A465 Blaenau'r Cymoedd

Adrannau 5 + 6: Dowlais Top - Hirwaun

A465 Heads of the Valleys

Sections 5 + 6: Dowlais Top - Hirwaun



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A465 Heads of the Valleys Sections 5 and 6: Dowlais Top to Hirwaun

Environmental Statement Supplement Volume 3: Figures — March 2018



Environmental Statement Supplement Volume 3: Revised Figures

All Figures included in this Volume are a direct replacement of the corresponding Figures issued in the July 2017 published Environmental Statement Volume 3.

Revised Figures accompanying Chapter 1: Introduction		Revised Figures accompanying Chapter 9: Cultural Heritage	
No revised Figures.		Figure 9.1	Archaeological Remains and Historic Buildings (including
Revised Figures accompanying Chapter 2: Policy Context			Conservation Areas)
No Figures.		Figure 9.2	Historic Landscape Character Areas
Revised Figures accompanying Chapter 3: Need for Proposed Scheme		Figure 9.3	Registered Historic Landscapes
No Figures.		Revised Figures accompanying Chapter 10: Landscape and Visual Impact	
Revised Figures accompanying Chapter 4: Design Developments and Alternatives		Figure 10.5	Landscape Character Areas: National, National Park and County Borough
No Figures.		Figure 10.6.2	Zone of Theoretical Visibility - Existing Road
Revised Figures accompanying Chapter 5: Proposed Scheme		Figure 10.7	Night Time Light Sources and Exterior Lighting Environmental Zones
No revised Figures.		Figure 10.8	Visual Effects
Revised Figures a	accompanying Chapter 6: Consultations		
No Figures.		Visualisations (NEW)	
Revised Figures accompanying Chapter 7: Environmental Assessment Methodology		Visualisation 1	RV10.2 - View south-east from National Cycle Route 46 (receptor S6-A6), looking towards Hirwaun junction (Year 1 and Year 15)
No Figures.		Visualisation 2	KV10.8 - View north-west from the Taff Trail on the Cefn Coed
Revised Figures accompanying Chapter 8: Air Quality			viaduct (receptor S5-A1), to the A470 viaduct, A470 junction and the Taf Fawr viaduct (Year 1 and Year 15)
Figure 8.1	EPUK Construction Dust Assessment	Visualisation 3	RV10.30 - View from Vaynor Public Footpath 34 (receptor S5-A6),
Figure 8.2	NO ₂ Monitoring Locations		looking south along the leat and disused Gurnos Quarry Tramroad to the Taf Fechan viaduct (Year 1)
Figure 8.3	Sensitive Ecological Receptors	Visualisation 4	RV10.41 - View south from Pant Hollow open space allocation
Figure 8.4	Predicted Change in NO ₂ Concentrations Between DM and DS		(receptor S5-A12) (Year 1 and Year 15)
Figure 8.5	Scenarios for 2022 Predicted Change in PM ₁₀ Concentrations Between DM and DS Scenarios for 2022	Visualisation 5	RV10.47 - View south from National Cycle Route 46 (receptor S5-A15), to Dowlais junction (Year 1 and Year 15)

Revised Figures accompanying Chapter 11: Nature Conservation

Figure 11.6 Marsh Fritillary Site Overview

Figure 11.7 Marsh Fritillary Habitat Loss

Figure 11.15 Nature Conservation Mitigation¹

Revised Figures accompanying Chapter 12: Geology and Soils

No revised Figures.

Revised Figures accompanying Chapter 13: Materials

No revised Figures.

Revised Figures accompanying Chapter 14: Noise and Vibration

Figure 14.4 Noise Change Contour Plan DM (Opening Year) Against DS (Opening

Year)

Figure 14.5 Noise Change Contour Plan DM (Opening Year) Against DS (Future

Year)

Figure 14.6 (NEW) Noise Change Contour Plan DM (Opening Year) Against DM (Future

Year)

Figure 14.7 (NEW) Operational Sample Receptors and NAPPA Location

Revised Figures accompanying Chapter 15: Effects on All Travellers

No revised Figures.

Revised Figures accompanying Chapter 16: Community and Private Assets

No revised Figures.

Revised Figures accompanying Chapter 17: Road Drainage and the Water Environment

No revised Figures.

Revised Figures accompanying Chapter 18: Cumulative Effects

No revised Figures.

Revised Figures accompanying Chapter 19: Summary and Conclusions

No Figures.

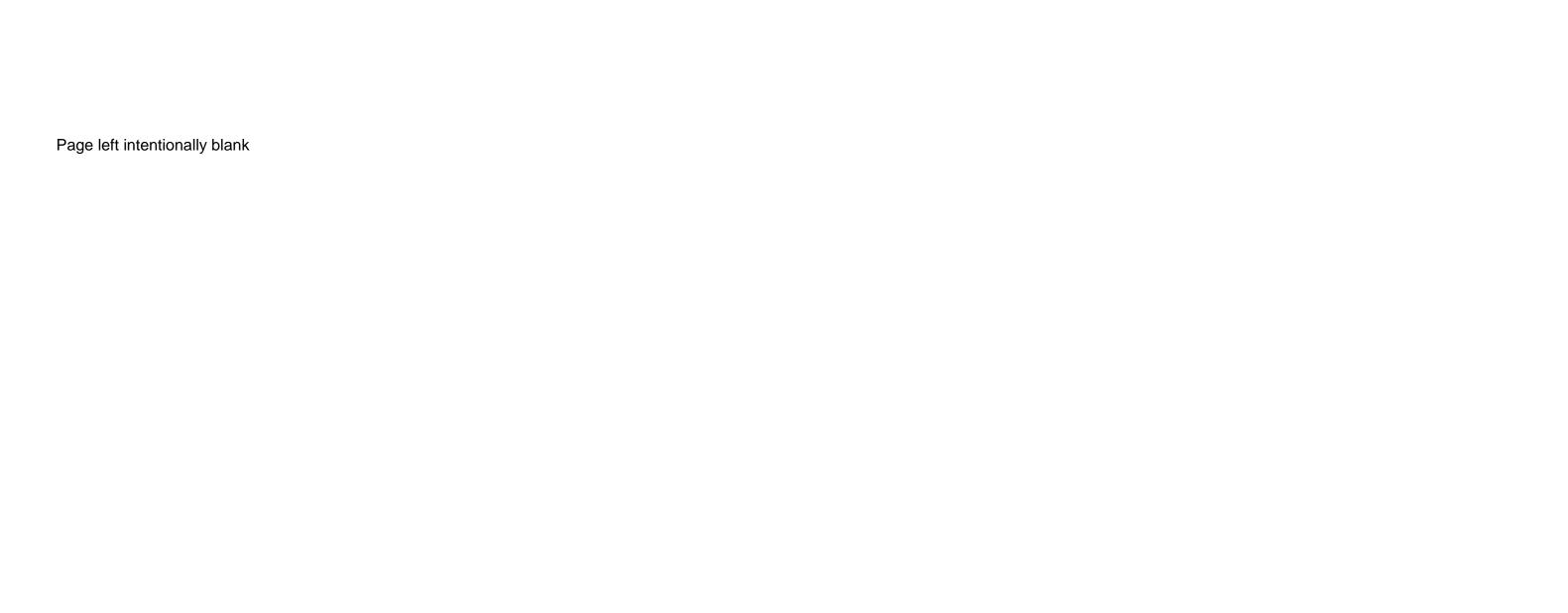
¹ Please note that this figure is confidential as it contains sensitive information regarding protected species. Should you require an electronic copy of this document then please make your request to Welsh Government.

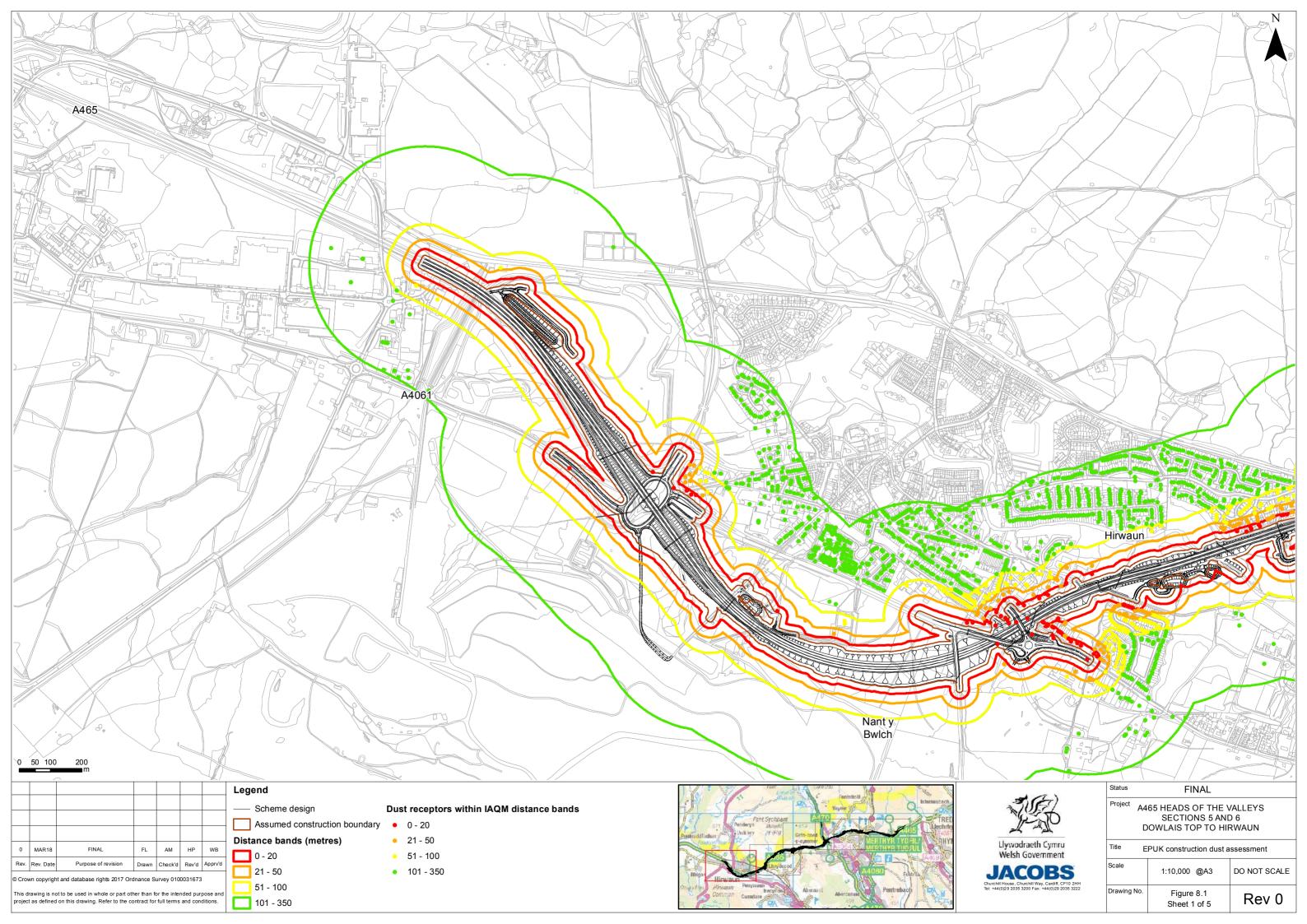
Environmental Statement Supplement Volume 3: Revised Figures

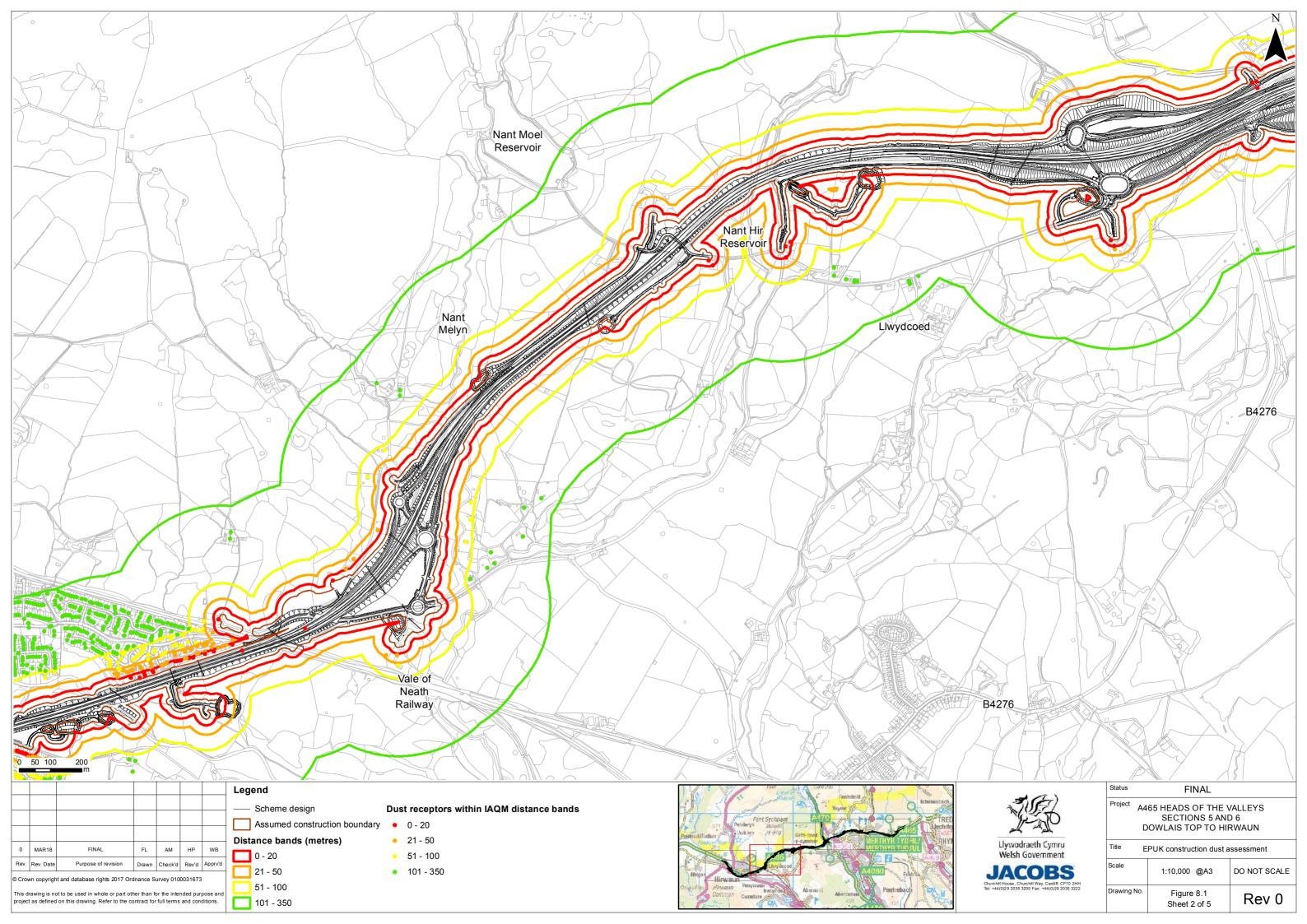
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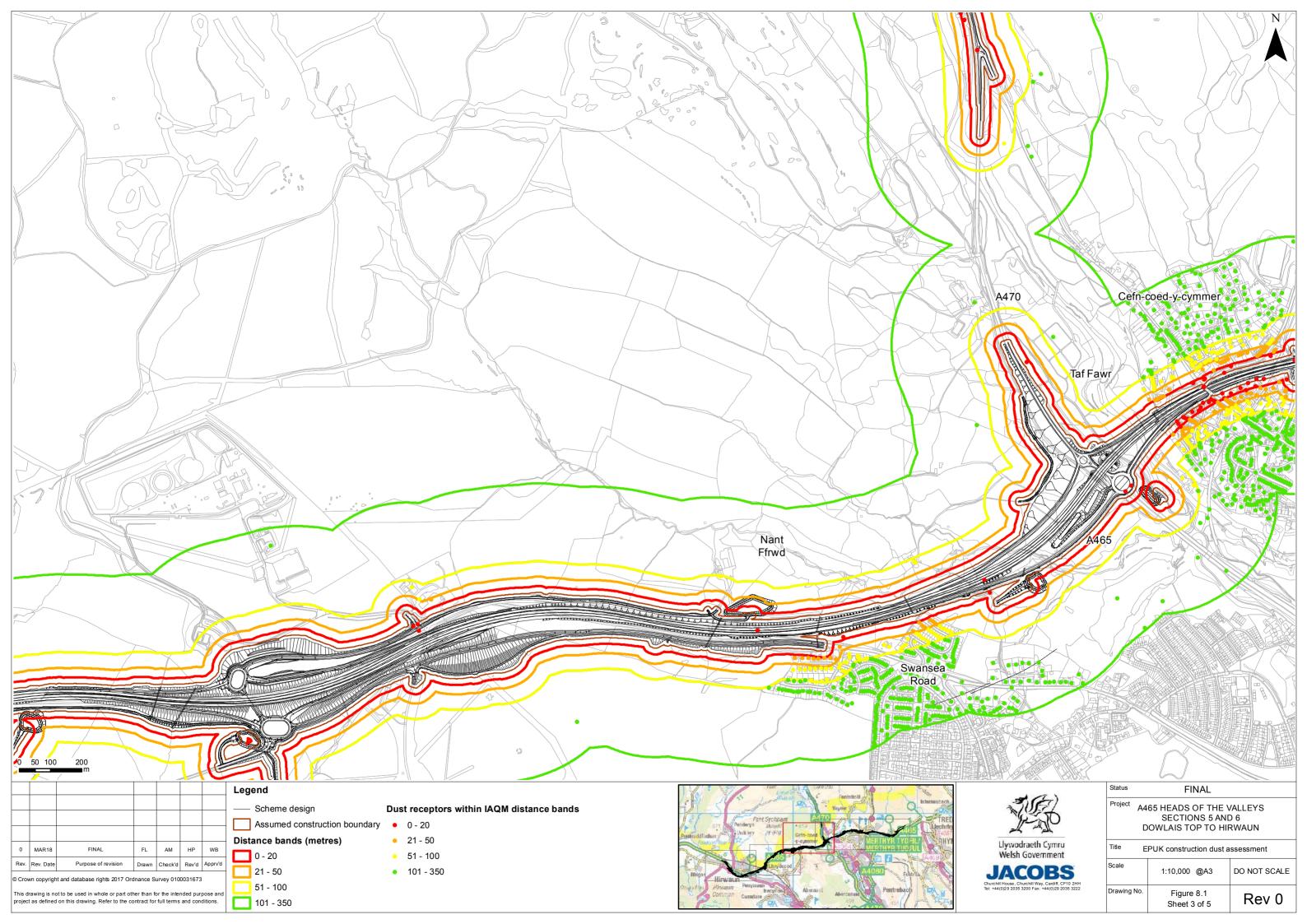
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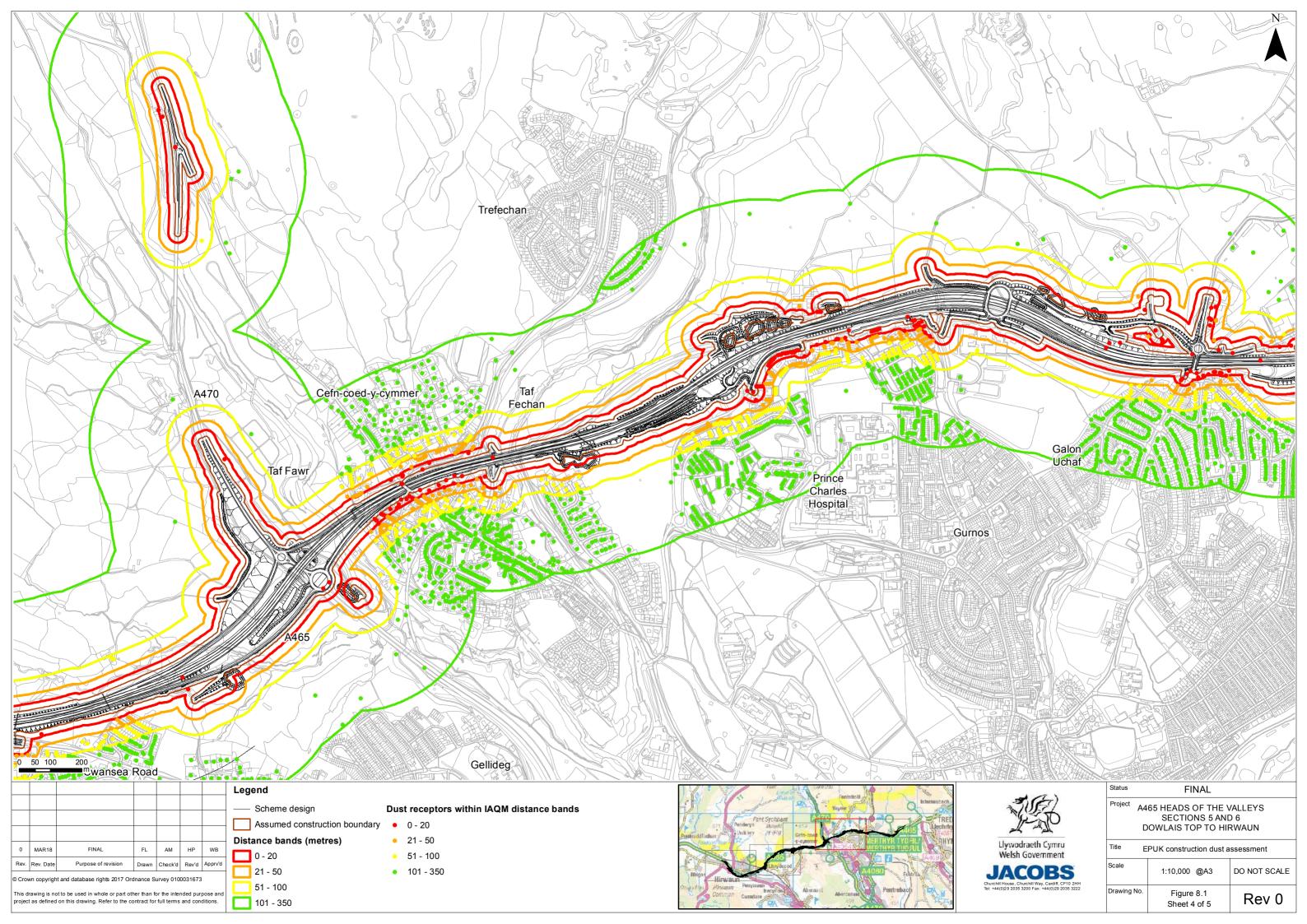
Figure 8.1	EPUK Construction Dust Assessment
Figure 8.2	NO2 Monitoring Locations used for verification
Figure 8.3	Ecological receptors and study area modelled in the air quality assessment
Figure 8.4	Predicted Change in NO ₂ Concentrations Between DM and DS Scenarios for 2022
Figure 8.5	Predicted Change in PM ₁₀ Concentrations Between DM and DS Scenarios for 2022

