

Rampion 2 Wind Farm Category 8: Examination Documents

Outline Vegetation Retention and Removal Plan (tracked)

Date: August 2024 Revision C

Application Reference: 8.87 Pursuant to: AFP Regulation 5 (2) (q) Ecodoc Reference: 005234724-03

Document revisions

Revision	Date	Status/reason for issue	Author	Checked by	Approved by
Α	09/07/2024	Final for Deadline 5 submission.	Logika	RED	RED
В	19/07/2024	Updates to proposed Order Limits in figures for change request.	Logika	RED	RED
С	01/08/2024	Amendments to grassland plan.	Logika	RED	RED



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Executive summary

This Outline Vegetation Retention and Removal Plan (VRRP) (Document Reference: 8.87) has been prepared as, to provide the measures to manage the impacts on vegetation and ponds for the onshore element of the Proposed Development. This is part of a suite of plans supporting onshore construction works for Rampion 2.

The Outline VRRP has been produced following ecological surveys carried out in the **Chapter 22: Terrestrial Ecology, Volume 2 [REP4-022]** of the ES. This process has identified the embedded environmental measures secured within these documents.

This Outline VRRP includes information on the vegetation of biodiversity interest and whether it is either retained, temporarily lost or permanently lost. It also includes the embedded environmental measures provided to avoid, reduce and minimise impacts on this vegetation during the construction of the Proposed Development.

Stage specific VRRPs will be produced by the appointed Contractor(s) following the grant of the Development Consent Order (DCO) and prior to the relevant stage of construction. The stage specific VRRPs will include detail on how commitments in the Outline VRRP are to be delivered where that commitment is applicable to that stage of works. This will be produced in accordance with this Outline VRRP for approval of the relevant planning authority.

1. Introduction

- 1.1.1 Rampion Extension Development Limited (hereafter referred to as 'RED') (the Applicant) is developing the Rampion 2 Offshore Wind Farm Project (Rampion 2) located adjacent to the existing Rampion Offshore Wind Farm Project ('Rampion 1') in the English Channel.
- 1.1.2 Rampion 2 will be located between 13km and 26km from the Sussex Coast in the English Channel and the offshore array area will occupy an area of approximately 160km².
- 1.1.3 The key offshore elements of the Proposed Development will be as follows:
 - up to 90 offshore wind turbine generators (WTGs) and associated foundations;
 - blade tip of the WTGs will be up to 325m above Lowest Astronomical Tide (LAT) and will have a 22m minimum air gap above Mean High Water Springs (MHWS);
 - inter-array cables connecting the WTGs to up to three offshore substations;
 - up to two offshore interconnector export cables between the offshore substations;
 - up to four offshore export cables each in its own trench, will be buried under the seabed within the final cable corridor; and
 - the export cable circuits will be High Voltage Alternating Current (HVAC), with a voltage of up to 275kV.
- 1.1.4 The key onshore elements of the Proposed Development will be as follows:
 - a single landfall site near Climping, Arun District, connecting offshore and onshore cables using Horizontal Directional Drilling (HDD) installation techniques;
 - buried onshore cables in a single corridor for the maximum route length of up to 38.8km using:
 - trenching and backfilling installation techniques; and
 - trenchless and open cut crossings.
 - a new onshore substation, proposed near Cowfold, Horsham District, which will connect to an extension to the existing National Grid Bolney substation, Mid Sussex, via buried onshore cables; and
 - extension to and additional infrastructure at the existing National Grid Bolney substation, Mid Sussex District to connect Rampion 2 to the national grid electrical network.
- 1.1.5 A full description of the Proposed Development is provided in **Chapter 4: The Proposed Development, Volume 2** of the ES **[APP-045]**.

1.2 Purpose

- 1.2.1 This Outline Vegetation Retention and Removal Plan (VRRP) provides the measures to manage the impact of Rampion 2 on vegetation on the onshore cable corridor, associated works including accesses and the onshore substation at Oakendene and the existing National Grid Bolney substation extension works.
- 1.2.2 The Outline VRRP includes:
 - A series of maps¹ showing locations where vegetation of biodiversity interest is retained, temporarily lost or permanently lost (see Figures);
 - Tabulated losses of tree lines, hedgerows and woodlands that correspond with the Outline Vegetation Retention and Removal Plans (**Section 2**); and
 - Summary statistics (Section 2).
- 1.2.3 The habitats shown as lost temporarily will all be reinstated to their current type and habitat condition, other than for woodland within the wayleave that would be replaced with scrub in order to maintain connectivity and habitat structure, whilst avoiding potential root damage to the transmission cables. Permanent losses at the Oakendene Substation location and at National Grid's 400kv Bolney Substation. This will be compensated for in part by habitat creation at Oakendene (see the Indicative Landscape Plan in the Design and Access Statement [REP3-013] and Outline Landscape and Ecology Management Plan [REP4-047] (both updated at Deadline 5) and through the delivery of habitats through the purchase of biodiversity units to reach a position of no net loss and biodiversity net gain (see Appendix 22.15 Biodiversity Net Gain Information [REP3-019] (updated at Deadline 5)).
- 1.2.4 This Outline VRRP interfaces with the following documents which support the Rampion 2 DCO Application and should be read in conjunction with these:
 - Outline Code of Construction Practice [REP4-043] (updated at Deadline 5)

 approach to removing vegetation to facilitate construction. For ease of reading, this is also provided in Section 5.6 of this document at paragraph 5.6.27 and 5.6.47 and the relevant commitments related to VRRPs in Table 5-5 which are C-115, C-204, C-216, C-220, C-224, and C-292 and C-294;
 - Outline Landscape and Ecology Management Plan [REP4-047]–(updated at Deadline 5) which provides the approach to habitat reinstatement of temporary losses;
 - Tree Preservation Order and Hedgerow Plan [REP4-003] this shows the hedgerows within the proposed Order Limits, notes which ones could be affected by development and whether or not they are 'important' under the

¹ Figure 7.2.1 shows the Vegetation Retention and Removal Plans for hedgerows and tree lines, Figure 7.2.2 shows the Vegetation Retention and Removal Plans for woodland, Figure 7.2.3 shows the Vegetation Retention and Removal Plans for scrub, Figure 7.2.4 shows the Vegetation Retention and Removal Plans for grassland, Figure 7.2.5 shows the Vegetation Retention and Removal Plans for grassland, Figure 7.2.6 shows a combined Vegetation Retention and Removal Plan.

