

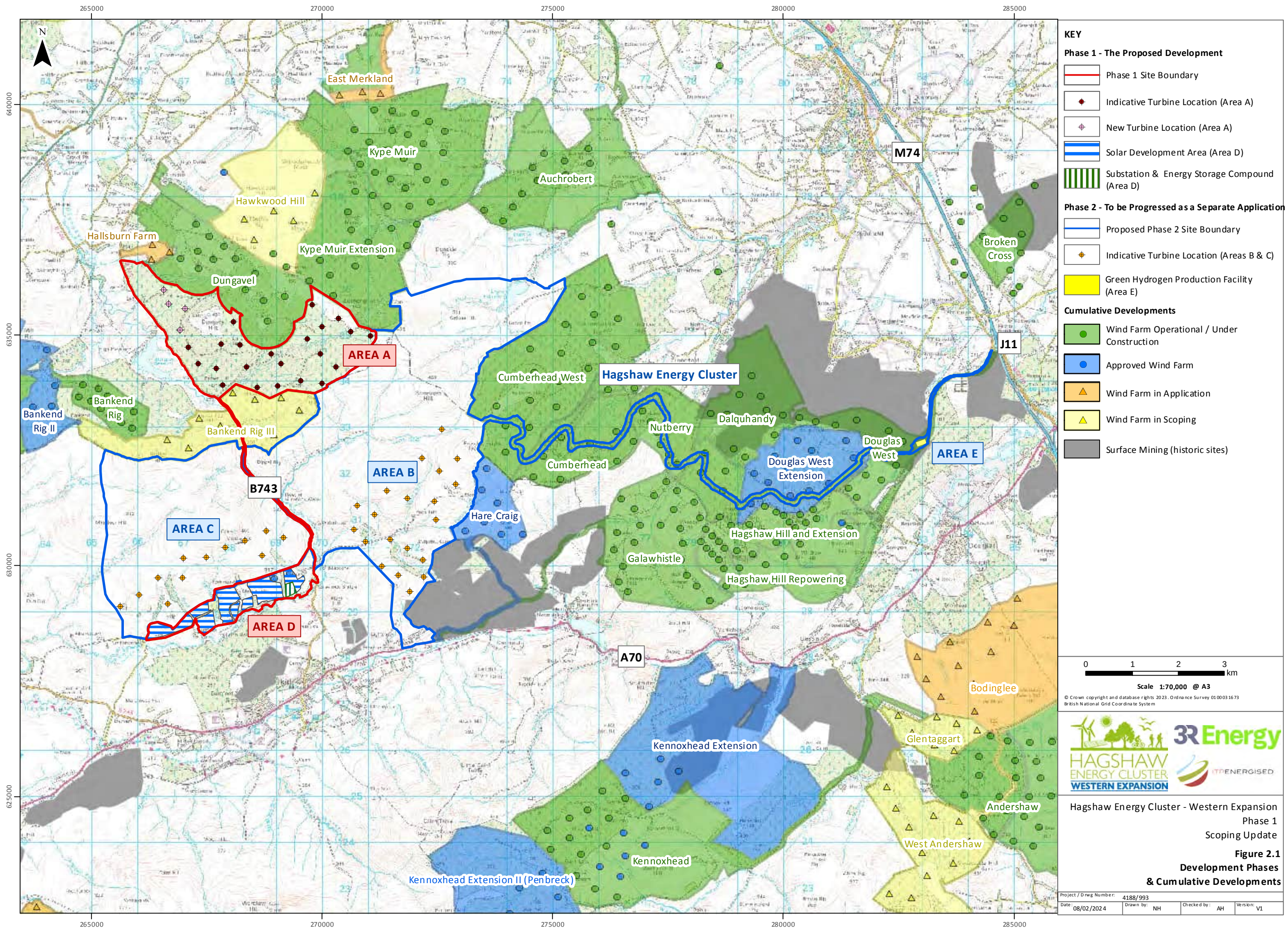
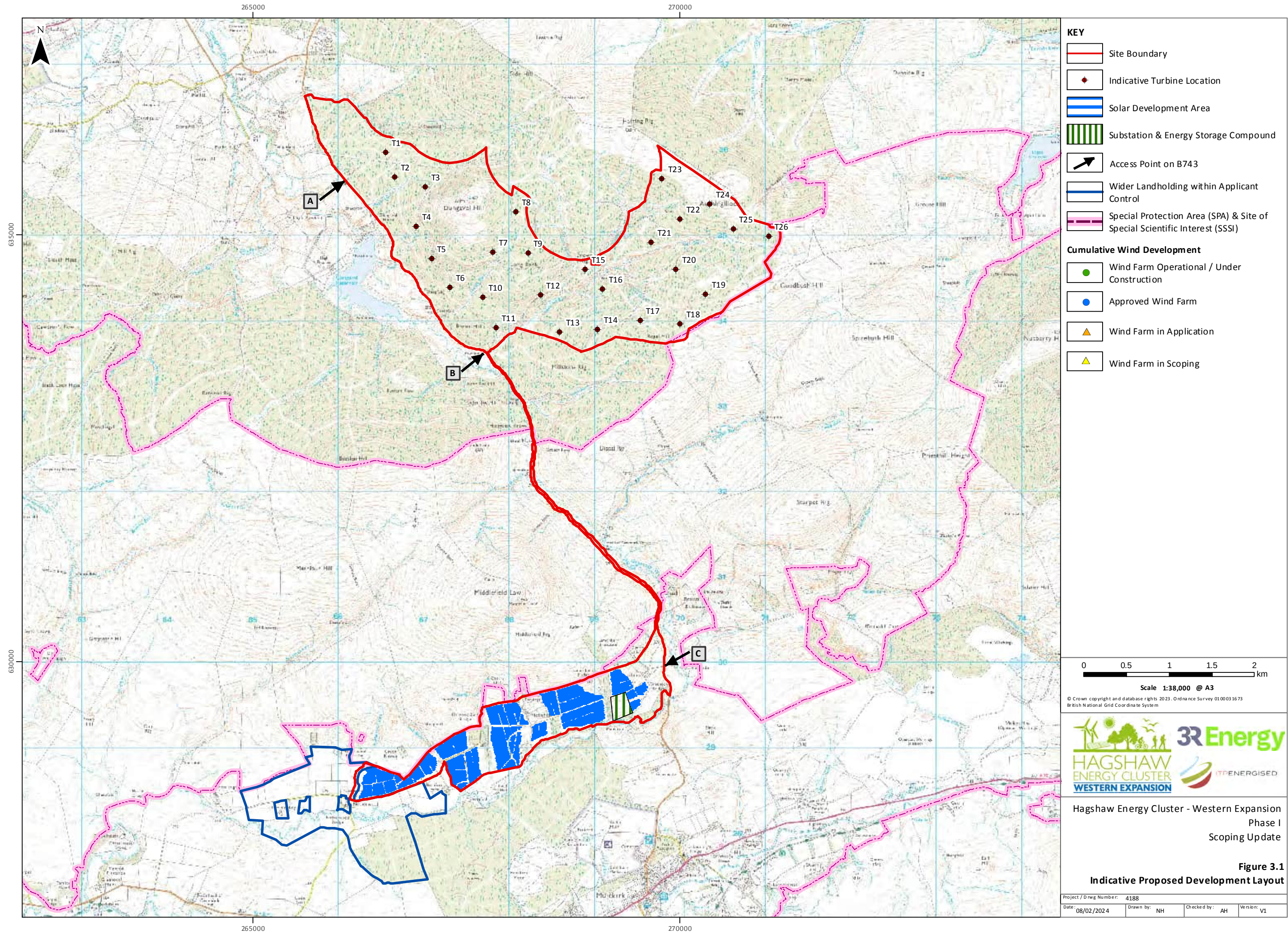