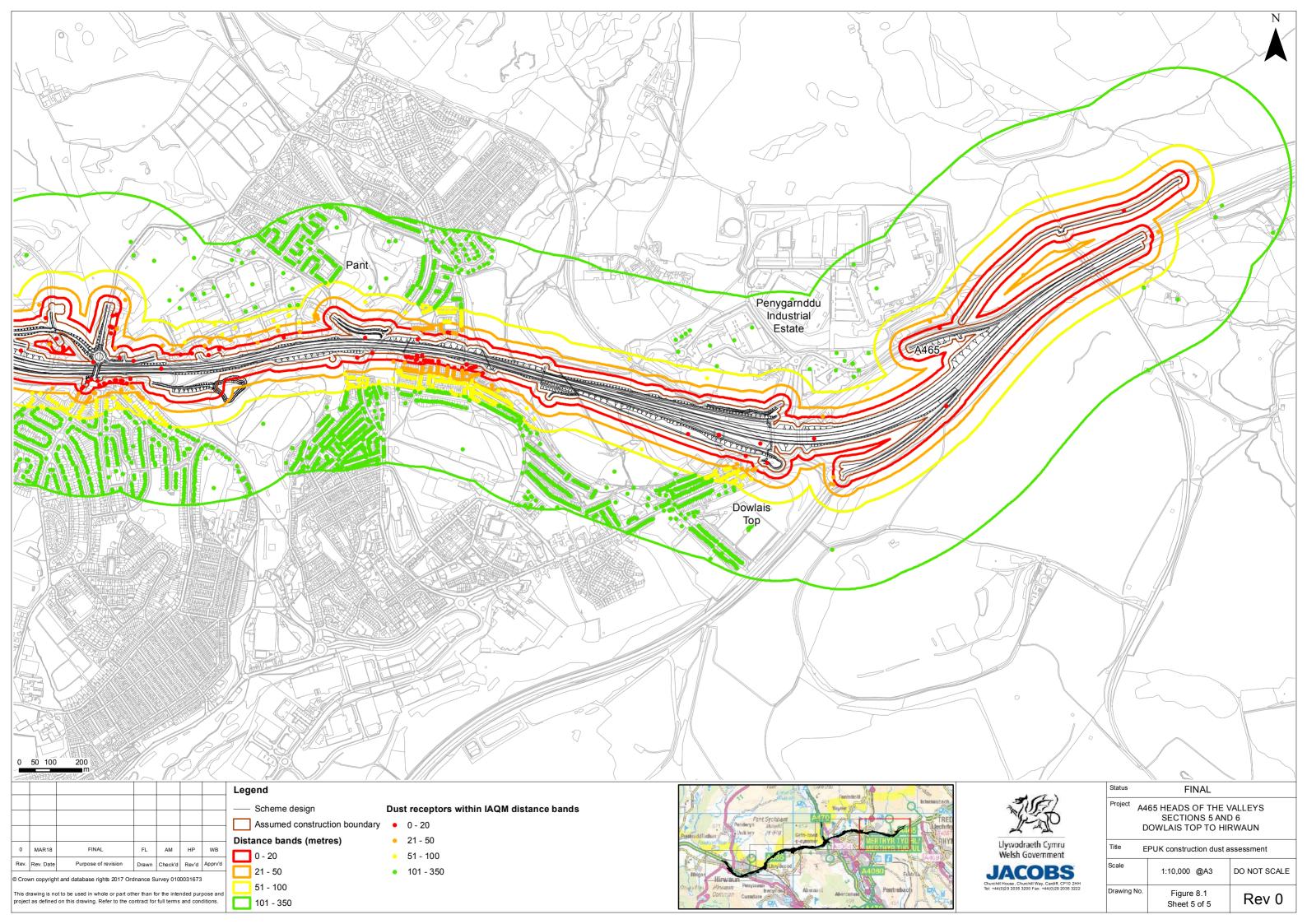




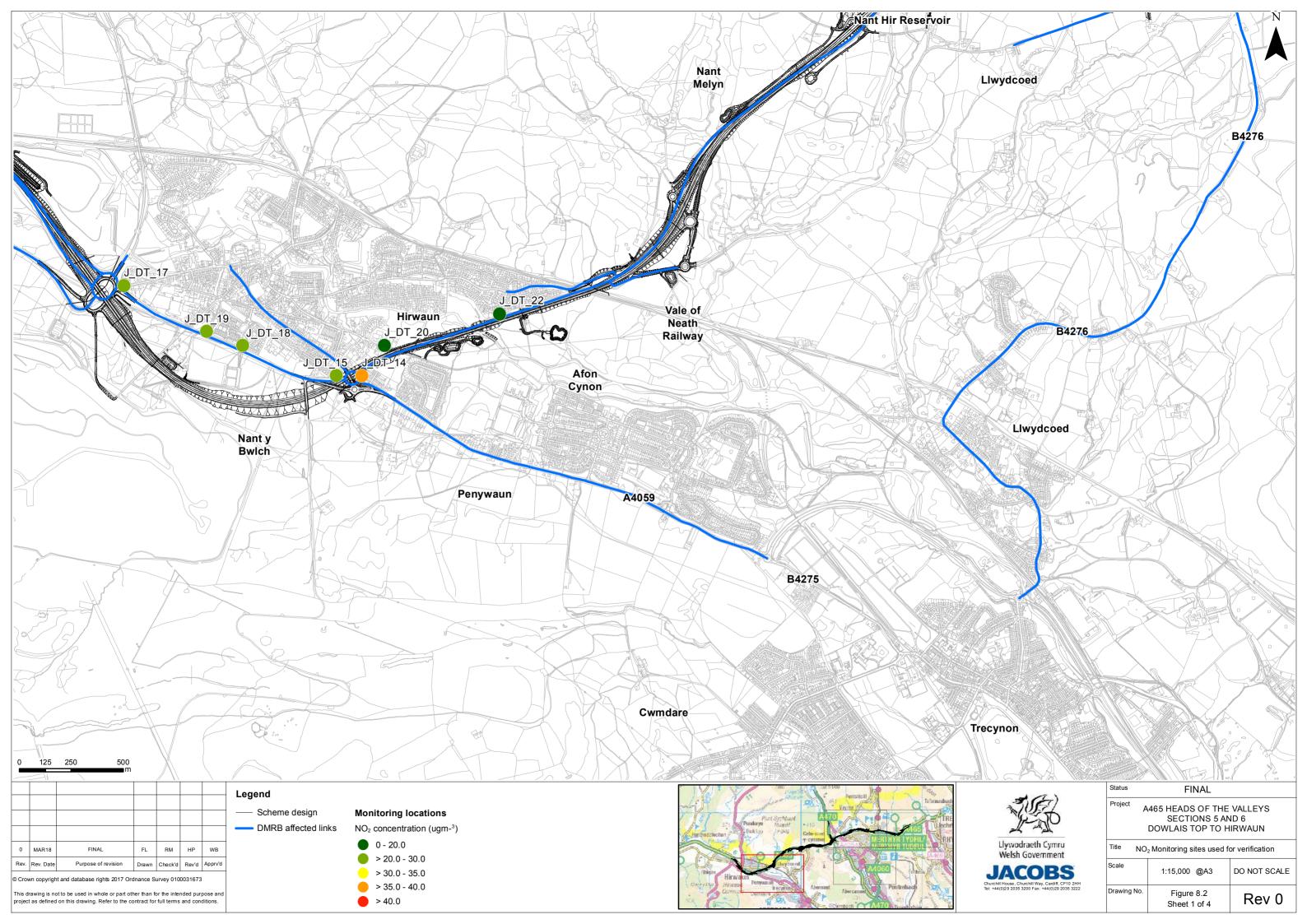


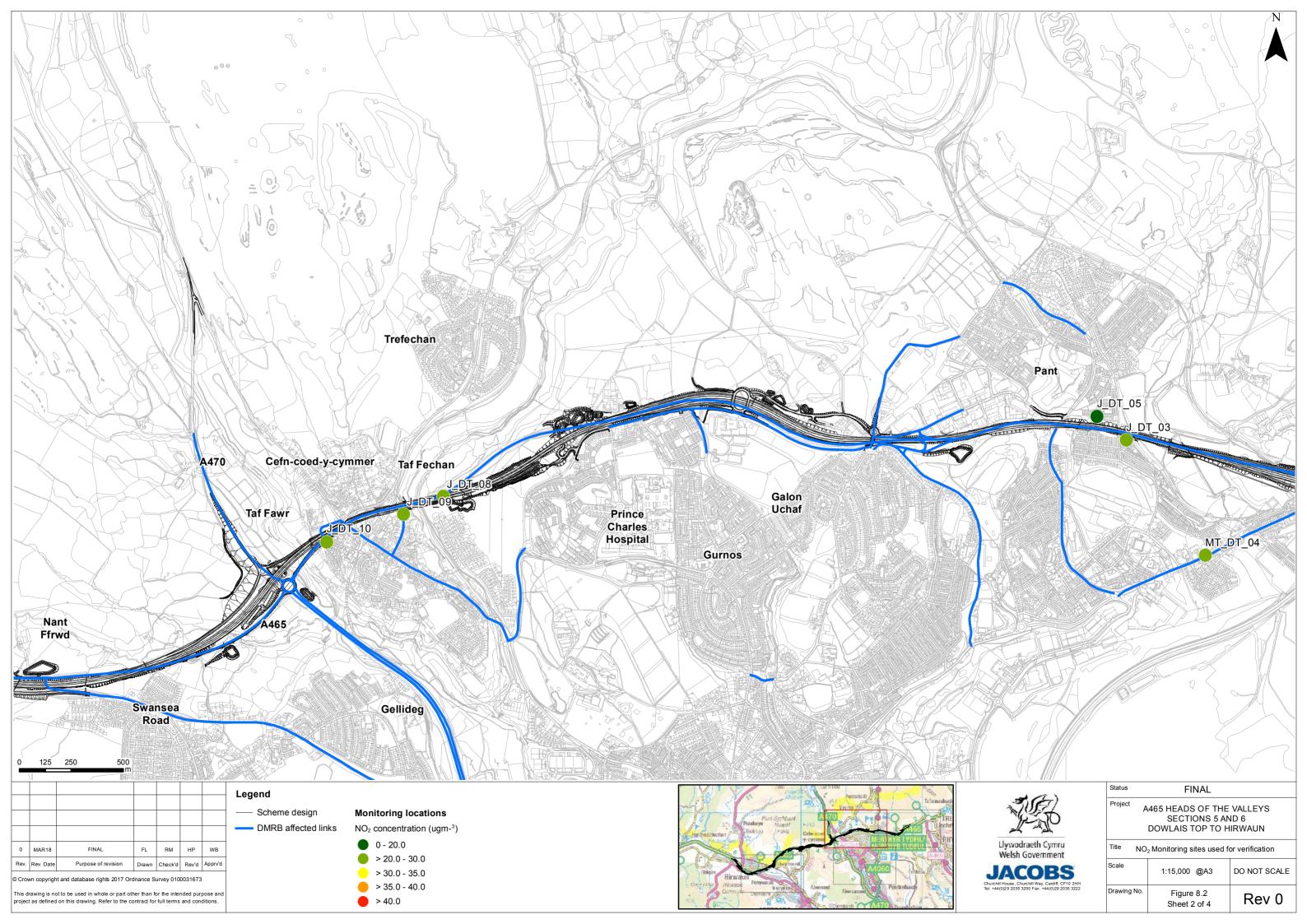


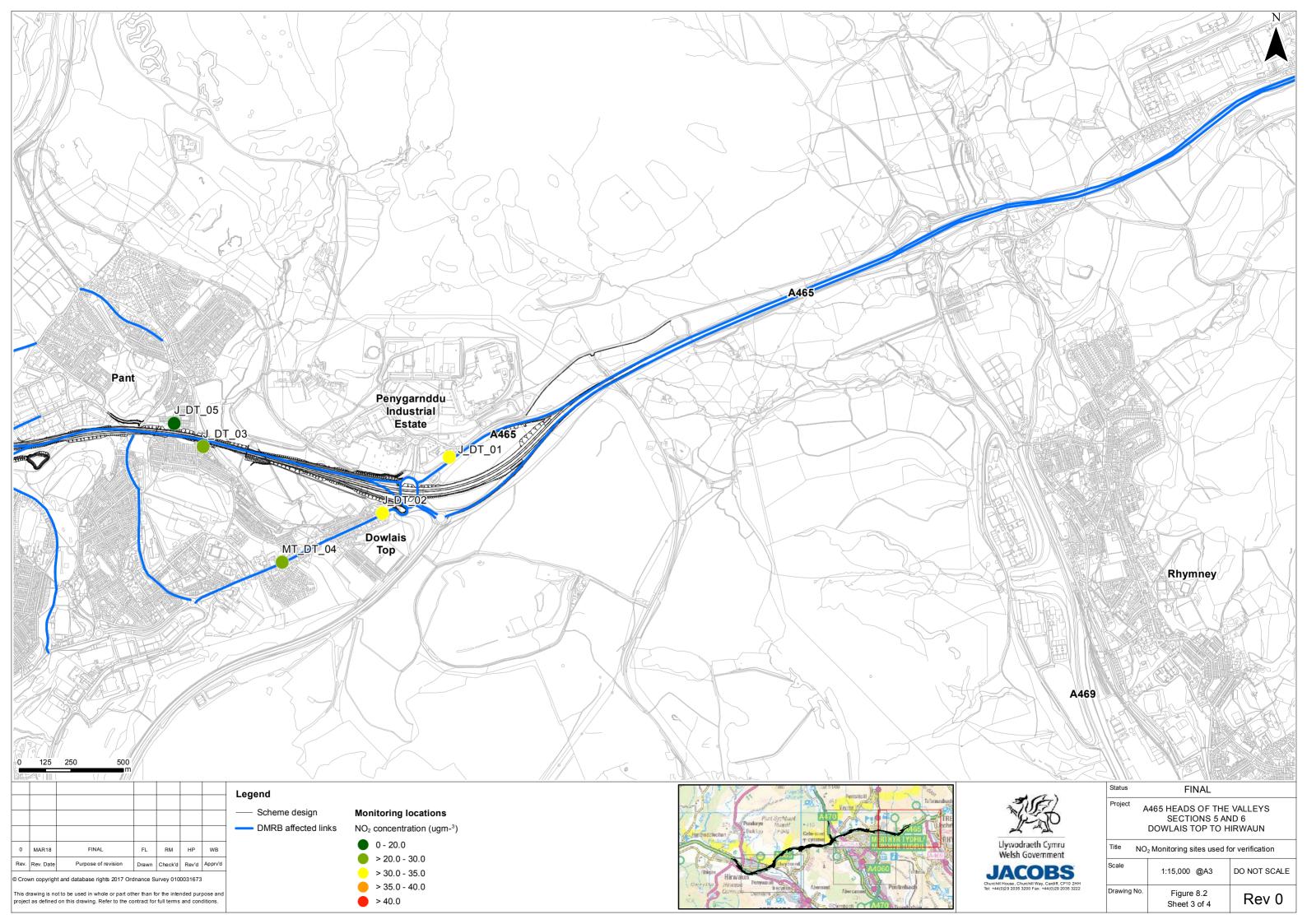


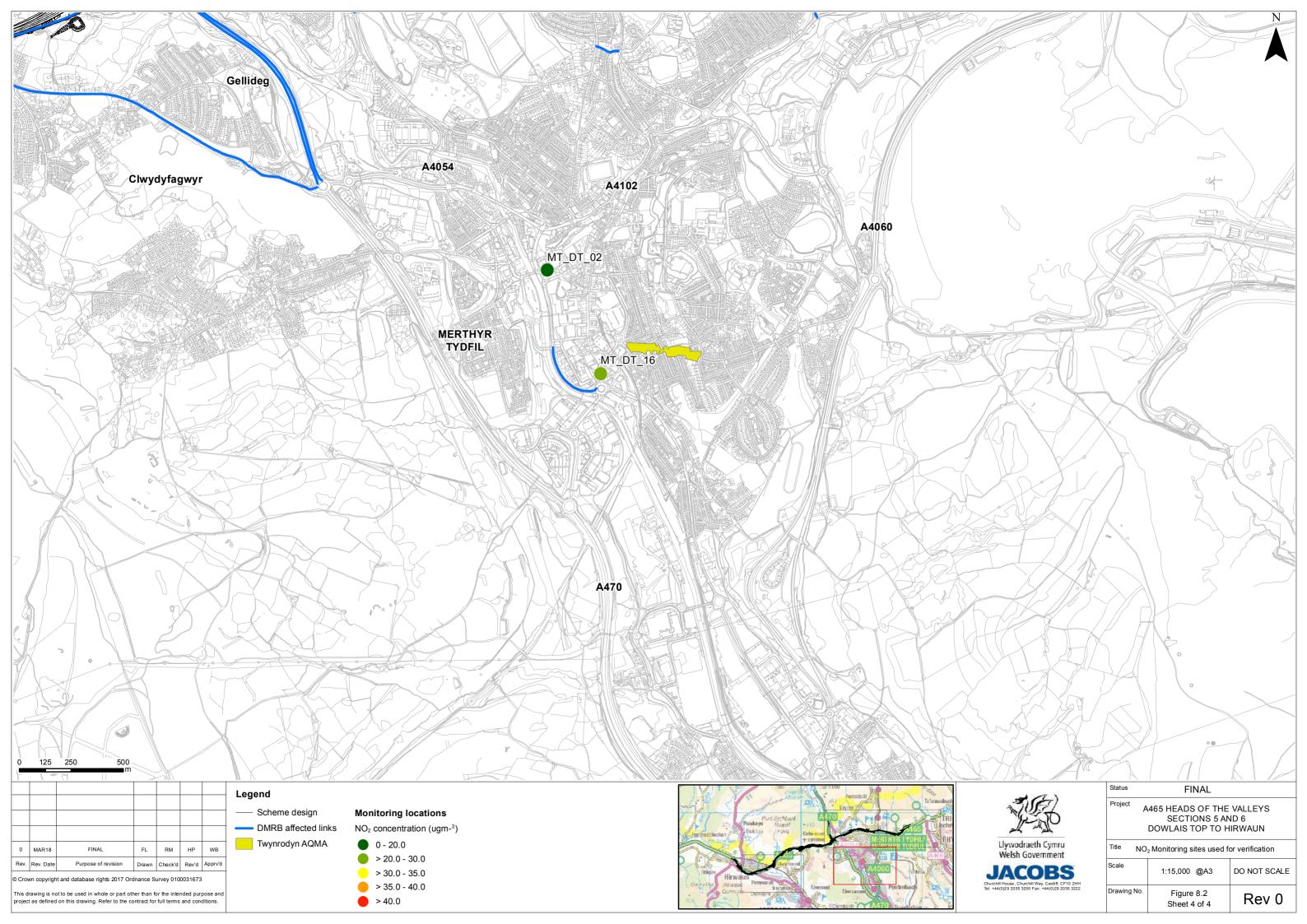


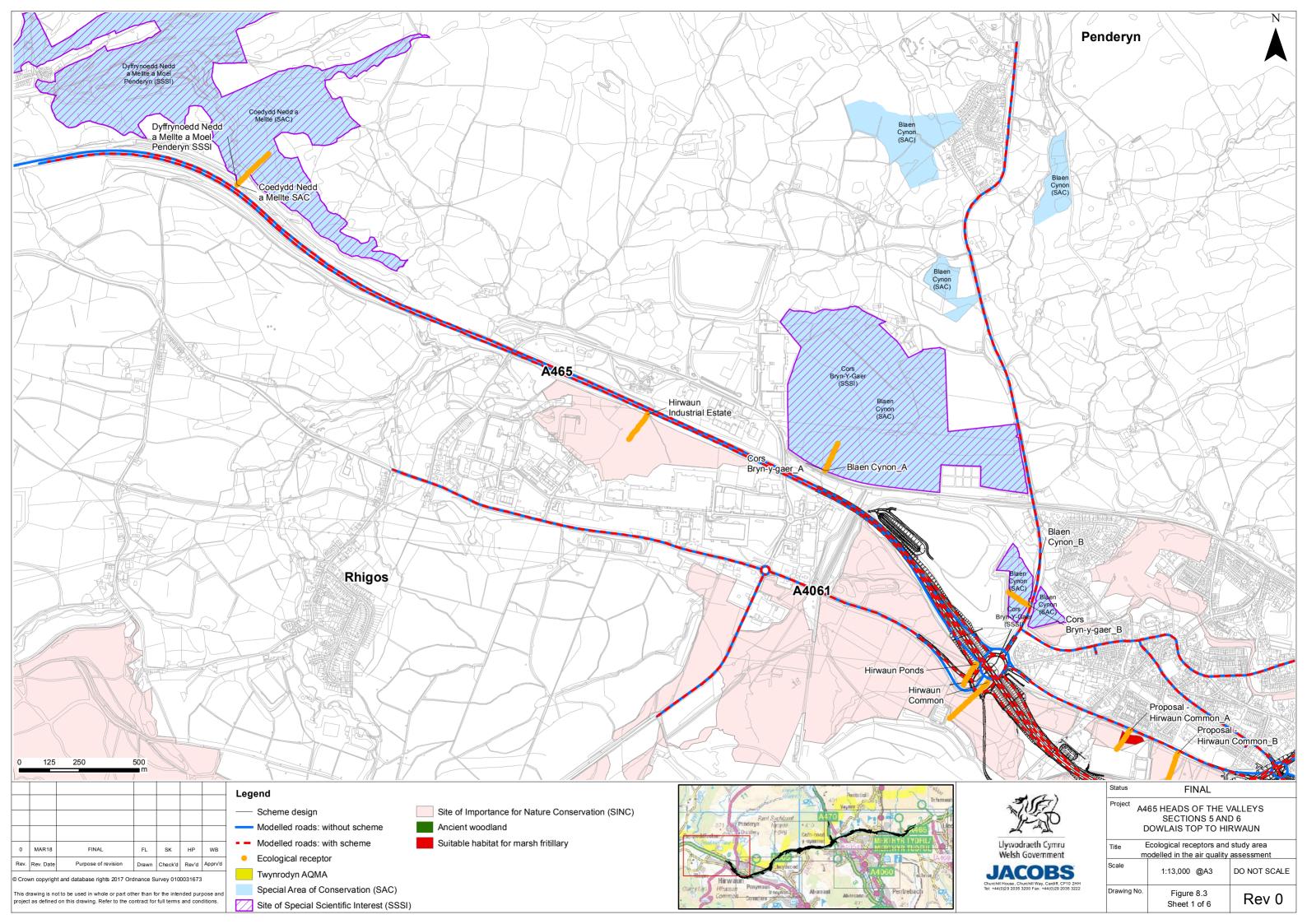
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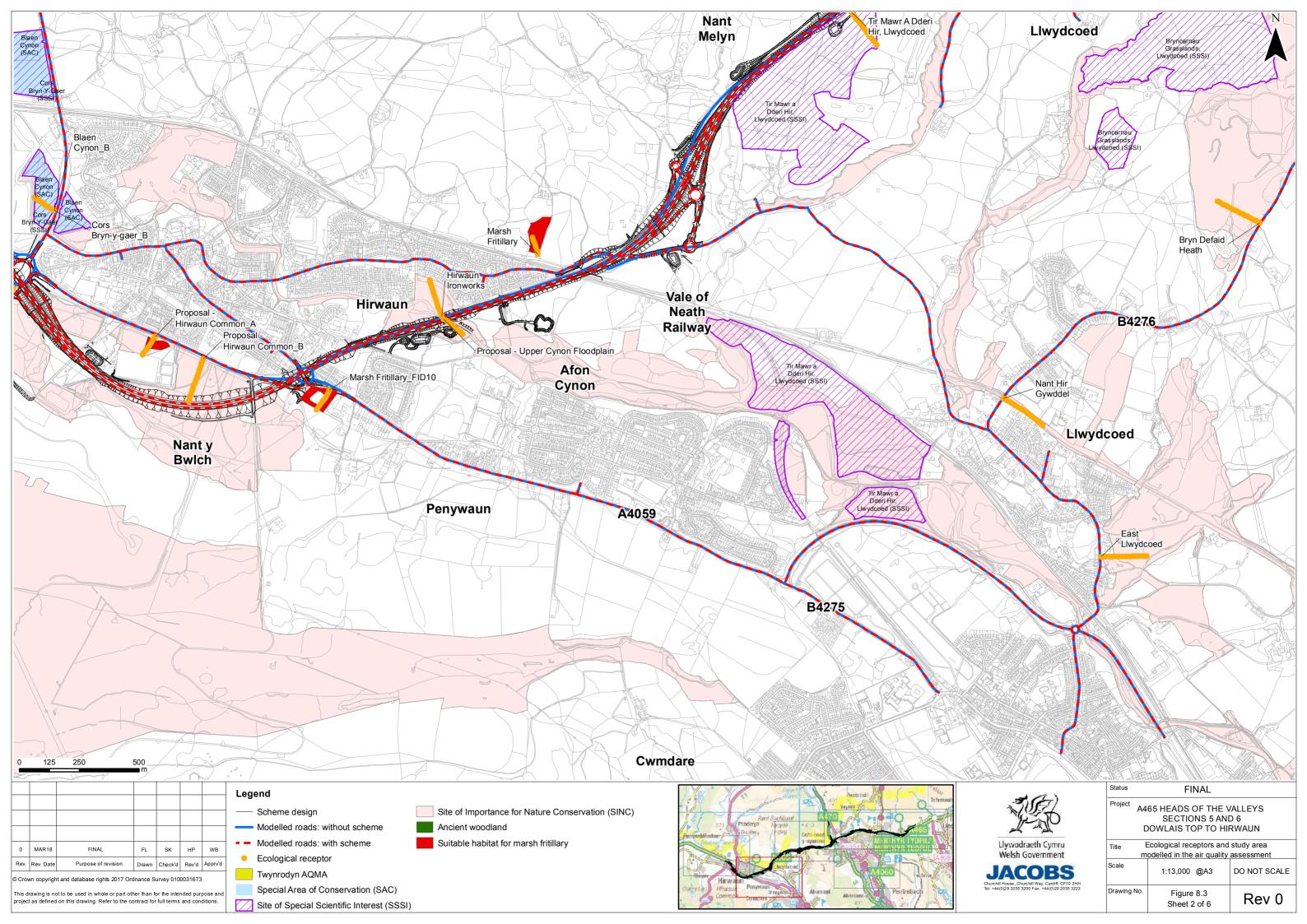


