Survey of Scotland

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fility ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.11

Revision

1.0

Prepared By

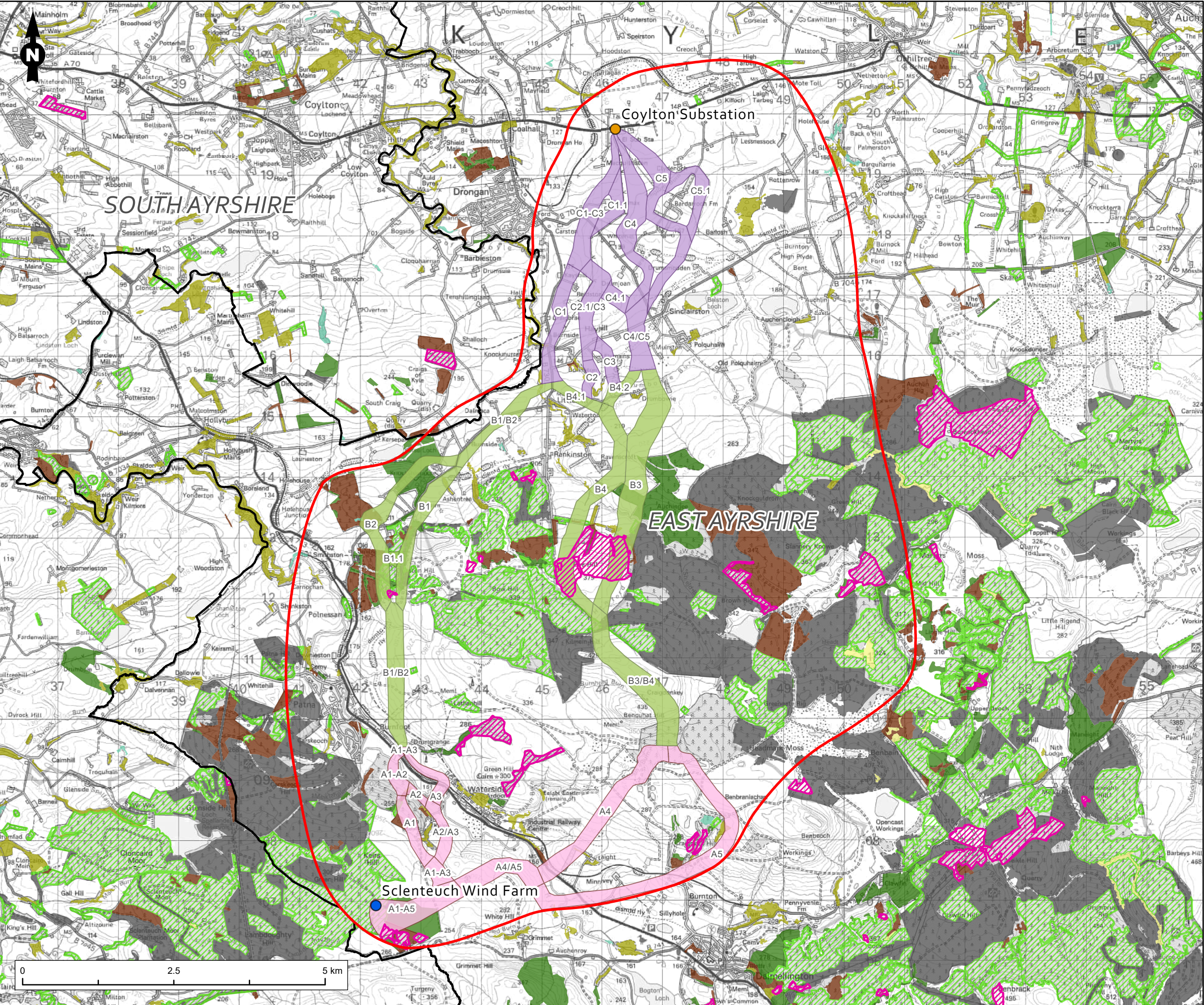
SR

Scale

1:60,000 @A3

Client

1620016911-RAM-MA-IA-00026_Fig3.12ForestryBaselinePlan_05.pag



Site Boundary

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Woodland Creation

National Forestry Inventory Woodland

Assumed woodland

Broadleaved

Conifer

Felled

Ground prep

Other vegetation

Shrub

Young trees

Figure Title

Forestry Baseline Plan

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.12

Revision

1.0

Prepared By

SR

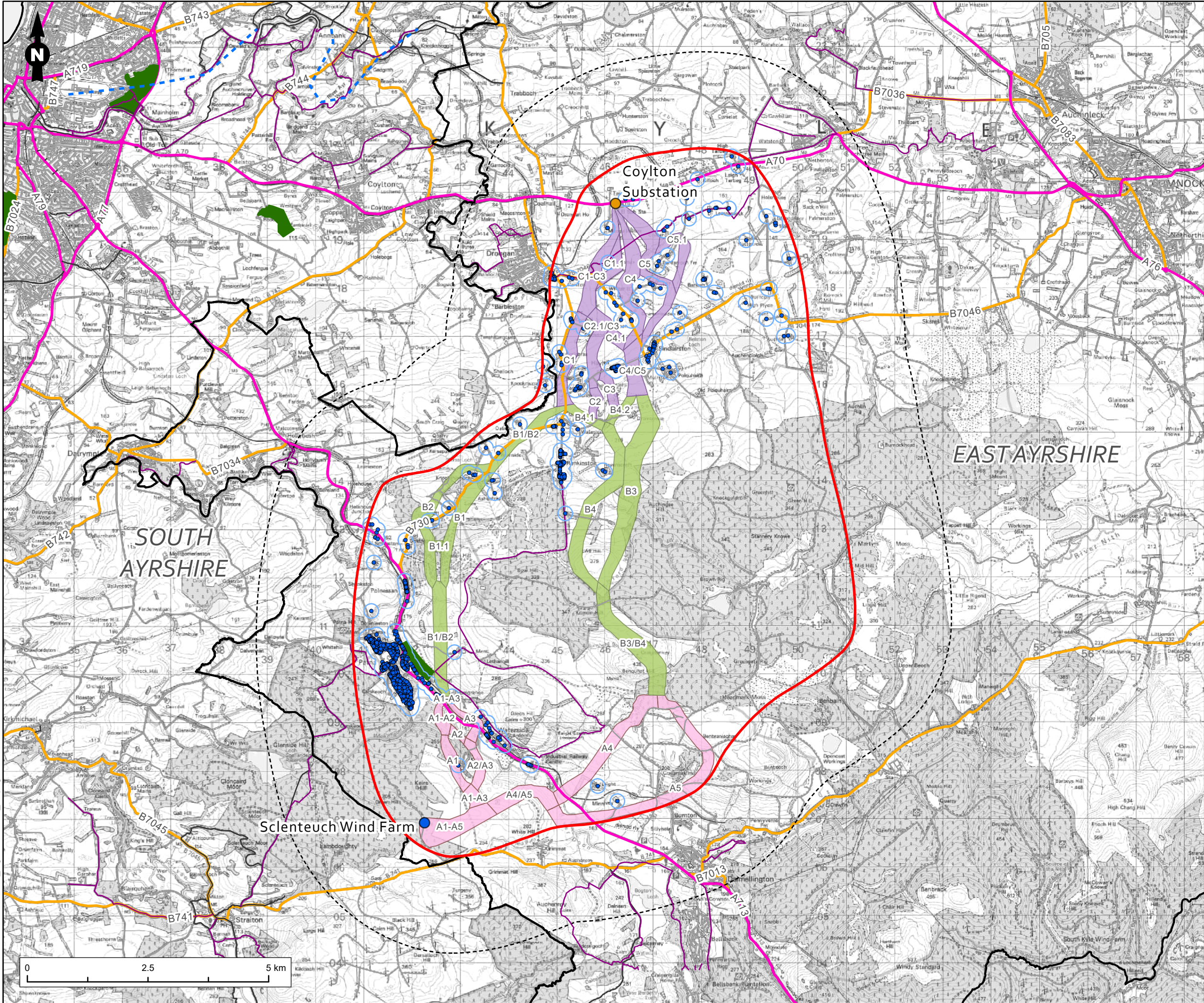
Scale

1:60,000 @A3

Client

SP Energy Networks

RAMBOLL



Site Boundary

2 km Study Area Buffer

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Residential Receptor

Residential Trigger

A Road

B Road

Minor Road

Scotland's Great Trails

Core Paths

Footpaths - South Ayrshire

Golf Courses

Figure Title

Tourism & Recreation

Project Name

Scienteuch 132 kV Grid Connection

Project No./Filyr ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.13

Revision

1.0

Prepared By

SR

Scale

1:75,000 @A3

Client

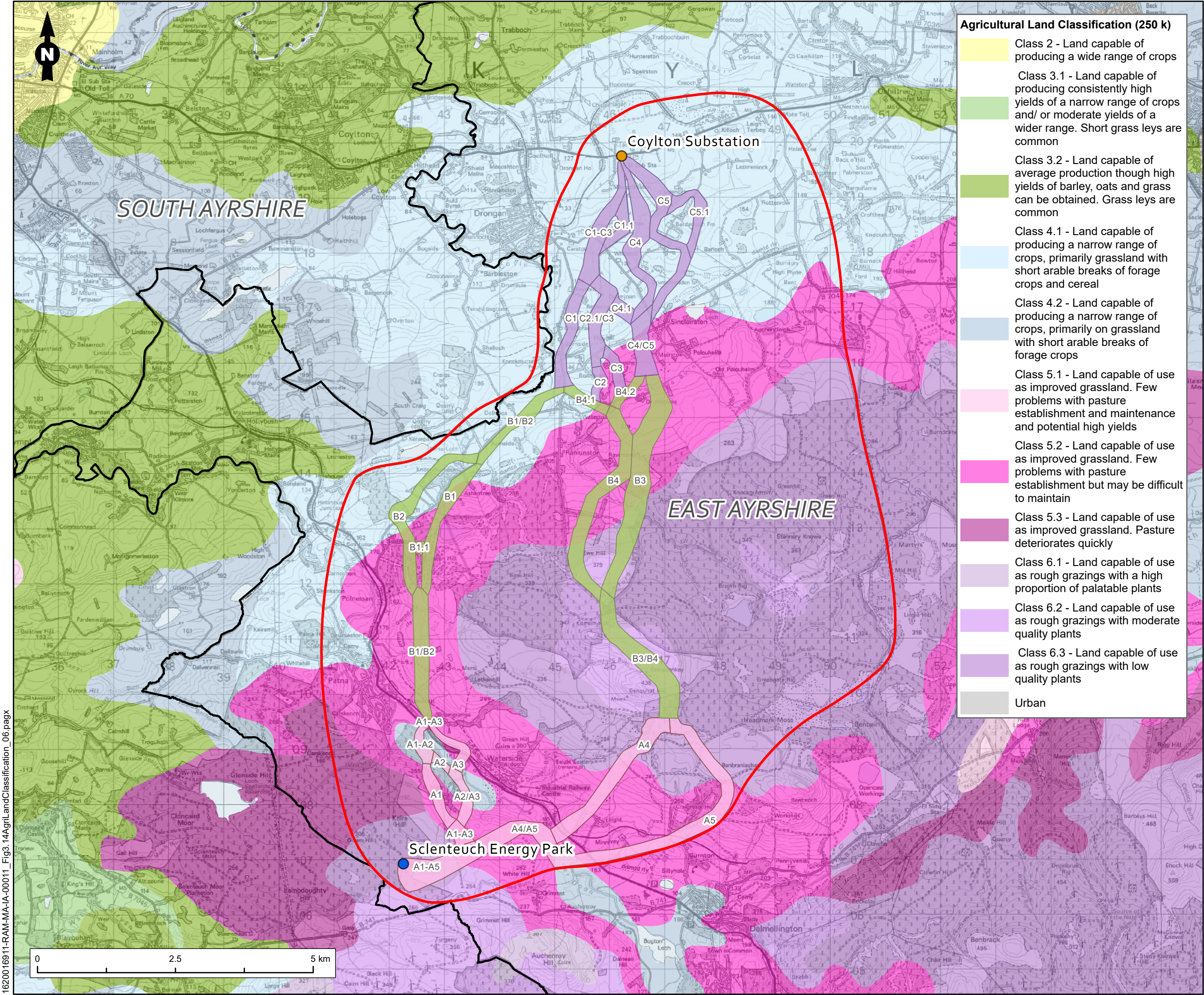
SP Energy Networks

RAMBOLL

1620016911-RAM-MA-IA-00018_Fig3.13Tourism_05.pdpx

© Crown copyright 2024 OS 100040631.
© Crown copyright and database rights [2024] Ordnance Survey AC0000808122.

Coordinate System: British National Grid. Projection: Transverse Mercator. Datum: OSGB 1936.



Agricultural Land Classification (250 k)

- 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. Short grass leys are common
- Class 3.2 - Land capable of average production though high yields of barley, oats and grass can be obtained. Grass leys are common
- Class 4.1 - Land capable of producing a narrow range of crops, primarily grassland with short arable breaks of forage crops and cereal