Hedgerow Regulations 1997). It also shows the locations of Tree Preservation Orders that overlap with the proposed Order Limits. The hedgerow information presented reflects that provided in Schedule 13 of the **draft Development Consent Order [REP4-004]** (updated at Deadline 5).

- Chapter 22 Terrestrial Ecology and Nature Conservation [REP4-022] (updated at Deadline 5)– quantified losses of habitats are assessed within this Ecological Impact Assessment.
- 1.2.5 This Outline VRRP has been developed as a result of stakeholder requests during the Examination and submitted at Deadline 5.
- 1.2.6 Provision of stage specific VRRPs are secured via Requirements 40 of the **draft Development Consent Order [REP4-004]** (updated at Deadline 5). These stage specific plans will be produced in accordance with this outline plan. However, where losses are reduced or further losses are identified as needed they will need to be reviewed, justified and agreed with the relevant local planning authority and submitted in the stage specific plans for approval. This will include demonstrating that the mitigation hierarchy (as captured under commitment C-292) has been applied appropriately.
- 1.2.7 Habitat management, including pruning of trees or reduction of height of hedgerows is not shown in this Outline VRRP. These requirements will be subject to detailed design and agreed on a case by case basis with the relevant local highways authority and provided in the stage specific VRRP (as per C-224). Habitat management will not result in loss, as the feature will be retained and allowed to reestablish.

1.3 Commitments

1.3.1 The commitments for vegetation retention and removal are detailed in **Table 1-1** below. The stage specific VRRPs will include detail on how each commitments is to be delivered where that commitment is applicable to that stage of works.

Table 1-1 Commitments relevant to vegetation retention and removal

Commitment Embedded environmental measure proposed ID

C-115 Hedgerows/tree lines crossed by the cable route will be 'notched' to reduce habitat loss and landscape and heritage impacts wherever possible. This is defined as removing one or more short sections (i.e. notches) within the same hedgerow/tree line. The removed sections will by default be replanted except where permanently lost on the Vegetation Retention And Removal Plan (see Figure 7.2.1 - Vegetation Retention and Removal Plans - Hedgerows and tree lines in the Outline Vegetation Retention and Removal Plan). Where appropriate, hedgerows will be temporarily translocated to maintain diversity and structure and result in more rapid reinstatement. Hedgerow/tree line losses will be kept to approximately 14m total width at each hedgerow crossing point where notching can take place. For hedgerows deemed

Commitment Embedded environmental measure proposed ID

	 "important" under the Hedgerows Regulations 1997 (or where there are other considerations), losses will be reduced to a 6m notch for the temporary construction haul roads only, by trenchless installation of the cable ducts under them wherever possible (see Figure 7.2.1 - Vegetation Retention and Removal Plans - Hedgerows and tree lines in the Outline Vegetation Retention and Removal Plan for the extent of hedgerow losses at each location). Hedgerows subject to temporary translocation will be lifted using a tree spade to maintain diversity and structure and result in more rapid reinstatement. Where chances of success are questionable, notches will be made by removal and reinstatement through planting. The EcoW will justify the approach being taken in line with the responsibilities of implementing the Outline Vegetation Retention and Removal Plan (see C-220). Reinstated hedgerows and tree lines will be monitored over a period of 10 years, and remedial action taken rapidly where signs of failure are identified.
C-204	The working corridor within woodland will be narrowed to be no more than 30m to reduce tree loss. Where the working corridor passes close to woodland that is being retained (as shown on Figure 7.2.2 Vegetation Retention and Removal Plans – Woodland in the Outline Vegetation Retention and Removal Plan) root protection areas conforming to BS5837:2012 will be demarcated and maintained.
C-216	All ancient woodland will be retained. A stand-off of a minimum of 25m from any surface construction works will be maintained in all locations from cable installation works. Construction traffic may operate within 25m of an ancient woodland on existing tracks, with any track maintenance works being restricted to the current width. Works to provide safe access from the highway are required in three locations within 25m of ancient woodland, being accesses A-42, A-56 and A-57. At these locations specific measures including dust control shall be detailed in the stage specific Code of Construction Practice that will manage any potential indirect effects on ancient woodland. Where ancient woodland is crossed via trenchless crossing a depth of at least 6m below ground will be maintained to avoid root damage and drill launch and retrieval pits will be at least 25m from the woodland edge.
C-217	All site preparation and construction works within 150m of the boundary of Climping Beach Site of Special Scientific Interest and Littlehampton Golf Course and Atherington Beach Local Wildlife Site will be programmed to avoid the winter period between October and March inclusive, to avoid disturbance to wintering waterbirds during the coldest period.

Commitment Embedded environmental measure proposed ID

- **C-220** The Outline Vegetation Retention and Removal Plan show hedgerows, tree lines, woodland, scrub, calcareous grassland, semi-improved species rich grassland and ponds which are to be retained or temporarily or permanently lost. Should any of these habitats shown as retained require removal due to unforeseen circumstances at the detailed design phase, they will be highlighted to the relevant competent authority with a reasoned justification provided. The stage specific Vegetation Retention and Removal Plans will require approval of the relevant planning authority via Requirement 40 of the DCO. Any unforeseen, additional losses would be accounted for through commitment C-104 covering the commitment to the provision of biodiversity net gain.
- C-224 Where vegetation clearance is required to provide visibility splays at access points for the purposes of safe access and egress any hedgerows that require cutting will be retained, by cutting to a height of 90cm where safe to do so (any hedgerow trees will be considered on an individual basis). These "coppiced" hedgerows will be agreed with the relevant highways authority and displayed on the stage specific Vegetation Retention and Removal Plan secured by DCO Requirement 40.
- C-292 During detailed design the mitigation hierarchy will be applied to avoid losses of key habitats (e.g. woodland, hedgerows, scrub, watercourses and semi-improved grassland) where possible, and where not to minimise losses and mitigate for them. At each crossing of sensitive habitats the Ecological Clerk of Works will provide advice to the design engineers with justification of approach provided. The approach at individual crossings will be detailed in the relevant stage specific Vegetation Retention and Removal Plan.
- C-294 To inform the detailed design process and biodiversity net gain calculations habitat surveys of areas that may be subject to temporary or permanent loss will be undertaken during the spring and summer period. Surveys will follow UK Habitats Classification methodology with potential Habitats of Principal Importance subject to National Vegetation Classification.