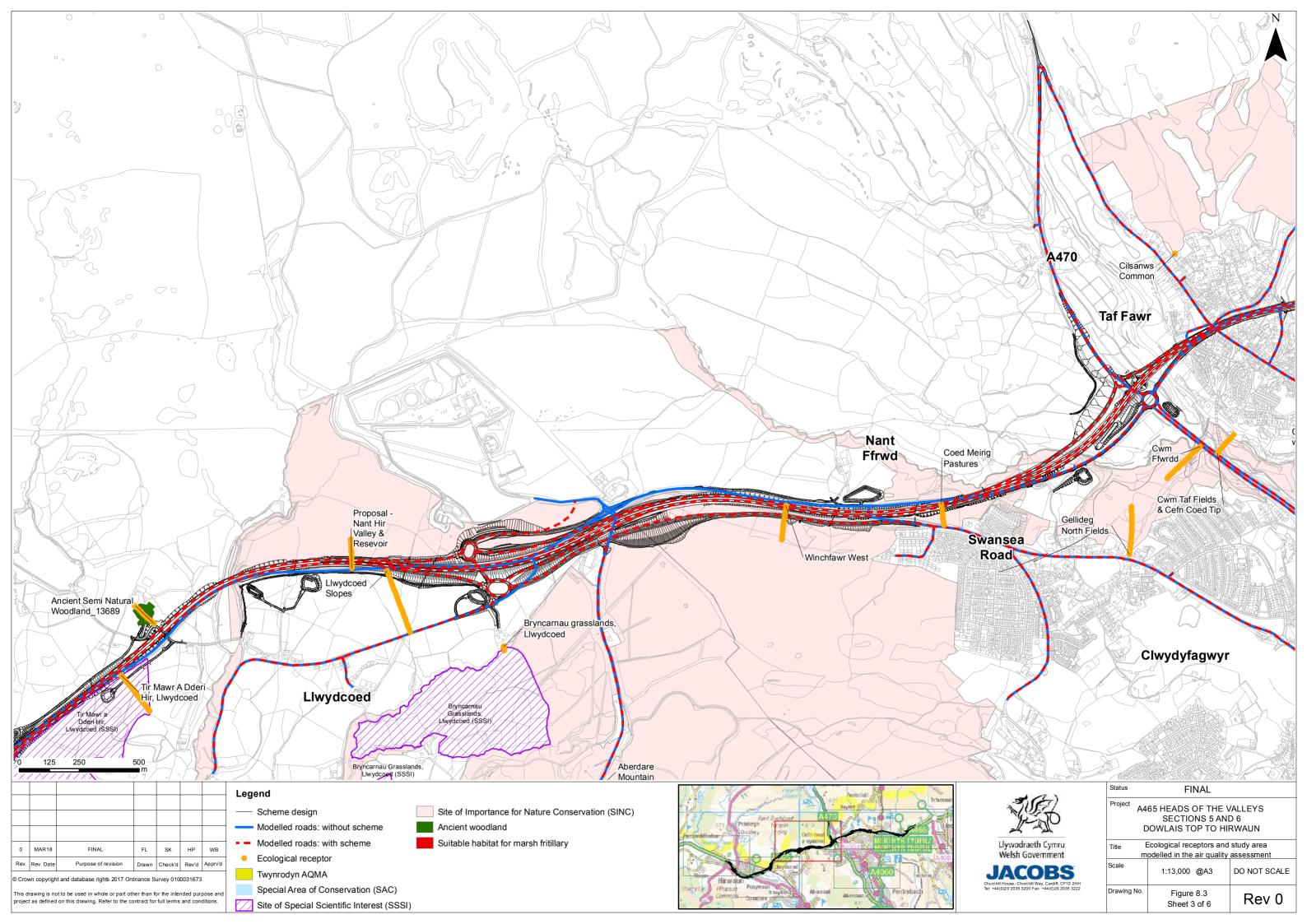


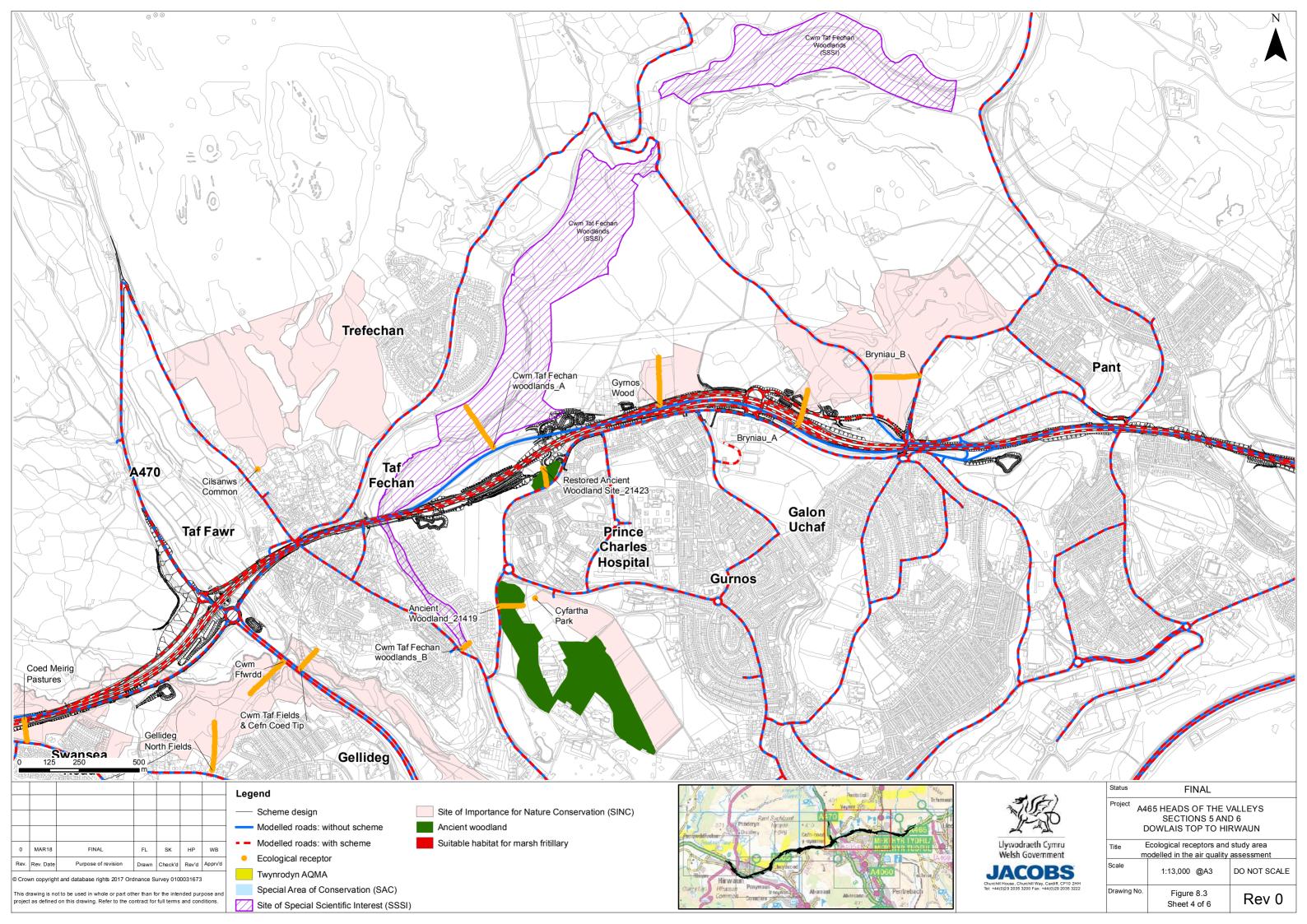


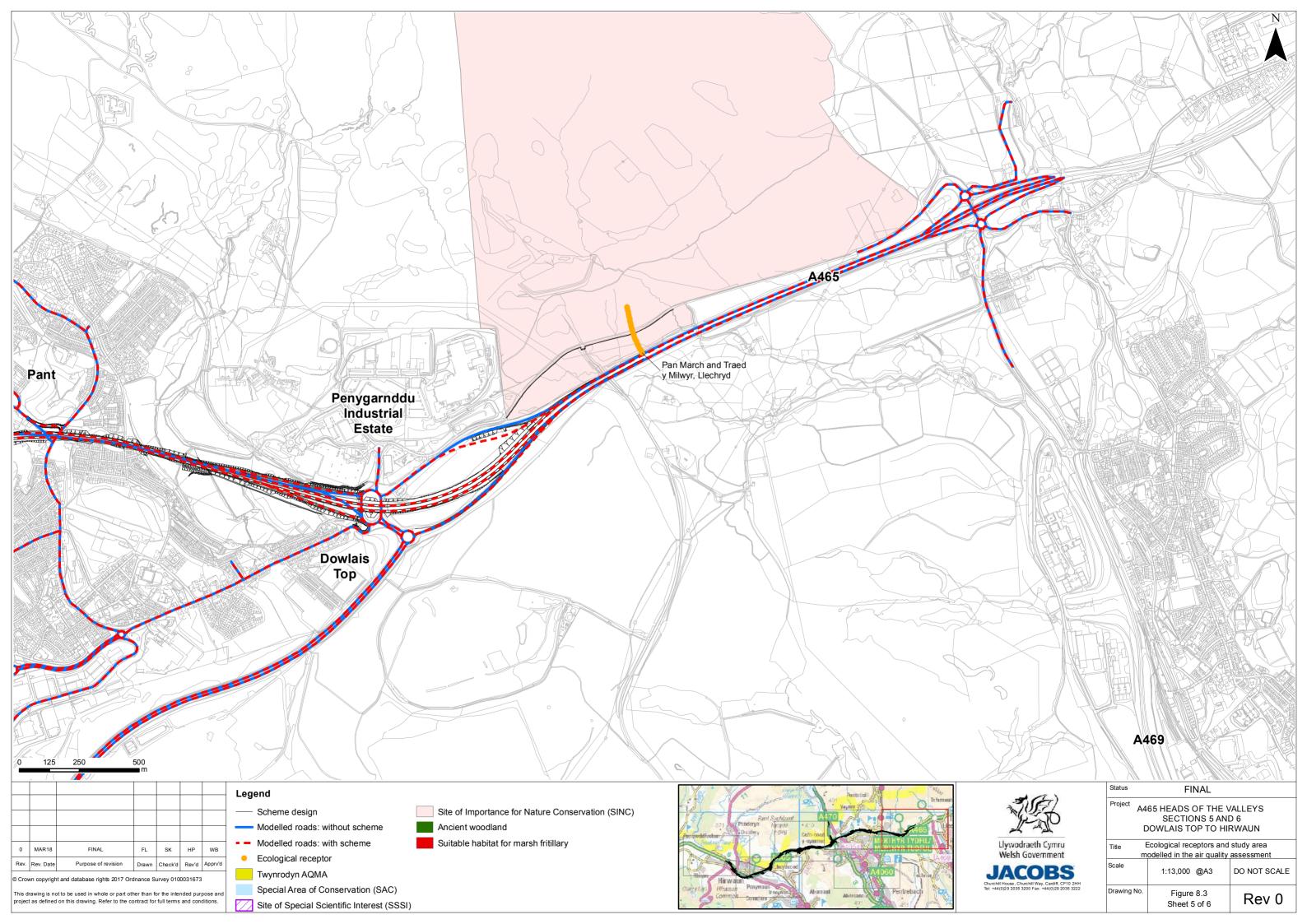


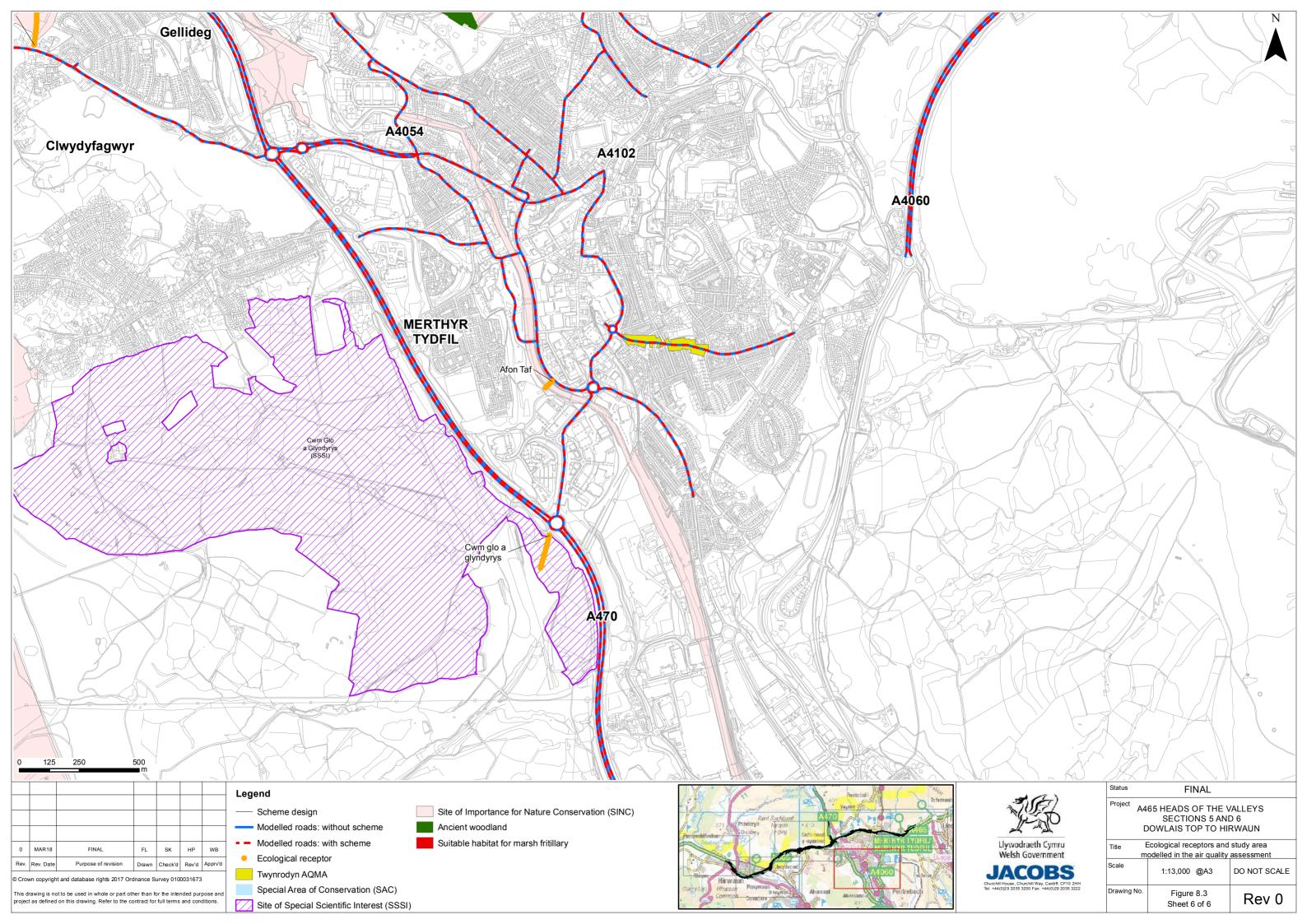


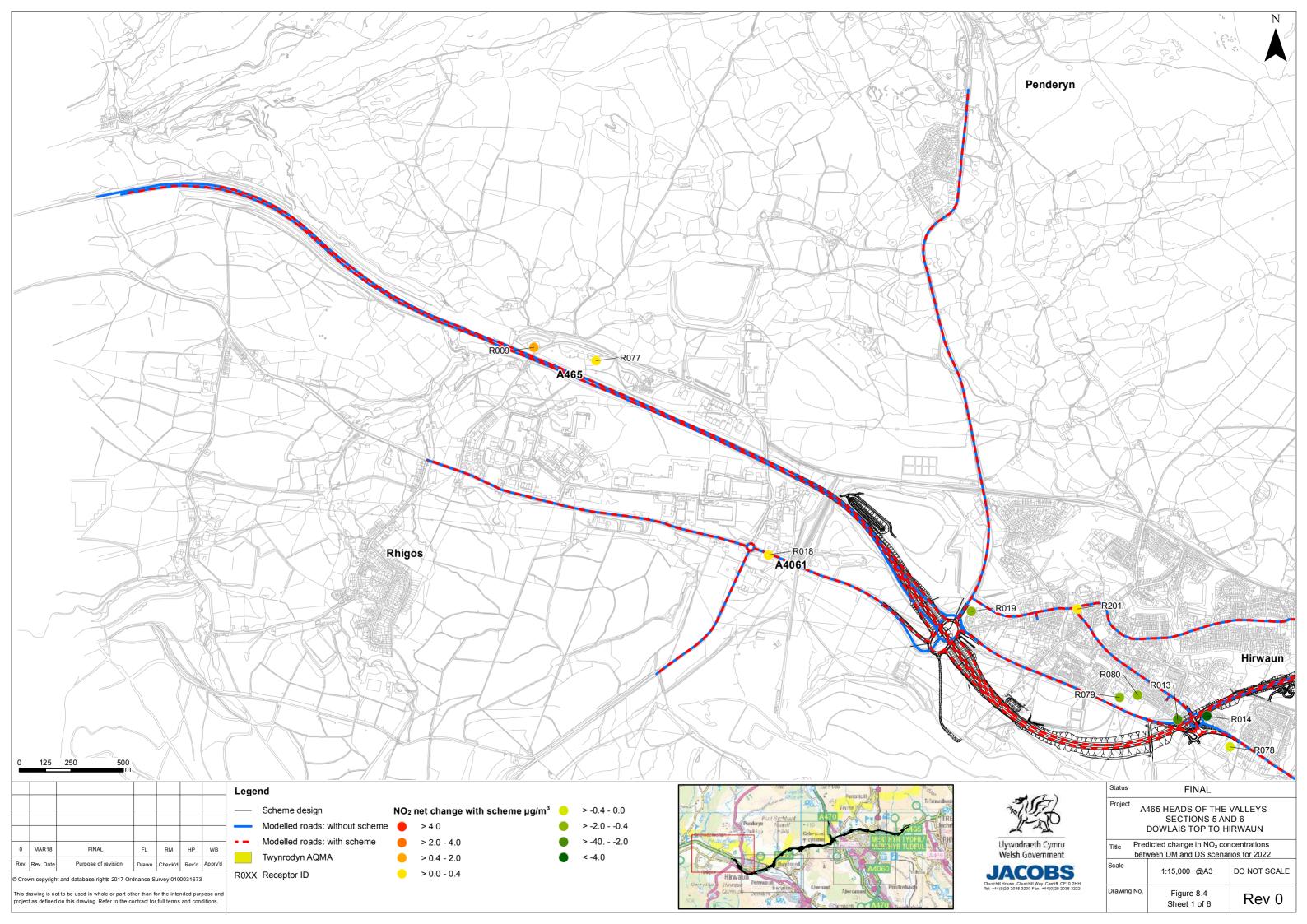


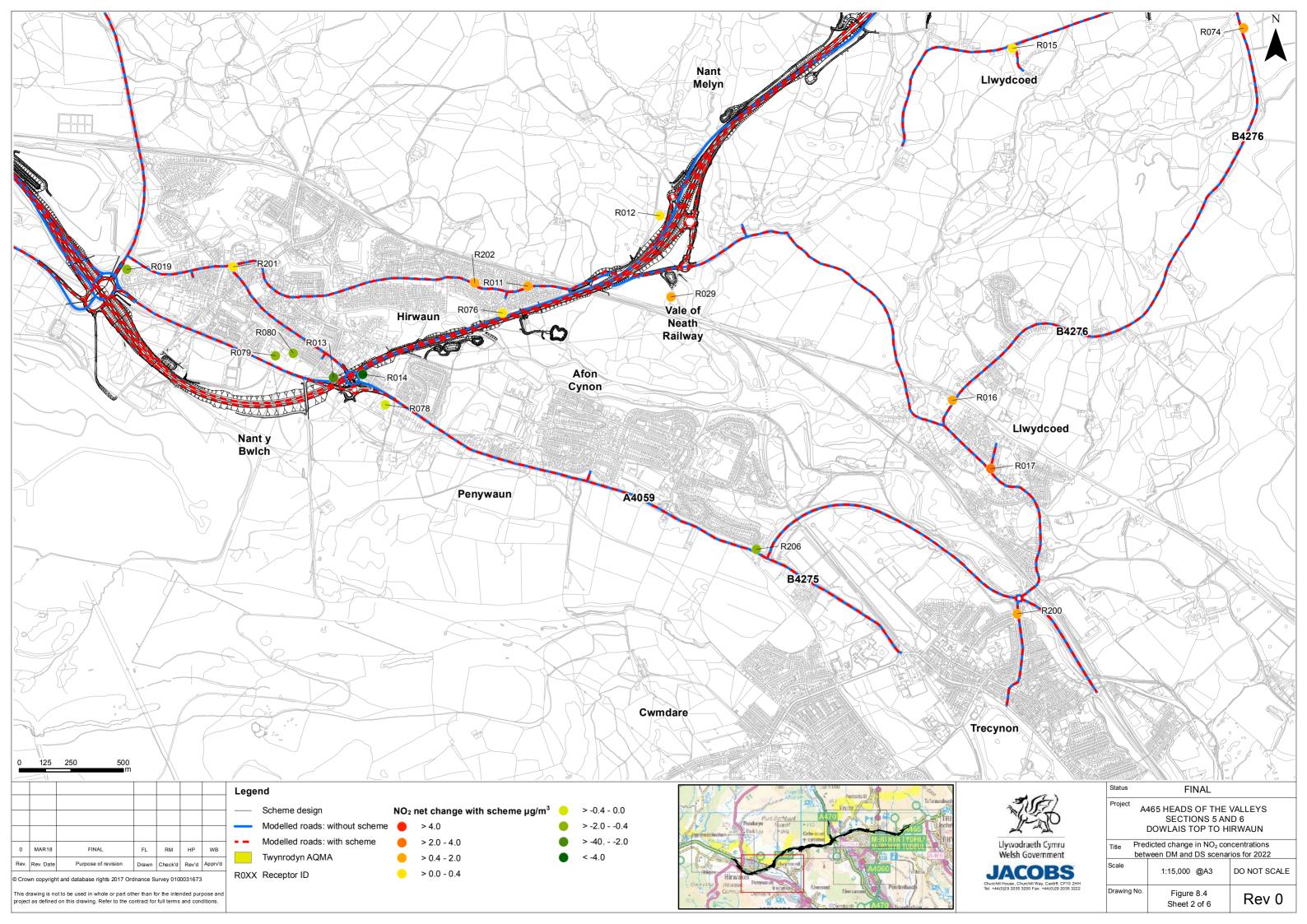


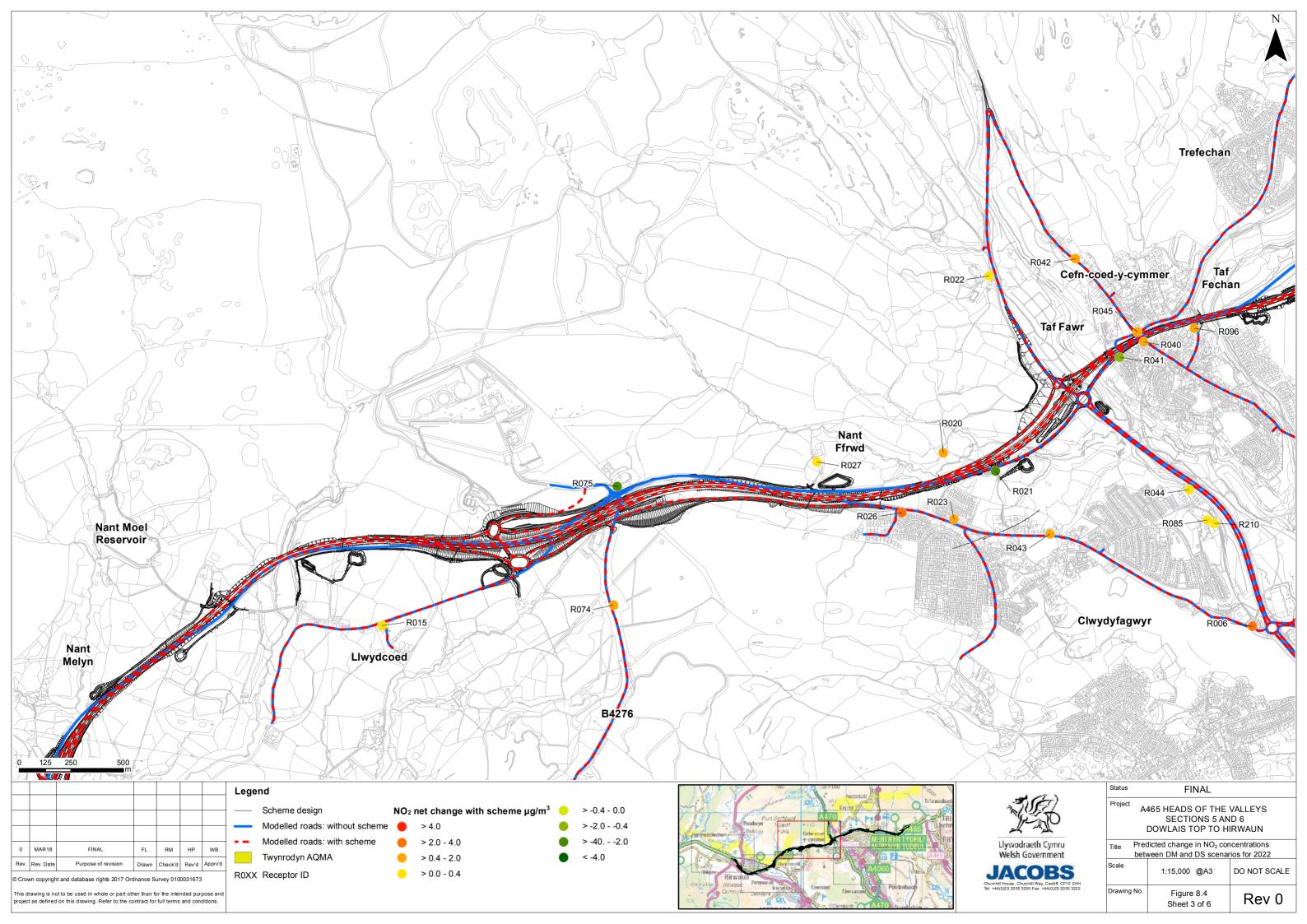


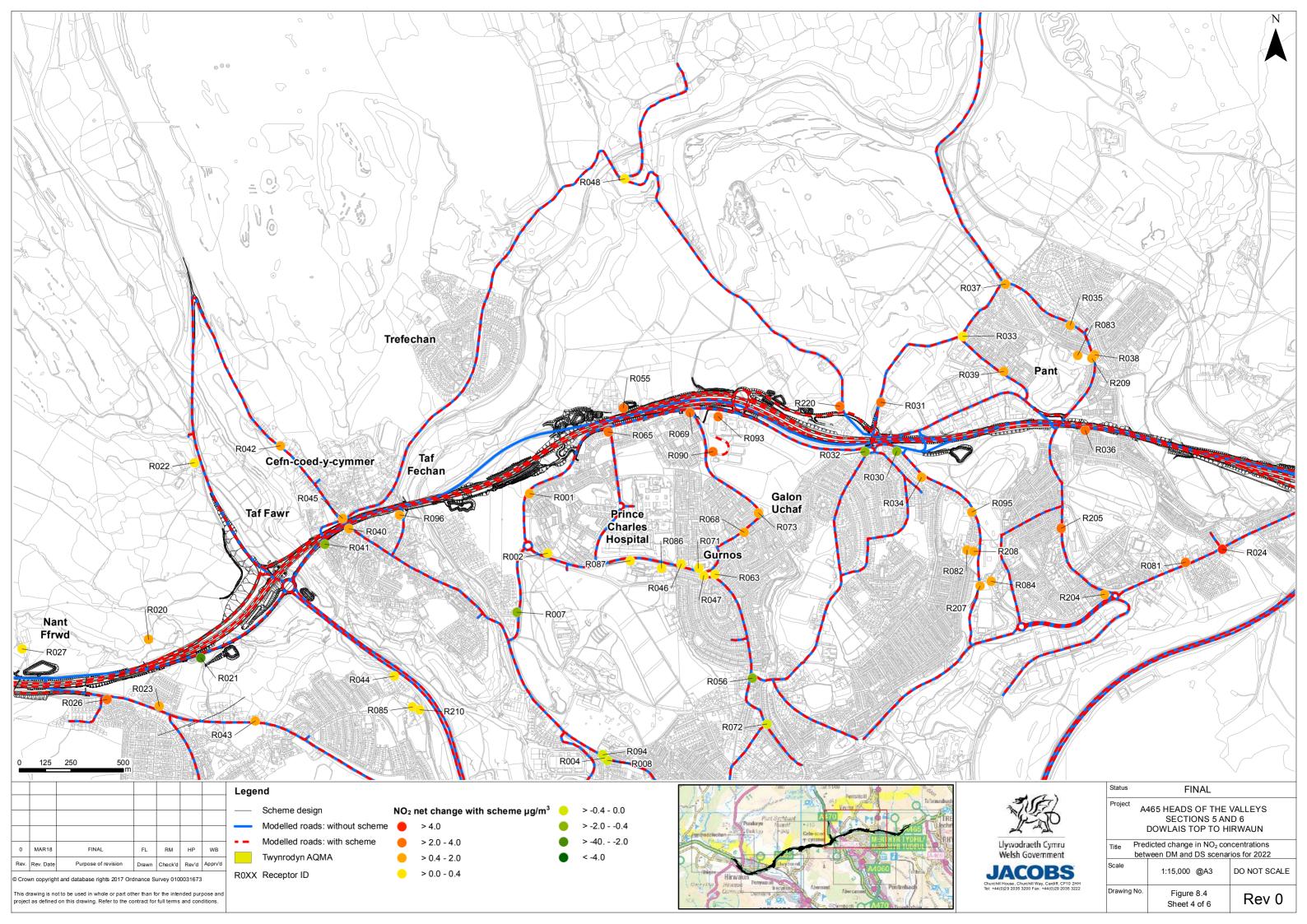


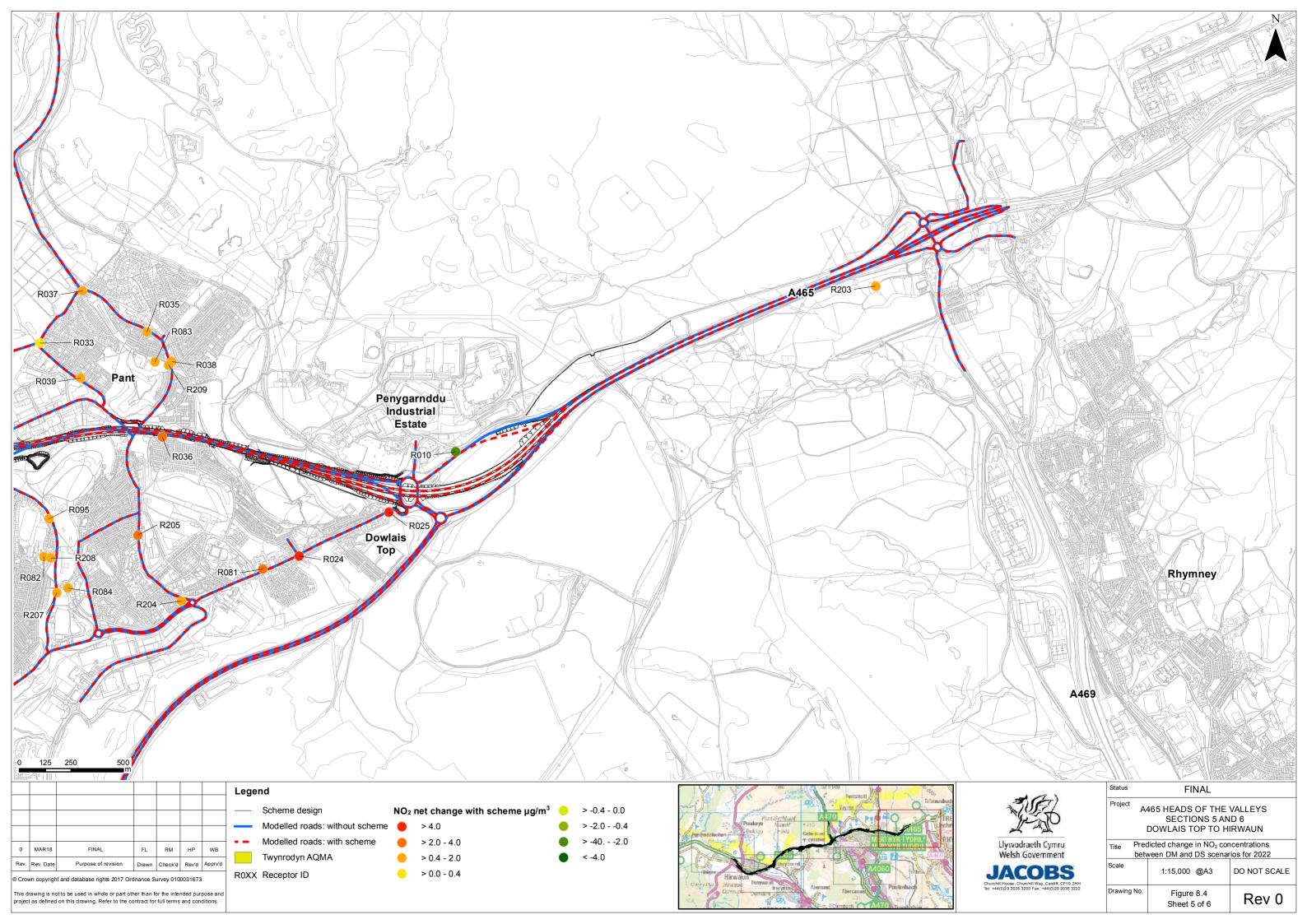


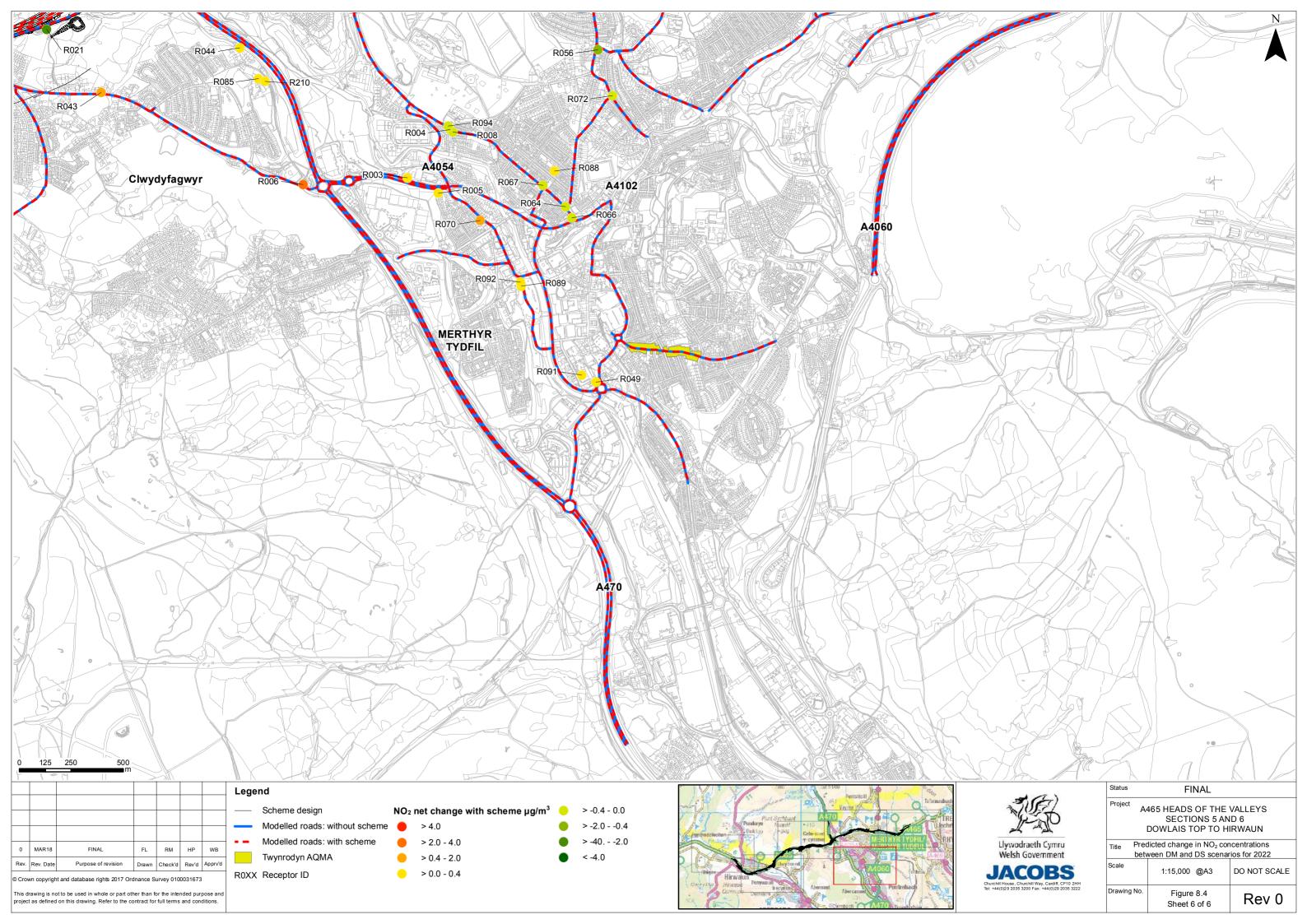


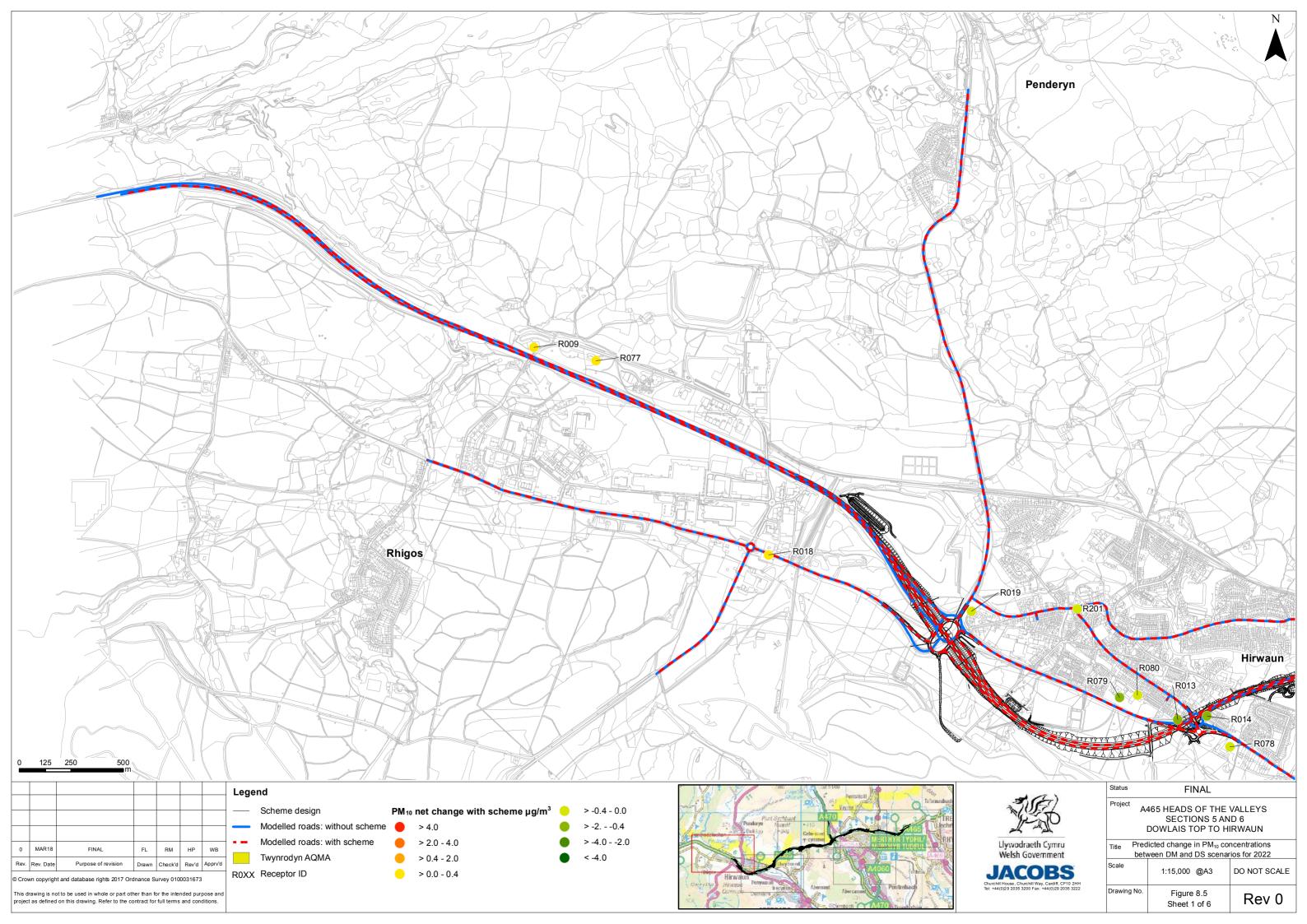


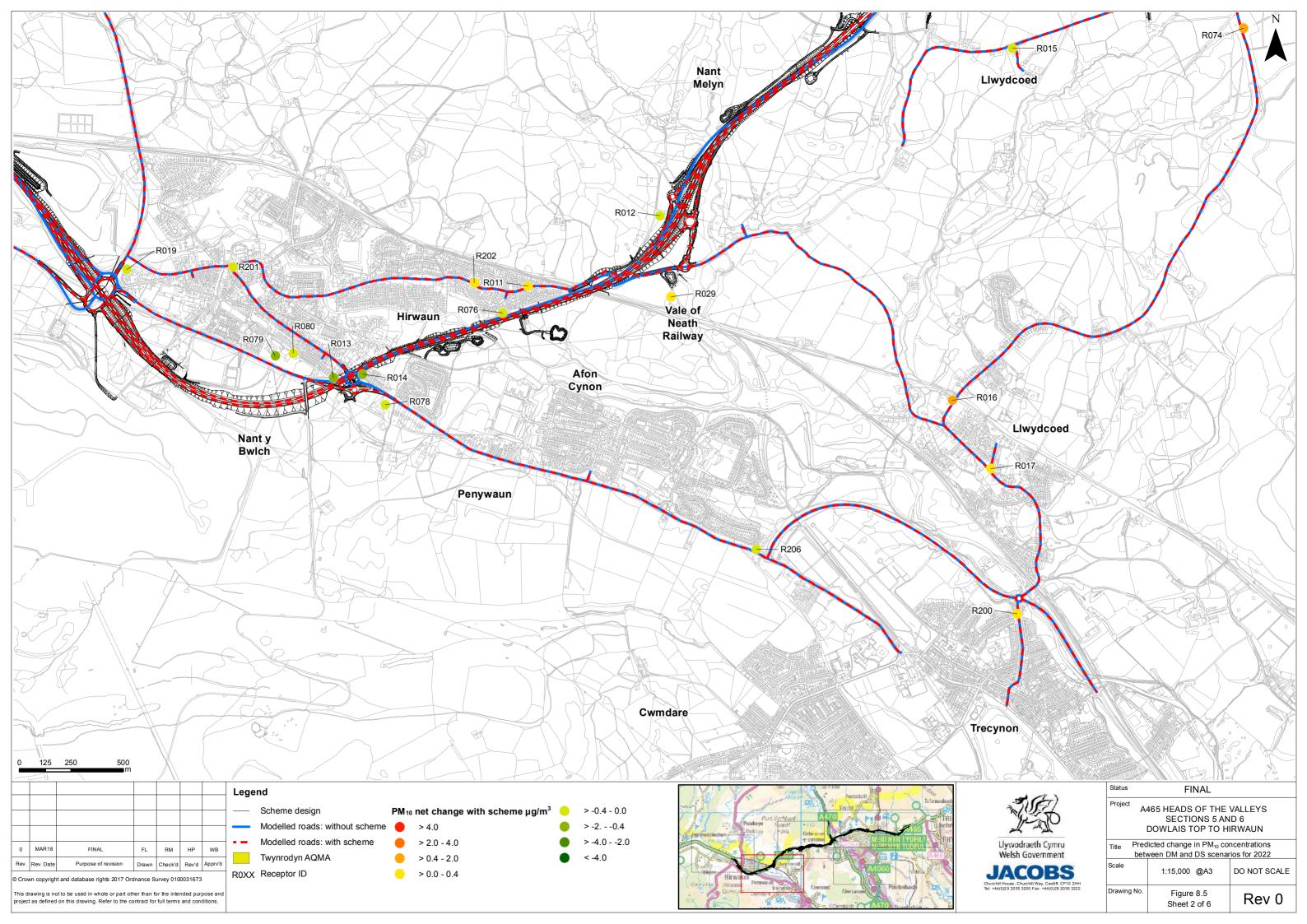


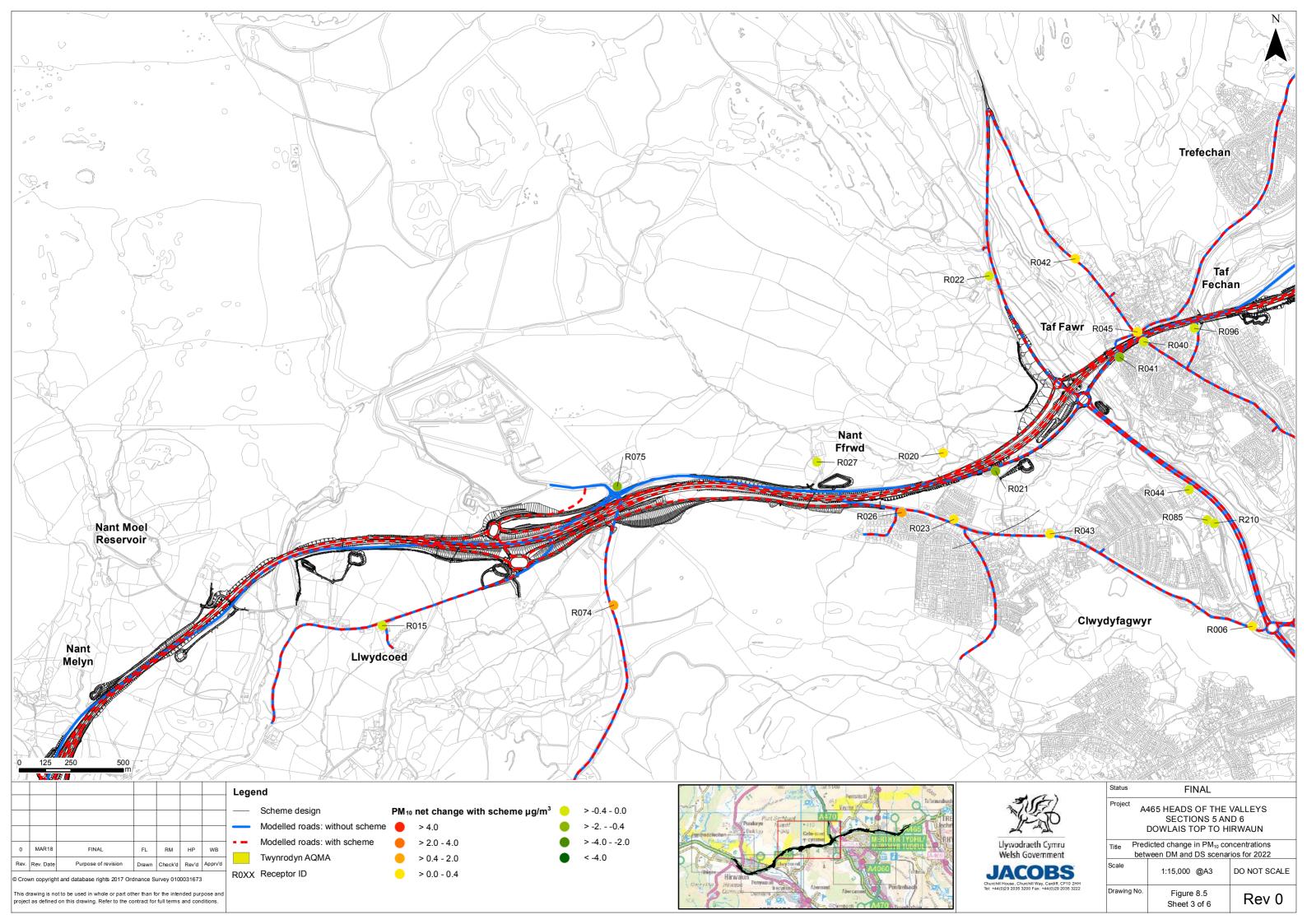


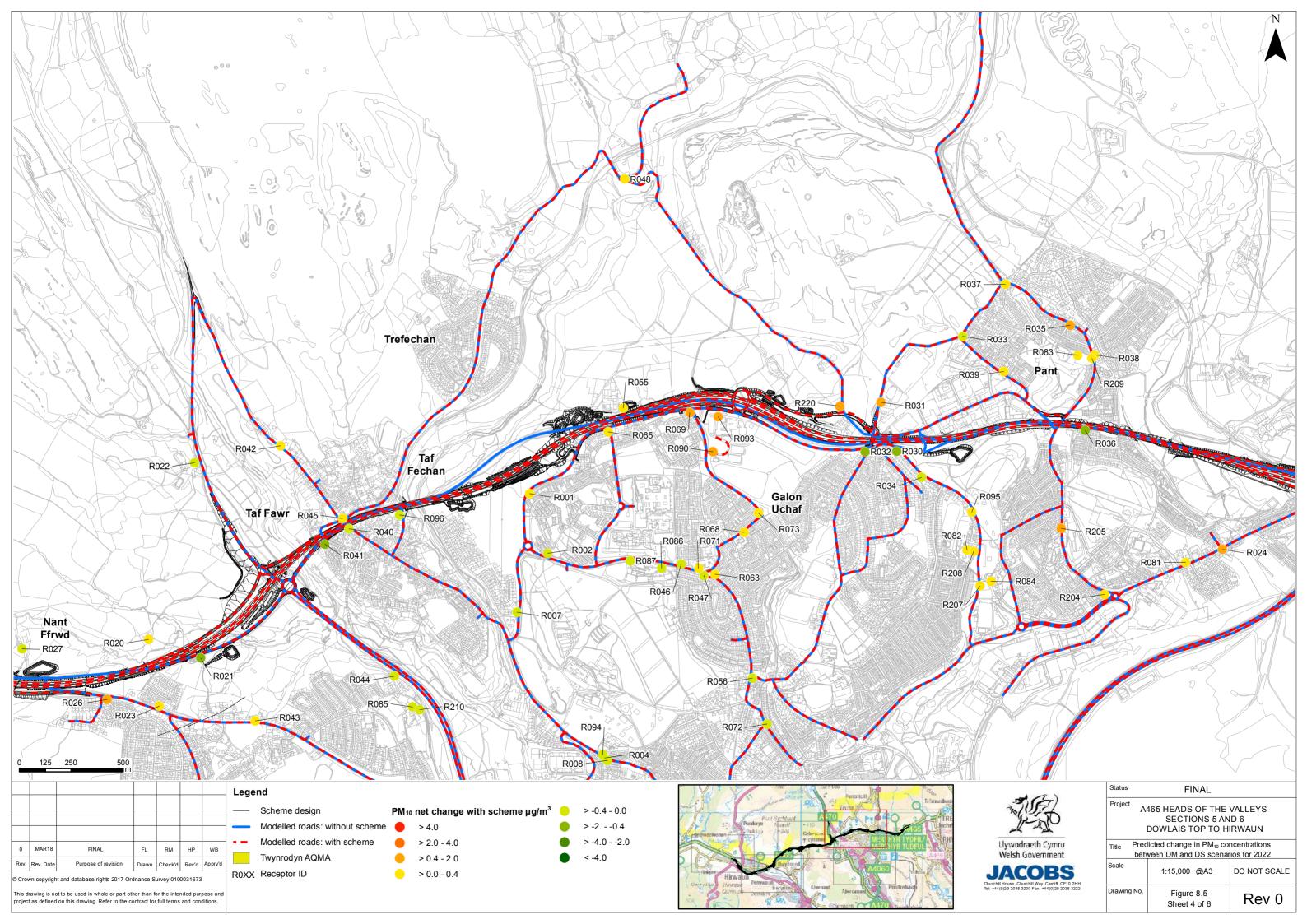