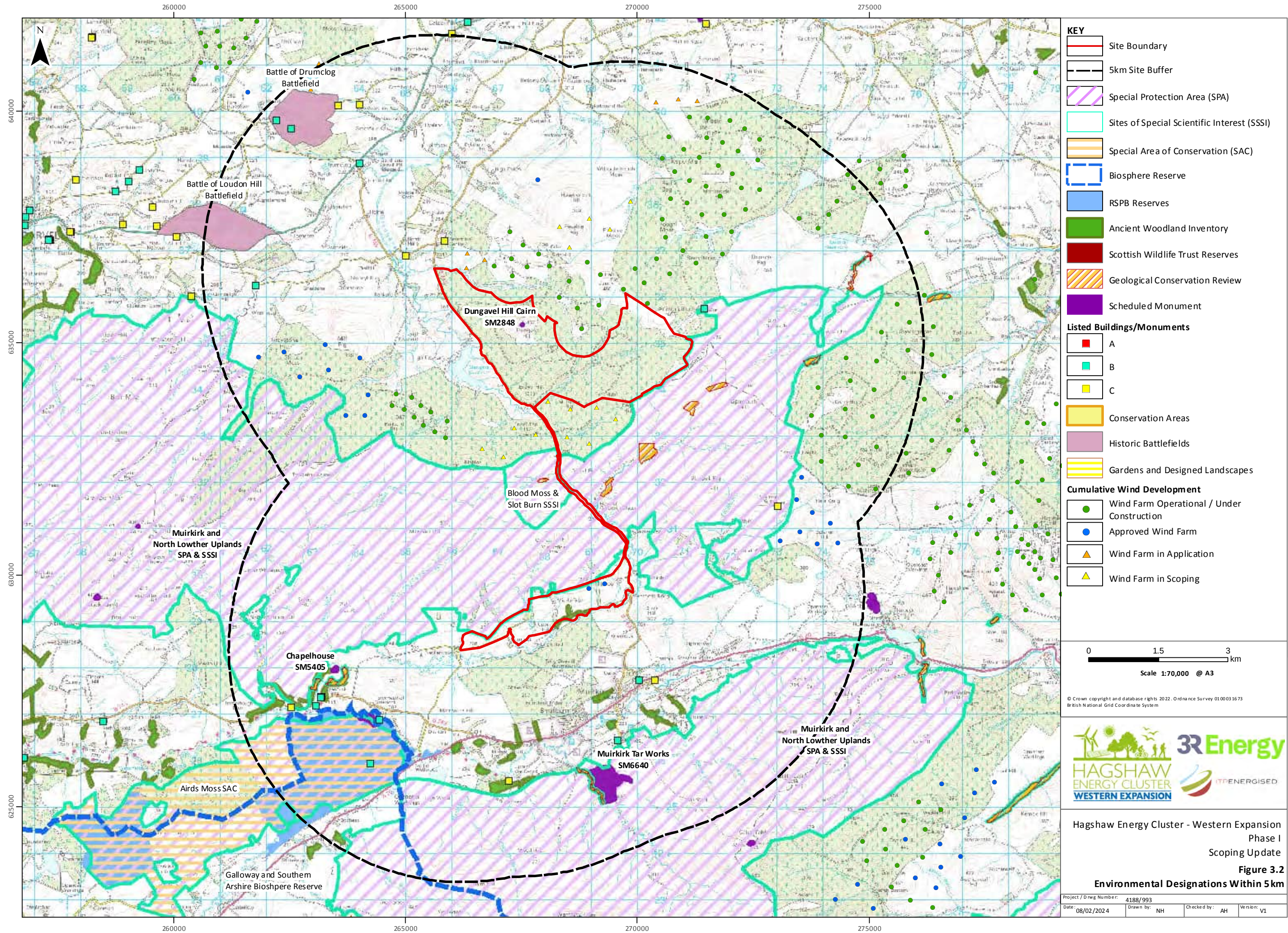