2. Temporary and permanent habitat losses

2.1 Hedgerows and treelines

- 2.1.1 Losses of hedgerows (including hedgerows with standard trees) and tree lines including whether the loss is temporary or permanent are summarised as follows:
 - Number of hedgerows affected by the Proposed Development = 104
 - Number of tree lines affected by the Proposed Development = 33
 - Length of hedgerow lost (permanent and temporary loss) = 1,960m
 - Length of hedgerow temporarily lost = 1,310m
 - Length of hedgerow permanently lost = 650m
 - Length of tree line lost (permanent and temporary loss) = 474m
 - Length of tree line temporarily lost = 474m
 - Length of tree line permanently lost = 0m
 - Length of important hedgerow temporarily lost = 140m (44m ecologically important and 96m historically important)
 - Length of important hedgerow permanently lost = 0m
 - Length of potentially important hedgerow temporarily lost = 84m
 - Length of potentially important hedgerow permanently lost = 0m
 - Number of hedgerows affected in the South Downs National Park = 27
 - Length of hedgerow temporarily lost in the South Downs National Park = 327m
- 2.1.2 Table 2-1 shows the proposed losses of hedgerows and tree lines by each feature. It identifies hedgerows that qualify as 'Important' based on ecological or historical features under the Hedgerow Regulations 1997. The distinction is drawn in Article 44 and associated Schedule 13 of the draft Development Consent Order [REP4-004]. The table and associated plans also confirm which hedgerows and treelines are in the South Downs National Park.
- 2.1.3 These references are shown on Figure 7.2.1 Vegetation Retention and Removal Plan Hedgerows and Tree lines.

Table 2-1Hedgerows and tree lines within the proposed DCO Order Limitssubject to temporary or permanent losses (*denotes feature within the South DownsNational Park)

Hedgerow ID	Туре	Important? ²	Temporarily lost or retained<u>perma</u> nently lost	Length lost (m)
Hedgerows				
H10	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	20
H13	J2.2.2: Defunct hedge native species poor	Not Important	Lost temporarily	6
H16	J2.2.2: Defunct hedge native species poor	Not Important	Lost temporarily	14
H22	J2.2.2: Defunct hedge native species poor	Not Important	Lost temporarily	14
H27	J2.2.2: Defunct hedge native species poor	Not Important	Lost temporarily	15
H129*	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H135*	J2.2.2: Defunct hedge native species poor	Not Important	Lost temporarily	6
H146a*	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H157*	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14

² **Table 2-1** lists hedgerows that qualify as important based on ecological or historical features under the Hedgerow Regulations 1997.

Hedgerow ID	Туре	Important? ²	Temporarily lost or	Length lost (m)
			retainedperma nently lost	
H158*	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H161*	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	6
H162*	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H163*	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H165*	J2.1.1: Intact hedge native species-rich	Not Important	Lost temporarily	6
H166*	J2.2.2: Defunct hedge native species poor	Not Important	Lost temporarily	14
H167*	J2.1.1: Intact hedge native species-rich	Not Important	Lost temporarily	12
H168*	J2.1.1: Intact hedge native species-rich	Important	Lost temporarily	6
H172*	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	6
H179*	J2.1.1: Intact hedge native species-rich	Not Important	Lost temporarily	14
H181*	J2.2.2: Defunct hedge native species poor	Important (historic hedgerow)	Lost temporarily	6
H185*	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	10

Hedgerow ID	Туре	Important? ²	Temporarily lost or retained<u>perma</u> nently lost	Length lost (m)
H197	J2.1.1: Intact hedge native species-rich	Not Important	Lost temporarily	15
H201a	J2.2.2: Defunct hedge native species poor	Not Important	Lost temporarily	6
H202	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H206a*	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	25
H210	J2.1.1: Intact hedge native species-rich	Not Important	Lost temporarily	6
H211	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H214	J2.1.1: Intact hedge native species-rich	Not Important	Lost temporarily	30
H219	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H220	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H228	J2.2.2: Defunct hedge native species poor	Important (historic hedgerow)	Lost temporarily	14
H229	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H230	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14

Hedgerow ID	Туре	Important? ²	Temporarily lost or retainedperma <u>nently lost</u>	Length lost (m)
H235	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H237	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H245	J2.1.1: Intact hedge native species-rich	Potentially important	Lost temporarily	14
H246	J2.3.2: Hedge and trees native species poor	Not Important	Lost temporarily	14
H247	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H257	J2.3.2: Hedge and trees native species poor	Not Important	Lost temporarily	28 (two crossings of the same hedgerow)
H263	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H266	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	6
H269	J2.3.2: Hedge and trees native species poor	Not Important	Lost temporarily	20
H271	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H277	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14

Hedgerow ID	Туре	Important? ²	Temporarily lost or retained<u>perma</u> nently lost	Length lost (m)
H295	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H297	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H302	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H308	J2.1.2: Intact hedge native species poor	Important (historic hedgerow)	Lost temporarily	14
H309	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	10
H312	J2.3.2: Hedge and trees native species poor	Not Important	Lost temporarily	6
H317	J2.1.1: Intact hedge native species-rich	Not Important	Lost temporarily	6
H349	J2.1.1: Intact hedge native species-rich	Not Important	Lost temporarily	14
H358	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H359	J2.3.2: Hedge and trees native species poor	Not Important	Lost temporarily	14
H363	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H372	J2.1.1: Intact hedge native species-rich	Potentially important	Lost temporarily	14

Hedgerow ID	Туре	Important? ²	Temporarily lost or retained<u>perma</u> nently lost	Length lost (m)
H373	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	12
H377	J2.1.2: Intact hedge native species rich	Important	Lost temporarily	14
H378	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H380	J2.3.2: Hedge and trees native species poor	Not Important	Lost temporarily	6
H383	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H384	J2.3.2: Hedge and trees native species poor	Not Important	Lost temporarily	14
H406	J2.1.1: Intact hedge native species-rich	Not Important	Lost temporarily	20
H422	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	6
H424	J2.3.1: Hedge and trees native species-rich	Not Important	Lost temporarily	14
H433	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H456	J2.1.1: Intact hedge native species-rich	Potentially important	Lost temporarily	6
H464b	J2.1.1: Intact hedge native species-rich	Potentially important	Lost temporarily	14