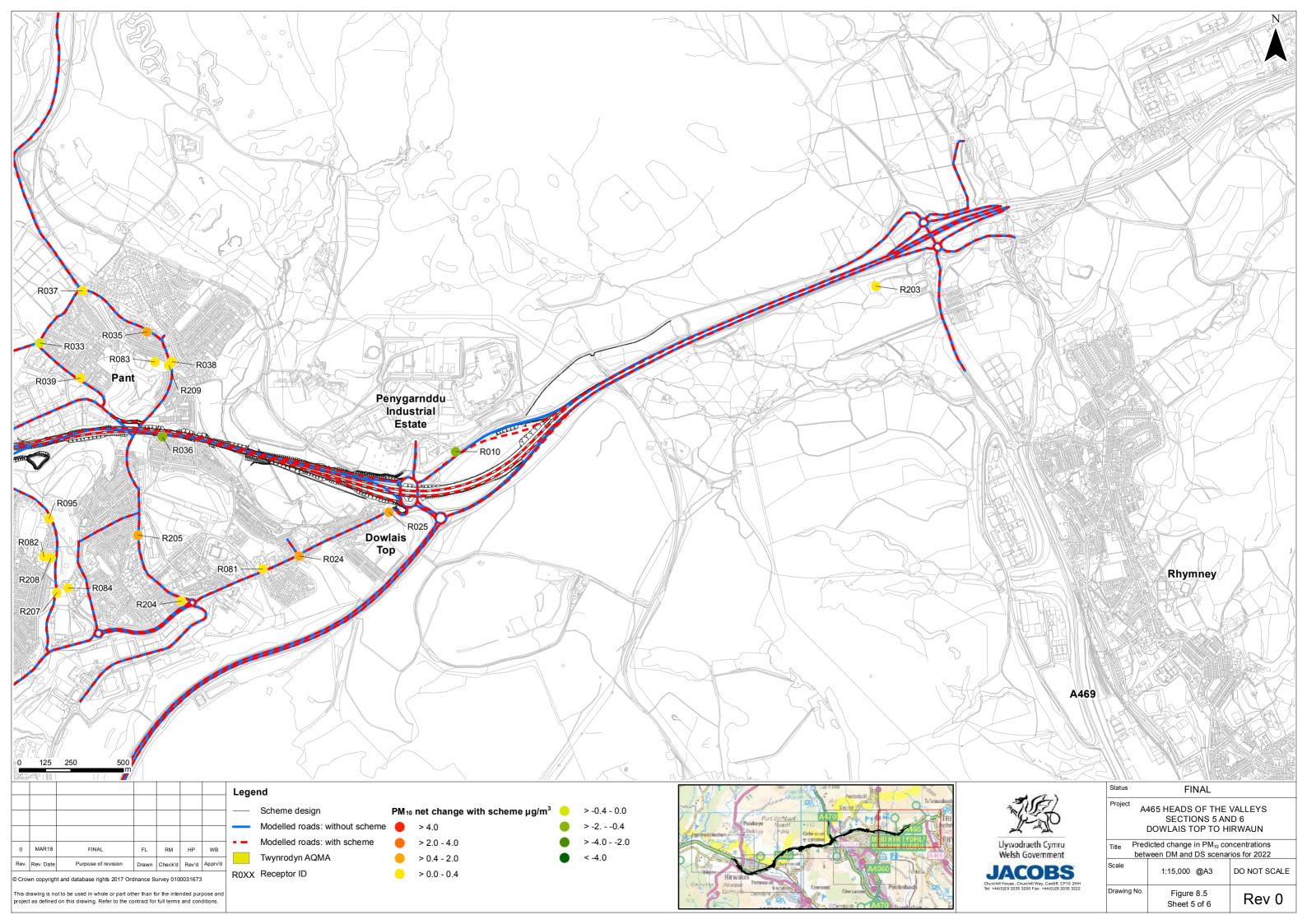


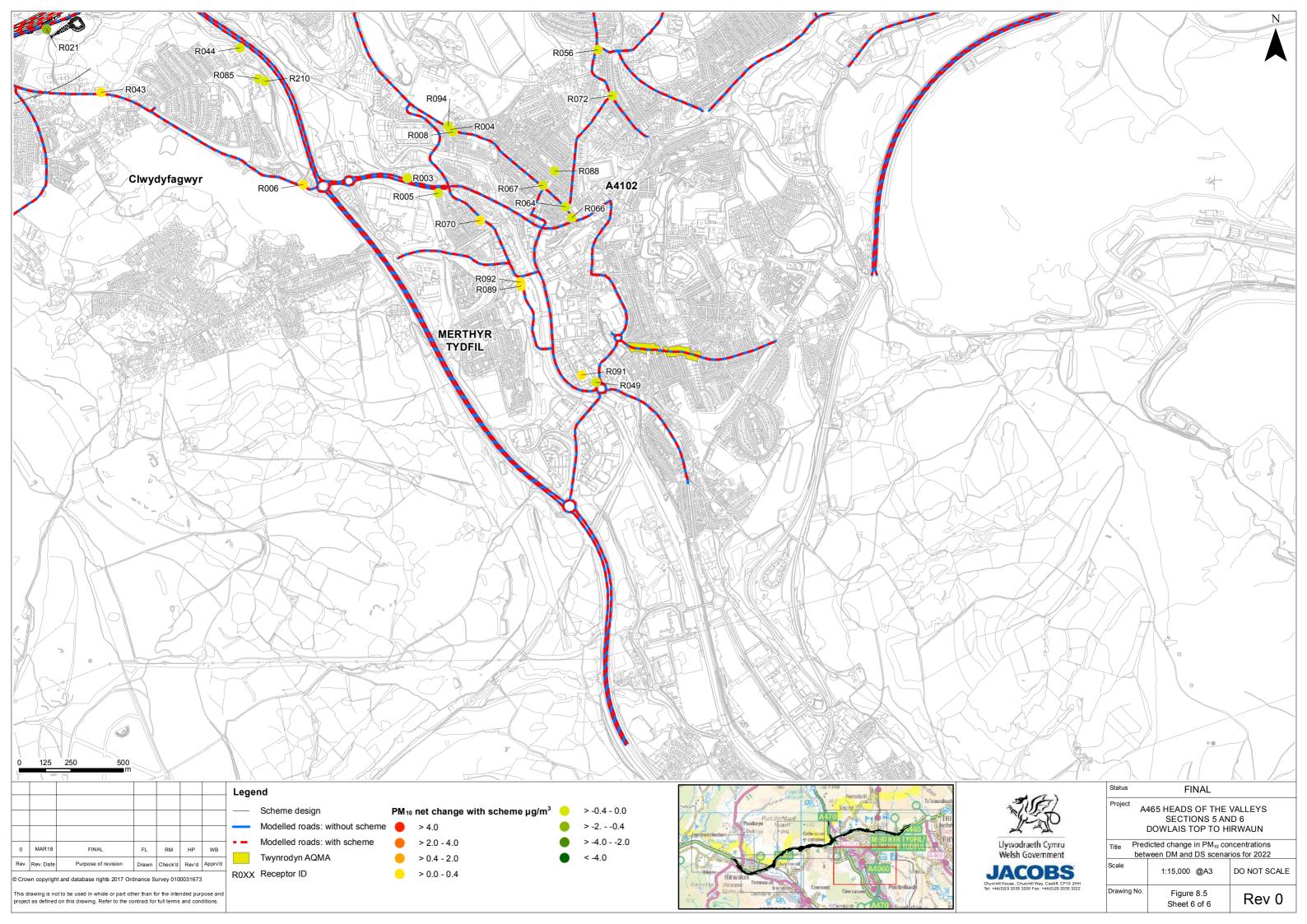












Environmental Statement Supplement Volume 3: Revised Figures

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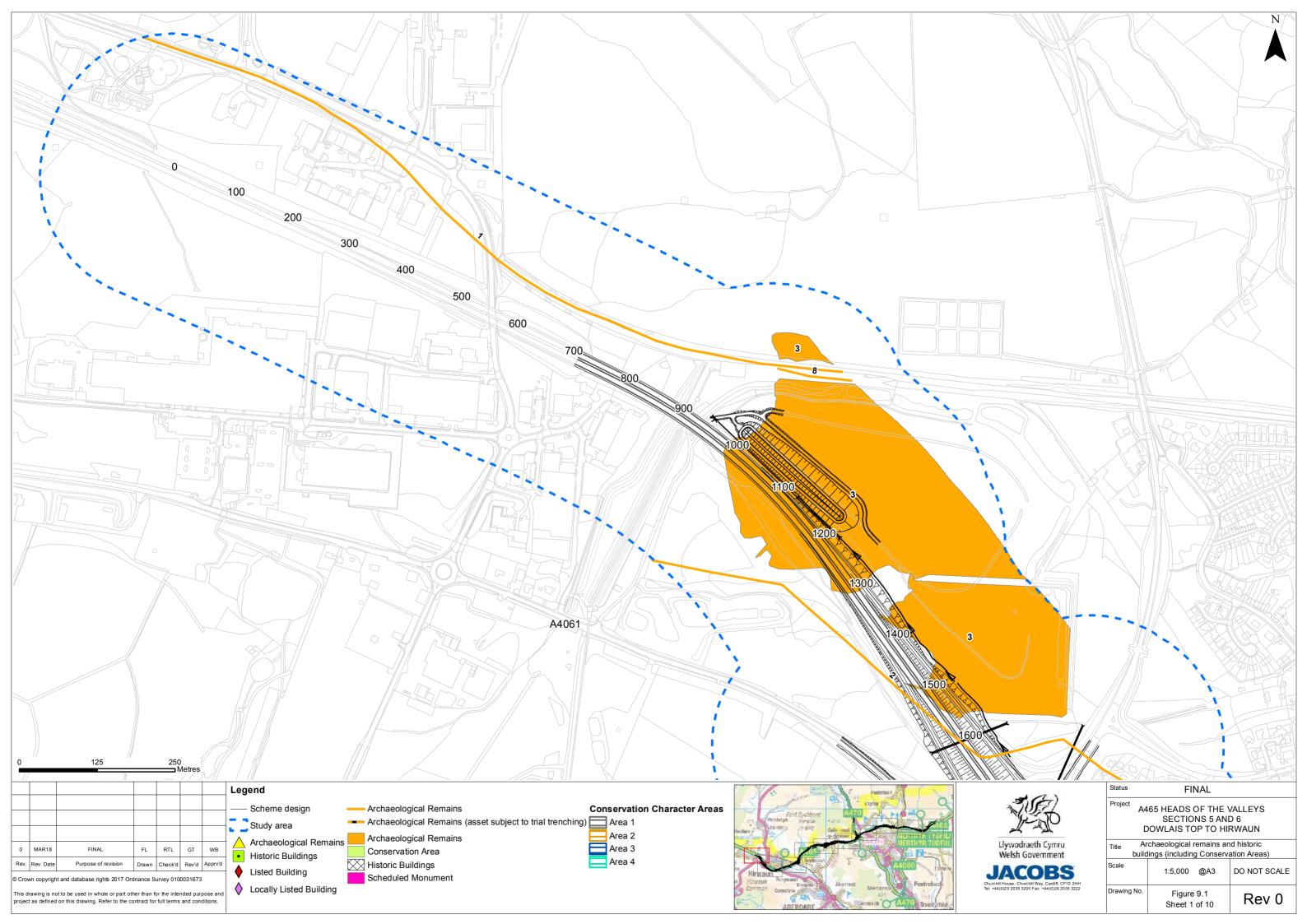
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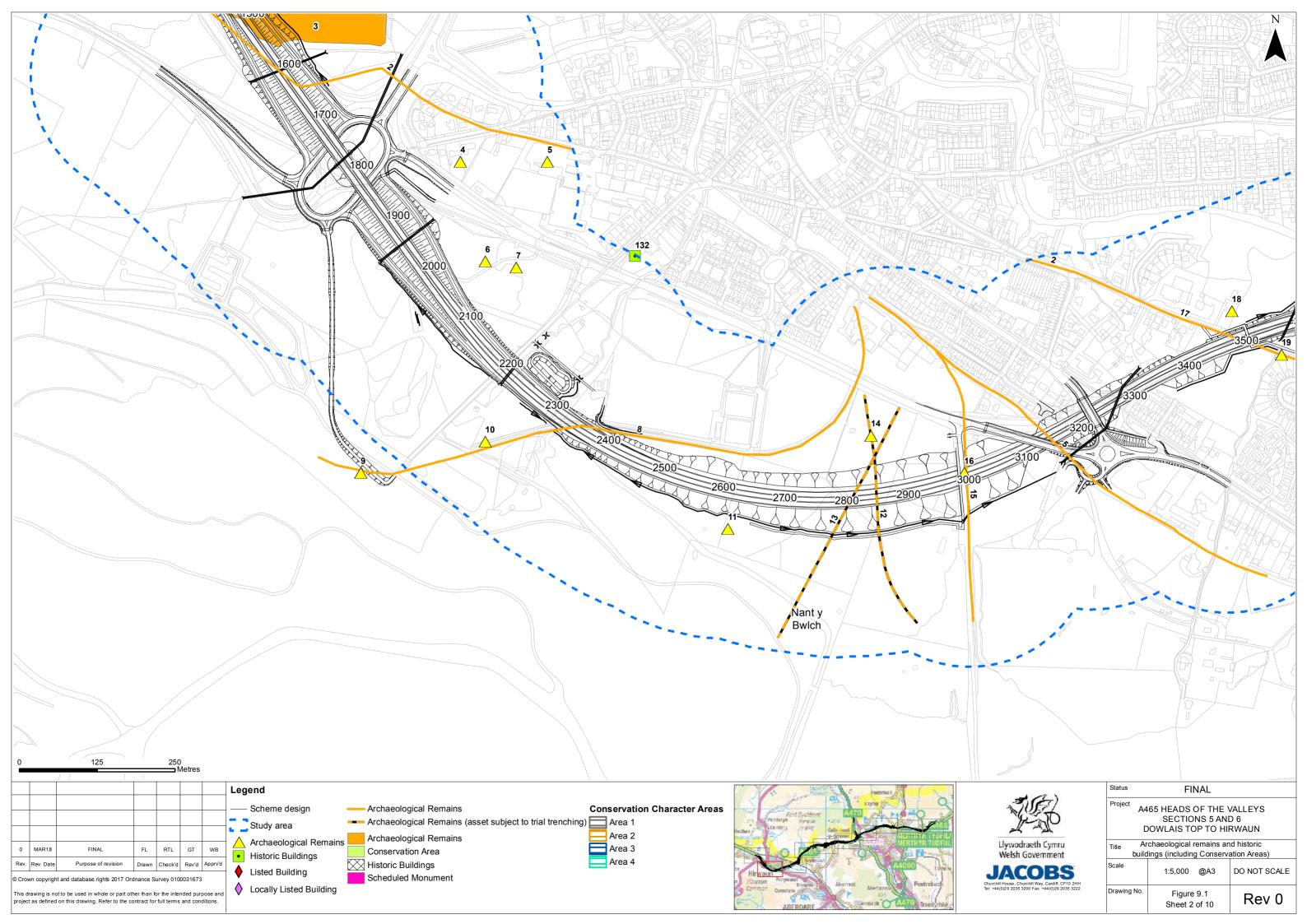
Figure 9.1	Archaeological Remains and Historic Building	s (including Conservation Areas)

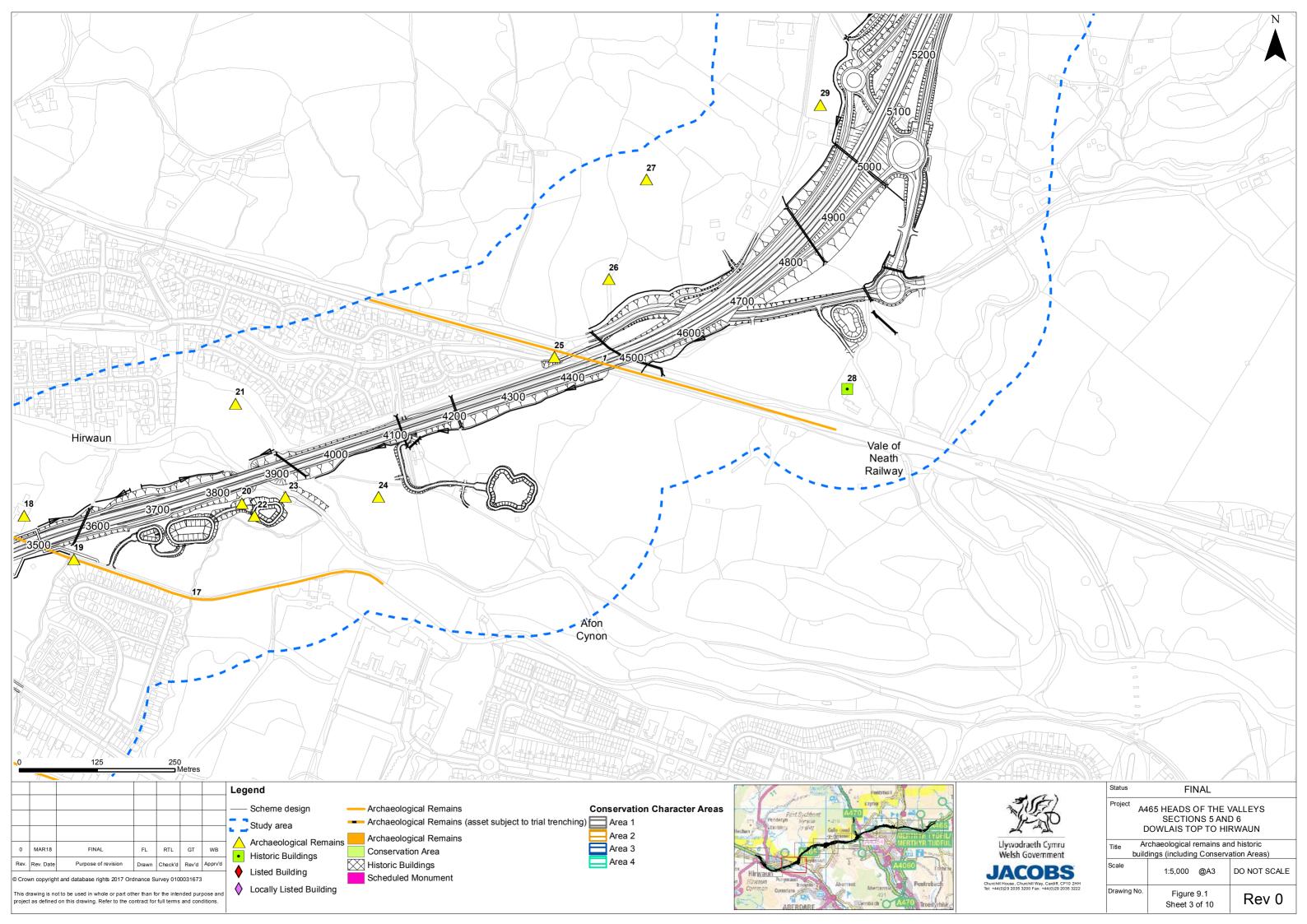
Figure 9.2 Historic Landscape Character Areas

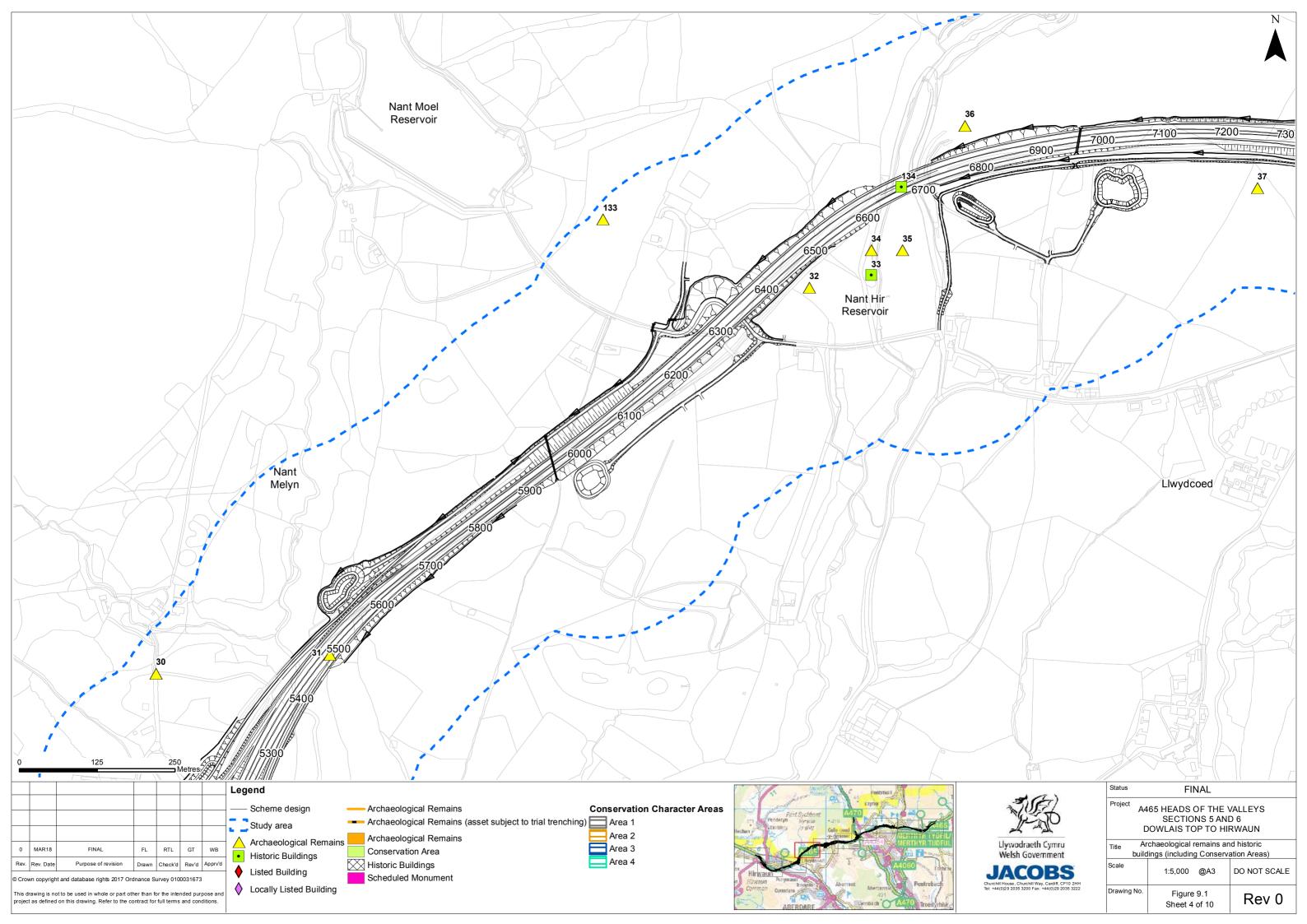
Figure 9.3 Registered Historic Landscapes