Figure 2.1
Development Phases
& Cumulative Developments





KEY

- Site Boundary
- 5km Site Buffer
- Special Protection Area (SPA)
- Sites of Special Scientific Interest (SSSI)
- Special Area of Conservation (SAC)
- Biosphere Reserve
- RSPB Reserves
- Ancient Woodland Inventory
- Scottish Wildlife Trust Reserves
- Geological Conservation Review
- Scheduled Monument

Listed Buildings/Monuments

- A
- B
- C
- Conservation Areas
- Historic Battlefields
- Gardens and Designed Landscapes

Cumulative Wind Development

- Wind Farm Operational / Under Construction
- Approved Wind Farm
- Wind Farm in Application
- Wind Farm in Scoping

0 1.5 3 km
Scale 1:70,000 @ A3

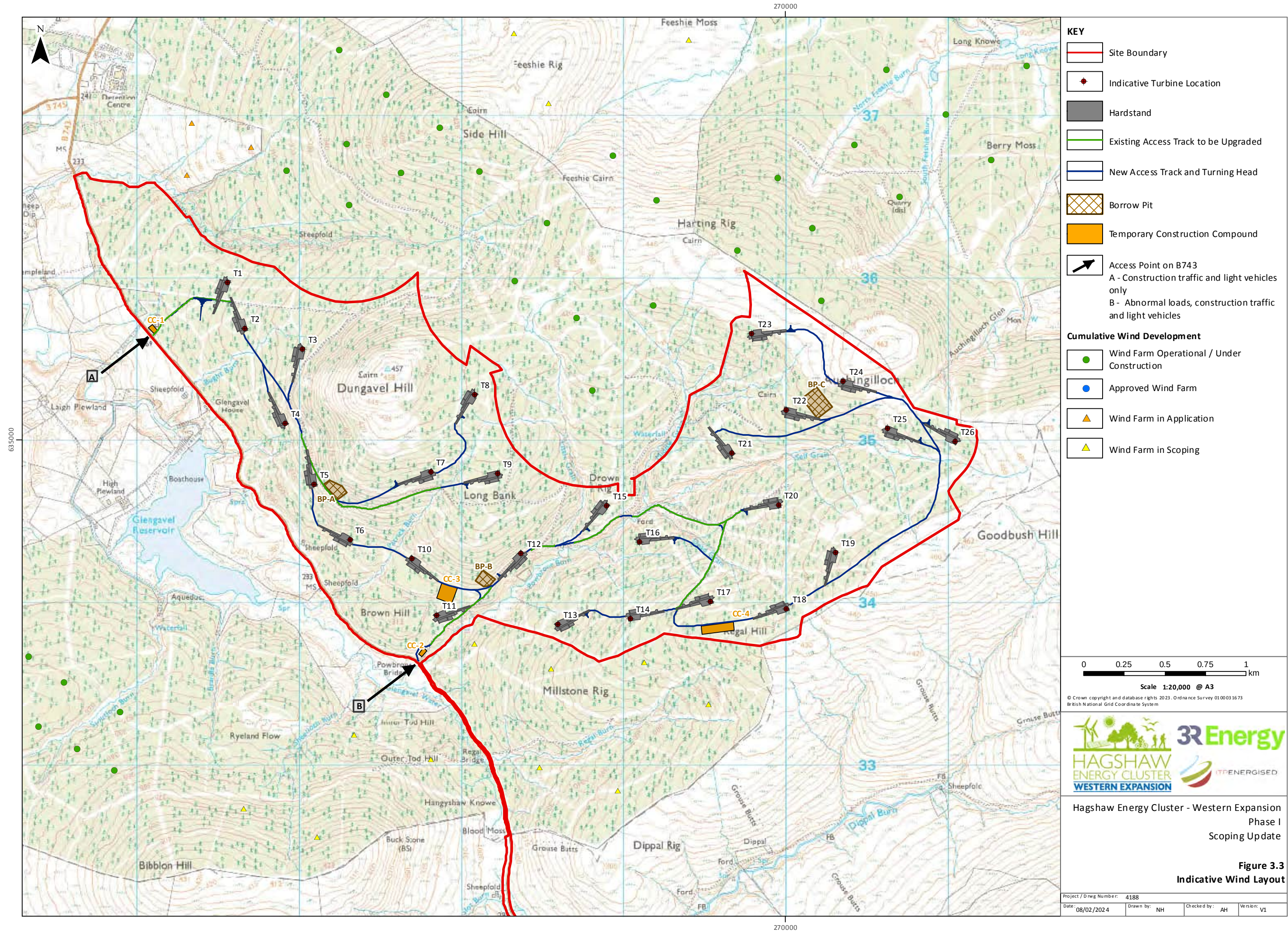
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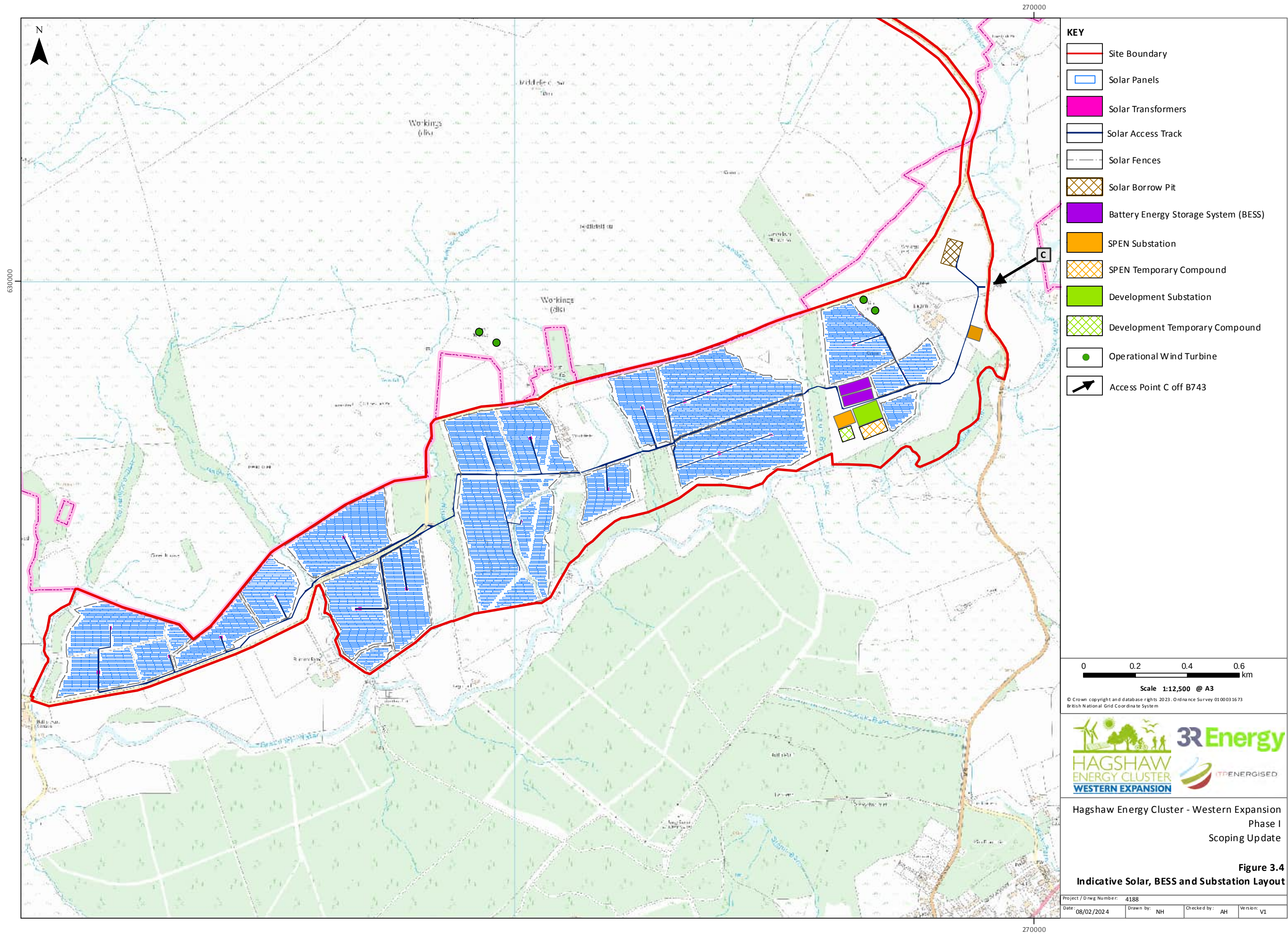