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Hedgerow ID	Туре	Important? ²	Temporarily lost or retainedperma <u>nently lost</u>	Length lost (m)
H469	J2.3.2: Hedge and trees native species poor	Not Important	Lost temporarily	14
H474	J2.1.1: Intact hedge native species-rich	Potentially important	Lost temporarily	30
H475	J2.2.2: Defunct hedge native species poor	Not Important	Lost temporarily	14
H476	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H481	J2.3.1: Hedge and trees native species-rich	Important	Lost temporarily	14
H482	J2.3.1: Hedge and trees native species-rich	Not Important	Lost temporarily	14
H497	J2.3.1: Hedge and trees native species-rich	Not Important	Lost temporarily	14
H505	J2.3.2: Hedge and trees native species poor	Not Important	Lost temporarily	20
H507	J2.3.2: Hedge and trees native species poor	Important (historic hedgerow)	Lost temporarily	14
H509	J2.3.1: Hedge and trees native species-rich	Important	Lost temporarily	10
H511	J2.3.2: Hedge and trees native species poor	Not Important	Lost permanently	412
H512	J2.3.2: Hedge and trees native species poor	Not Important	Lost permanently	135

Hedgerow ID	Туре	Important? ²	Temporarily lost or retained<u>perma</u> <u>nently lost</u>	Length lost (m)
H514	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H515	J2.1.2: Intact hedge native species poor	Important (historic hedgerow)	Lost temporarily	14
H516	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	6
H520b	J2.1.2: Intact hedge native species poor	Not Important	Lost permanently	100
H521	J2.1.2: Intact hedge native species-poor	Important (historic hedgerow)	Lost temporarily	14
H527	J2.1.1: Intact hedge native species-rich	Important (historic hedgerow)	Lost temporarily	6
H528	J2.1.1: Intact hedge native species-rich	Potentially important	Lost temporarily	6
H531	J2.1.2: Intact hedge native species-poor	Not Important	Lost temporarily	14
H540*	J2.1.2: Intact hedge native species-poor	Not Important	Lost temporarily	14
H541*	J2.1.2: Intact hedge native species-poor	Not Important	Lost temporarily	14
H545*	J2.1.2: Intact hedge native species-poor	Not Important	Lost temporarily	14
H546*	J2.2.2: Defunct hedge native species-poor	Not Important	Lost temporarily	14

Hedgerow ID	Туре	Important? ²	Temporarily lost or retained<u>perma</u> nently lost	Length lost (m)
H548*	J2.1.2: Intact hedge native species-poor	Not Important	Lost temporarily	14
H549*	J2.1.1: Intact hedge native species-rich	Important (historic hedgerow)	Lost temporarily	14
H551*	J2.1.2: Intact hedge native species-poor	Not Important	Lost temporarily	14
H553*	J2.1.2: Intact hedge native species-poor	Not Important	Lost temporarily	6
H589*	J2.1.2: Intact hedge native species poor	Not Important	Lost temporarily	14
H590*	J2.1.2: Intact hedge native species-poor	Not Important	Lost temporarily	14
H600	J2.1.2: Intact hedge native species-poor	Not Important	Lost temporarily	14
H601	J2.1.2: Intact hedge native species-poor	Not Important	Lost temporarily	14
H610	J2.3.2: Hedge and trees native species poor	Not Important	Lost temporarily	5
H612	J2.3.2: Hedge and trees native species poor	Not Important	Lost temporarily	15
H613	J2.3.1: Hedge and trees native species-rich	Not Important	Lost temporarily	5

Hedgerow ID	Туре	Important? ²	Temporarily lost or retainedperma <u>nently lost</u>	Length lost (m)
H489	J2.1.2: Intact hedge native species-poor Recent planting (still at whip stage)	Not Important	12m lost temporarily A permanent loss of 3m due to adding a standard farm gate for operational purposes is also accounted for.	15
Tree lines				
W4*	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W5*	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W6	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W8*	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W9	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W10*	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14

Hedgerow ID	Туре	Important? ²	Temporarily lost or retainedperma <u>nently lost</u>	Length lost (m)
W12*	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	22
W15*	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	6
W16*	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	6
W19	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	6
W17	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	20
W18	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	20
W52	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W110	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W207	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14

Hedgerow ID	Туре	Important? ²	Temporarily lost or retained<u>perma</u> nently lost	Length lost (m)
W367	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	20
W367a	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	6
W388	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W472	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W473	A3.3: Parkland and scattered trees- mixed	N/A	Lost temporarily	14
W477	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W479	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W489	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	20
W494*	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W498*	A3.1: Parkland and scattered	N/A	Lost temporarily	14

Hedgerow ID	Туре	Important? ²	Temporarily lost or retainedperma <u>nently lost</u>	Length lost (m)
	trees- broad- leaved			
W505*	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W507*	A3.3: Parkland and scattered trees- mixed	N/A	Lost temporarily	14
W514	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W544	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	20
W557	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W677	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	20
W678	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14
W679	A3.1: Parkland and scattered trees- broad- leaved	N/A	Lost temporarily	14

2.2 Woodland

- Thirteen blocks of woodland would be subject to losses due to the Proposed 2.2.1 Development. Permanent loss (0.12ha) occurs in woodland W3712 at Bolney Substation as this is located directly adjacent to the current palisade fencing of National Grid's substation where the connection is to be made. Its loss is therefore unavoidable. All other areas of woodland will be lost temporarily in the sense that vegetation will be established across the wayleave, however this would be in the form of scrub as opposed to woodland in order to protect the cables from potential damage from tree roots. This scrub may be planted, allowed to regenerate naturally or be established as a hybrid of these two methods. It is noted that this would be reviewed in areas where haul roads are leading to loss, this will be based on the detailed design of individual trenchless crossings (i.e. design may enable the haul road to be re-established as woodland). Losses in areas that are assumed to be restored to scrub equate to 0.37ha. These details would be confirmed in the stage specific LEMP for the approval of the relevant planning authority.
- 2.2.2 **Table 2-2** shows the proposed losses of woodland by each feature. These references are shown on Figure 7.2.2 Vegetation Retention and Removal Plan Woodland.