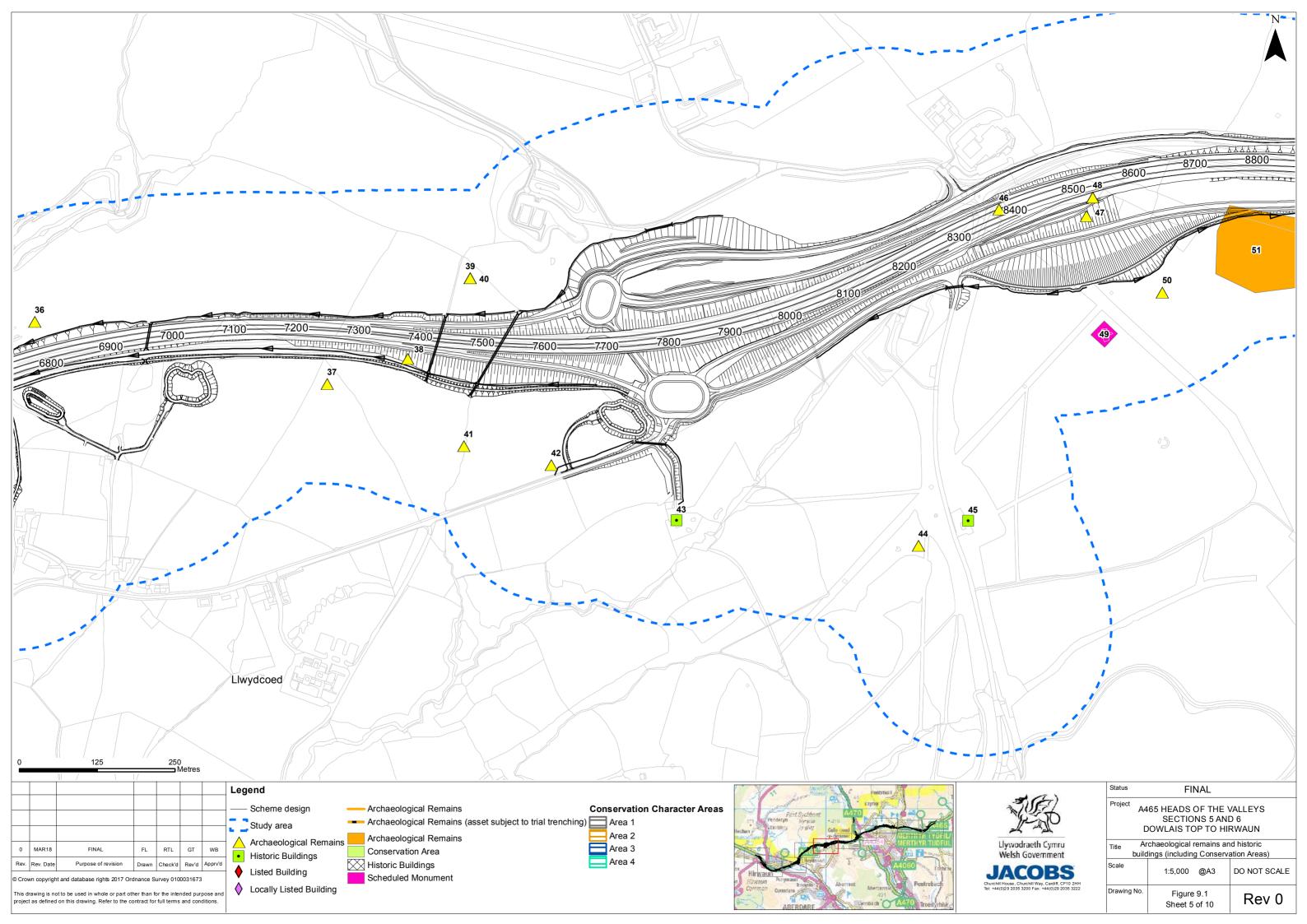


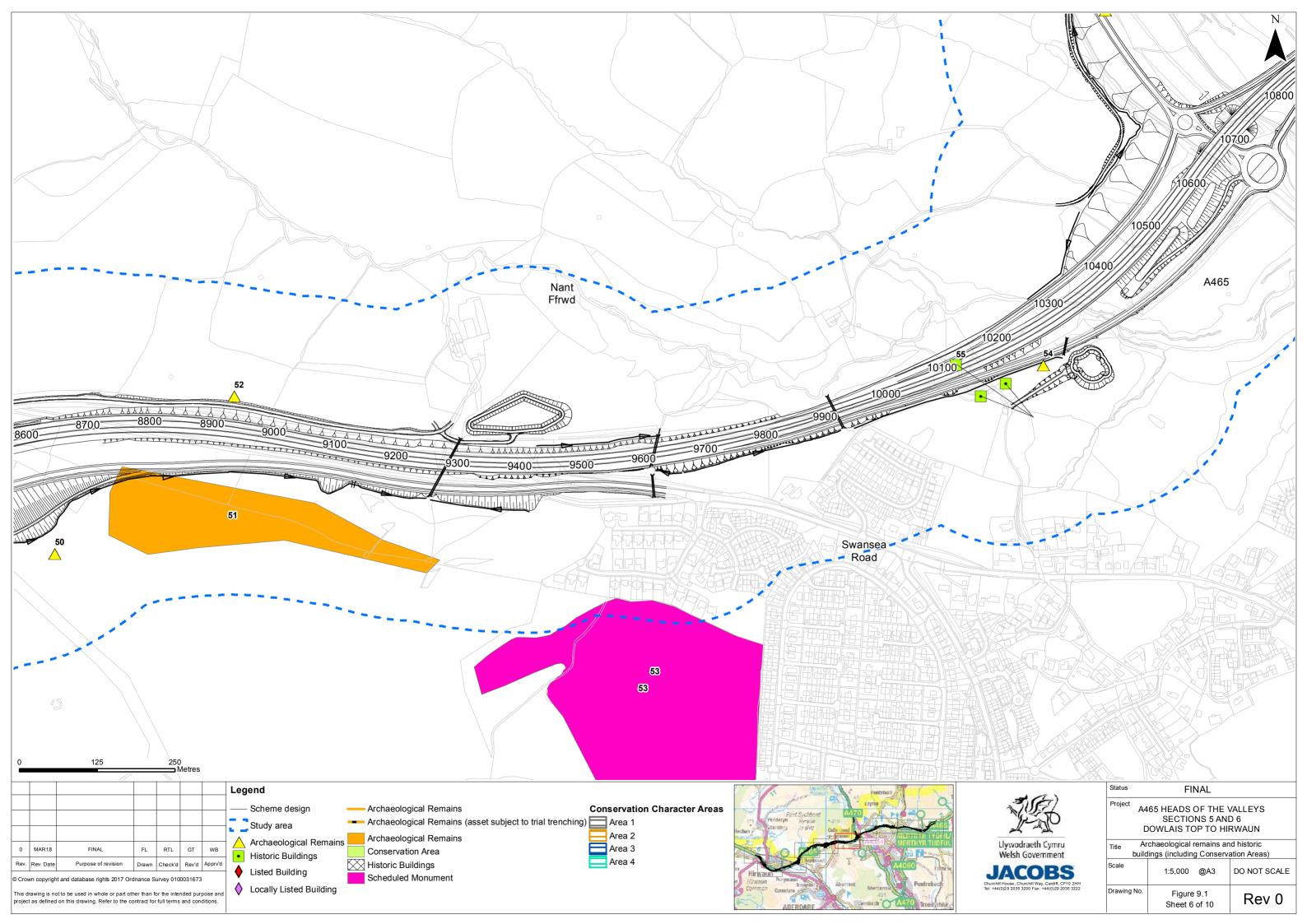


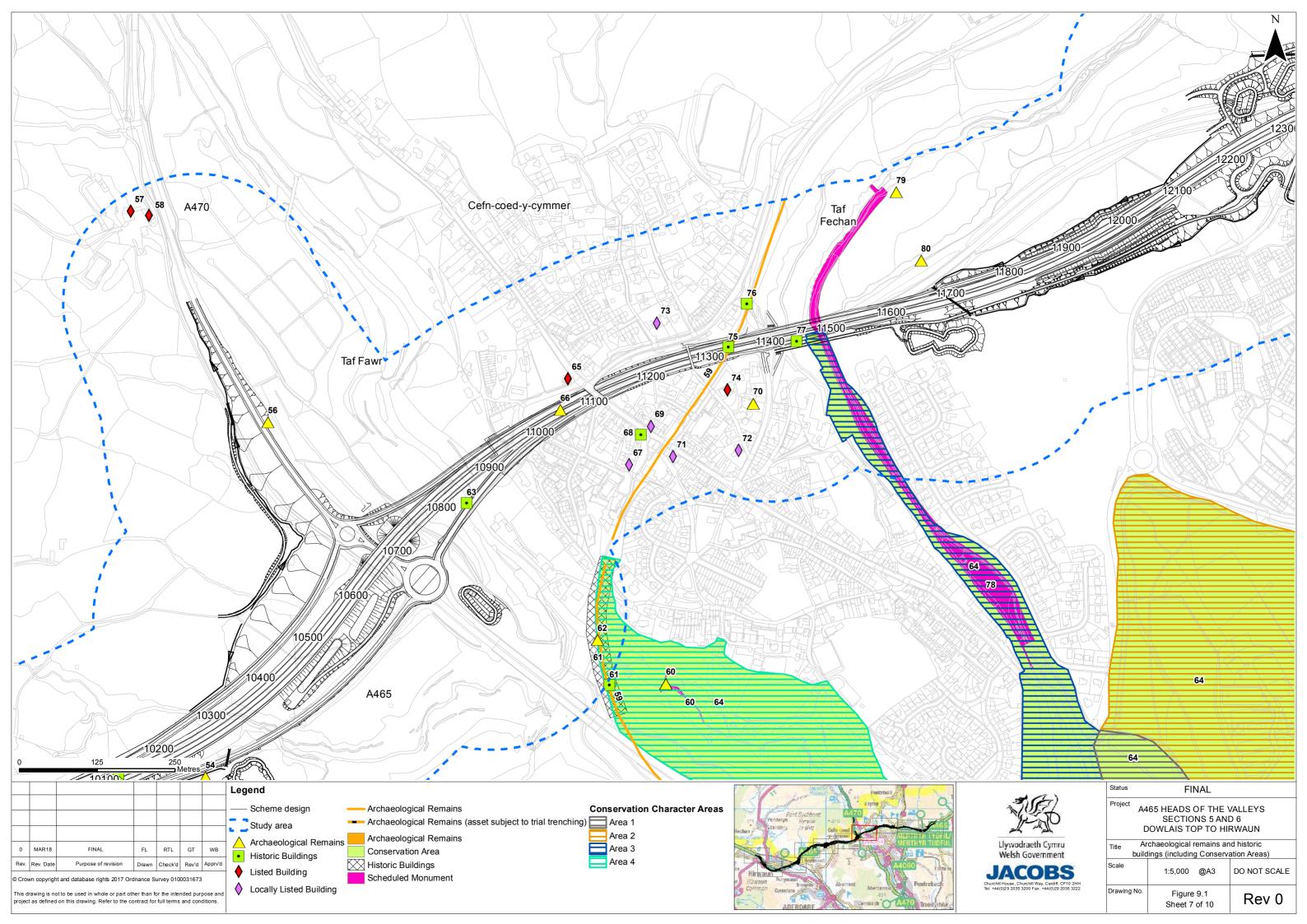


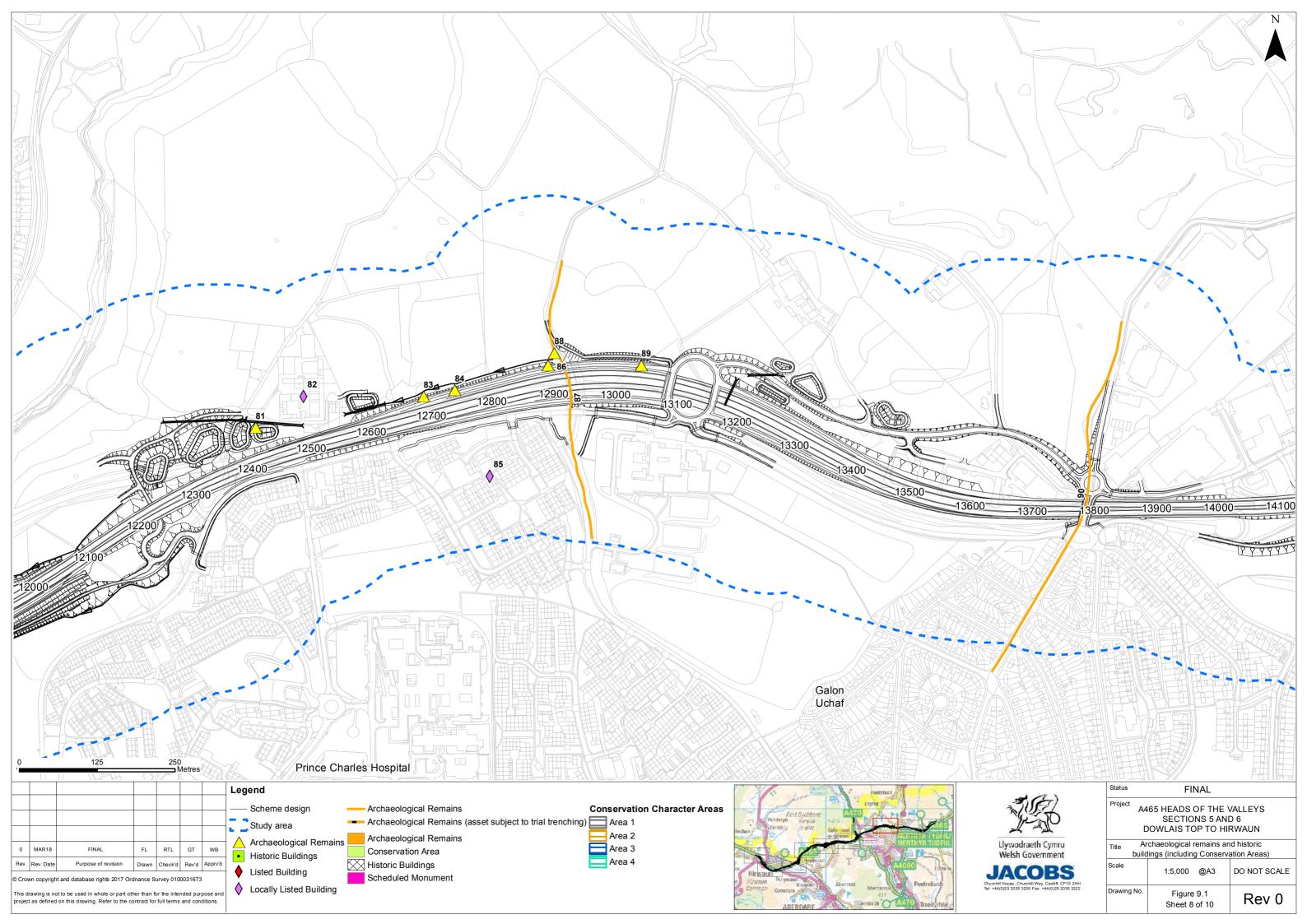


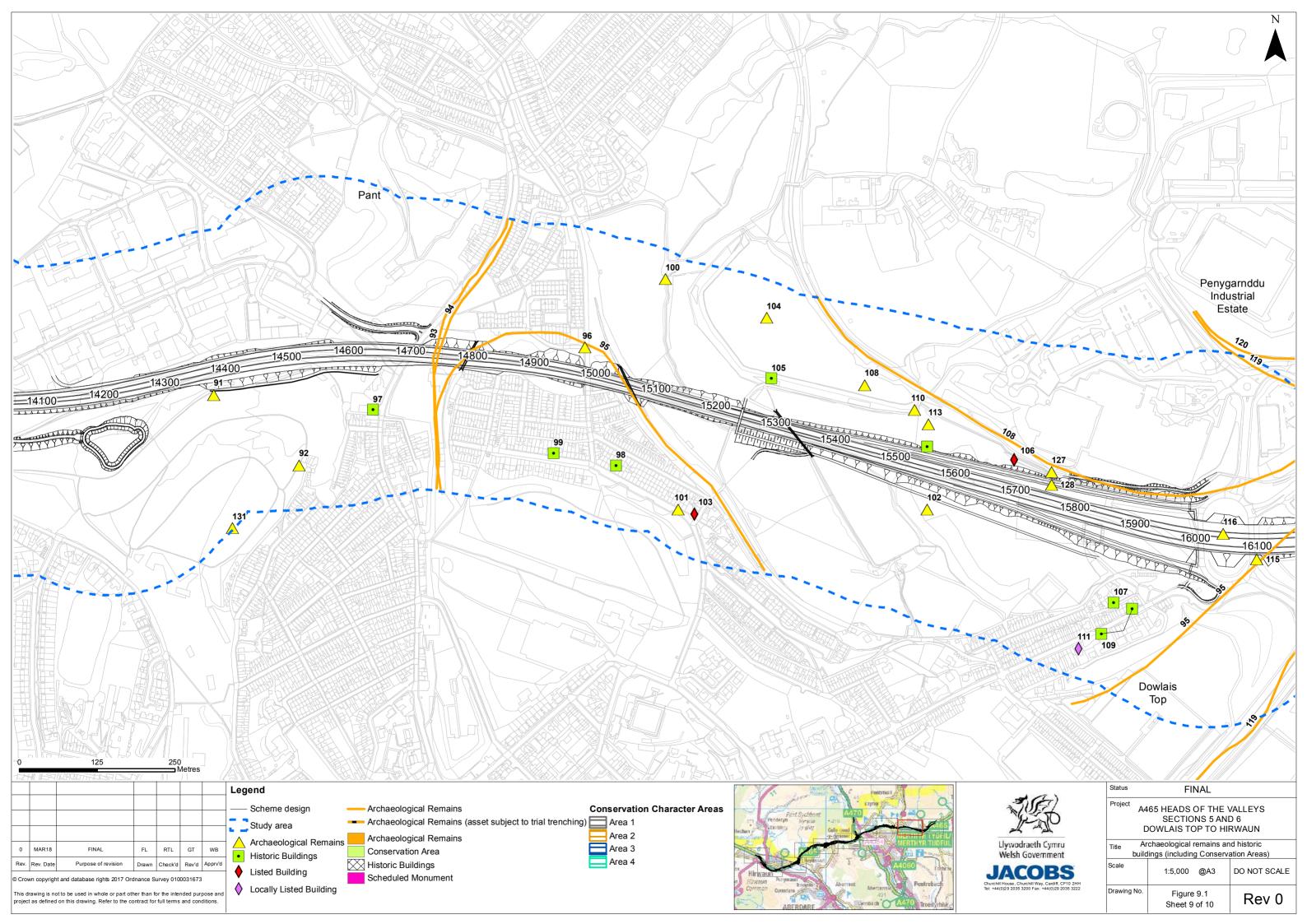


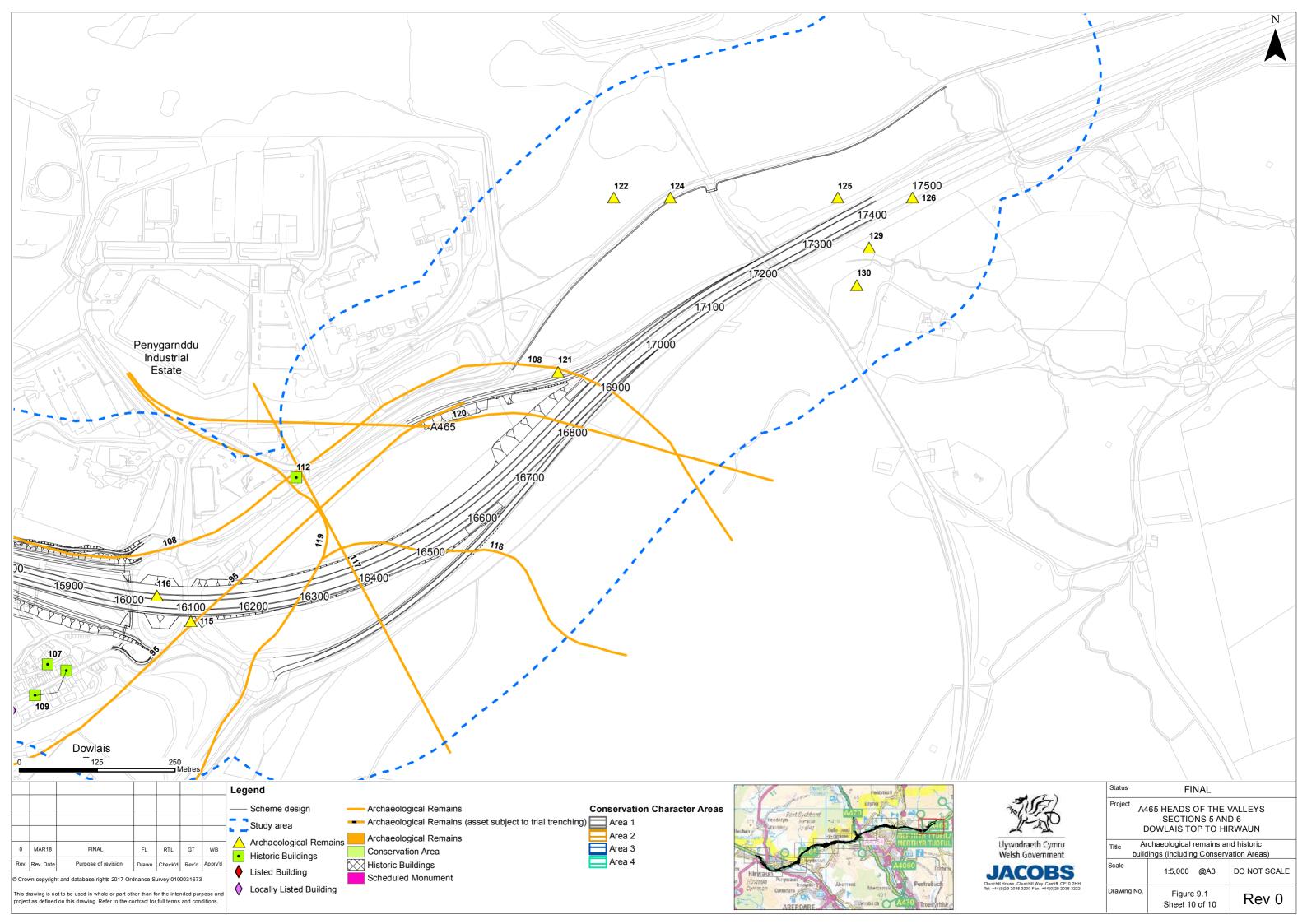


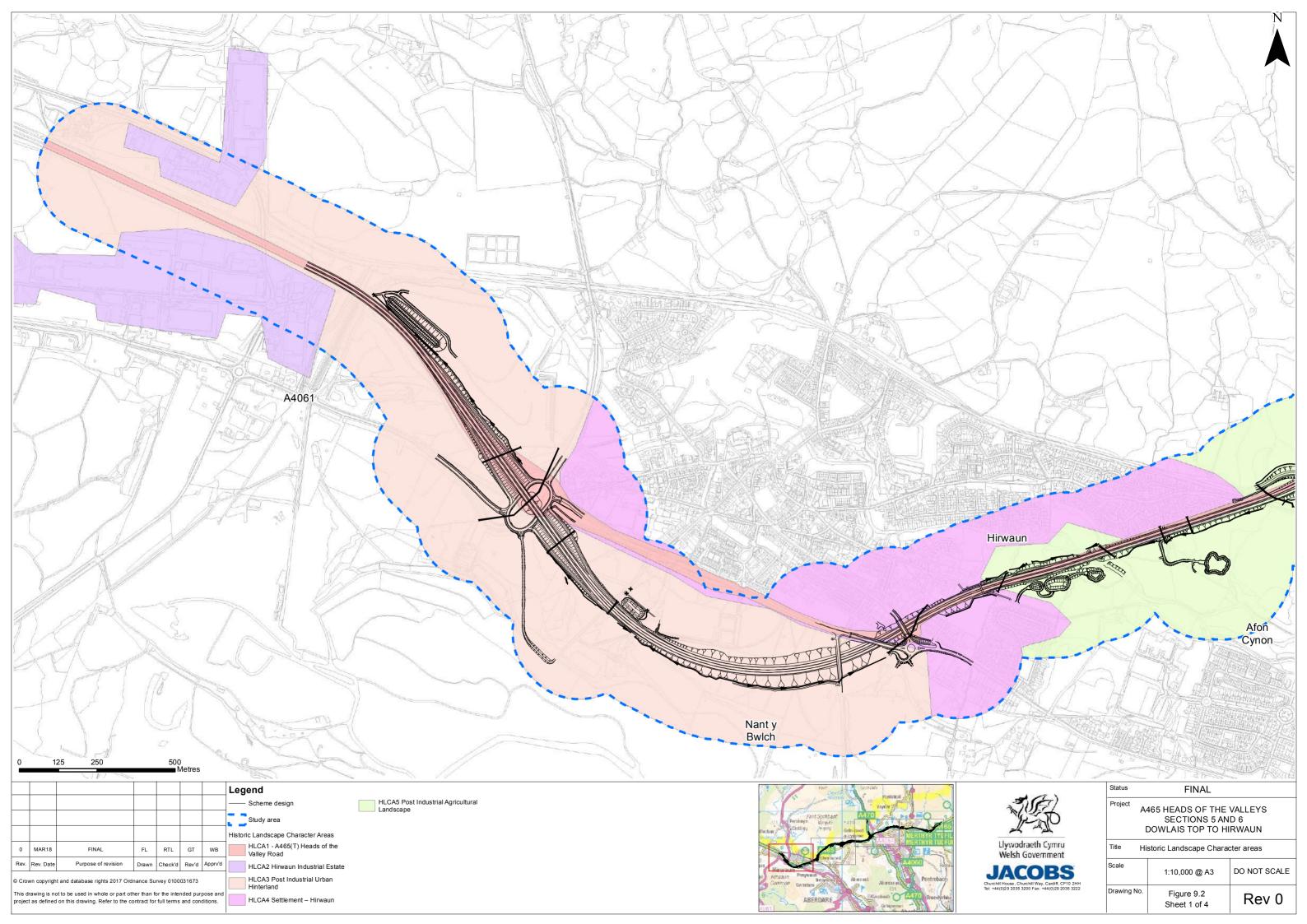


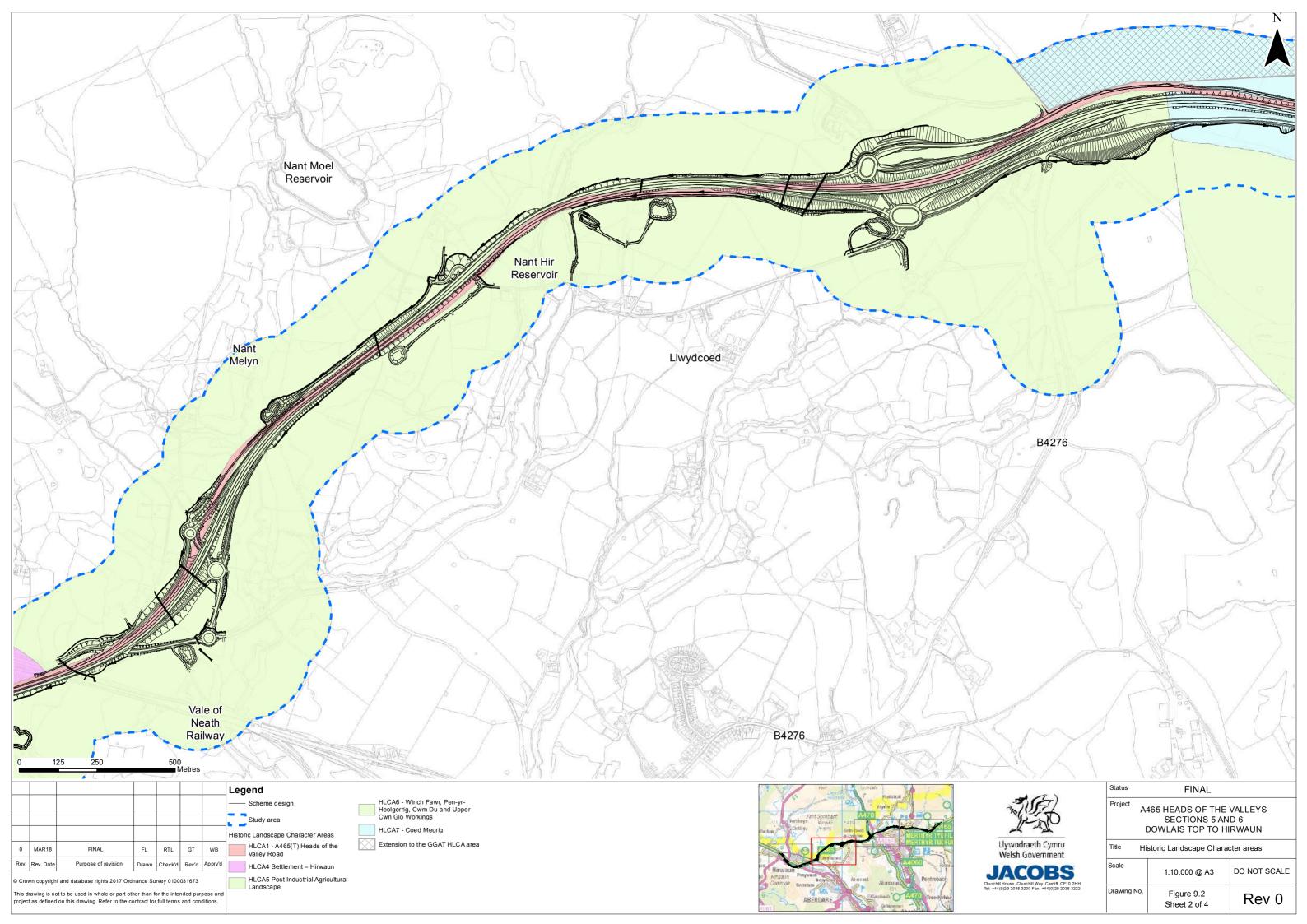


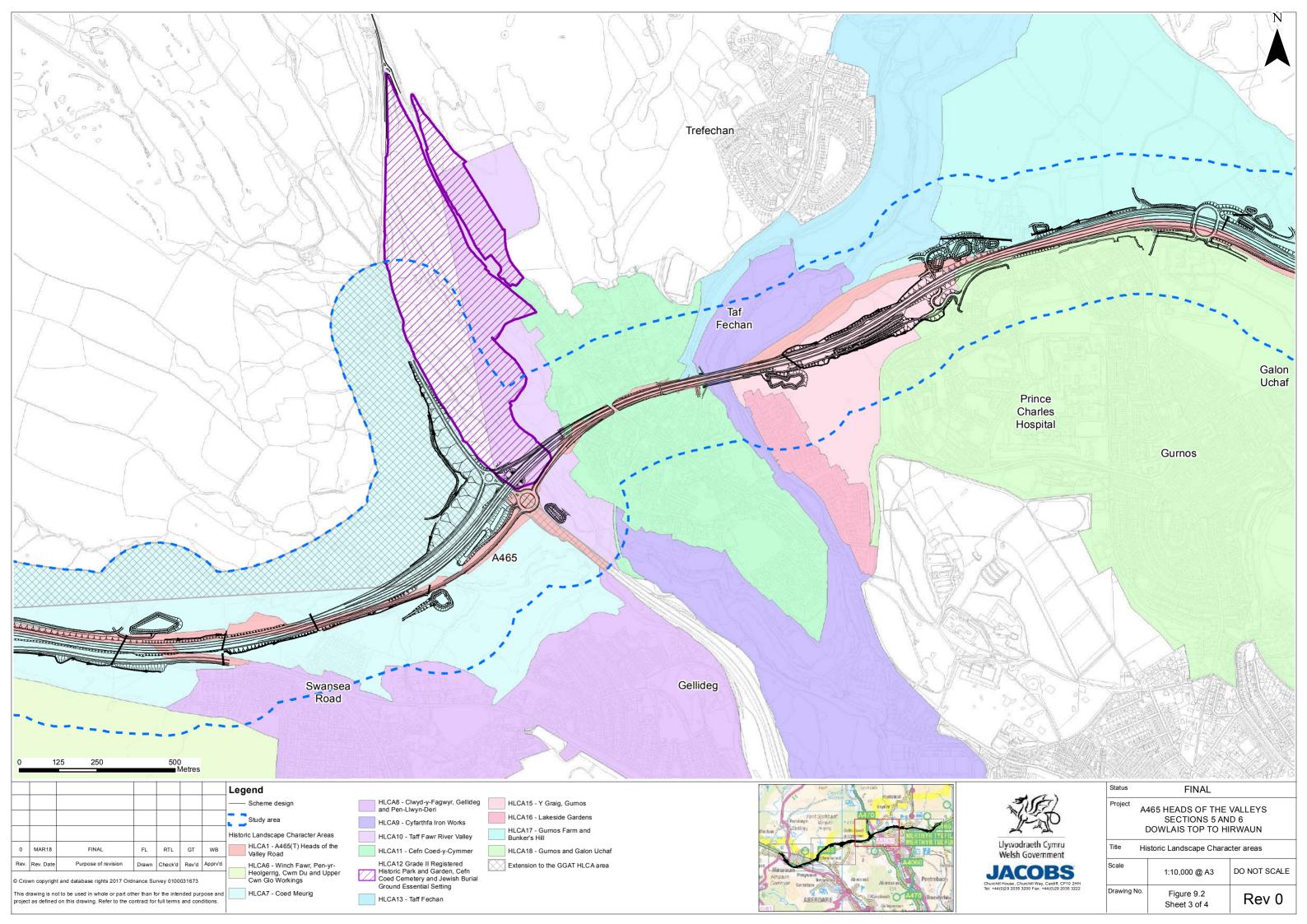


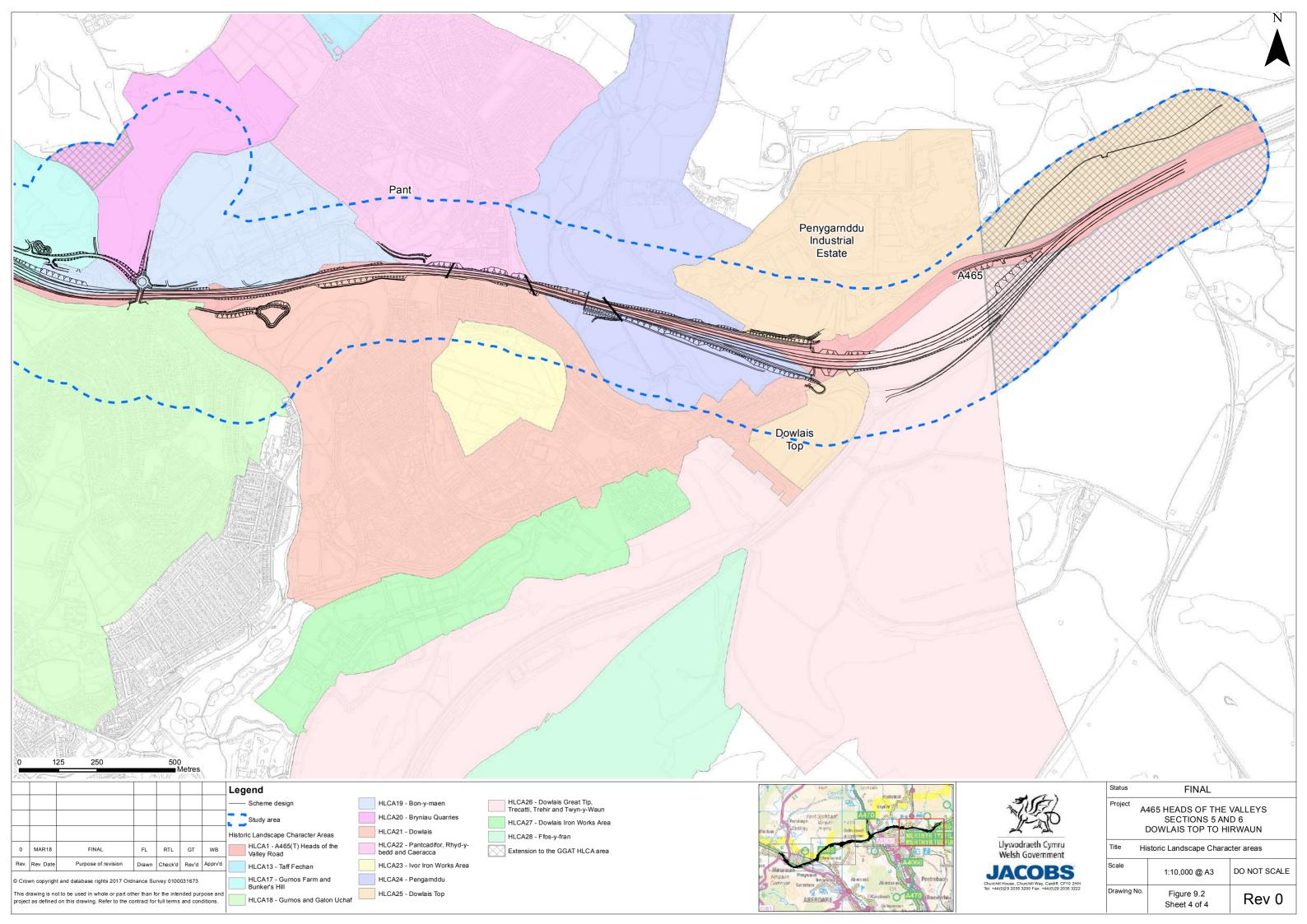


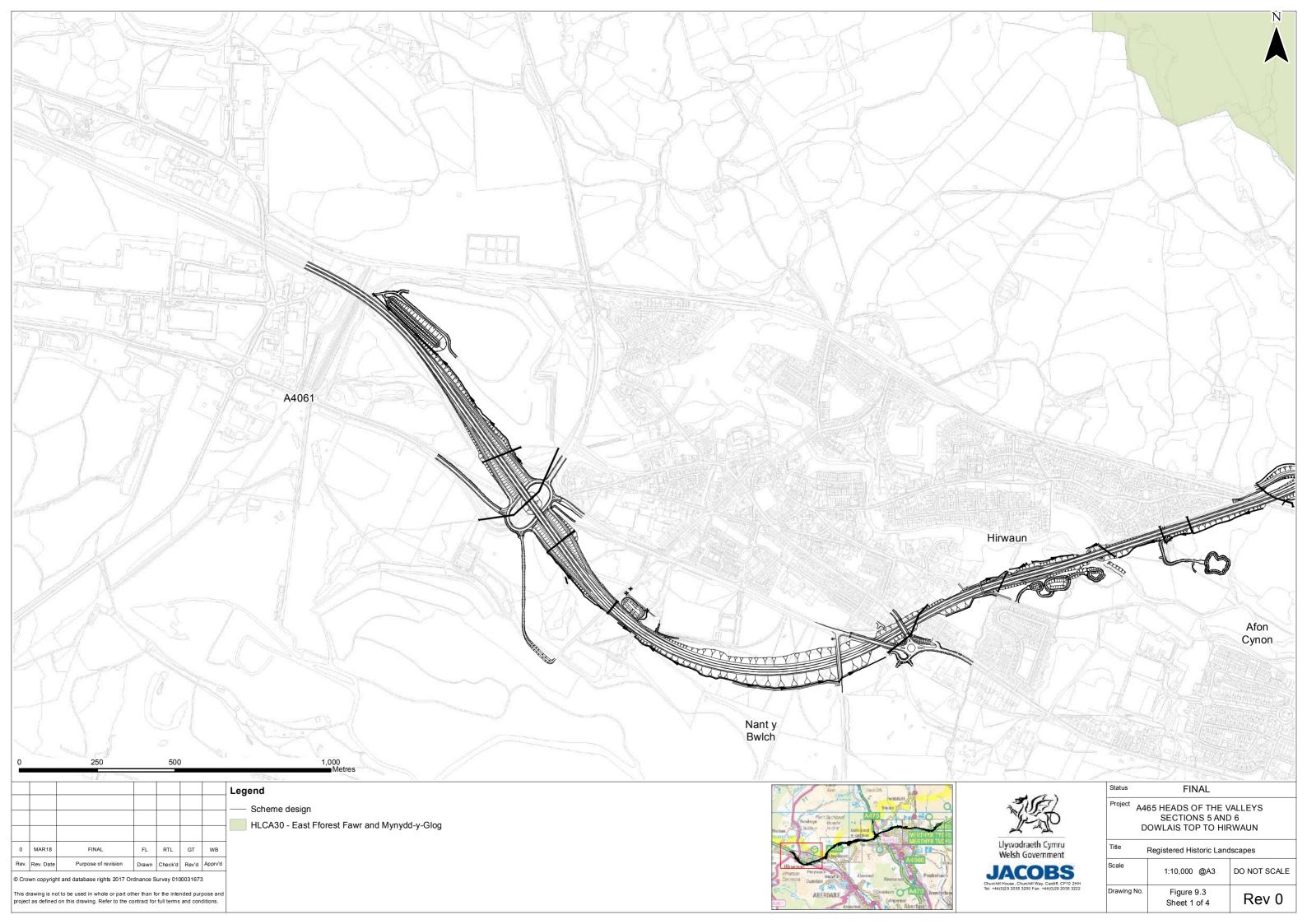


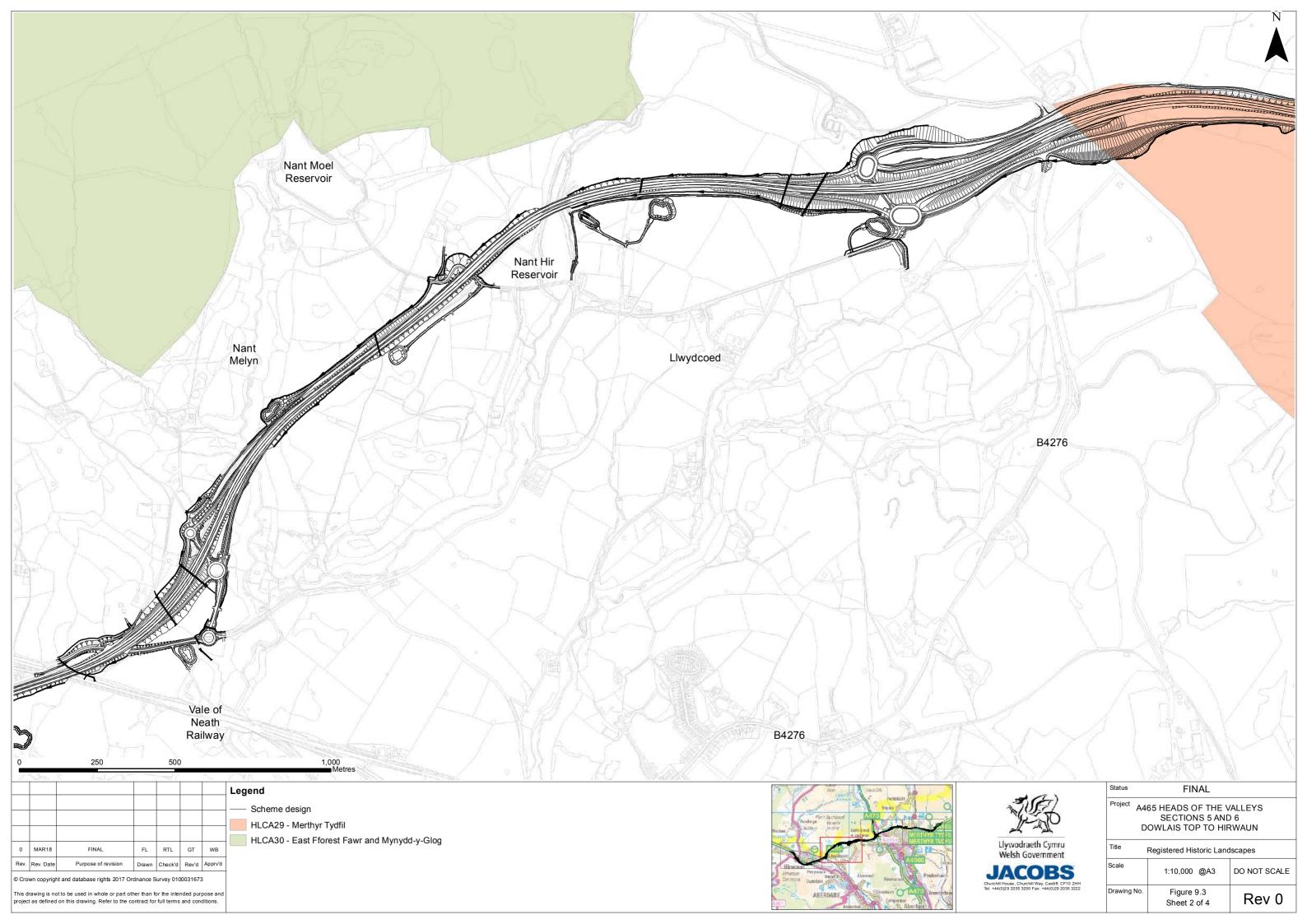


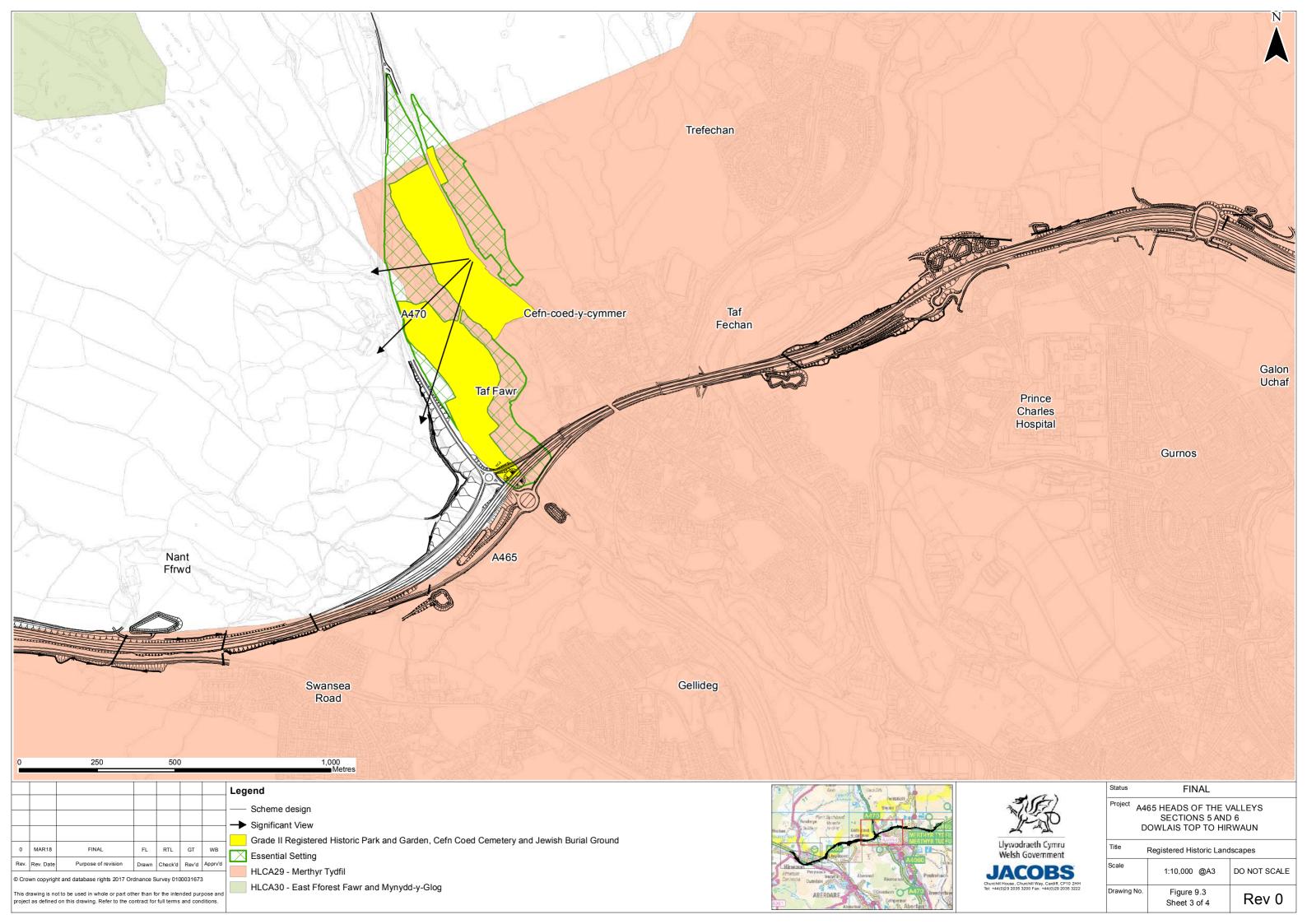


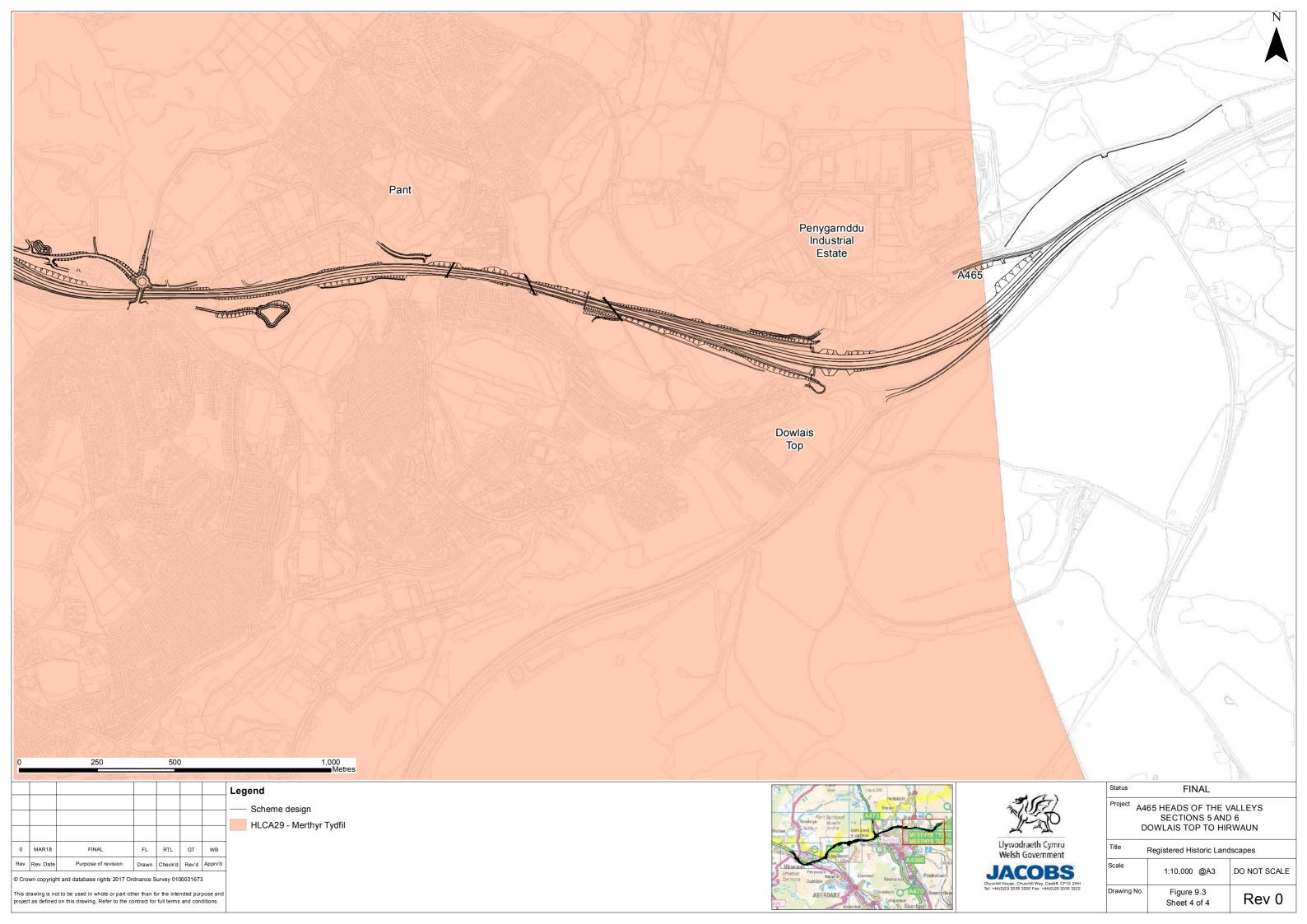












Visual Effects

Environmental Statement Supplement Volume 3: Revised Figures

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Revised Figures and Visualisations accompanying Chapter 10: Landscape and Visual Impact are included as follows:

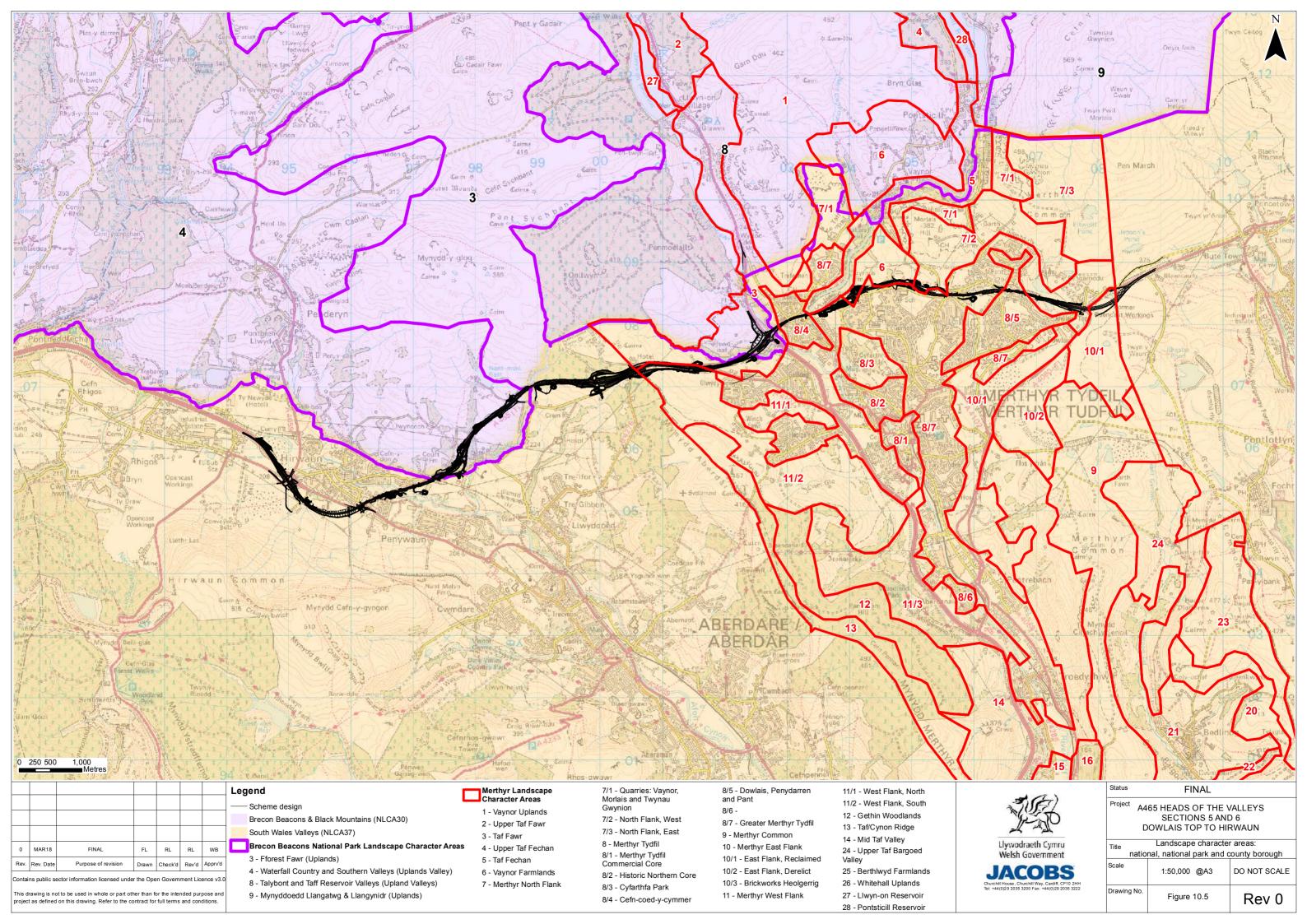
Figure 10.5	Landscape character Areas: National, National Park and County Borough
Figure 10.6.2	Zone of Theoretical Visibility - Existing Road