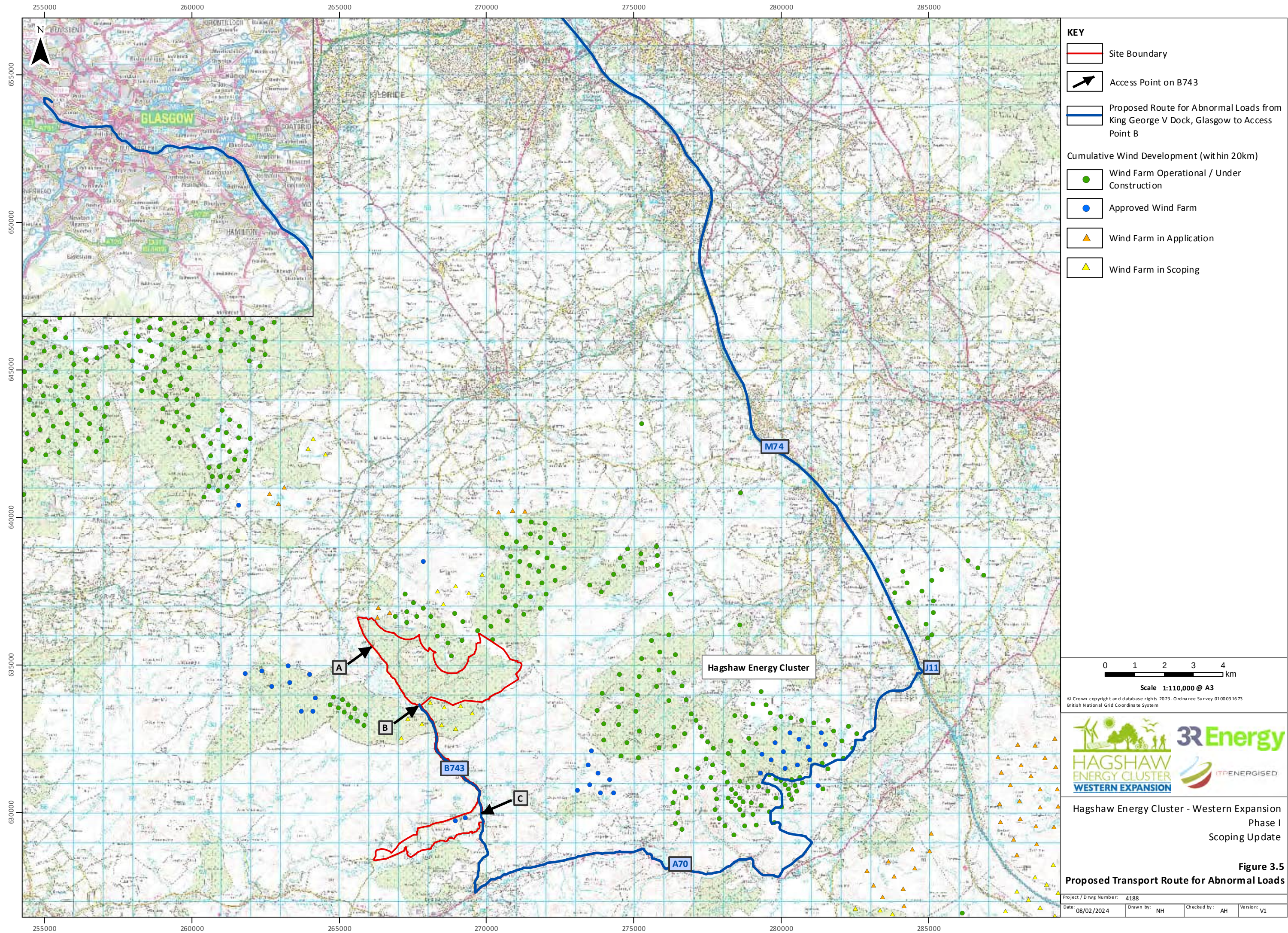
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Phase I
Scoping Update