Woodland ID	Туре	Proposed loss	Area lost (ha)
W38 / W39 / W40	Semi-natural broadleaved woodland	Cleared for haul road (cable crossing	0.01ha
	Blocks in same woodland to south of A27 and east of	trenchlessly)	
	vinery	6m width	
W50	Semi-natural broadleaved woodland	Cleared for haul road (cable crossing	0.01ha
	Blocks in same woodland to south of A27, adjacent to	trenchlessly)	
	Decoy Lane	6m width	
W46 / W49	Semi-natural broadleaved woodland	Cleared for haul road (cable crossing	0.01ha
	Blocks in same woodland to south of A27, adjacent to	trenchlessly)	
	Decoy Lane	6m width	
W4 / W5 (within South Downs National Park)	Semi-natural broadleaved woodland	23m width cleared for cable corridor and haul road	0.05ha

Table 2-2 Broadleaved woodland within the proposed DCO Order Limits



Woodland ID	Туре	Proposed loss	Area lost (ha)
	Woodland bounding either side of bridleway linking Kitpease Copse and Oliver's Copse (both areas of PAWS)		
W503	Semi-natural broadleaved woodland Woodland bounds Greentree Lane and is on opposite side of lane to Parkminster Wood which is listed on the Ancient Woodland Inventory	10m width cleared along lane for access of cable drums	0.02ha
W1364 (within South Downs National Park)	Semi-natural broadleaved woodland Woodland stand located south of Storrington Road and west of the A24 near Washington	30m width cleared for cable corridor and haul road	0.07 ha
W5792	Semi-natural broadleaved woodland Woodland bounding either side of bridleway (Daisy Lane) linking Upper Buncton Farm to the Old School House (south of Wiston)	30m width cleared for cable corridor and haul road	0.07ha
W736	Semi-natural broadleaved woodland Small stand of woodland between Cowfold and Bolney, west of Wineham Lane	20m width cleared for cable corridor and haul road	0.03ha
W479	Semi-natural broadleaved woodland Small stand of woodland located between Partridge Green and Shermanbury	30m width cleared for cable corridor and haul road	0.03ha

Woodland ID	Туре	Proposed loss	Area lost (ha)
W387	Semi-natural broadleaved woodland Small woodland strip north of Bolney Substation	20m width cleared for cable corridor and haul road	0.02ha
W3712	Semi-natural broadleaved woodland Adjacent to eastern boundary of Bolney Substation	Small area to be cleared for connection works	0.12ha
W1002	Broadleaved woodland – plantation Woodland strip located along an access track/PRoW east of B2135 (Bines Road) north of Bines Green and west of the River Adur.	4m width lost to enable Public Right of Way diversion	0.006ha
W505	Mixed woodland – semi- natural Strip of woodland located along a field margin to the northeast of Partridge Green and Shermanbury	30m width cleared for cable corridor and haul road	0.04ha

2.3 Scrub

2.3.1 Losses of scrub are approximately 1ha in extent (see Figure 7.2.3 Vegetation Retention and Removal Plan – Scrub). It is noted that in several locations scrub may be noted in the same location as a tree line or hedgerow. This is representative of locations where, for example, there is a scrub understorey to a tree line or bramble patches adjacent to a hedgerow. In other locations the scrub is the dominant feature and is often associated with outgrown hedgerows that have become wider and taller than would usually be associated with a hedgerow. Due to the scattered nature of some of the scrub the losses are not tabulated.

2.4 Grassland

2.4.1 Grassland losses shown on the Figure 7.2.4 Vegetation Retention and Removal Plans - Grassland are those that have been identified as supporting priority habitat (mainly calcareous grassland or coastal and floodplain grazing marsh)-these equate to approximately 2.59ha (see Table 2-3). Additionally, two fields identified by a stakeholder at Crateman's Farm as supporting higher quality grassland than identified in **Appendix 22.3 Extended Phase 1 habitat survey [APP-181**] have been added to Figure 7.2.4 Vegetation Retention and Removal Plans – Grassland and Table 2-3. These have been added to highlight them for additional scrutiny during the pre-commencement surveys secured via commitment C-294.

Table 2-3 Grassland within the proposed DCO Order Limits

Grassland ID	Туре	Proposed loss	Area lost (ha)
CFGM3002/CFGM 3001/ CFGM3016	Coastal and floodplain grazing marsh	Haul road and open trenching works	1.60
CFG5835/CFGM5 842	Coastal and floodplain grazing marsh	Haul road and open trenching works	0.90
<u>SI1a / b and SI2</u>	Neutral semi-improved grassland	<u>Haul road and</u> open trenching works	<u>0.80</u>