Figure 10.7	Night Time Light Sources and Exterior Lighting Environmental Zones

Visualisations

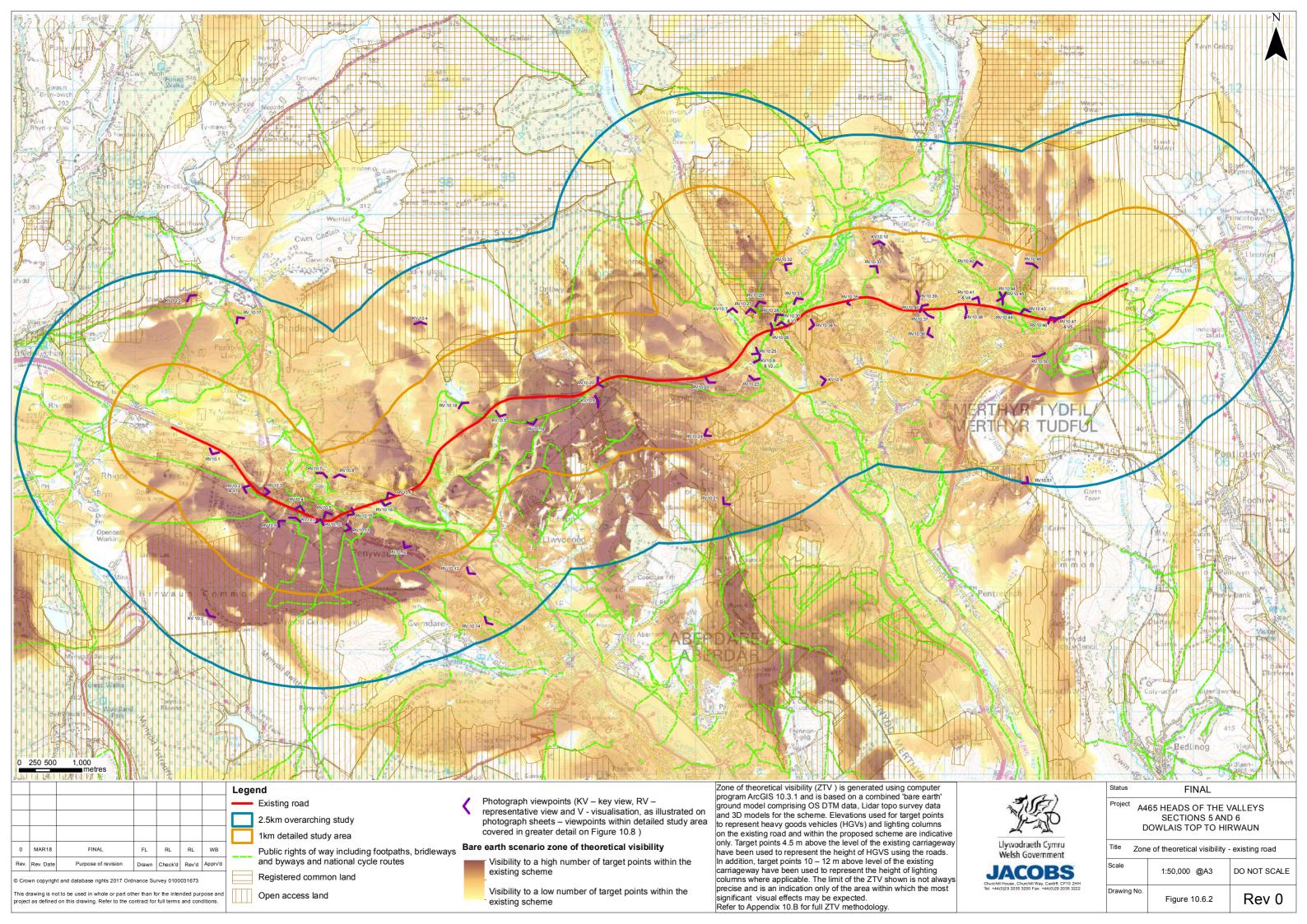
Figure 10.8

Visualisation 1	RV10.2 - View south-east from National Cycle Route 46 (receptor S6-A6), looking towards Hirwaun junction (Year 1 and Year 15)
Visualisation 2	KV10.8 - View north-west from the Taff Trail on the Cefn Coed viaduct (receptor S5-A1), to the A470 viaduct, A470 junction and the Taf Fawr viaduct (Year 1 and Year 15)
Visualisation 3	RV10.30 - View from Vaynor Public Footpath 34 (receptor S5-A6), looking south along the leat and disused Gurnos Quarry Tramroad to the Taf Fechan viaduct (Year 1)
Visualisation 4	RV10.41 - View south from Pant Hollow open space allocation (receptor S5-A12) (Year 1 and Year 15)
Visualisation 5	RV10.47 - View south from National Cycle Route 46 (receptor S5-A15), to Dowlais junction (Year 1 and Year 15)

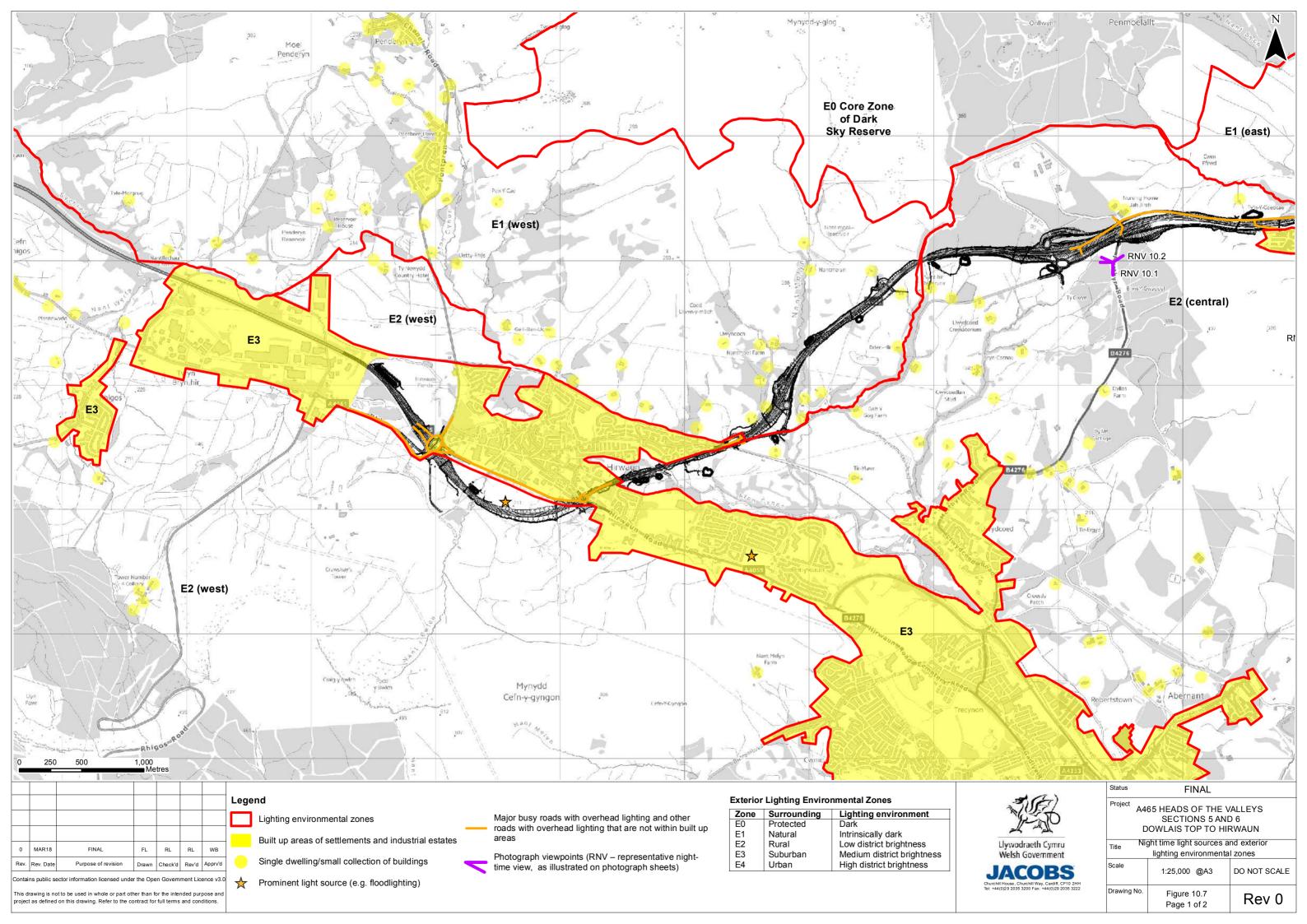
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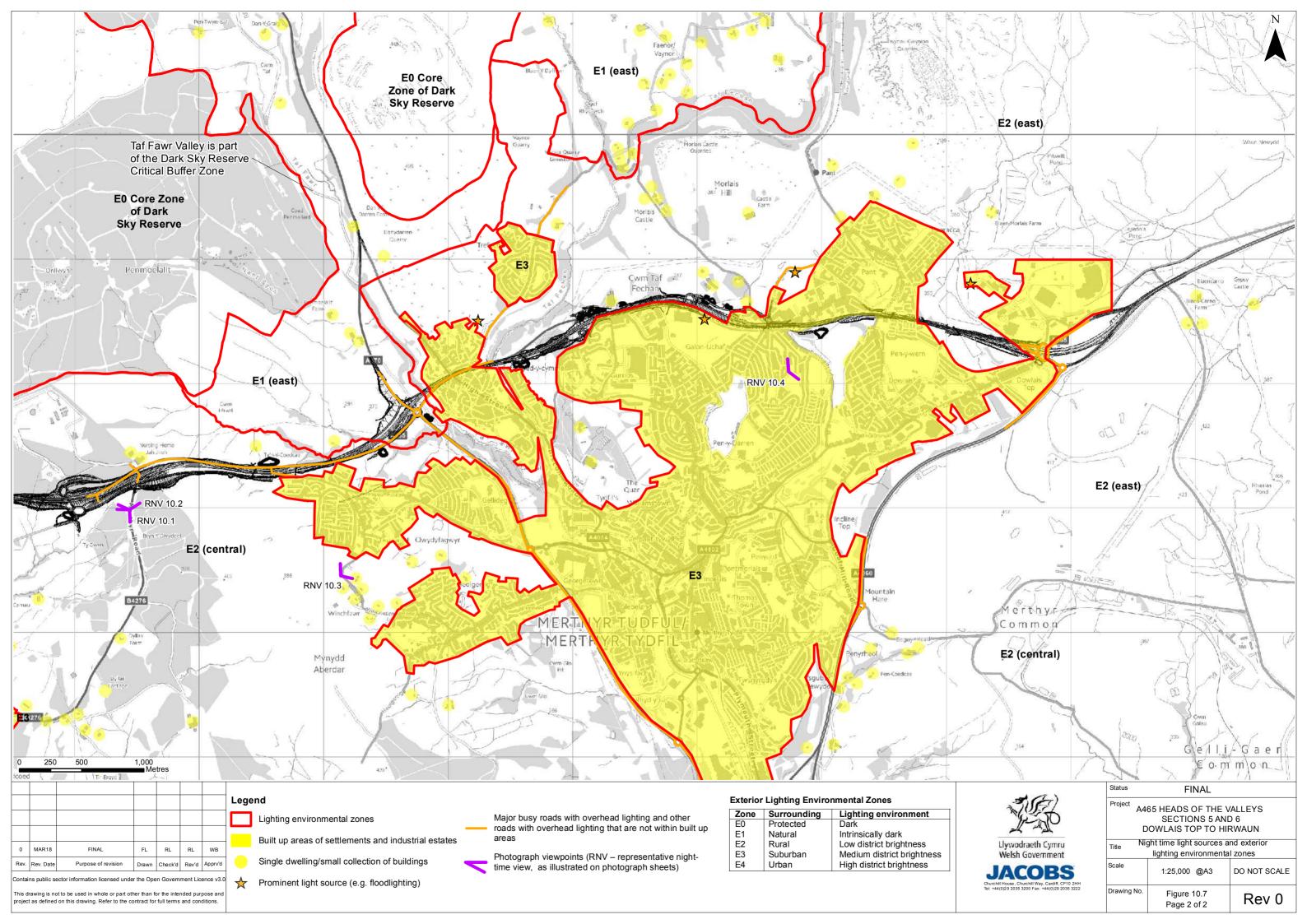