- Class 4.2 - Land capable of producing a narrow range of crops, primarily on grassland with short arable breaks of forage crops
- Class 5.1 - Land capable of use as improved grassland. Few problems with pasture establishment and maintenance and potential high yields
- Class 5.2 - Land capable of use as improved grassland. Few problems with pasture establishment but may be difficult to maintain
- Class 5.3 - Land capable of use as improved grassland. Pasture deteriorates quickly
- Class 6.1 - Land capable of use as rough grazings with a high proportion of palatable plants
- Class 6.2 - Land capable of use as rough grazings with moderate quality plants
- Class 6.3 - Land capable of use as rough grazings with low quality plants
- Urban

Legend

- Site Boundary
- Scienteuch Wind Farm
- Coylton Substation
- Council Boundary
- Route Option - A
- Route Option - B
- Route Option - C

Figure Title
Agricultural Land Classification

Project Name
Scienteuch Wind Farm Connection

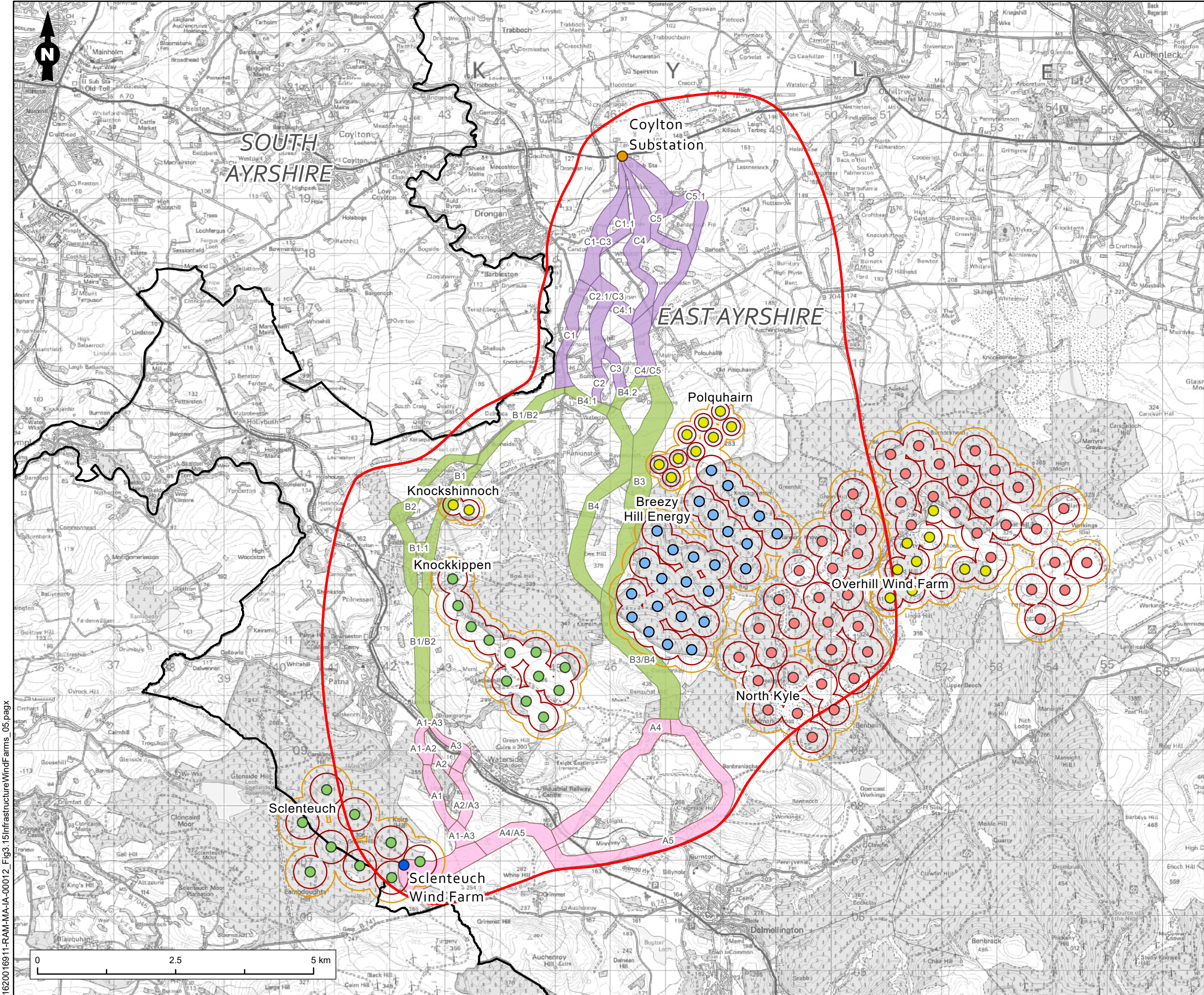
Project No./Filyr ID
1620016911 / REH2024N01751

Date April 2025	Figure No. 3.14	Revision 1.0
--------------------	--------------------	-----------------

Prepared By SR	Scale 1:65,000 @A3
-------------------	-----------------------

Client
SP Energy Networks

RAMBOLL



Legend

Site Boundary

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Cumulative Wind Farm Buffers

x 2 Rotor Diameter

x 3 Rotor Diameter

Figure Title

Infrastructure: Wind Farms

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.15

Revision

1.0

Prepared By

SR

Scale

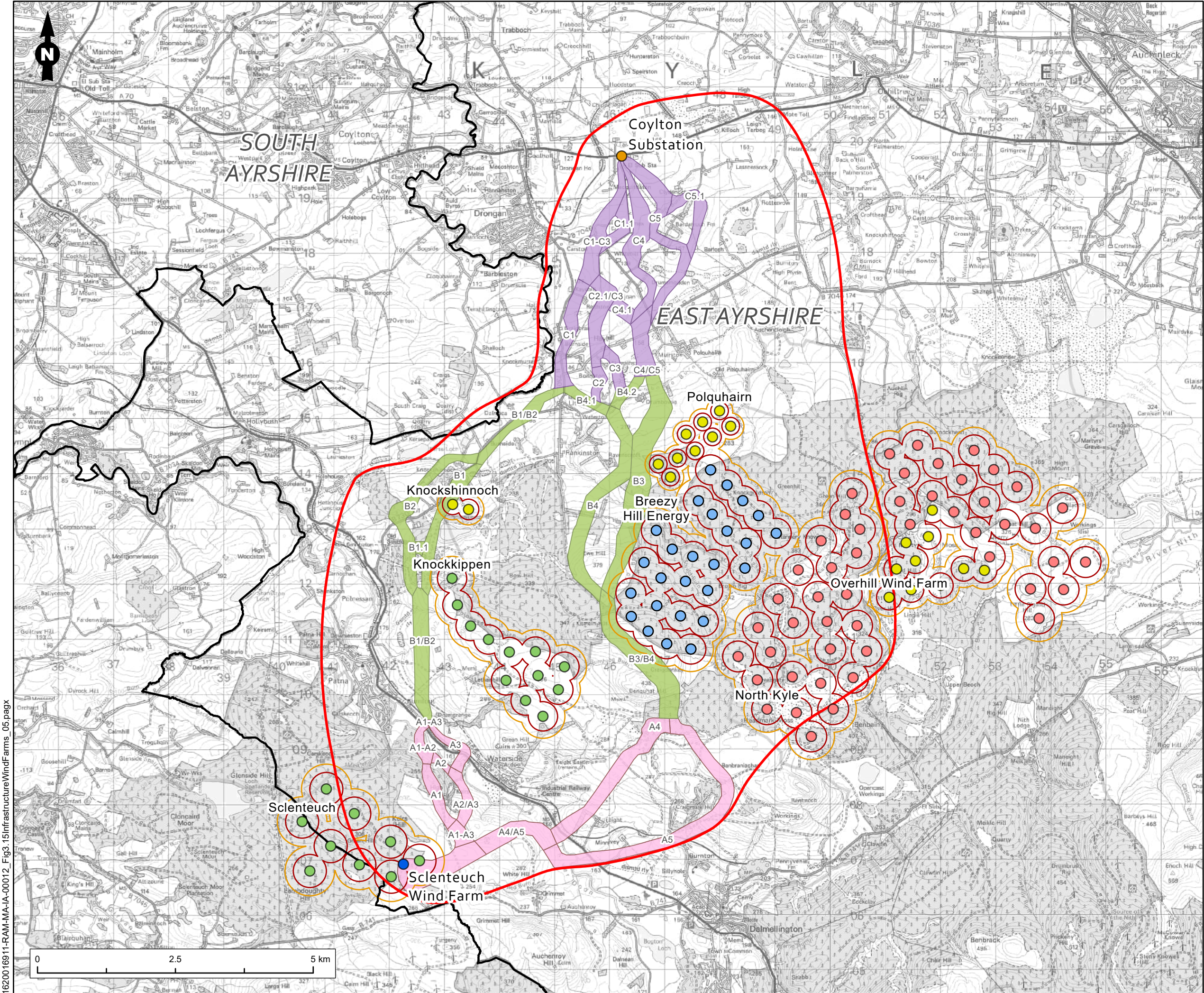
1:65,000 @A3

Client

SP Energy Networks



1620016911-RAM-MA-IA-00012_Fig.15 Infrastructure Wind Farms_05.paxg



Legend

Site Boundary

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Cumulative Wind Farm Buffers