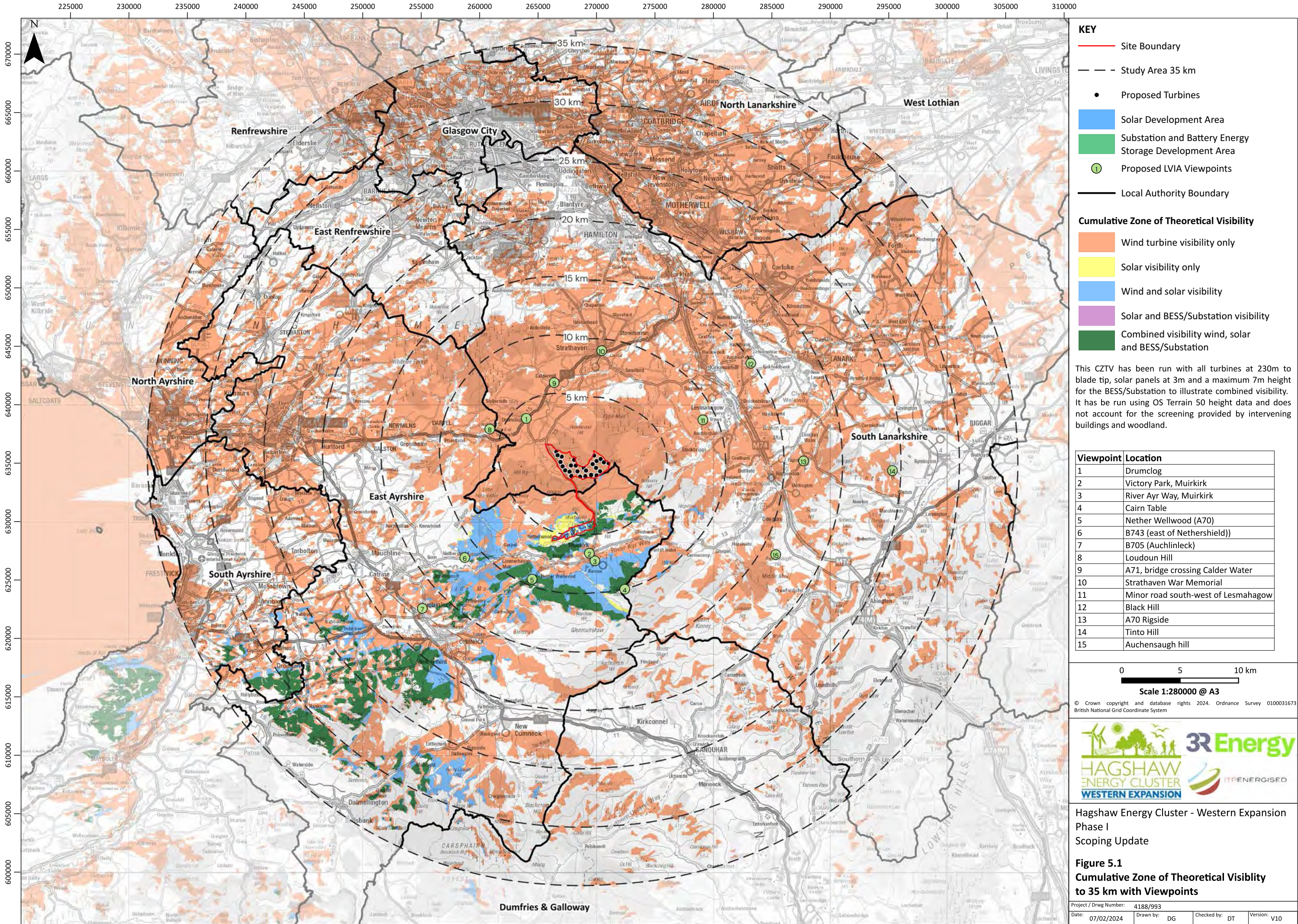
Figure 3.2
Environmental Designations Within 5km

Project / Dwg Number: 4188/993	Drawn by: NH	Checked by: AH	Version: V1
Date: 08/02/2024			









KEY

- Site Boundary
- Study Area 35 km
- Proposed Turbines
- Solar Development Area
- Substation and Battery Energy Storage Development Area
- Proposed LVIA Viewpoints
- Local Authority Boundary

Cumulative Zone of Theoretical Visibility

- Wind turbine visibility only
- Solar visibility only
- Wind and solar visibility
- Solar and BESS/Substation visibility
- Combined visibility wind, solar and BESS/Substation

This CZTV has been run with all turbines at 230m to blade tip, solar panels at 3m and a maximum 7m height for the BESS/Substation to illustrate combined visibility. It has be run using OS Terrain 50 height data and does not account for the screening provided by intervening buildings and woodland.

Viewpoint	Location
1	Drumclog
2	Victory Park, Muirkirk
3	River Ayr Way, Muirkirk
4	Cairn Table
5	Nether Wellwood (A70)
6	B743 (east of Nethersfield))
7	B705 (Auchlinleck)
8	Loudoun Hill
9	A71, bridge crossing Calder Water
10	Strathaven War Memorial
11	Minor road south-west of Lesmahagow
12	Black Hill
13	A70 Rigside
14	Tinto Hill
15	Auchensough hill