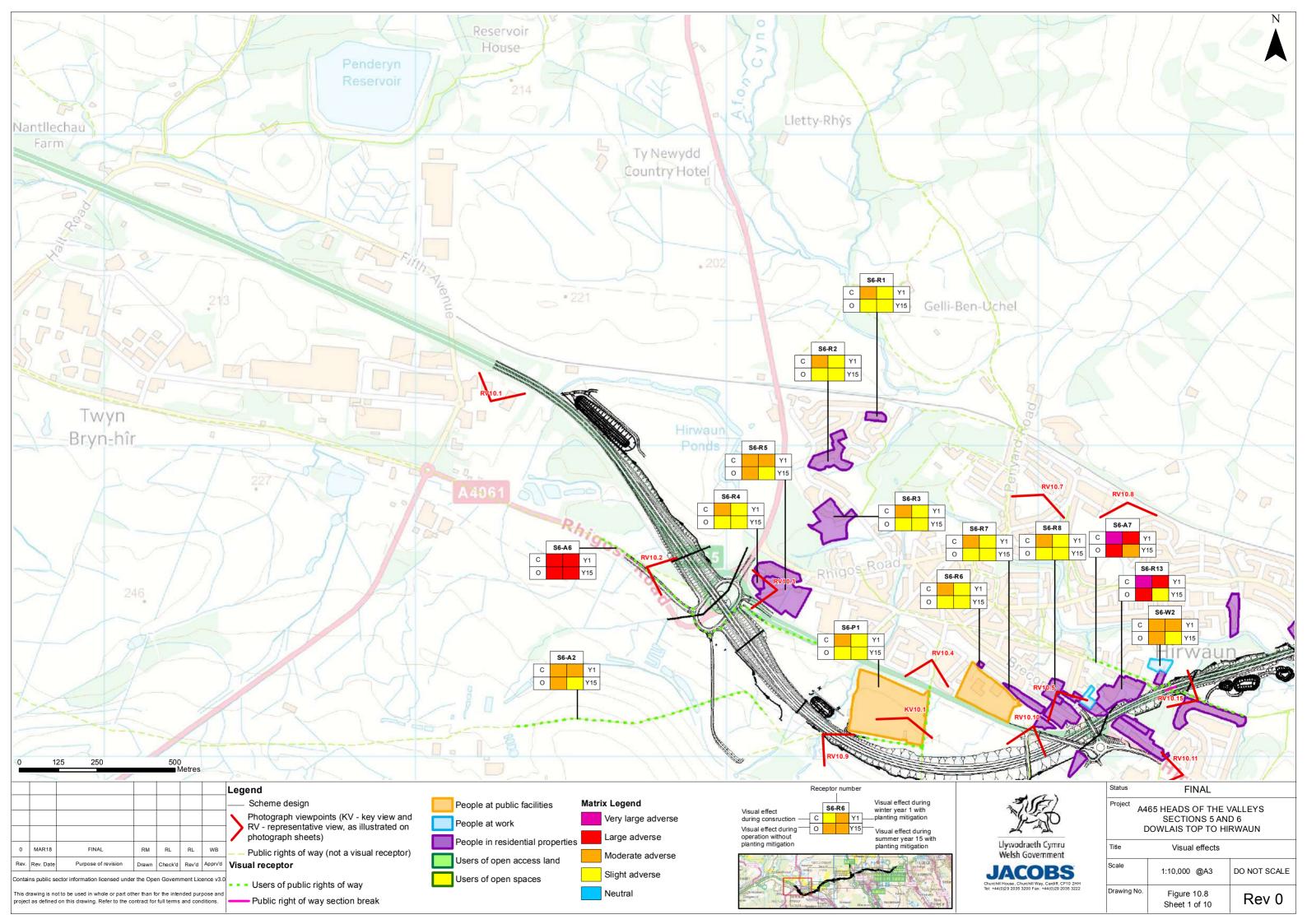
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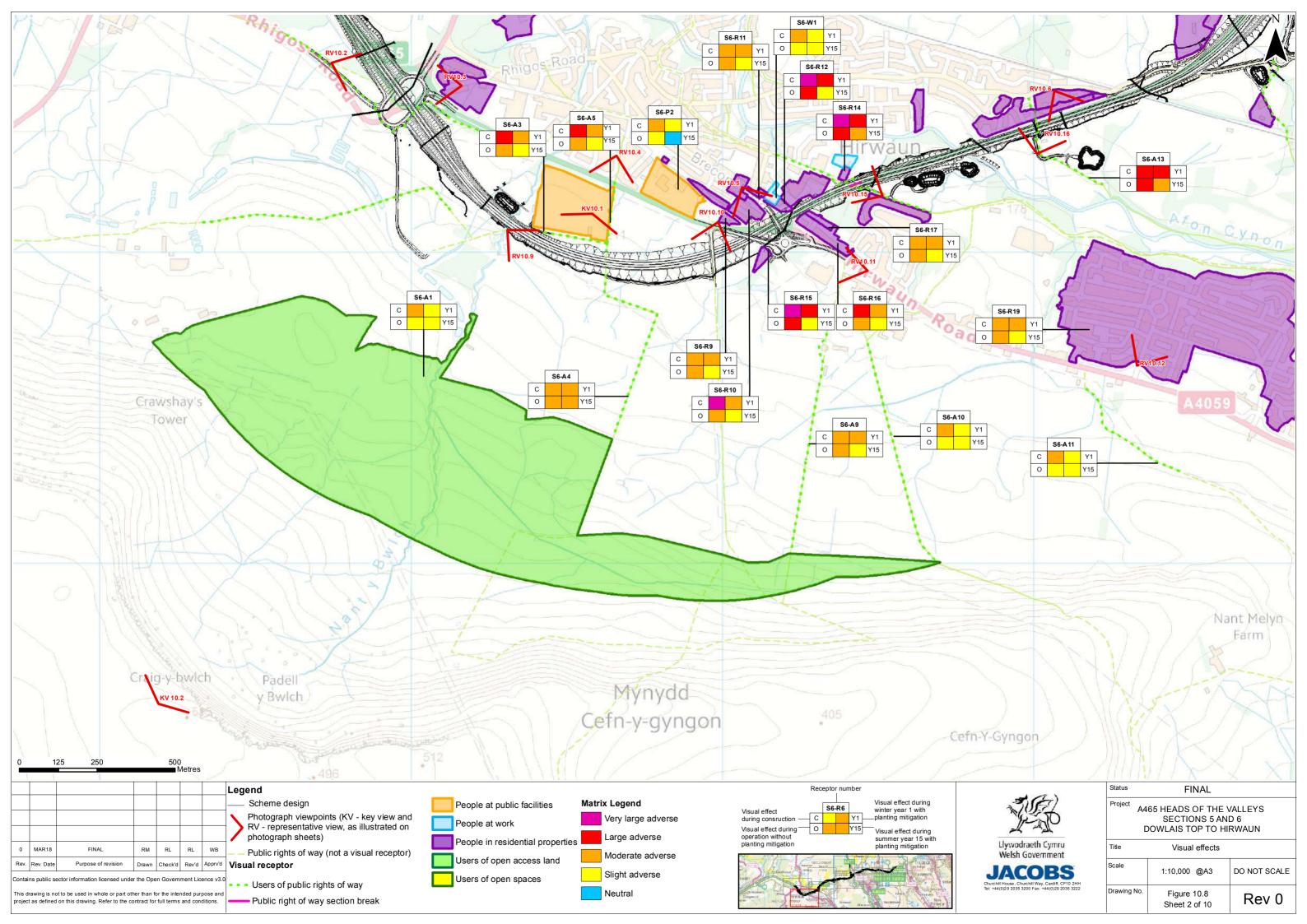


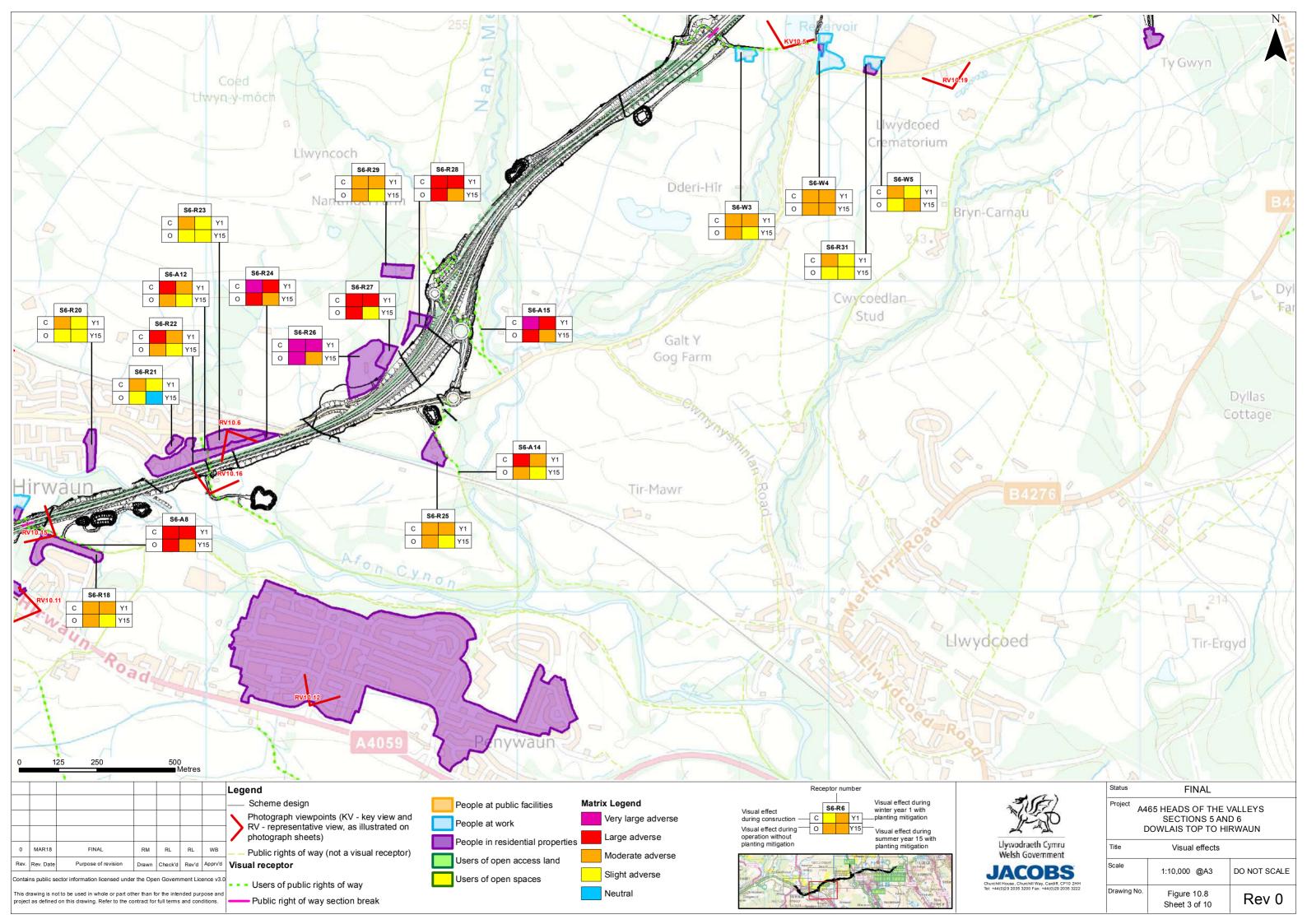
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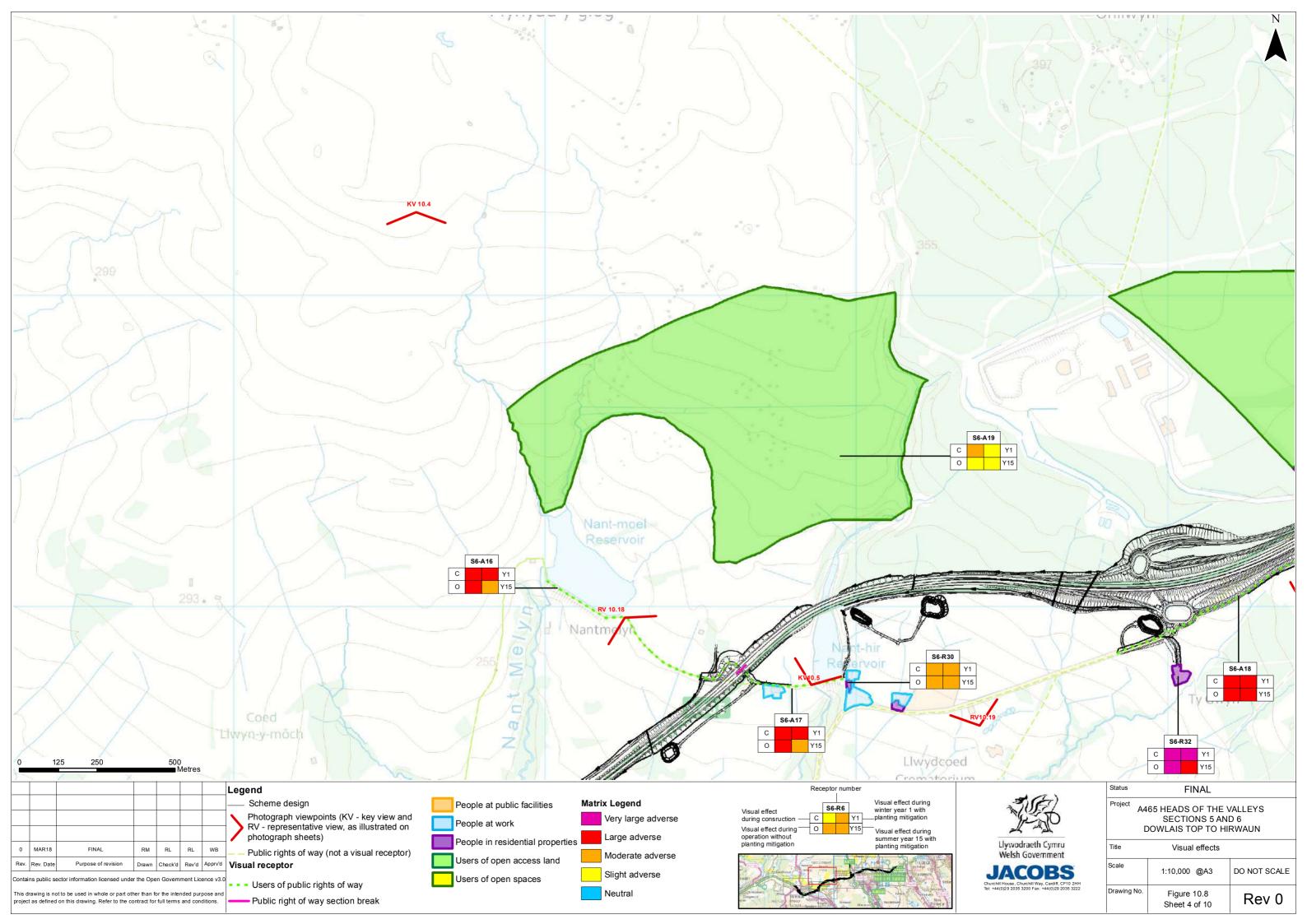


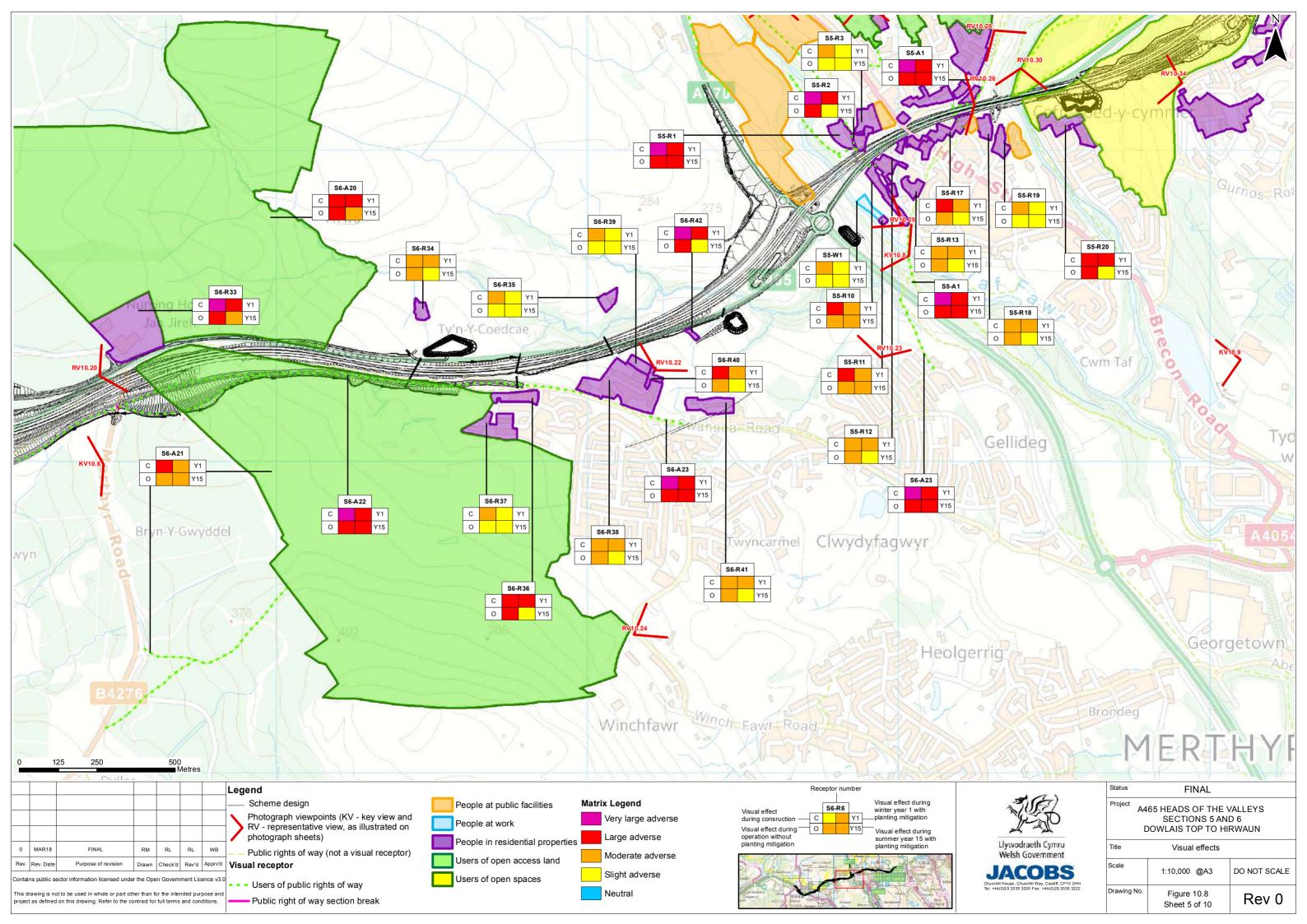


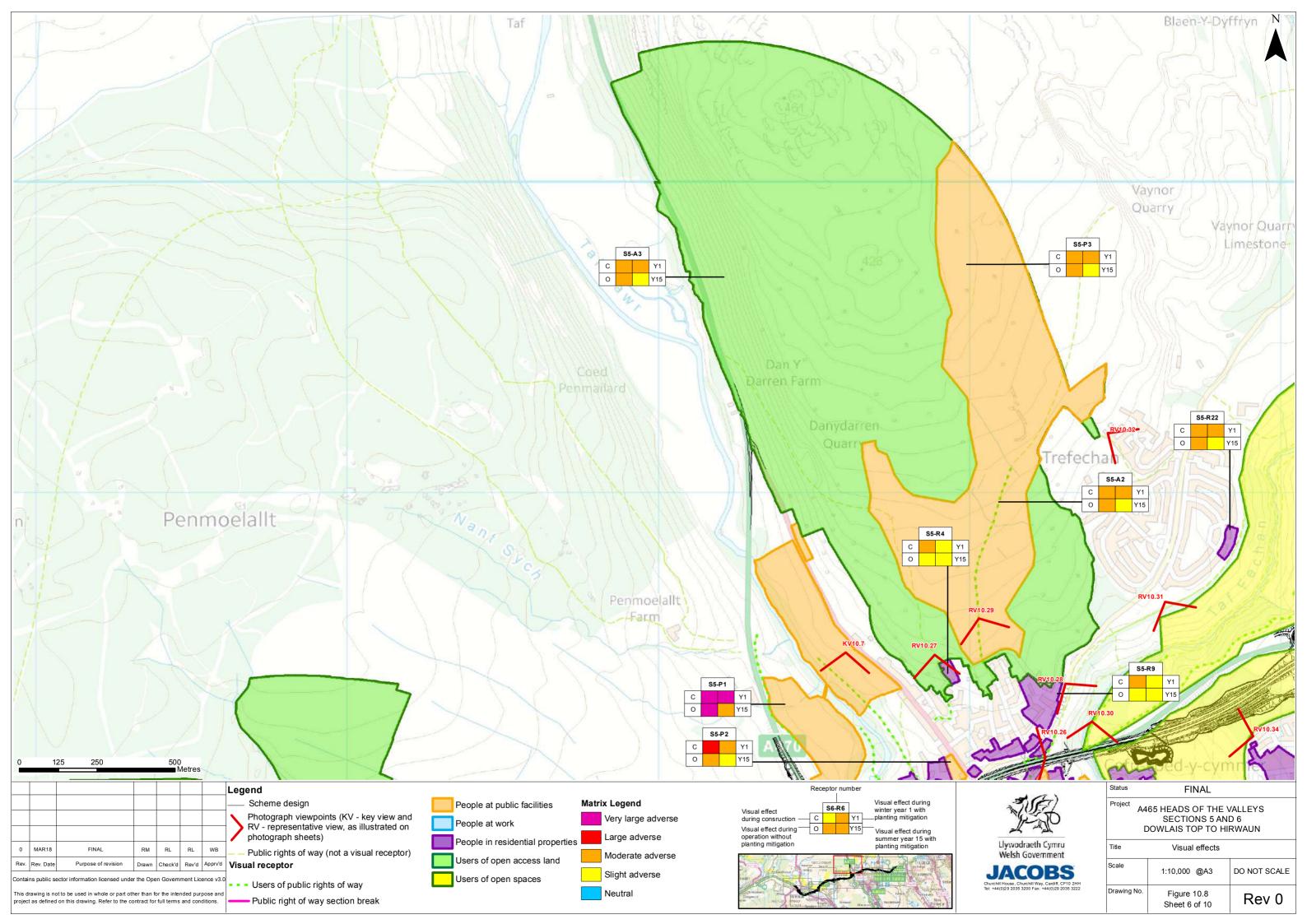


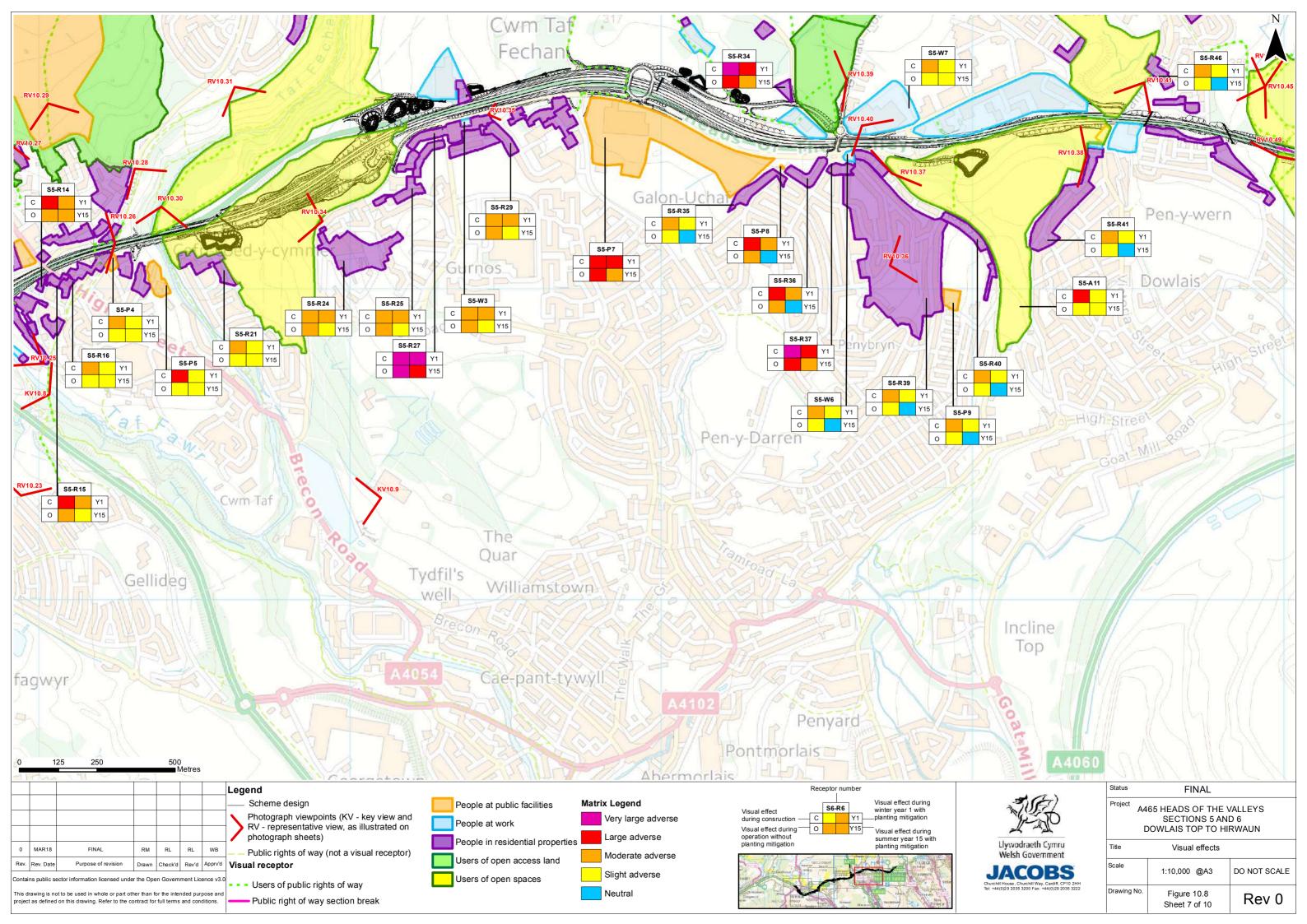


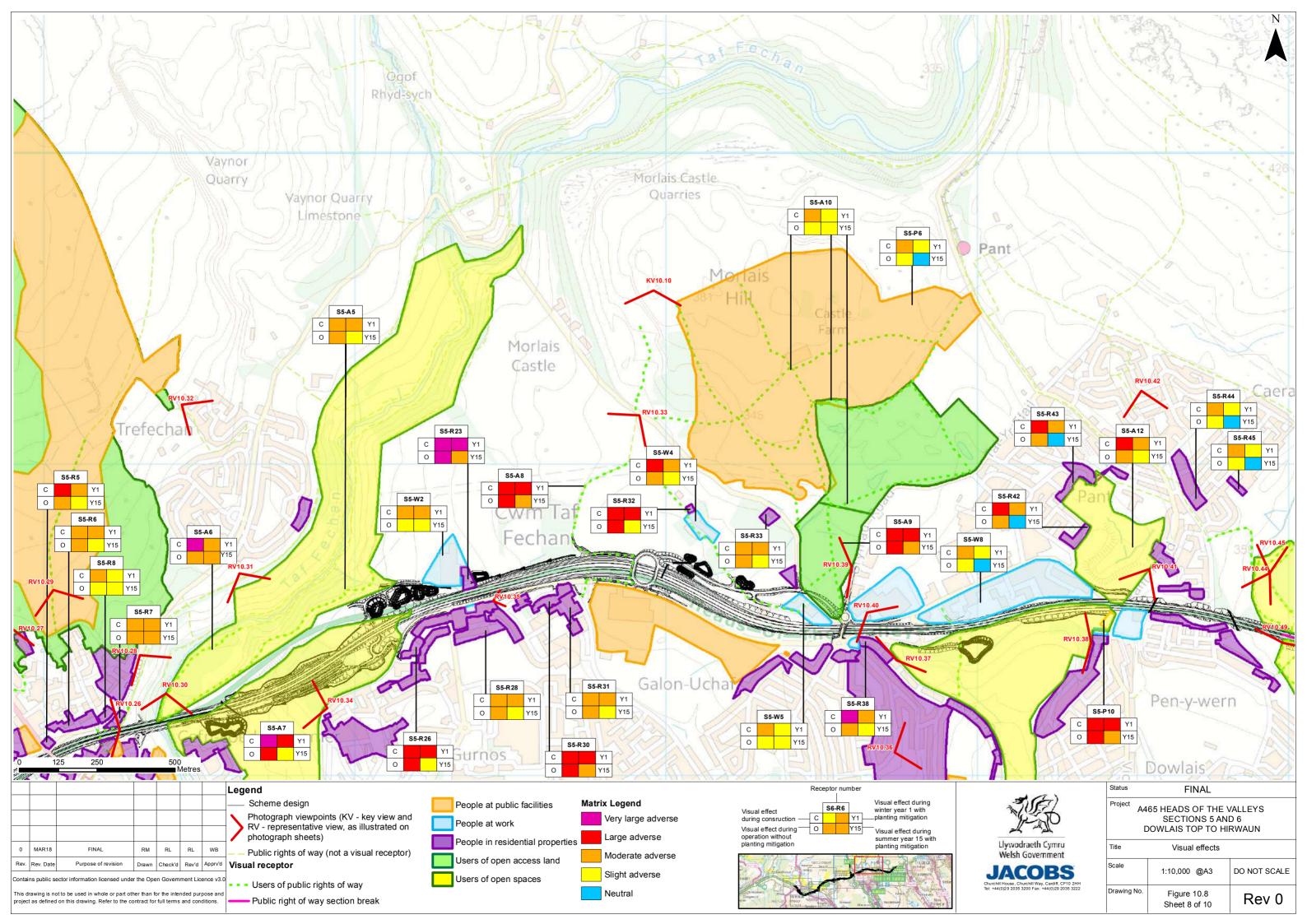


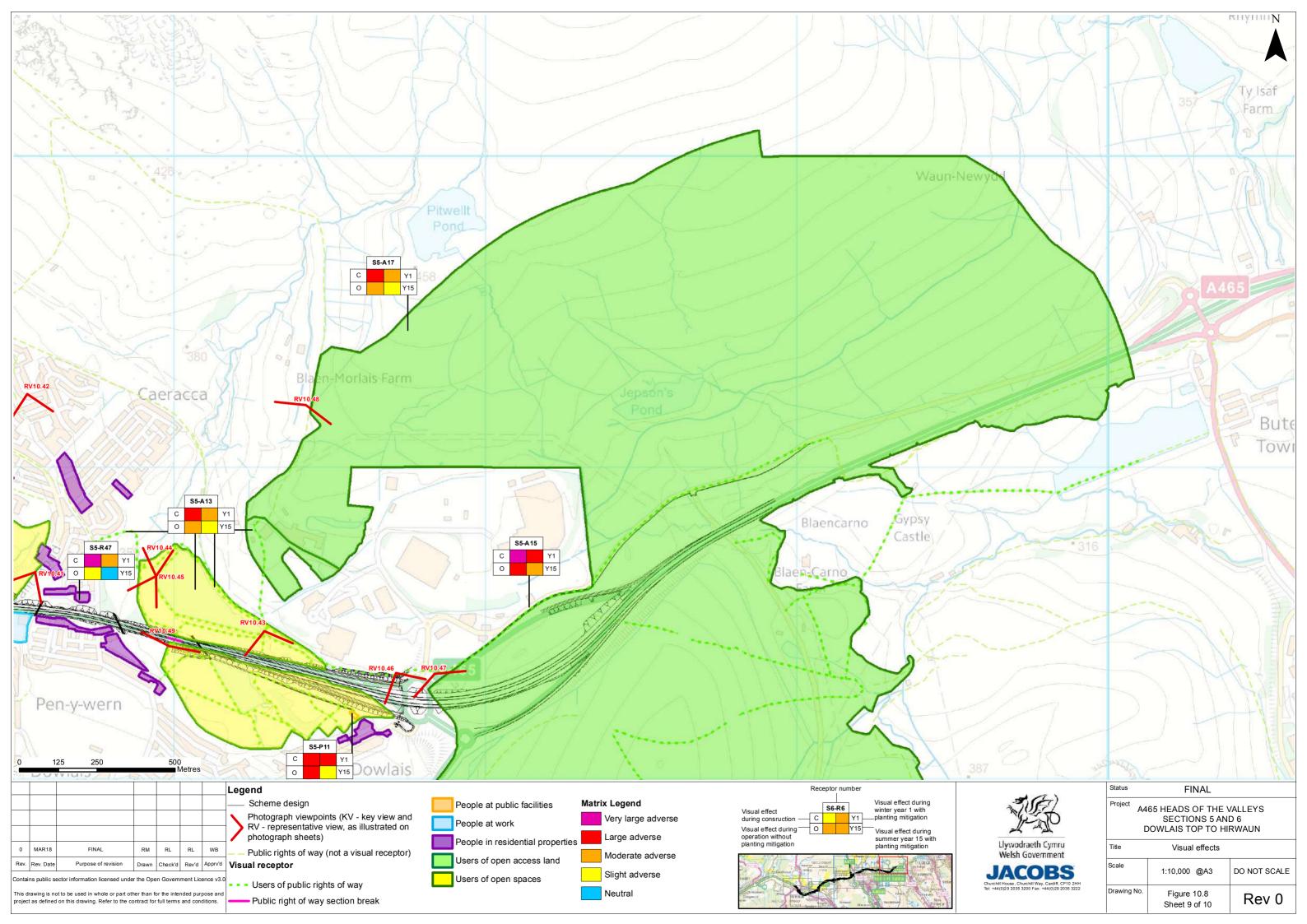


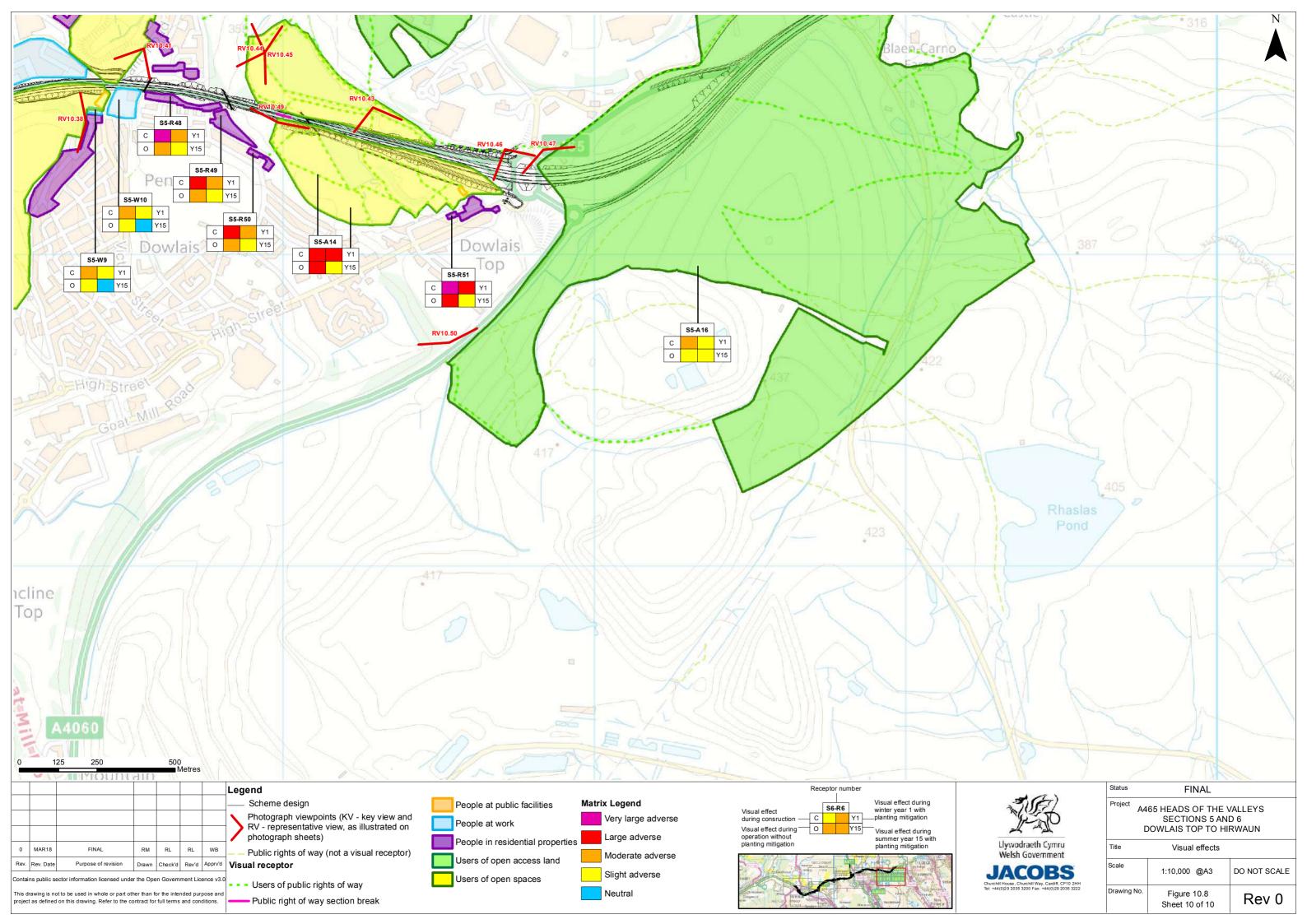












View south-east from National Cycle Route 46 (receptor S6-A6), looking towards Hirwaun junction. Year 1



Refer to Figure 10.6.2 for visualisation viewpoints. For existing conditions refer to photograph illustrating RV10.2. Visualisation is illustrative only.