x 2 Rotor Diameter

x 3 Rotor Diameter

Figure Title

Infrastructure: Wind Farms

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.15

Revision

1.0

Prepared By

SR

Scale

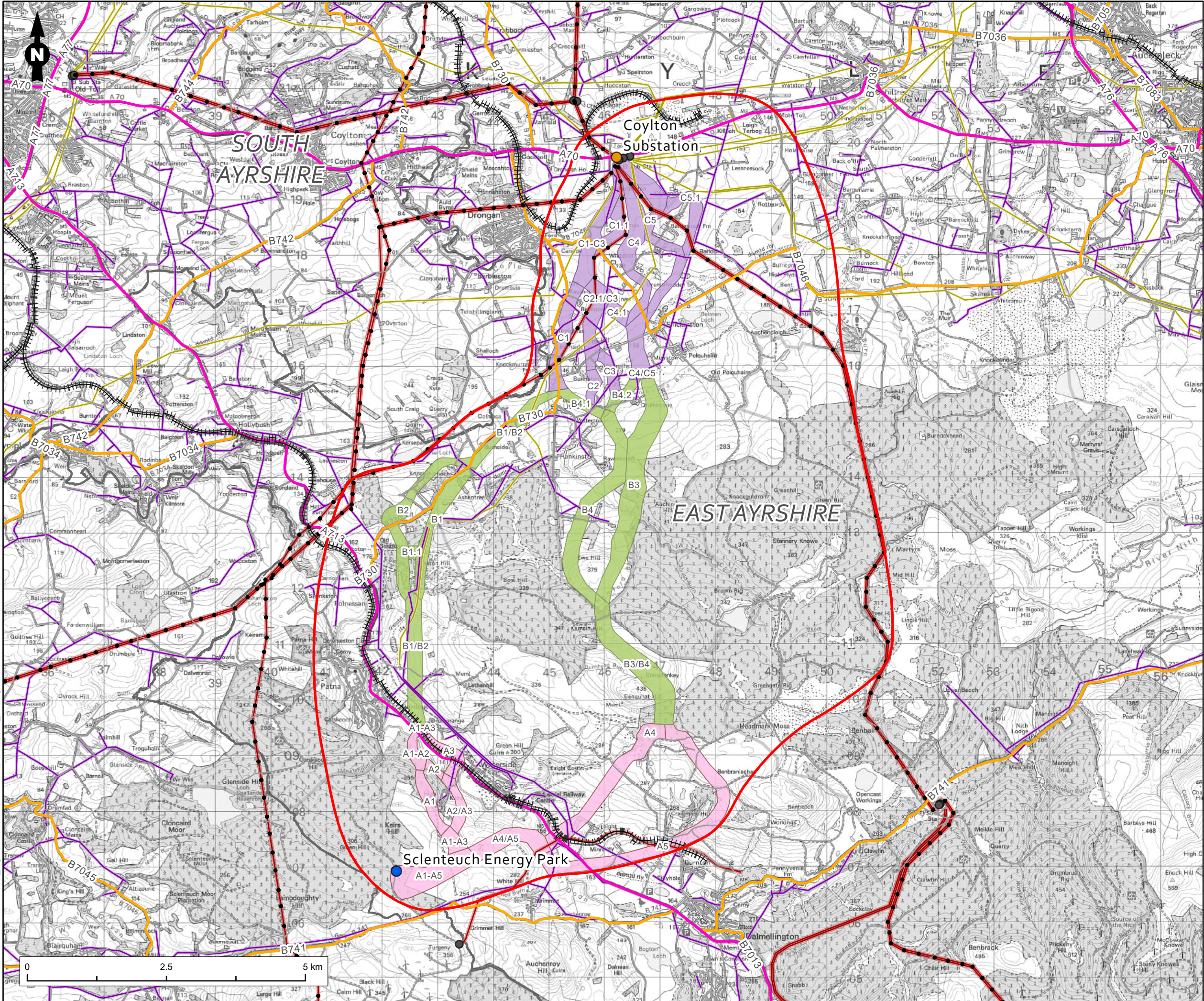
1:65,000 @A3

Client

SP Energy Networks

1620016911-RAM-MA-IA-00012_Fig.15 Infrastructure Wind Farms_05.paxg

1620016911-RAM-MA-IA-00015_Fig.16 Infrastructure Transport&OHLs_07.pagx



Legend

Site Boundary

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Transport

A Road

B Road

Minor Road

Railway

Transmission

Transmission Tower

Substation

Transmission Cable - OHL

Transmission OHL - 35 m buffer

Distribution

11 kv OHL - 25 m Buffer

11 kv - OHL

33 kv OHL - 25 m Buffer

33 kv - OHL

Figure Title

Infrastructure: Transport & Overhead Lines

Project Name

Scienteuch Wind Farm Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

April 2025

Figure No.

3.16

Revision

1.0

Prepared By

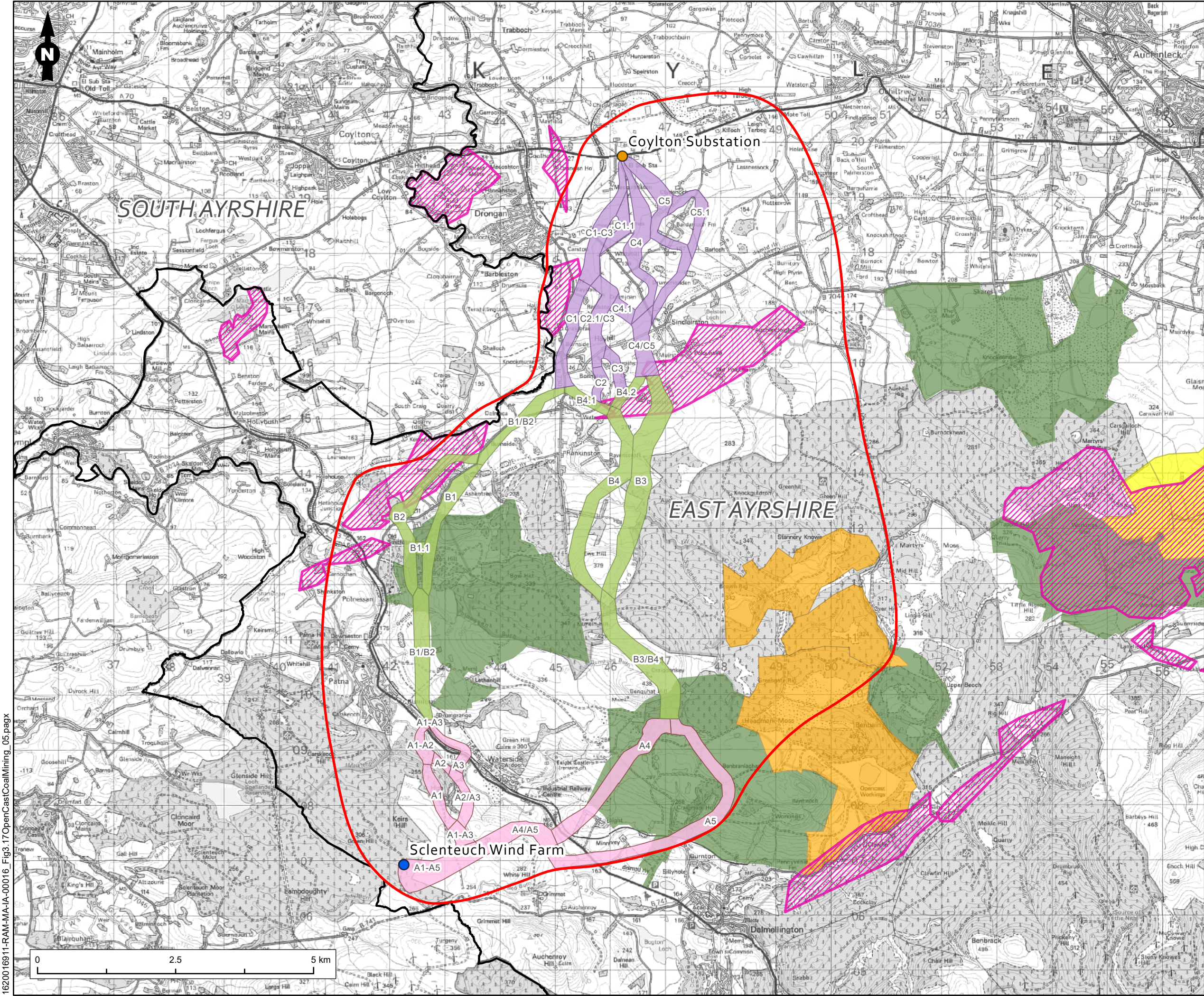
SR

Scale

1:65,000 @A3

Client

RAMBOLL



Legend

Site Boundary

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Coal Restoration Site - Current Operations