2.5 Ponds

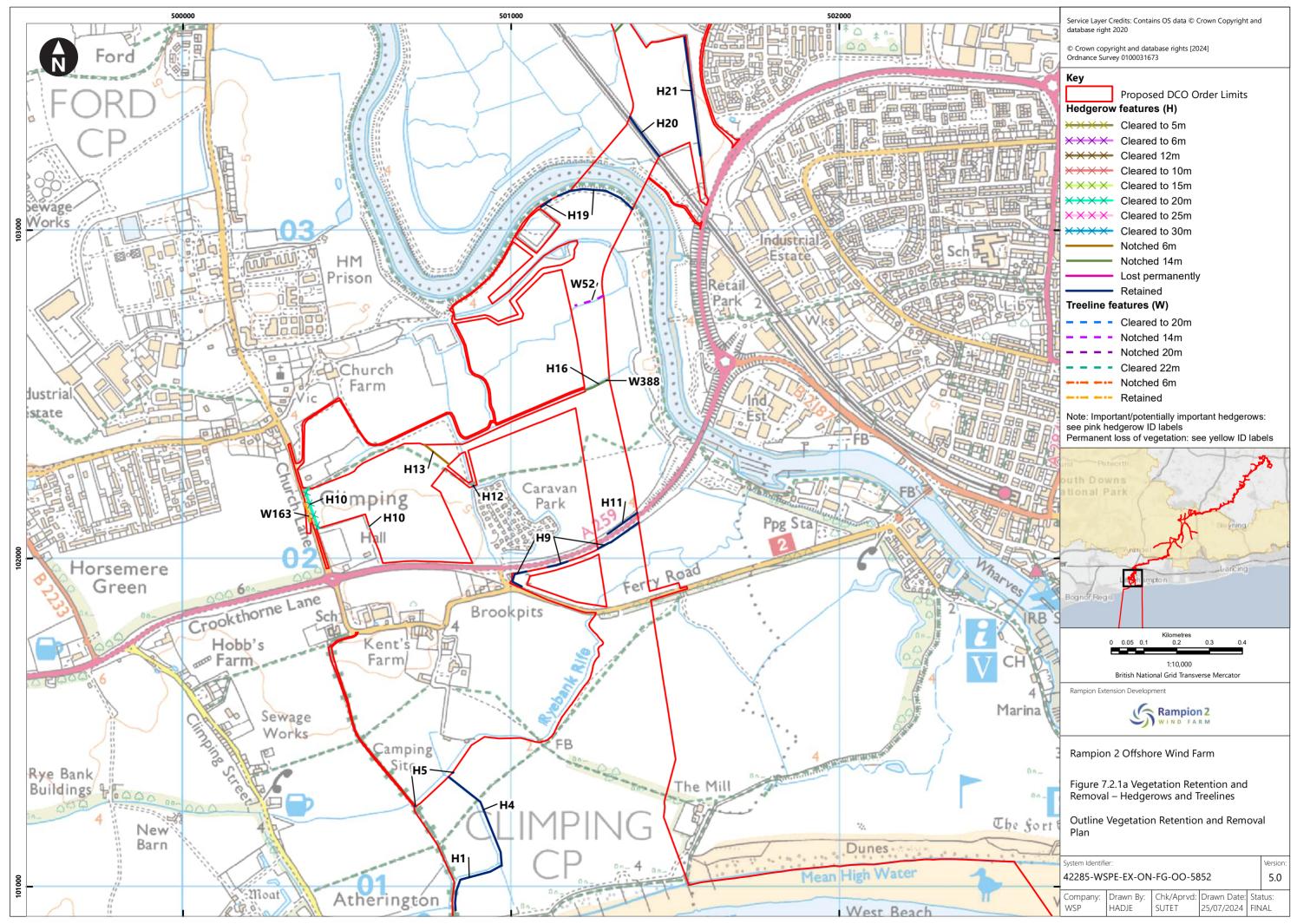
2.5.1 No ponds are lost to the Proposed Development (see Figure 7.2.5 Vegetation Retention and Removal Plans – Ponds).

2.6 Combined plan

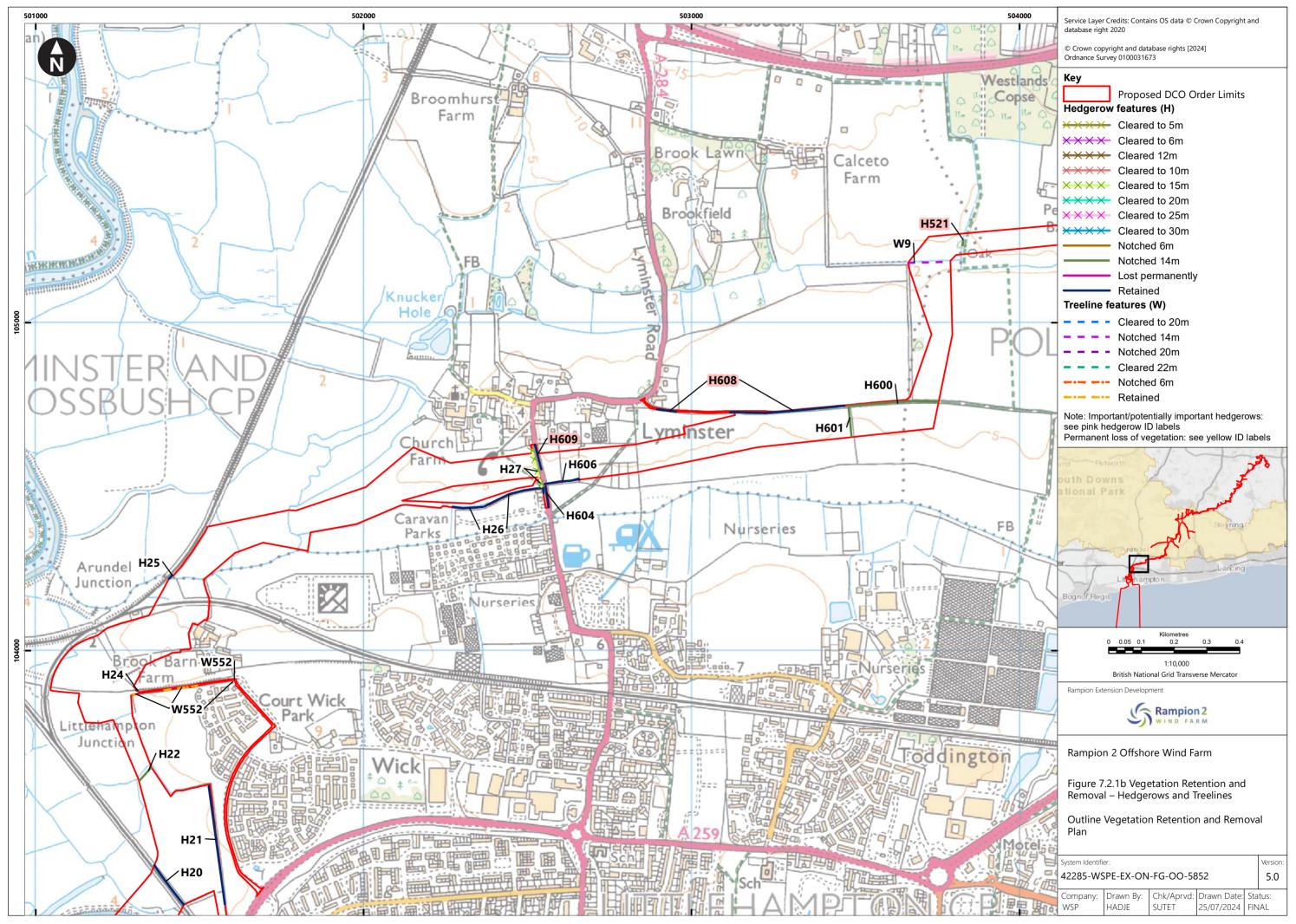
2.6.1 A combined plan of all features has been provided in Figure 7.2.6 - Vegetation Retention and Removal Plans – Combined. This plan shows all features and whether they are affected or not. This should be used for information and the individual features plans in Figures 7.2.1 to 7.2.5 provide the detail at each location.