0 5 10 km

Scale 1:280000 @ A3

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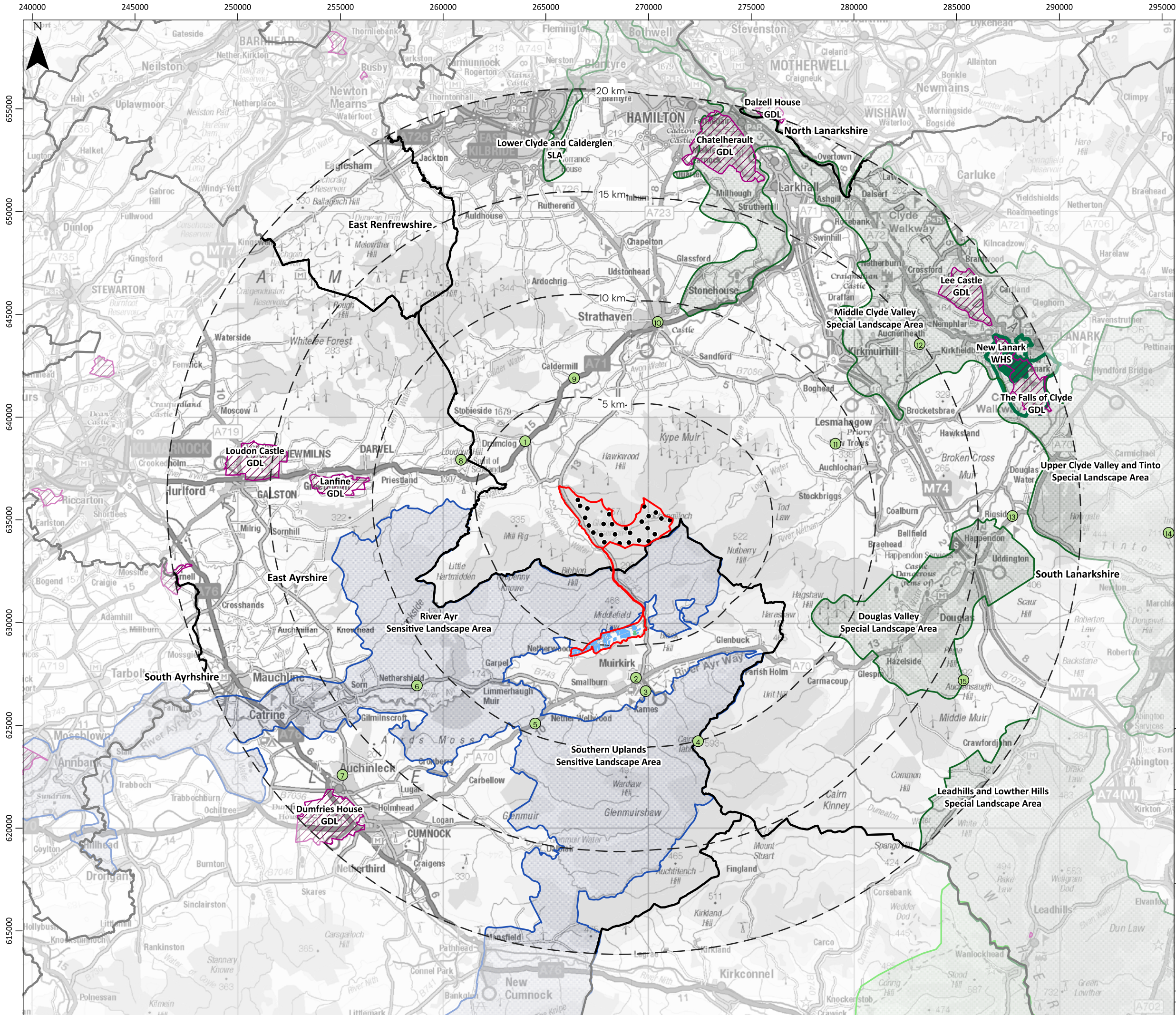
HAGSHAW ENERGY CLUSTER
WESTERN EXPANSION

3R Energy

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Scoping Update

Figure 5.1
Cumulative Zone of Theoretical Visibility to 35 km with Viewpoints



KEY

Site Boundary

Study Area 20 km

Proposed Turbines

Solar Development Area

Substation and Battery Energy Storage Development Area

Proposed LVIA Viewpoints

Local Authority Boundary

Landscape Designations

East Ayrshire Sensitive Landscape Area

South Lanarkshire Special Landscape Area

Dumfries & Galloway Regional Scenic Area

Heritage Designations

New Lanark World Heritage Site Boundary

New Lanark World Heritage Site Buffer Zone

Gardens and Designed Landscape

Viewpoint	Location
1	Drumclog
2	Victory Park, Muirkirk
3	River Ayr Way, Muirkirk
4	Cairn Table
5	Nether Wellwood (A70)
6	B743 (east of Nethershield))
7	B705 (Auchlinleck)
8	Loudoun Hill
9	A71, bridge crossing Calder Water
10	Strathaven War Memorial
11	Minor road south-west of Lesmahagow
12	Black Hill
13	A70 Rigside
14	Tinto Hill
15	Auchensough hill