Restored Sites

Aftercare

Unrestored

Areas where Coal Mining is Considered to meet Demand in Principle

Figure Title

Mining: Open Cast Coal Mining

Project Name

Scienteuch 132 kV Grid Connection

Project No./Filyr ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.17

Revision

1.0

Prepared By

SR

Scale

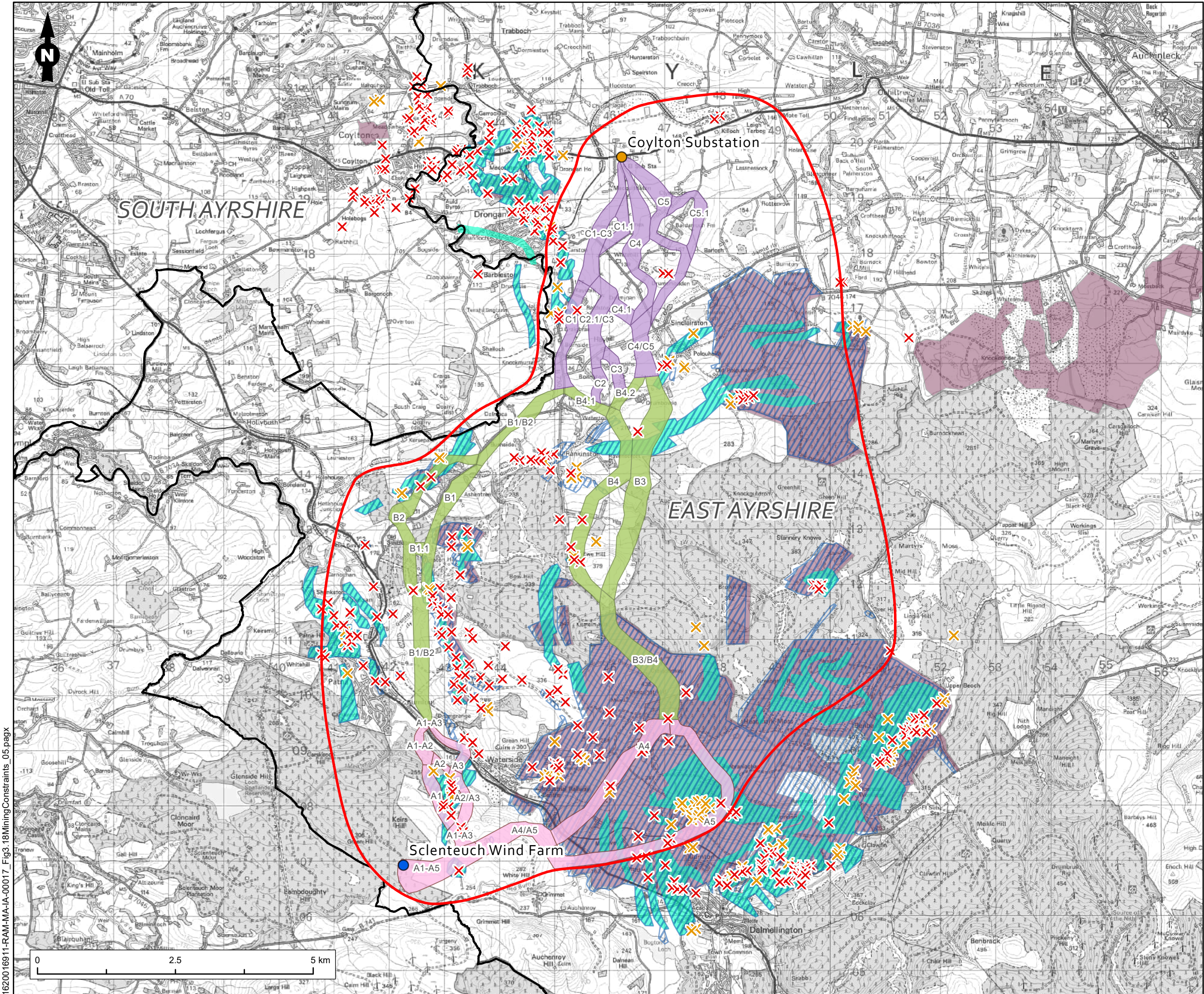
1:65,000 @A3

Client

SP Energy Networks

RAMBOLL

1620016911-RAM-MA-IA-00016_Fig.17 OpenCastCoalMining_05.pagx



Legend

Site Boundary

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Mine Entry (Coal Authority, 2021)

Adit

Shaft

Coal Authority

Development High Risk Area

Surface Mining - Past & Current

Probable Shallow Coal Mining Workings

Figure Title

Mining: Mining Constraints

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

3.18

Revision

1.0

Prepared By

SR

Scale

1:65,000 @A3

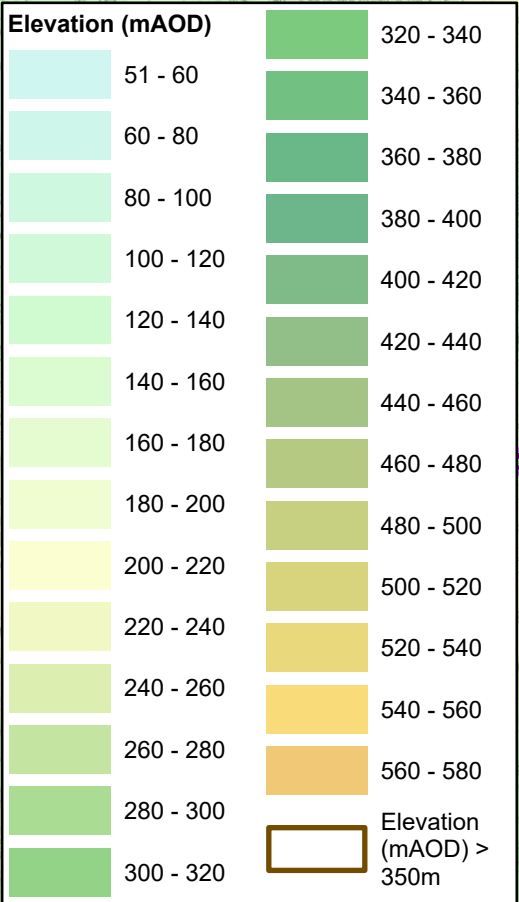
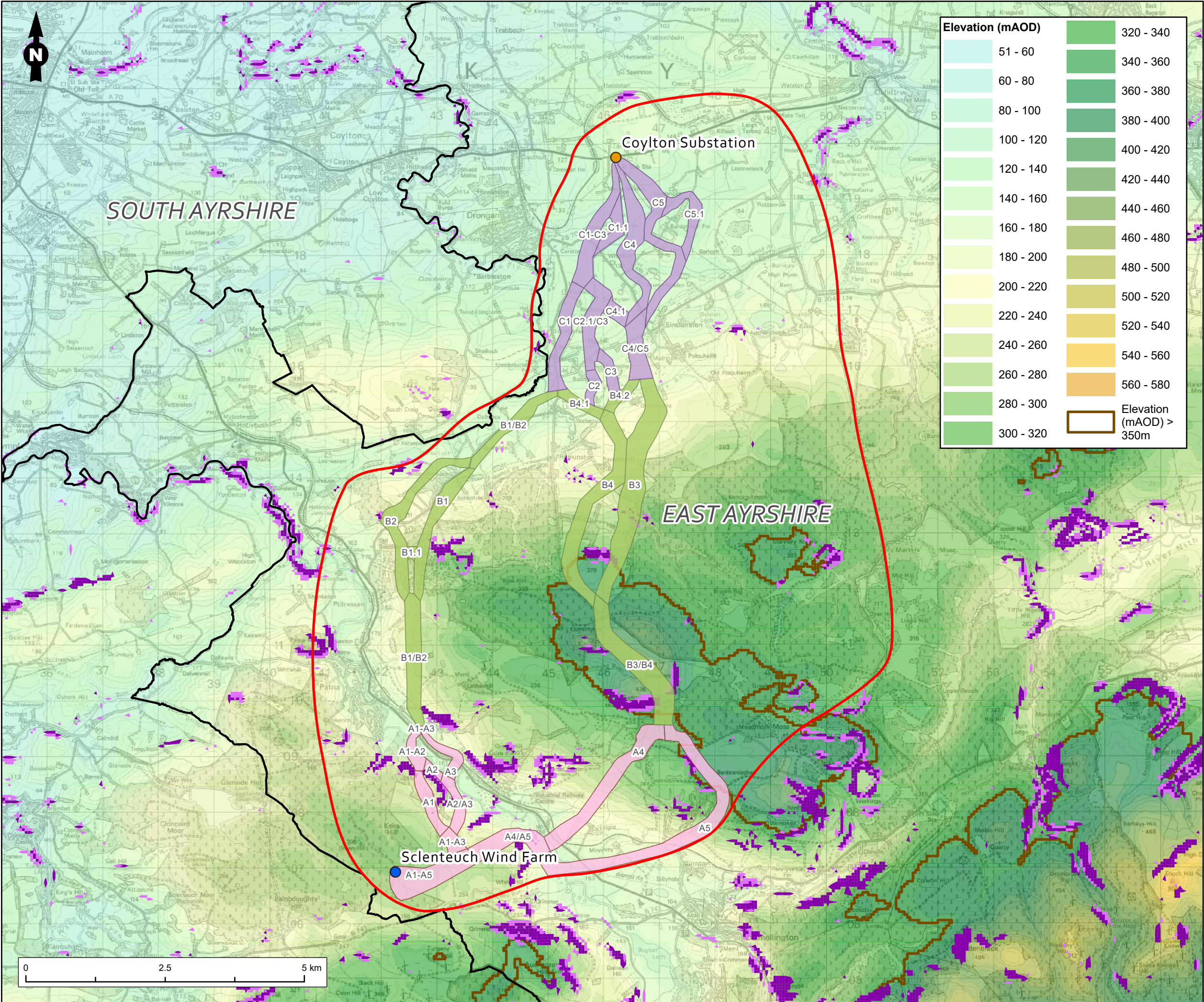
Client

SP Energy Networks

RAMBOLL

1620016911-RAM-MA-IA-00017_Fig3.18MiningConstraints_05.pagx

1620016911-RAM-MA-IA-00009_Fig3.19Topography_05.pagx



Legend

- Site Boundary
- Scienteuch Wind Farm
- Coylton Substation
- Council Boundary
- Route Option**
 - Route Option - A
 - Route Option - B
 - Route Option - C
- Slope Angle (%)**
 - 15 - 22 %
 - Slopes > 22%