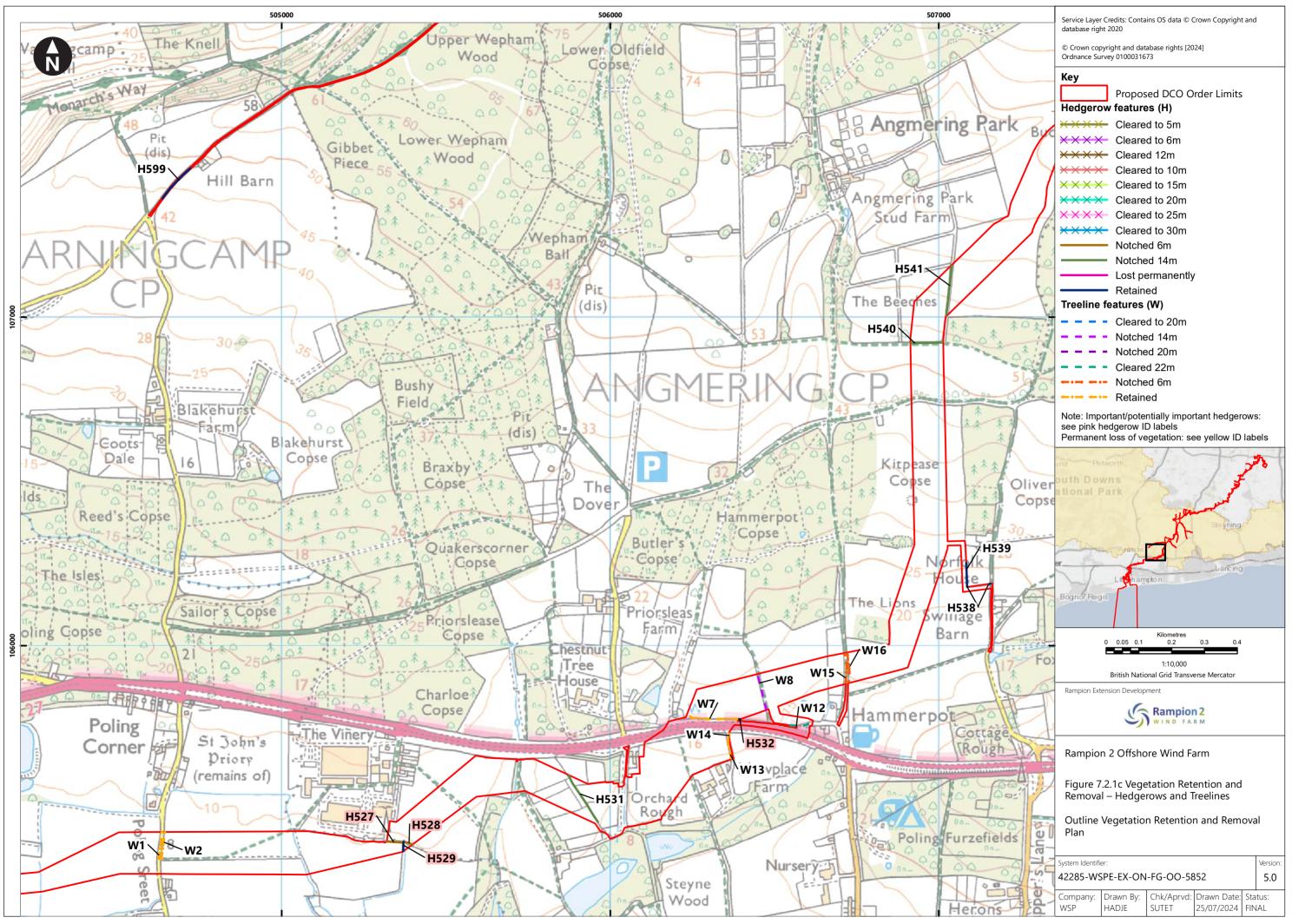
Figures

Figure 7.2.1 Vegetation Retention and Removal Plans - Hedgerows and tree lines Figure 7.2.2 Vegetation Retention and Removal Plans – Woodland Figure 7.2.3 Vegetation Retention and Removal Plans – Scrub Figure 7.2.4 Vegetation Retention and Removal Plans – Grassland Figure 7.2.5 Vegetation Retention and Removal Plans – Ponds Figure 7.2.6 Vegetation Retention and Removal Plans – Combined