0510 km

Scale 1:175000 @ A3

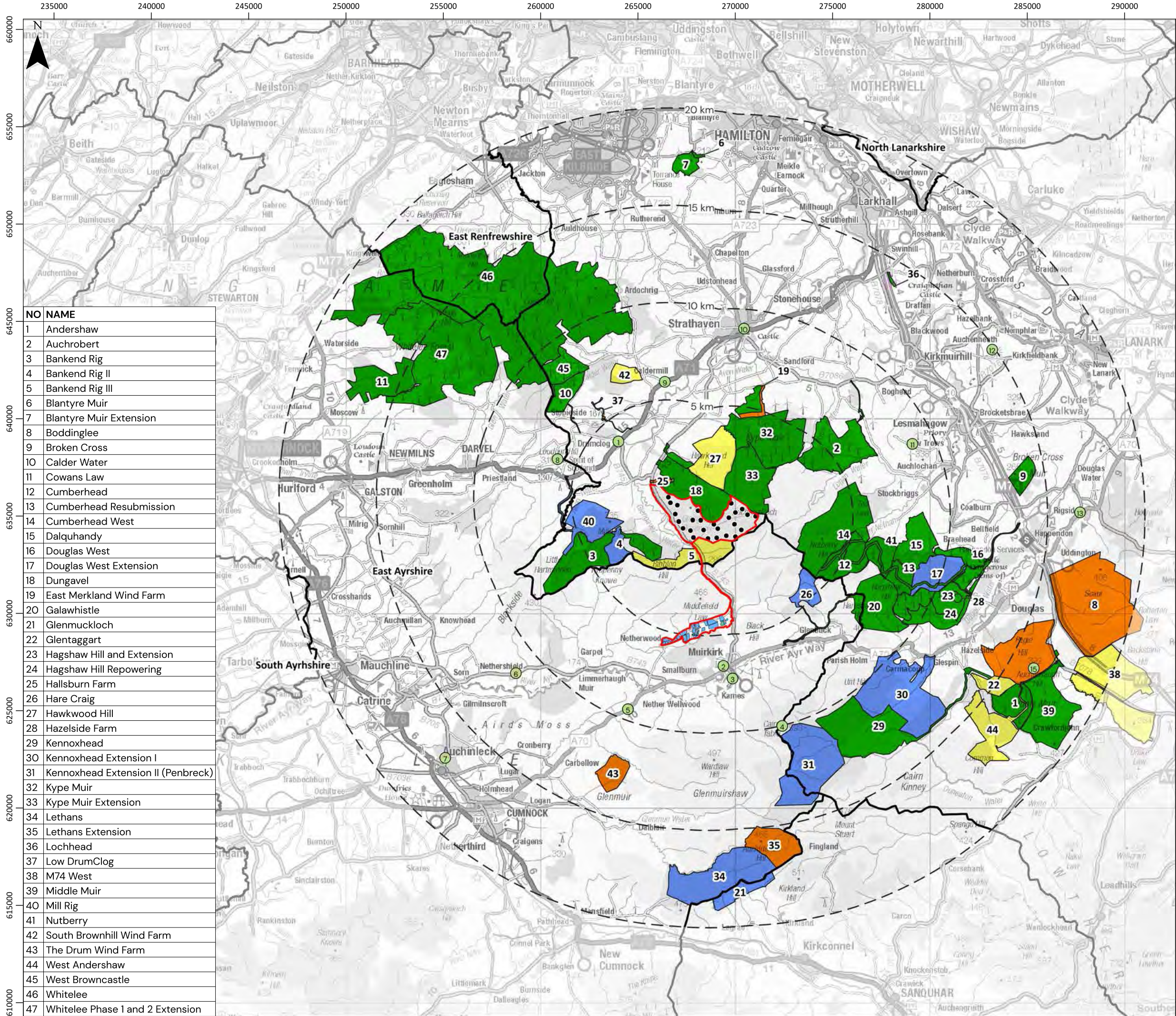
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Figure 5.2
Landscape Designations within 20 km
with Viewpoints



KEY

- Site Boundary
- Study Area 20 km
- Proposed Turbines
- Solar Development Area
- Substation and Battery Energy Storage Development Area
- Proposed LVIA Viewpoints
- Local Authority Boundary

Other Wind Farms

- Operational/In Construction
- Consented
- Application
- Scoping/Pre-Application

Note:
Wind turbines less than 50m in height to blade tip have been scoped out within 10 km of the Proposed Development.
Wind turbines less than 80m in height to blade tip have been scoped out beyond 10 km of the Proposed Development.

Viewpoint	Location
1	Drumclog
2	Victory Park, Muirkirk
3	River Ayr Way, Muirkirk
4	Cairn Table
5	Nether Wellwood (A70)
6	B743 (east of Nethersheid))
7	B705 (Auchlinleck)
8	Loudoun Hill
9	A71, bridge crossing Calder Water
10	Strathaven War Memorial
11	Minor road south-west of Lesmahagow
12	Black Hill
13	A70 Rigsid
14	Tinto Hill
15	Auchensaugh hill

0510 km

Scale 1:185000 @ A3

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Scoping Update

Figure 5.3
Other Wind Farms within 20 km

Project / Drwg Number: 4188/993			
Date: 07/02/2024	Drawn by: DG	Checked by: DT	Version: V10