Figure Title
Topography

Project Name
Scienteuch 132 kV Grid Connection

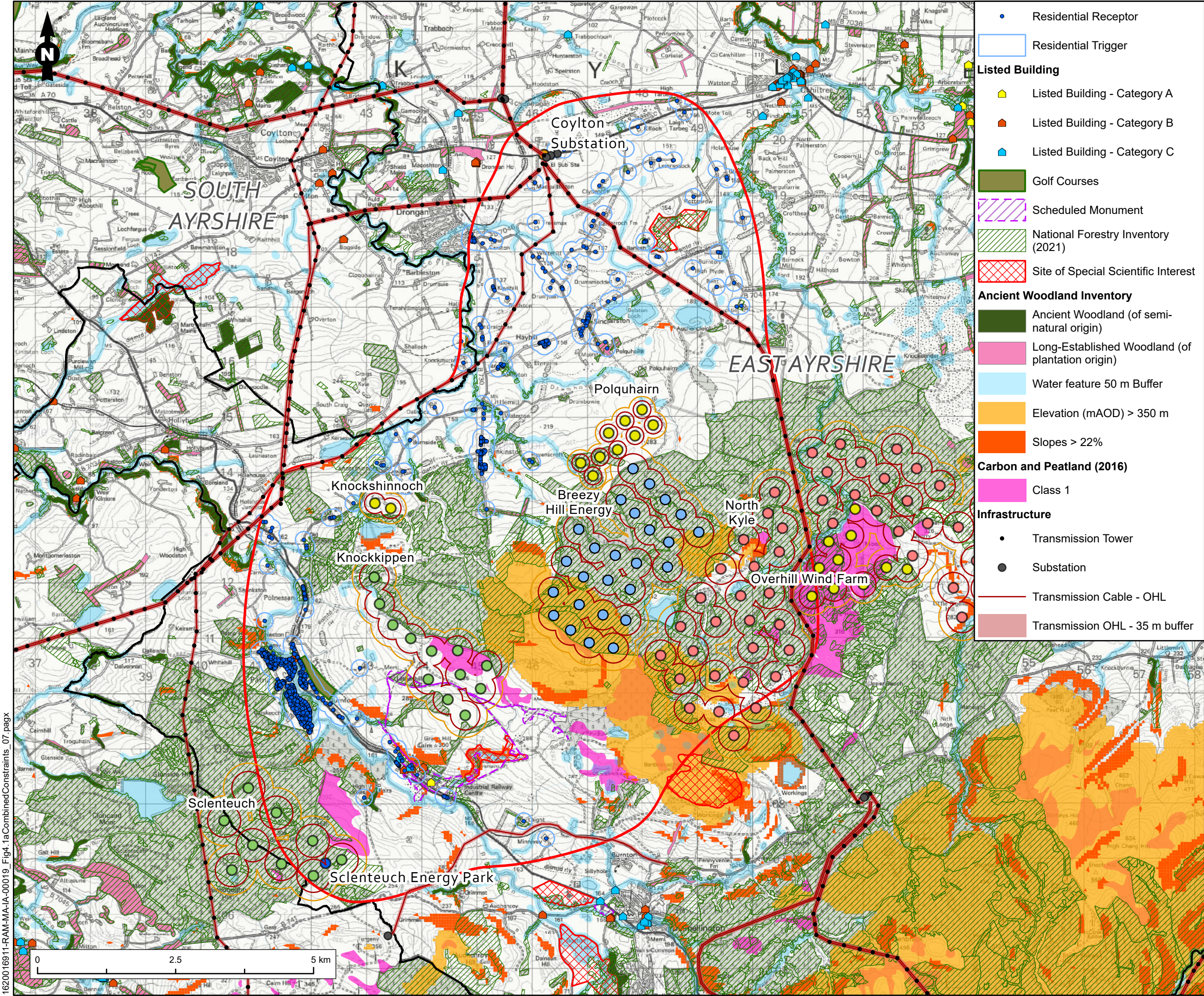
Project No./Fily ID
1620016911 / REH2024N01751

Date	Figure No.	Revision
November 2024	3.19	1.0

Prepared By	Scale
SR	1:65,000 @A3

Client
SP Energy Networks

RAMBOLL

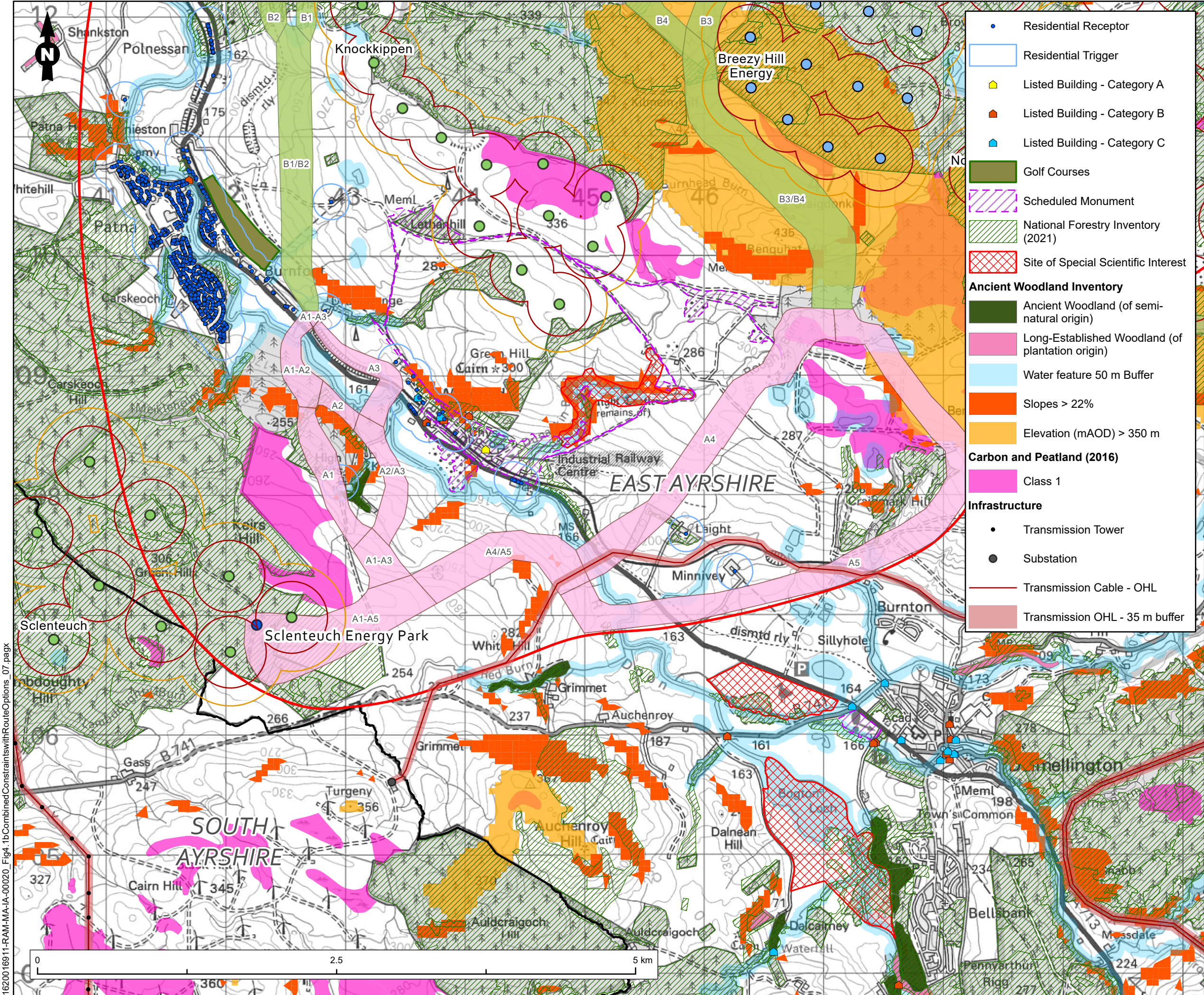


- Residential Receptor
- Residential Trigger
- Listed Building**
 - Listed Building - Category A
 - Listed Building - Category B
 - Listed Building - Category C
- Golf Courses
- Scheduled Monument
- National Forestry Inventory (2021)
- Site of Special Scientific Interest
- Ancient Woodland Inventory**
 - Ancient Woodland (of semi-natural origin)
 - Long-Established Woodland (of plantation origin)
- Water feature 50 m Buffer
- Elevation (mAOD) > 350 m
- Slopes > 22%
- Carbon and Peatland (2016)**
 - Class 1
- Infrastructure**
 - Transmission Tower
 - Substation
 - Transmission Cable - OHL
 - Transmission OHL - 35 m buffer

- Legend**
- Site Boundary
 - Scienteuch Wind Farm
 - Coylton Substation
 - Council Boundary
 - Wind Farm Status**
 - Application
 - Scoping
 - Consented
 - Under Construction
 - Cumulative Wind Farm Buffers**
 - Cumulative Wind Farm x 2 Rotor Diameter
 - Cumulative Wind Farms x 3 Rotor Diameter Buffer

Figure Title		
Combined Constraints		
Project Name		
Scienteuch Wind Farm Connection		
Project No./Filerly ID		
1620016911 / REH2024N01751		
Date	Figure No.	Revision
April 2025	4.1a	1.0
Prepared By	Scale	
SR	1:65,000 @A3	
Client	SP Energy Networks	
RAMBOLL		

1620016911-RAM-MA-IA-00019_Fig4.1aCombinedConstraints_07.pag



Legend

Site Boundary

Scienteuch Wind Farm

Council Boundary

Route Option

Route Option - A

Route Option - B

Wind Farm Status

Application

Scoping

Under Construction

Cumulative Wind Farm Buffers

Cumulative Wind Farms x 2 Rotor Diameter Buffer

Cumulative Wind Farms x 3 Rotor Diameter Buffer

Residential Receptor

Residential Trigger

Listed Building - Category A

Listed Building - Category B

Listed Building - Category C

Golf Courses

Scheduled Monument

National Forestry Inventory (2021)

Site of Special Scientific Interest

Ancient Woodland Inventory

Ancient Woodland (of semi-natural origin)

Long-Established Woodland (of plantation origin)

Water feature 50 m Buffer

Slopes > 22%

Elevation (mAOD) > 350 m

Carbon and Peatland (2016)

Class 1

Infrastructure

Transmission Tower

Substation

Transmission Cable - OHL

Transmission OHL - 35 m buffer

Figure Title

Combined Constraints with Route Options

Project Name

Scienteuch Wind Farm Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

April 2025

Figure No.