0	MAR18	FINAL	FL	RL	RL	WB	
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Apprv'd	

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Status	FINAL
Project	A465 HEADS OF THE VALLEYS SECTIONS 5 AND 6 DOWLAIS TOP TO HIRWAUN

Title Visualisation 1 (RV10.2) year 1

NOT TO SCALE

Drawing No.

lisation 1 Rev 0

View south-east from National Cycle Route 46 (receptor S6-A6), looking towards Hirwaun junction. Year 15



Refer to Figure 10.6.2 for visualisation viewpoints. For existing conditions refer to photograph illustrating RV10.2. Visualisation is illustrative only.

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Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Apprv'd	

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Project	A465 HEADS OF THE VALLEYS SECTIONS 5 AND 6 DOWLAIS TOP TO HIRWAUN	

Title	Visualisation 1 (RV10.2) year 15	

ale	NOT TO SCALE	
awing No		

View north-west from the Taff Trail on the Cefn Coed viaduct (receptor S5-A1), to the A470 viaduct, A470 junction and the Taf Fawr viaduct. Year 1



Refer to Figure 10.6.2 for visualisation viewpoints. For existing conditions refer to photograph illustrating KV10.8. Visualisation is illustrative only.

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Project A465 HEADS OF THE VALLEYS SECTIONS 5 AND 6 DOWLAIS TOP TO HIRWAUN	Status	FINAL
	Project	SECTIONS 5 AND 6

Visualisation 2 (KV10.8) year 1

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Drawing No.

Visualisation 2 Rev

View north-west from the Taff Trail on the Cefn Coed viaduct (receptor S5-A1), to the A470 viaduct, A470 junction and the Taf Fawr viaduct. Year 15



Refer to Figure 10.6.2 for visualisation viewpoints. For existing conditions refer to photograph illustrating KV10.8. Visualisation is illustrative only.

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Title Visualisation 2 (KV10.8) year 15

not to scale

Drawing No.

Visualisation 2 Rev 0

View from Vaynor Public Footpath 34 (receptor S5-A6), looking south along the leat and disused Gurnos Quarry Tramroad to the Taf Fechan viaduct. Year 1 and year 15



Refer to Figure 10.6.2 for visualisation viewpoints. For existing conditions refer to photograph illustrating RV10.30. Visualisation is illustrative only.

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Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Apprv'd

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Status	FINAL
Project	A465 HEADS OF THE VALLEYS SECTIONS 5 AND 6 DOWLAIS TOP TO HIRWAUN

Title Visualisation 3 (RV10.30) year 1 and year 15

ale	NOT TO SCALE	
awing No.	Visualisation 3	Rev 0

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View south from Pant Hollow open space allocation (receptor S5-A12). Year 1



Refer to Figure 10.6.2 for visualisation viewpoints. For existing conditions refer to photograph illustrating RV10.41. Visualisation is illustrative only.

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Status	FINAL
Project	A465 HEADS OF THE VALLEYS SECTIONS 5 AND 6 DOWLAIS TOP TO HIRWAUN

Visualisation 4 (RV10.41) year 1

ale NOT TO SCALE

Drawing No.

Visualisation 4 Rev 0

View south from Pant Hollow open space allocation (receptor S5-A12). Year 15



Refer to Figure 10.6.2 for visualisation viewpoints. For existing conditions refer to photograph illustrating RV10.41. Visualisation is illustrative only.

	0	MAR18	FINAL	FL	RL	RL	WB	
	Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Apprv'd	

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Status	FINAL
Project	A465 HEADS OF THE VALLEYS SECTIONS 5 AND 6 DOWLAIS TOP TO HIRWAUN

Title Visualisation 4 (RV10.41) year 15

Scale NOT TO SCALE

Drawing No.

Visualisation 4 Rev 0

View south from National Cycle Route 46 (receptor S5-A15), to Dowlais junction. Year 1 left



Refer to Figure 10.6.2 for visualisation viewpoints. For existing conditions refer to photograph illustrating RV10.47. Visualisation is illustrative only.

	0	MAR18	FINAL	FL	RL	RL	WB
R	ev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Apprv'd

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Status	FINAL
Project	A465 HEADS OF THE VALLEYS SECTIONS 5 AND 6 DOWLAIS TOP TO HIRWAUN

Visualisation 5 (RV10.47) year 1 left

NOT TO SCALE

Drawing No.

Visualisation 5

View south from National Cycle Route 46 (receptor S5-A15), to Dowlais junction. Year 1 right



Refer to Figure 10.6.2 for visualisation viewpoints. For existing conditions refer to photograph illustrating RV10.47. Visualisation is illustrative only.

	0	MAR18	FINAL	FL	RL	RL	WB	
	Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Apprv'd	



Status	FINAL
Project	A465 HEADS OF THE VALLEYS SECTIONS 5 AND 6 DOWLAIS TOP TO HIRWAUN

Visualisation 5 (RV10.47) year 1 right

NOT TO SCALE

Drawing No.

View south from National Cycle Route 46 (receptor S5-A15), to Dowlais junction. Year 15 left



Refer to Figure 10.6.2 for visualisation viewpoints. For existing conditions refer to photograph illustrating RV10.47. Visualisation is illustrative only.

0	MAR18	FINAL	FL	RL	RL	WB
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Apprv'd

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Status	FINAL
Project	A465 HEADS OF THE VALLEYS SECTIONS 5 AND 6 DOWLAIS TOP TO HIRWAUN

Visualisation 5 (RV10.47) year 15 left

Scale	NOT TO SCALE	
Drawing No.		_

View south from National Cycle Route 46 (receptor S5-A15), to Dowlais junction. Year 15 right



Refer to Figure 10.6.2 for visualisation viewpoints. For existing conditions refer to photograph illustrating RV10.47. Visualisation is illustrative only.

	0	MAR18	FINAL	FL	RL	RL	WB	
	Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Apprv'd	

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Status	FINAL
Project	A465 HEADS OF THE VALLEYS SECTIONS 5 AND 6 DOWLAIS TOP TO HIRWAUN

Title Visualisation 5 (RV10.47) year 15 right

ale	NOT TO SCALE	

Visualisation 5 Rev 0

A465 Sections 5 & 6 Dowlais Top to Hirwaun Environmental Statement Supplement Volume 3 Revised Figures

Welsh Government

Environmental Statement Supplement Volume 3: Revised Figures

All Figures included in this Volume are a direct replacement of the corresponding Figures issued in the July 2017 published Environmental Statement Volume 3.

Revised Figures accompanying Chapter 11: Nature Conservation are included as follows:

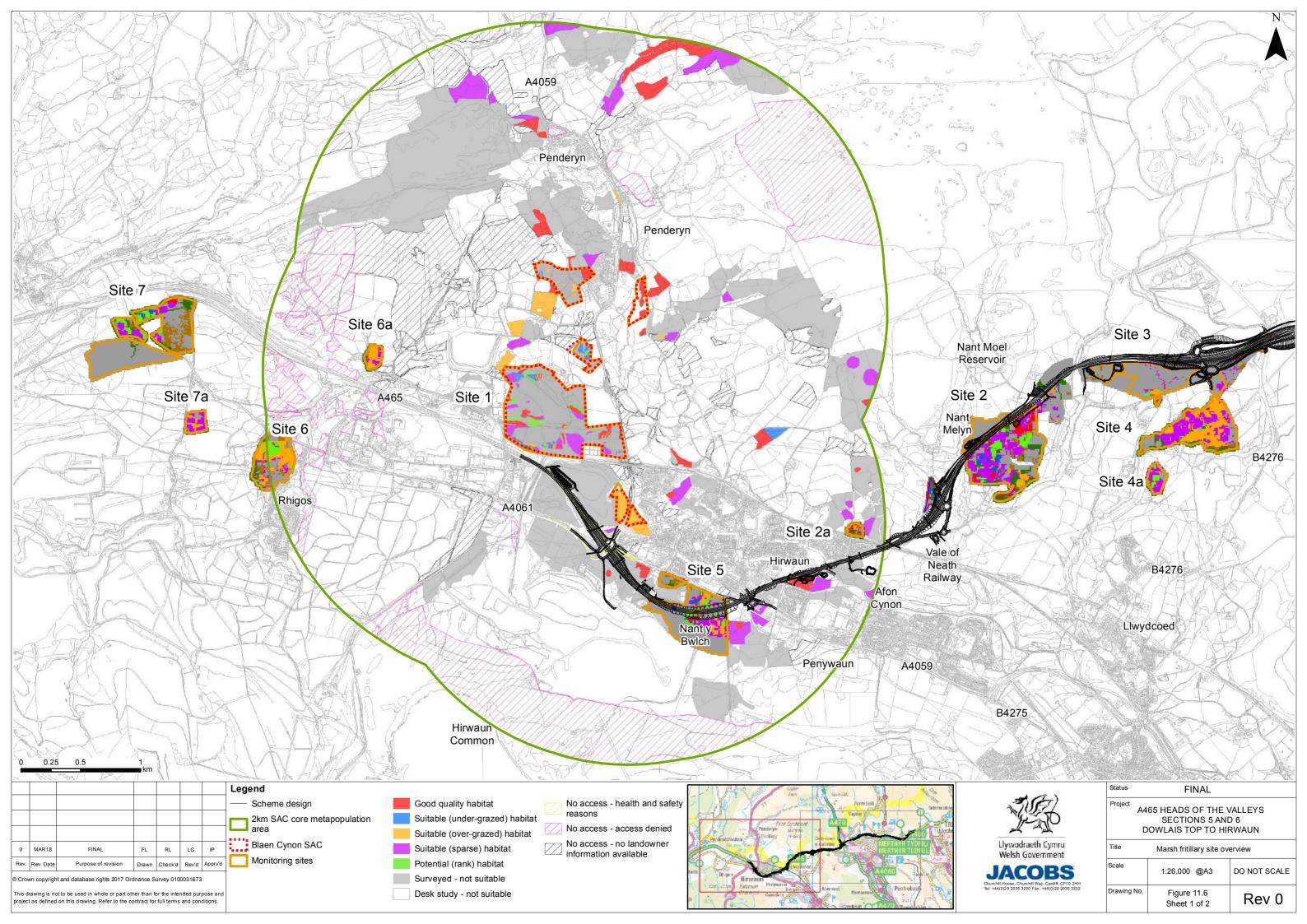
Figure 11.6 Marsh Fritillary Site Overview

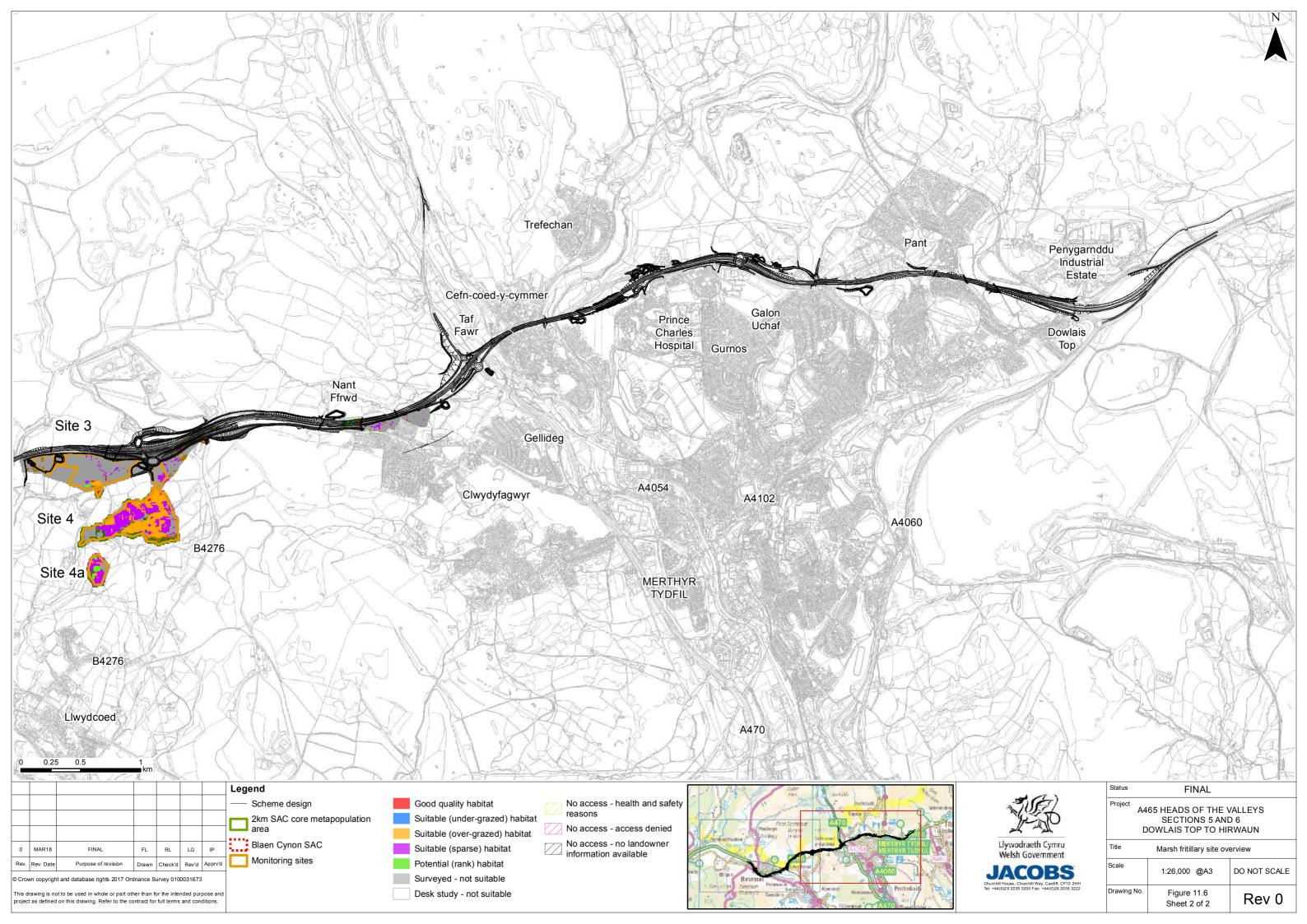
Figure 11.7 Marsh Fritillary Habitat Loss

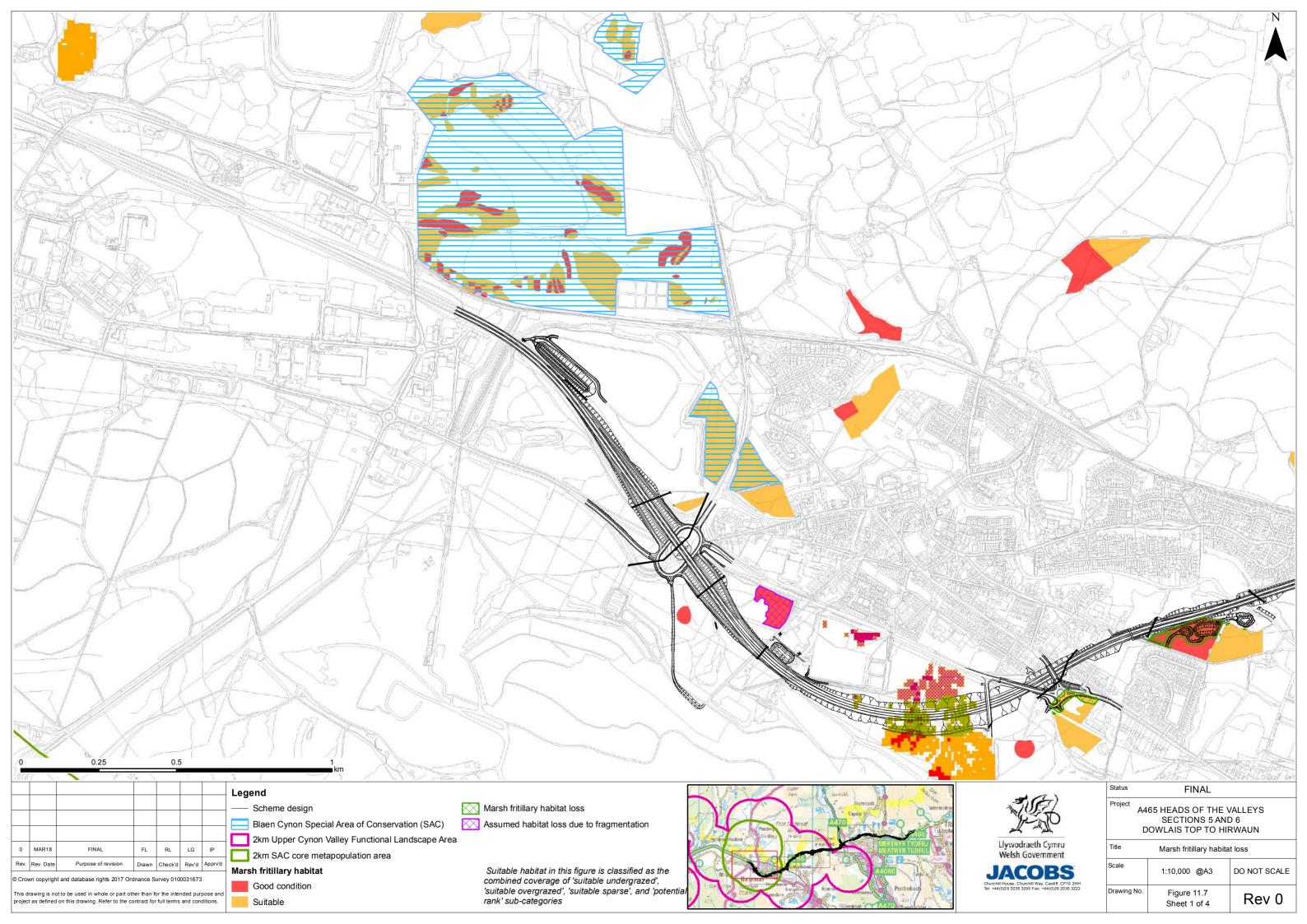
Figure 11.15 Nature Conservation Mitigation¹

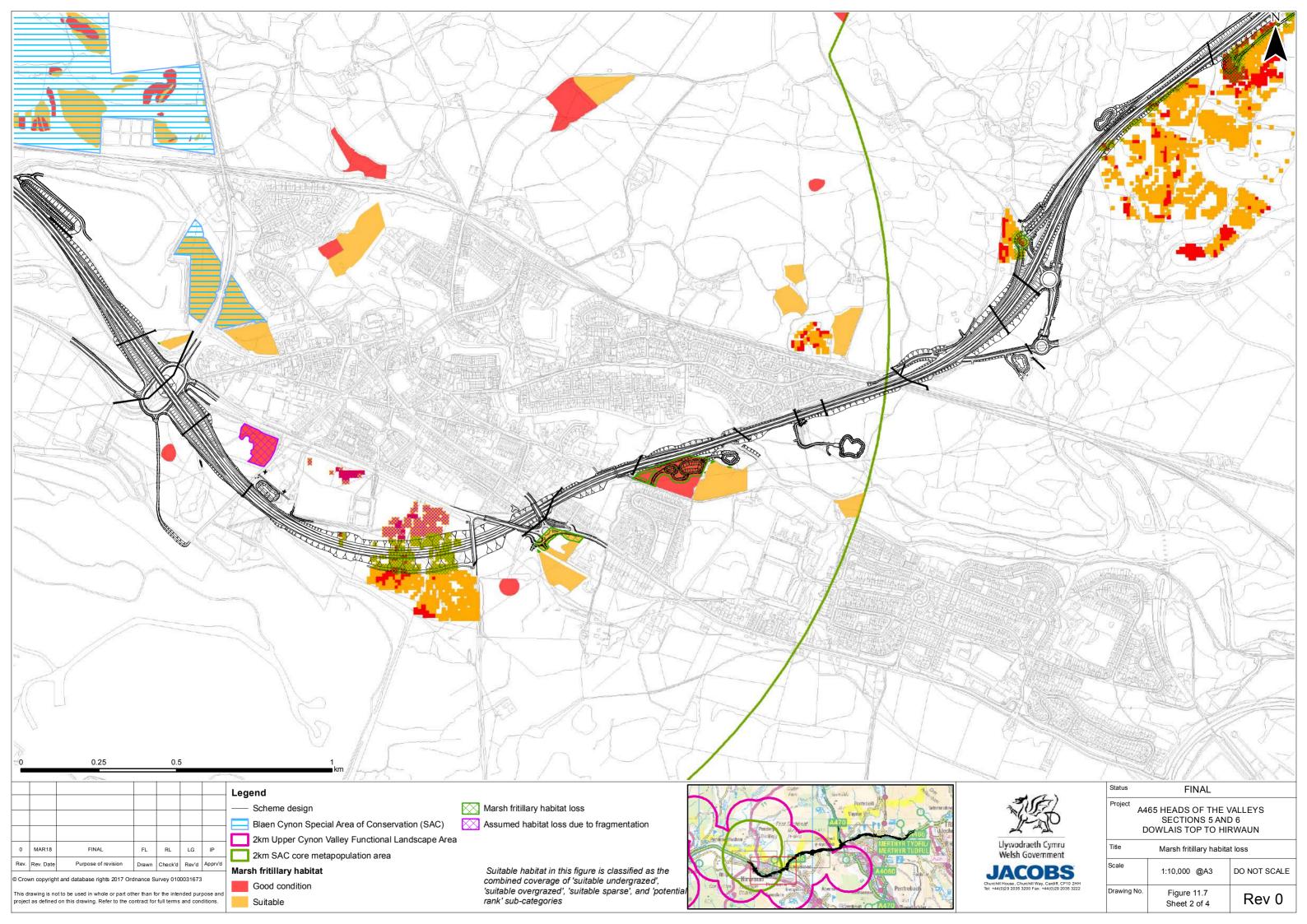
¹ Please note that this figure is confidential as it contains sensitive information regarding protected species. Should you require an electronic copy of this document then please make your request to Welsh Government.

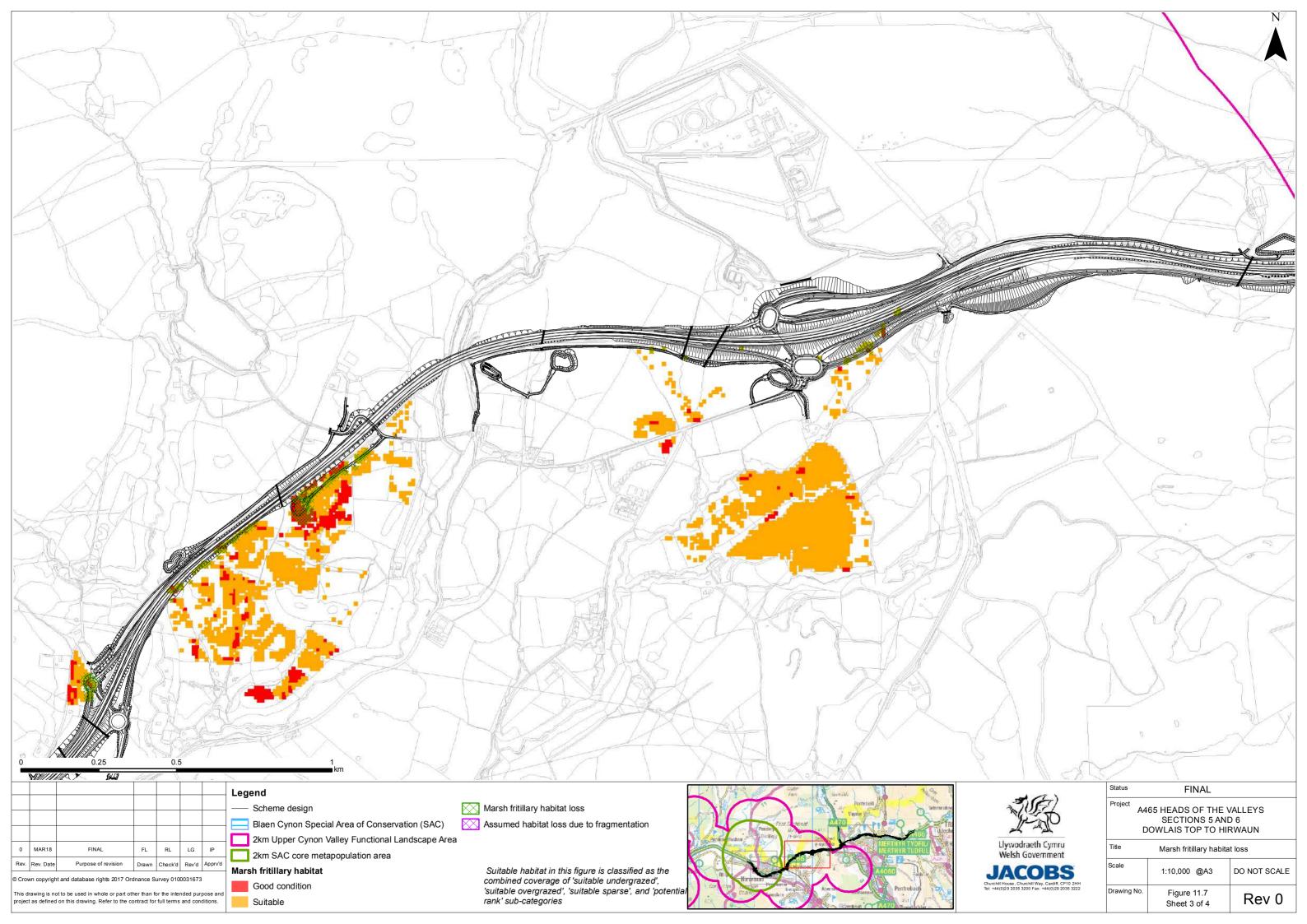
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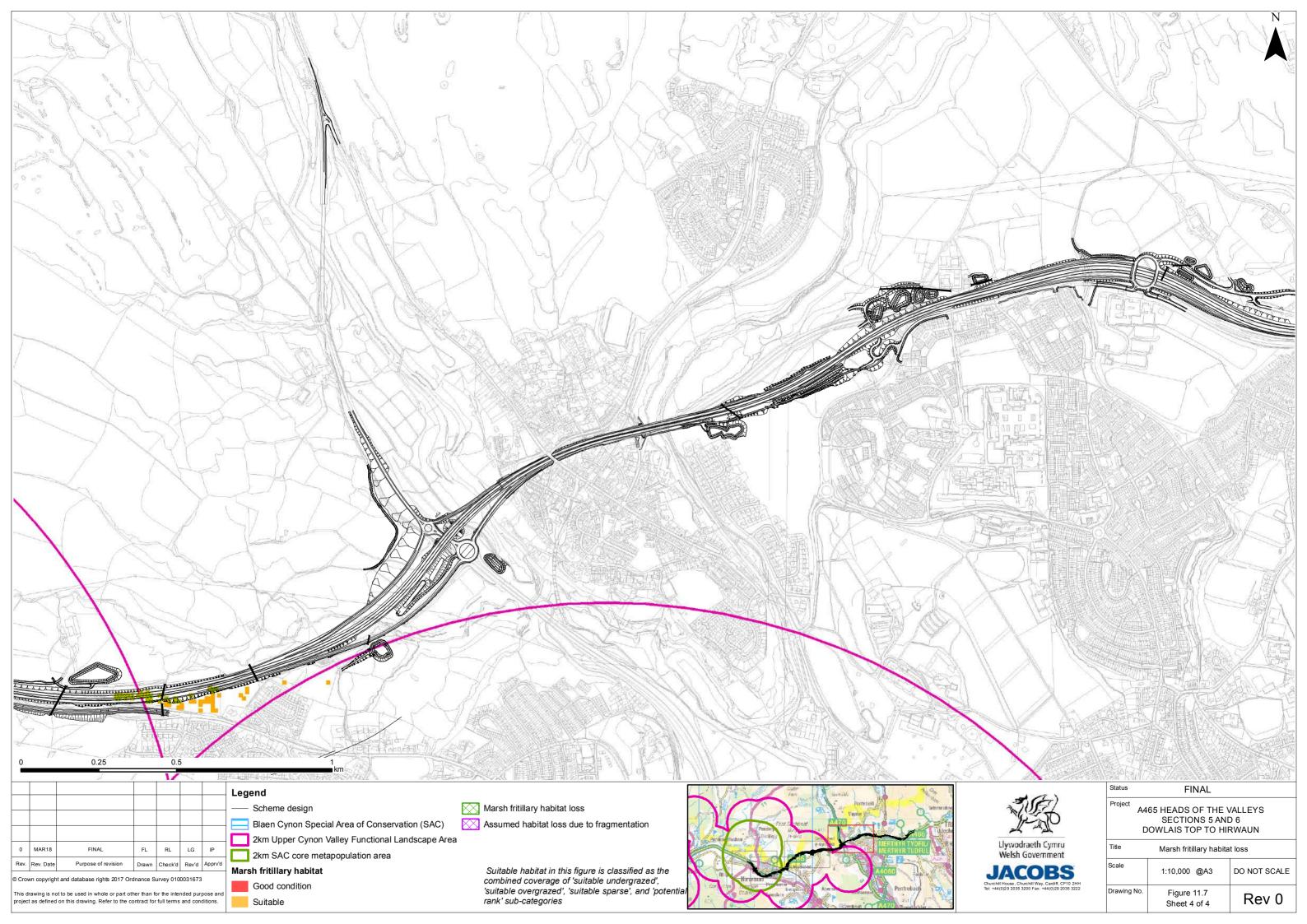












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Revised Figure 11.15 Nature Conservation Mitigation

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Environmental Statement Supplement Volume 3: Revised Figures

All Figures included in this Volume are a direct replacement of the corresponding Figures issued in the July 2017 published Environmental Statement Volume 3.

Revised Figures accompanying Chapter 14: Noise and Vibration are included as follows:

Figure 14.4	Noise Change Contour Plan DM (Opening) Against DS (Opening year)
Figure 14.5	Noise Change Contour Plan DM (Opening) Against DS (Future Year)
Figure 14.6	Noise Change Contour Plan DM (Opening Year) Against DM (Future Year)
Figure 14.7	Operational sample receptors and NAPPA location