4.1b

Revision

1.0

Prepared By

SR

Scale

1:30,000 @A3

Client

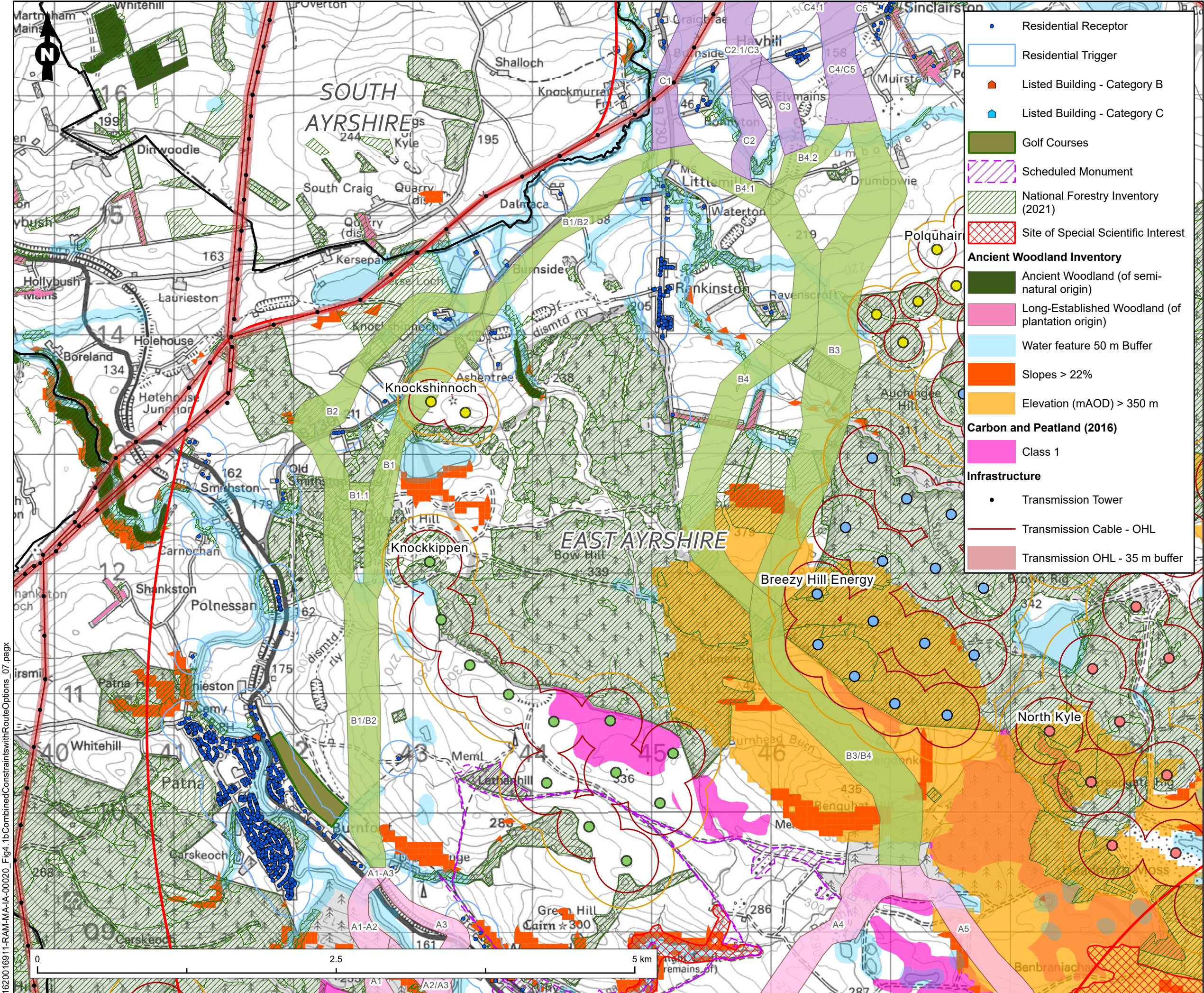
SP Energy Networks

RAMBOLL

© Crown copyright 2025 OS 100040631.

© Crown copyright and database rights [2024] Ordnance Survey AC0000808122.

Coordinate System: British National Grid. Projection: Transverse Mercator. Datum: OSGB 1936.



Legend

- Site Boundary
- Council Boundary
- Route Option**
 - Route Option - A
 - Route Option - B
 - Route Option - C
- Wind Farm Status**
 - Application
 - Scoping
 - Consented
 - Under Construction
- Cumulative Wind Farm Buffers**
 - Cumulative Wind Farms x 2 Rotor Diameter Buffer
 - Cumulative Wind Farms x 3 Rotor Diameter Buffer

- Residential Receptor
- Residential Trigger
- Listed Building - Category B
- Listed Building - Category C
- Golf Courses
- Scheduled Monument
- National Forestry Inventory (2021)
- Site of Special Scientific Interest
- Ancient Woodland Inventory**
 - Ancient Woodland (of semi-natural origin)
 - Long-Established Woodland (of plantation origin)
 - Water feature 50 m Buffer
 - Slopes > 22%
 - Elevation (mAOD) > 350 m
- Carbon and Peatland (2016)**
 - Class 1
- Infrastructure**
 - Transmission Tower
 - Transmission Cable - OHL
 - Transmission OHL - 35 m buffer

Figure Title
Combined Constraints with Route Options

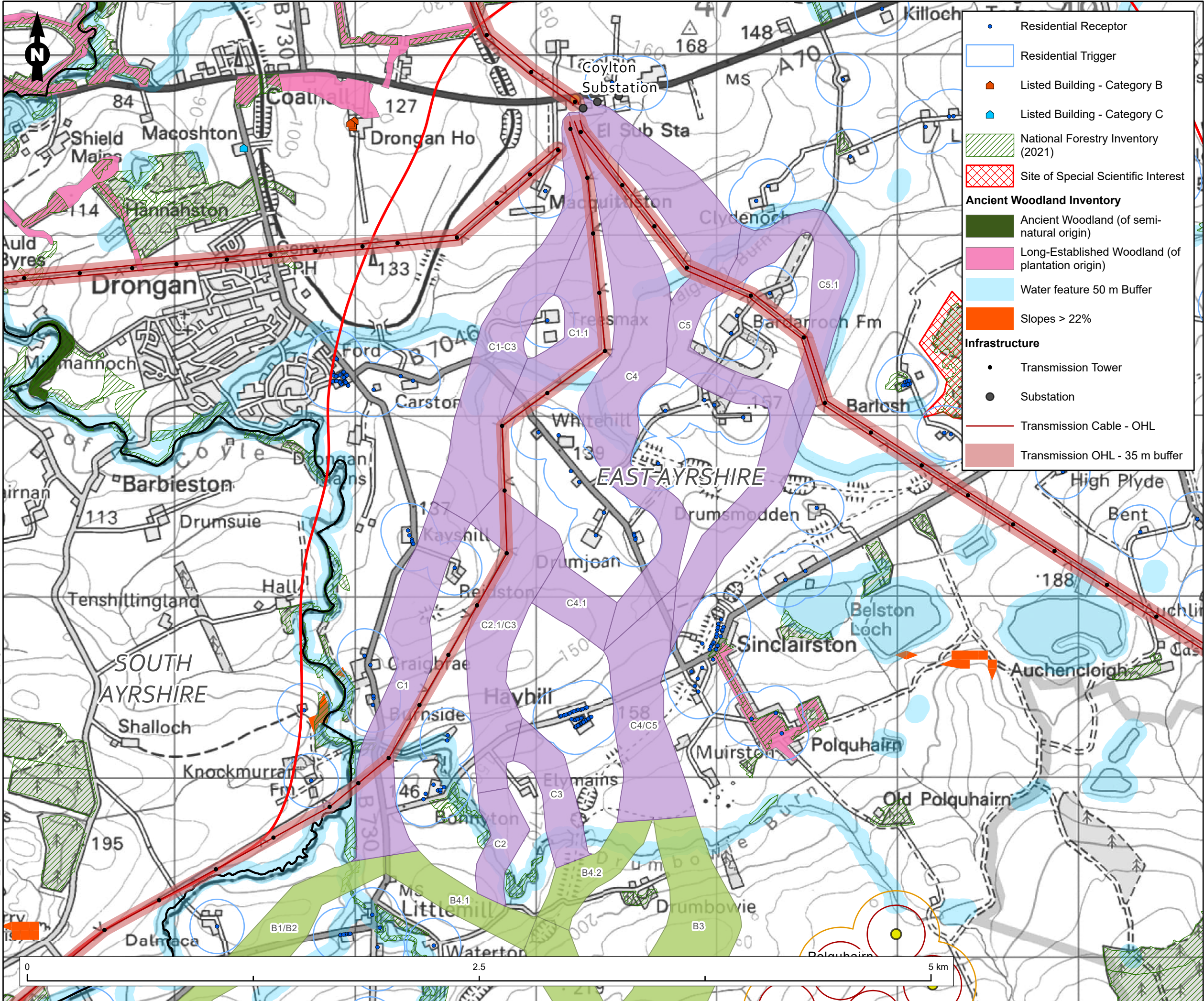
Project Name
Scienteuch Wind Farm Connection

Project No./Fily ID
1620016911 / REH2024N01751

Date April 2025	Figure No. 4.1b	Revision 1.0
Prepared By SR	Scale 1:30,000 @A3	

Client

1620016911-RAM-MA-IA-00020_Fig4.1bCombinedConstraintswithRouteOptions_07.pagx



Legend

- Residential Receptor
- Residential Trigger
- Listed Building - Category B
- Listed Building - Category C
- National Forestry Inventory (2021)
- Site of Special Scientific Interest
- Ancient Woodland Inventory
 - Ancient Woodland (of semi-natural origin)
 - Long-Established Woodland (of plantation origin)
- Water feature 50 m Buffer
- Slopes > 22%
- Infrastructure
 - Transmission Tower
 - Substation
 - Transmission Cable - OHL
 - Transmission OHL - 35 m buffer

Site Boundary

- Coylton Substation
- Council Boundary

Route Option

- Route Option - B
- Route Option - C

Wind Farm Status

- Consented

Cumulative Wind Farm Buffers

- Cumulative Wind Farms x 2 Rotor Diameter Buffer
- Cumulative Wind Farms x 3 Rotor Diameter Buffer

Figure Title

Combined Constraints with Route Options

Project Name

Scienteuch Wind Farm Connection

Project No./Filey ID

1620016911 / REH2024N01751

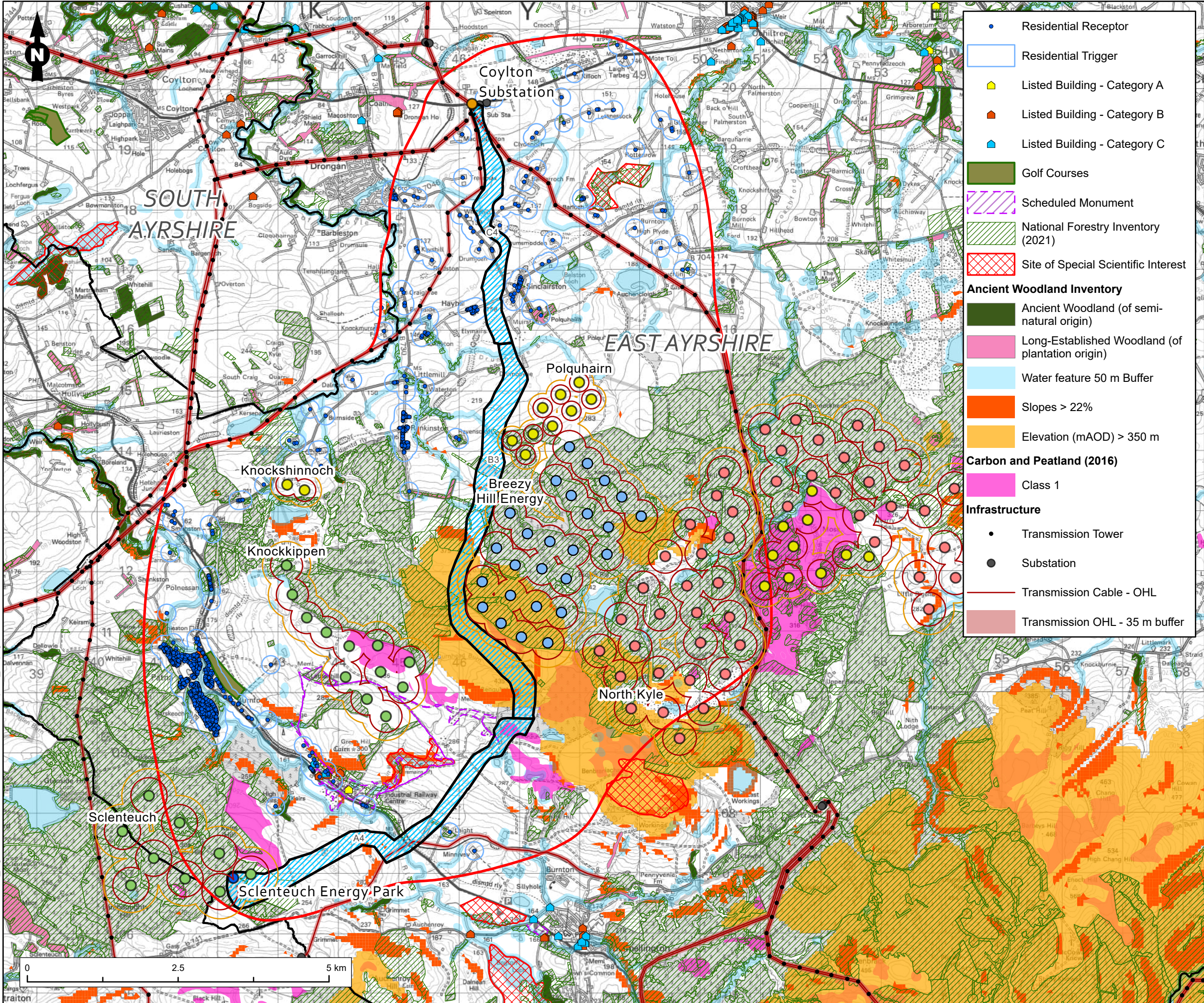
Date April 2025	Figure No. 4.1b	Revision 1.0
-------------------------------	-------------------------------	----------------------------

Prepared By SR	Scale 1:20,000 @A3
------------------------------	----------------------------------

Client

SP Energy Networks

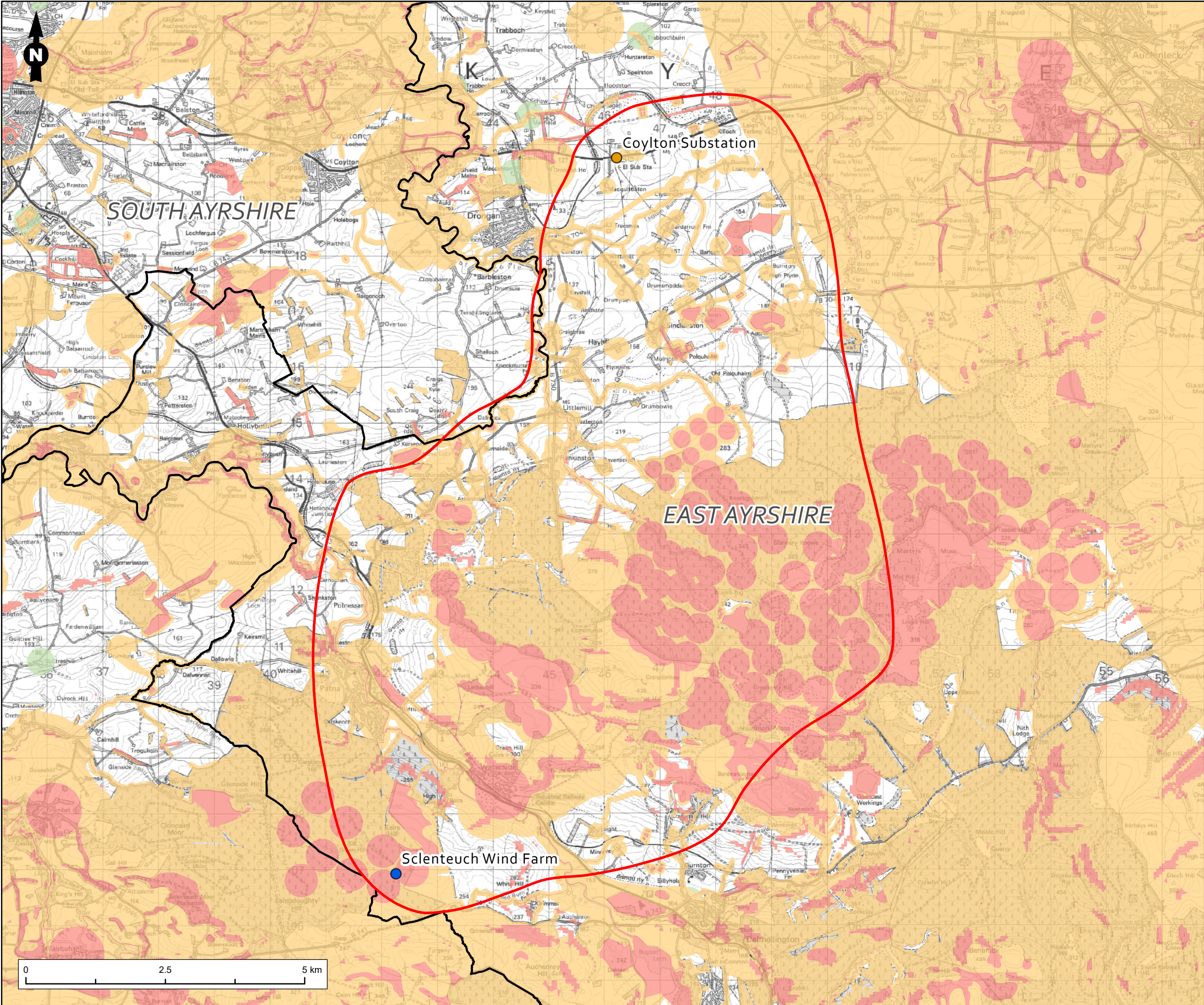
RAMBOLL



- Residential Receptor
- Residential Trigger
- Listed Building - Category A
- Listed Building - Category B
- Listed Building - Category C
- Golf Courses
- Scheduled Monument
- National Forestry Inventory (2021)
- Site of Special Scientific Interest
- Ancient Woodland Inventory**
 - Ancient Woodland (of semi-natural origin)
 - Long-Established Woodland (of plantation origin)
 - Water feature 50 m Buffer
 - Slopes > 22%
 - Elevation (mAOD) > 350 m
- Carbon and Peatland (2016)**
 - Class 1
- Infrastructure**
 - Transmission Tower
 - Substation
 - Transmission Cable - OHL
 - Transmission OHL - 35 m buffer

- Legend**
- Site Boundary
 - Scienteuch Wind Farm
 - Coylton Substation
 - Council Boundary
 - Preferred Route
 - Wind Farm Status**
 - Application
 - Scoping
 - Consented
 - Under Construction
 - Cumulative Wind Farm Buffers**
 - Cumulative Wind Farms x 2 Rotor Diameter Buffer
 - Cumulative Wind Farms x 3 Rotor Diameter Buffer

Figure Title		
Combined Constraints with Preferred Route		
Project Name		
Scienteuch Wind Farm Connection		
Project No./Filyery ID		
1620016911 / REH2024N01751		
Date	Figure No.	Revision
April 2025	4.1c	1
Prepared By	Scale	
SR	1:60,000 @	
Client	 SP Energy Networks	
		



Legend

- Site Boundary
- Scienteuch Wind Farm
- Coylton Substation
- Council Boundary
- Hard Constraint: High potential for the development to be constrained
- Soft Constraint: Intermediate potential for the development to be constrained
- Low Constraint: Low potential for the development to be constrained

Figure Title
Combined Constraint - Sensitivity

Project Name
Scienteuch 132 kV Grid Connection

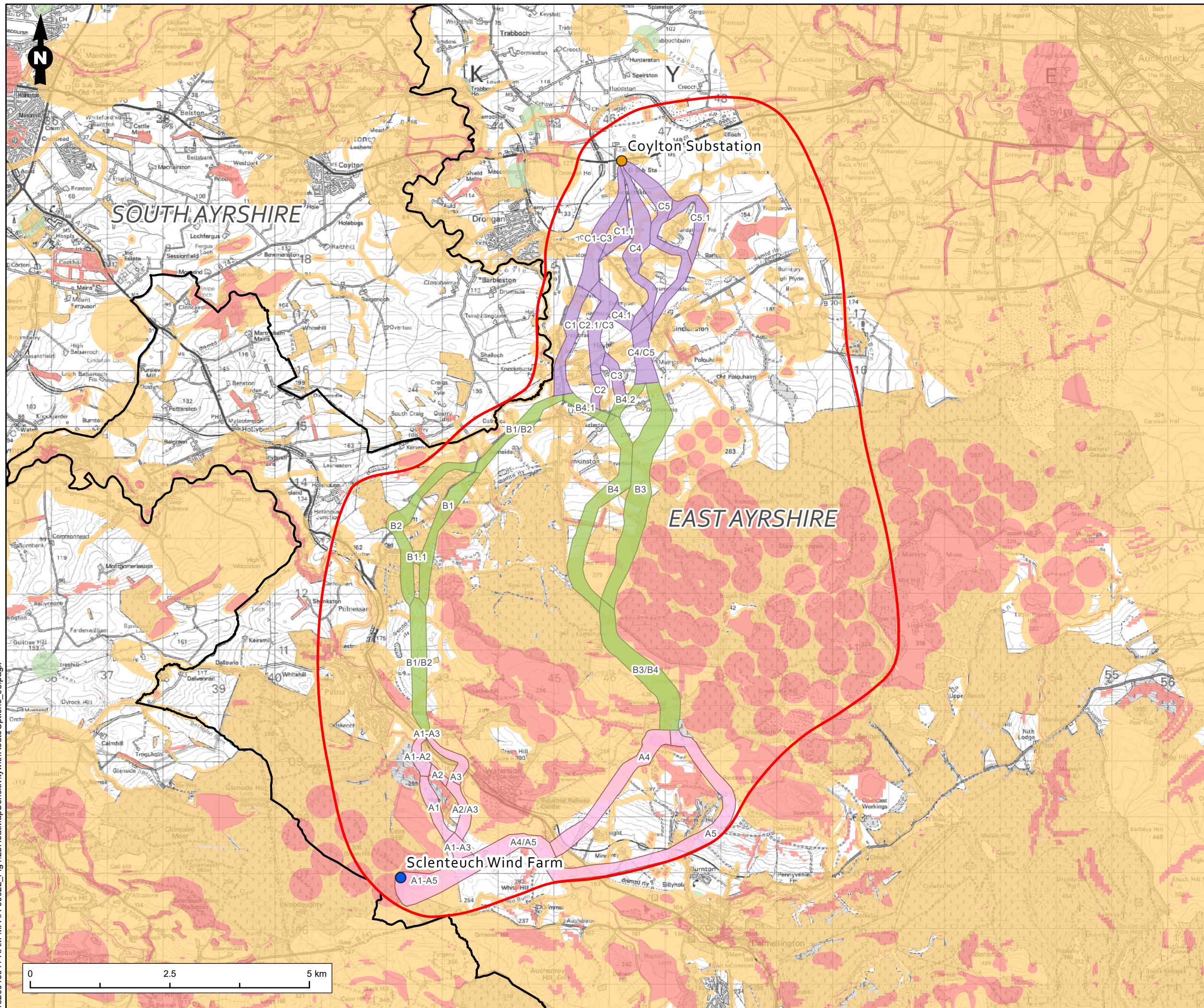
Project No./Filey ID
1620016911 / REH2024N01751

Date	Figure No.	Revision
November 2024	4.2a	1.0

Prepared By	Scale
SR	1:65,000 @A3

Client

1620016911-RAM-MA-IA-00022_Fig4.2bHeatMapSensitivitywithRouteOptions_05.pagx



Legend

Site Boundary

Scienteuch Wind Farm

Coylton Substation

Council Boundary

Route Option

Route Option - A

Route Option - B

Route Option - C

Hard Constraint: High potential for the development to be constrained

Soft Constraint: Intermediate potential for the development to be constrained

Low Constraint: Low potential for the development to be constrained

Figure Title

Combined Constraint - Sensitivity with Route Options

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

4.2b

Revision

1.0

Prepared By

SR

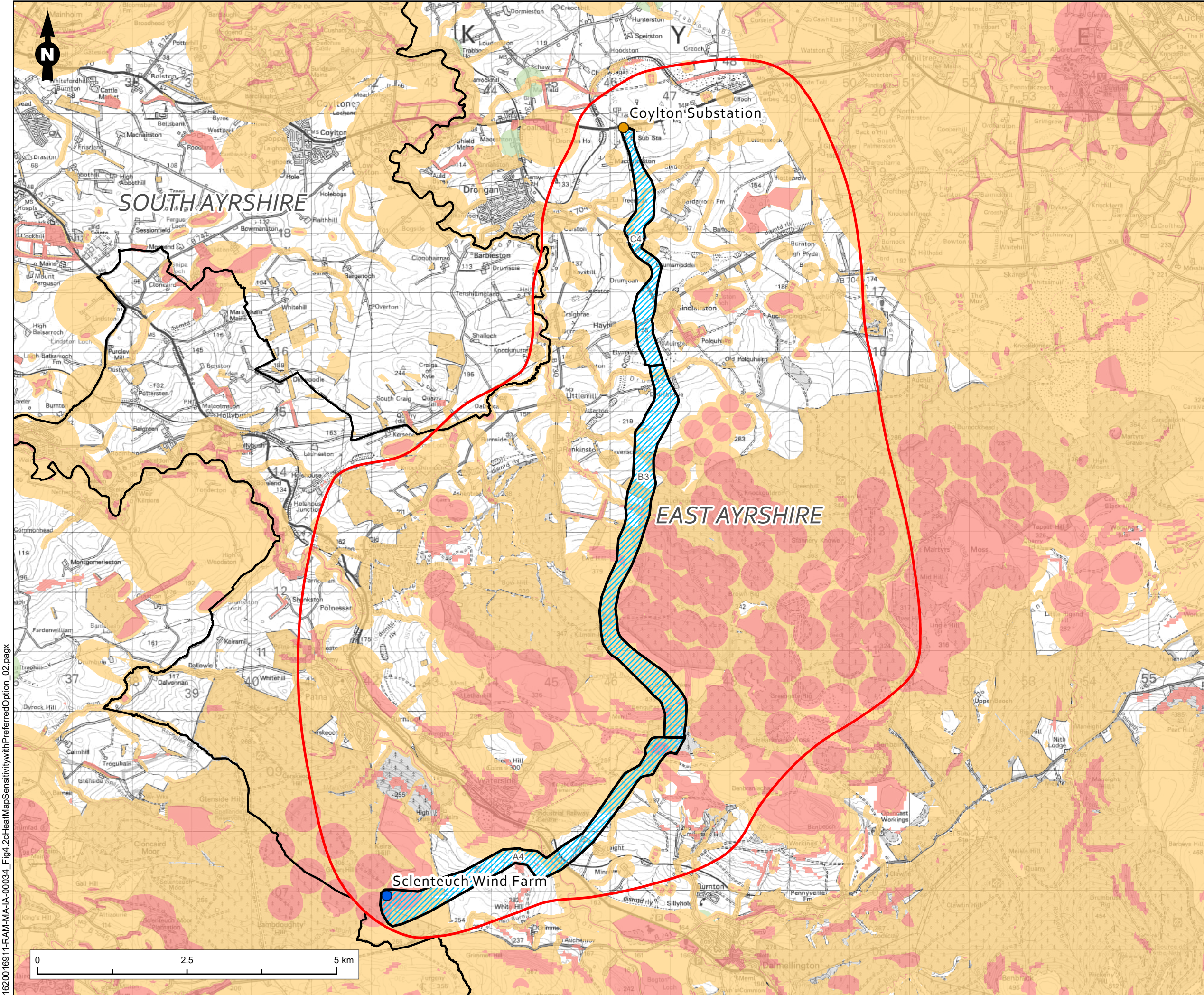
Scale

1:65,000 @A3

Client

SP Energy Networks

RANBOLL



Site Boundary

Scienteuch Wind Farm

Coylton Substation

Preferred Route Alignment

Council Boundary

Hard Constraint: High potential for the development to be constrained

Soft Constraint: Intermediate potential for the development to be constrained

Low Constraint: Low potential for the development to be constrained

Figure Title

Combined Constraint - Sensitivity with Preferred Route Alignment

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date

November 2024

Figure No.

4.2c

Revision

1.0

Prepared By

SR

Scale

1:60,000 @A3

Client

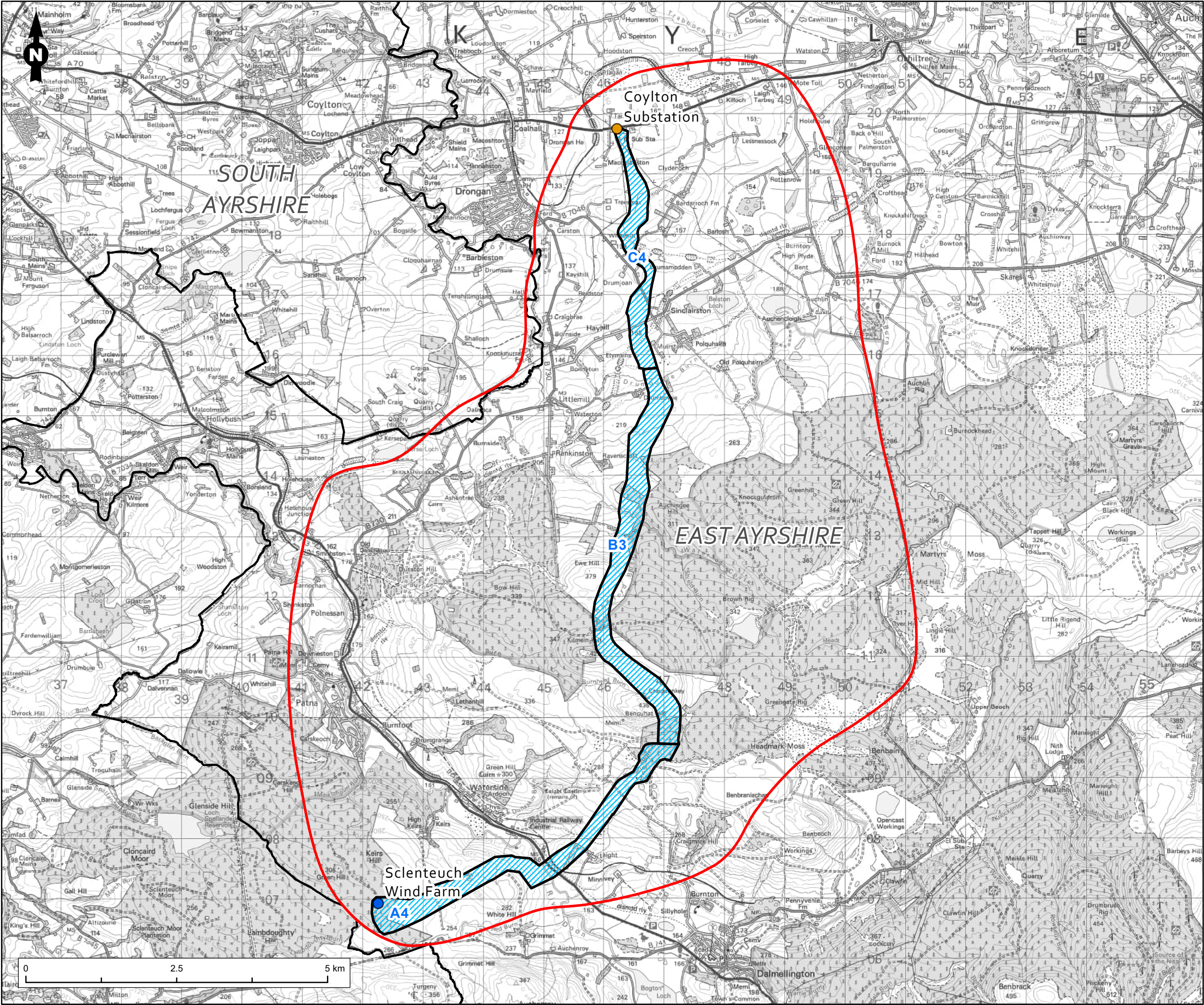
SP Energy Networks

RAMBOLL

1620016911-RAM-MA-IA-00034_Fig 4.2cHeatMapSensitivitywithPreferredOption_02.pag

© Crown copyright 2024 OS 100040631.
© Crown copyright and database rights [2024] Ordnance Survey AC0000808122.

Coordinate System: British National Grid. Projection: Transverse Mercator. Datum: OSGB 1936.



Legend

- Site Boundary
- Scienteuch Wind Farm
- Coylton Substation
- Council Boundary
- Preferred Route Alignment

Figure Title

Preferred Route Alignment

Project Name

Scienteuch 132 kV Grid Connection

Project No./Fily ID

1620016911 / REH2024N01751

Date	Figure No.	Revision
November 2024	4.3	1.0

Prepared By	Scale
SR	1:60,000 @A3

Client