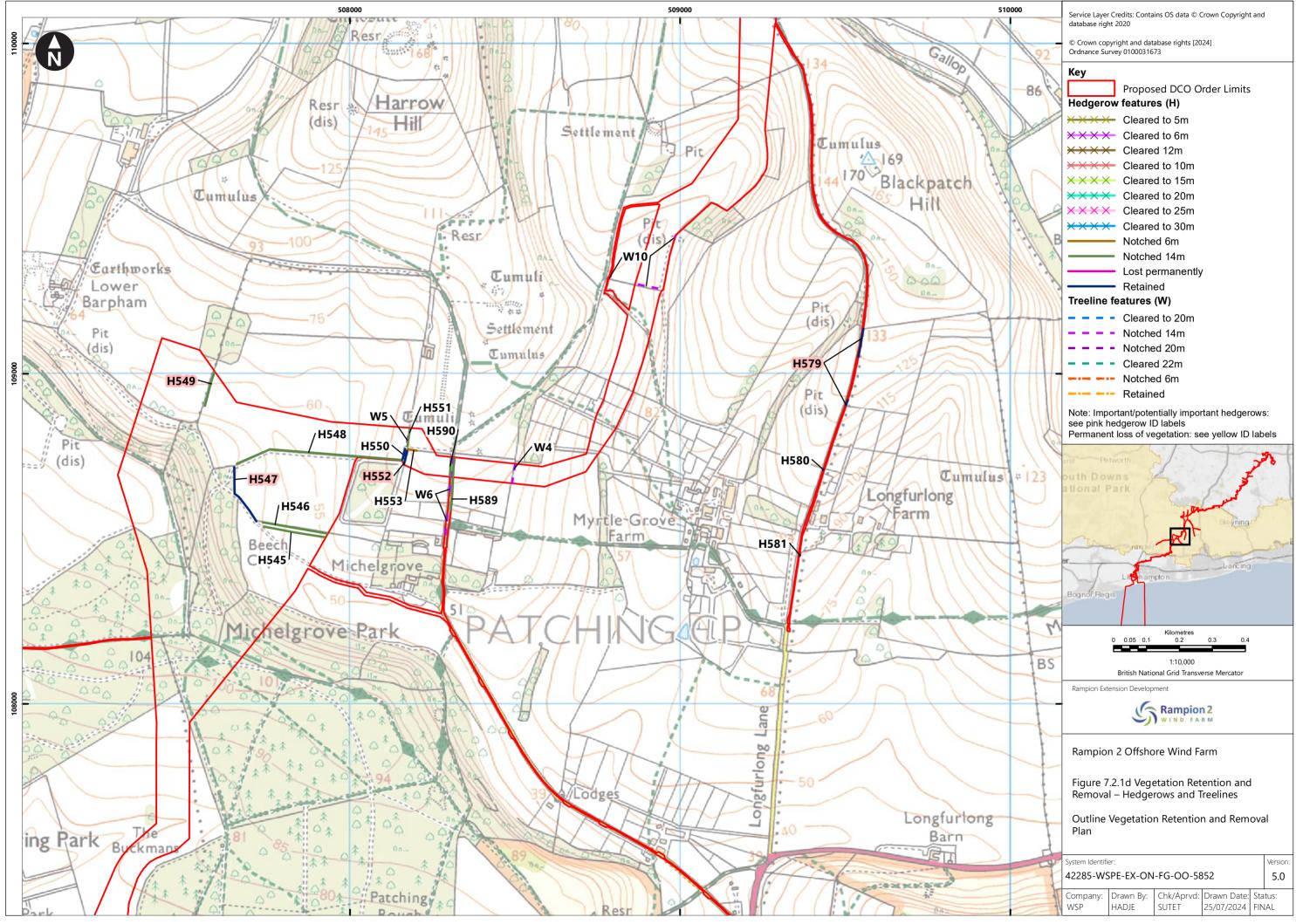


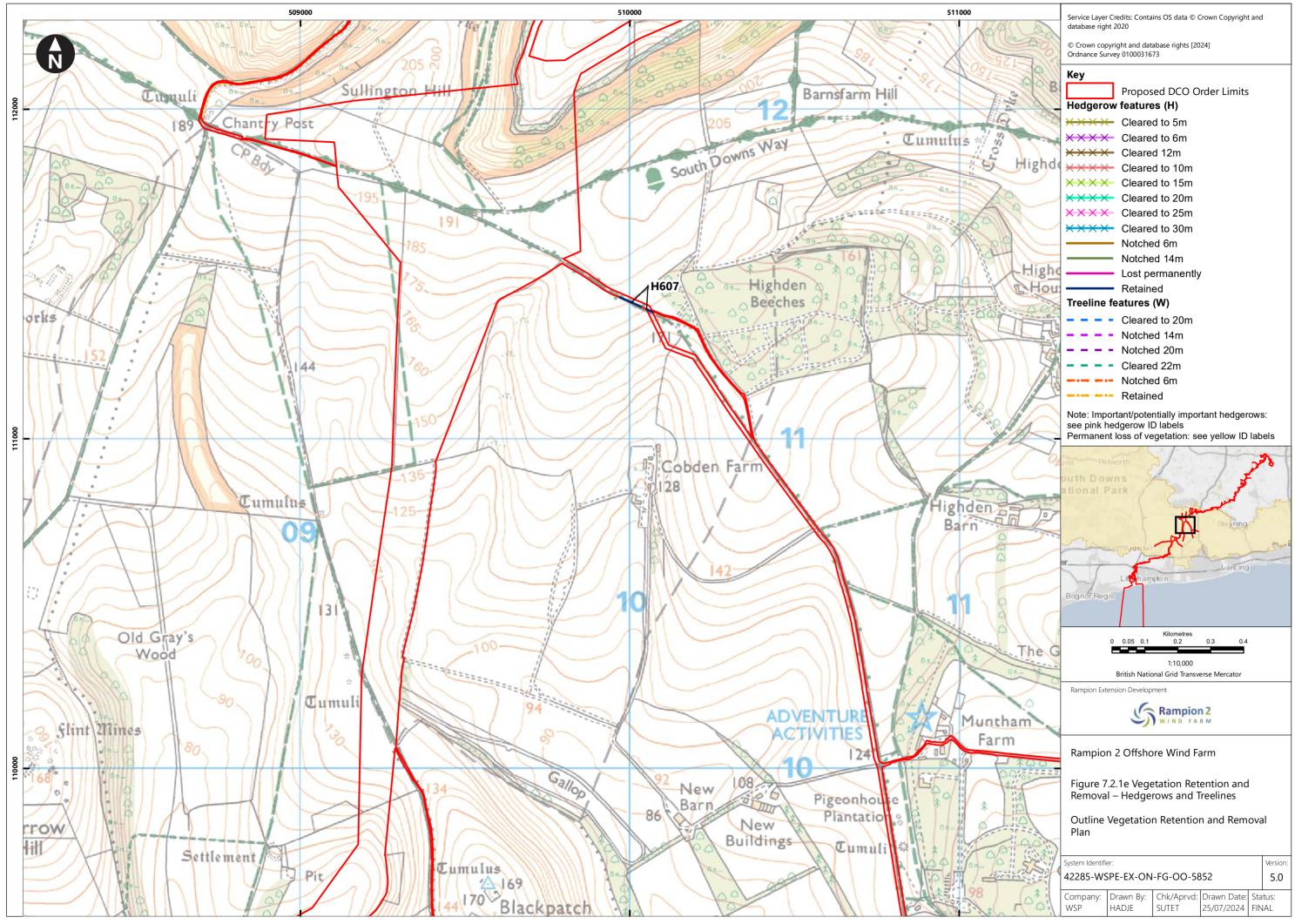
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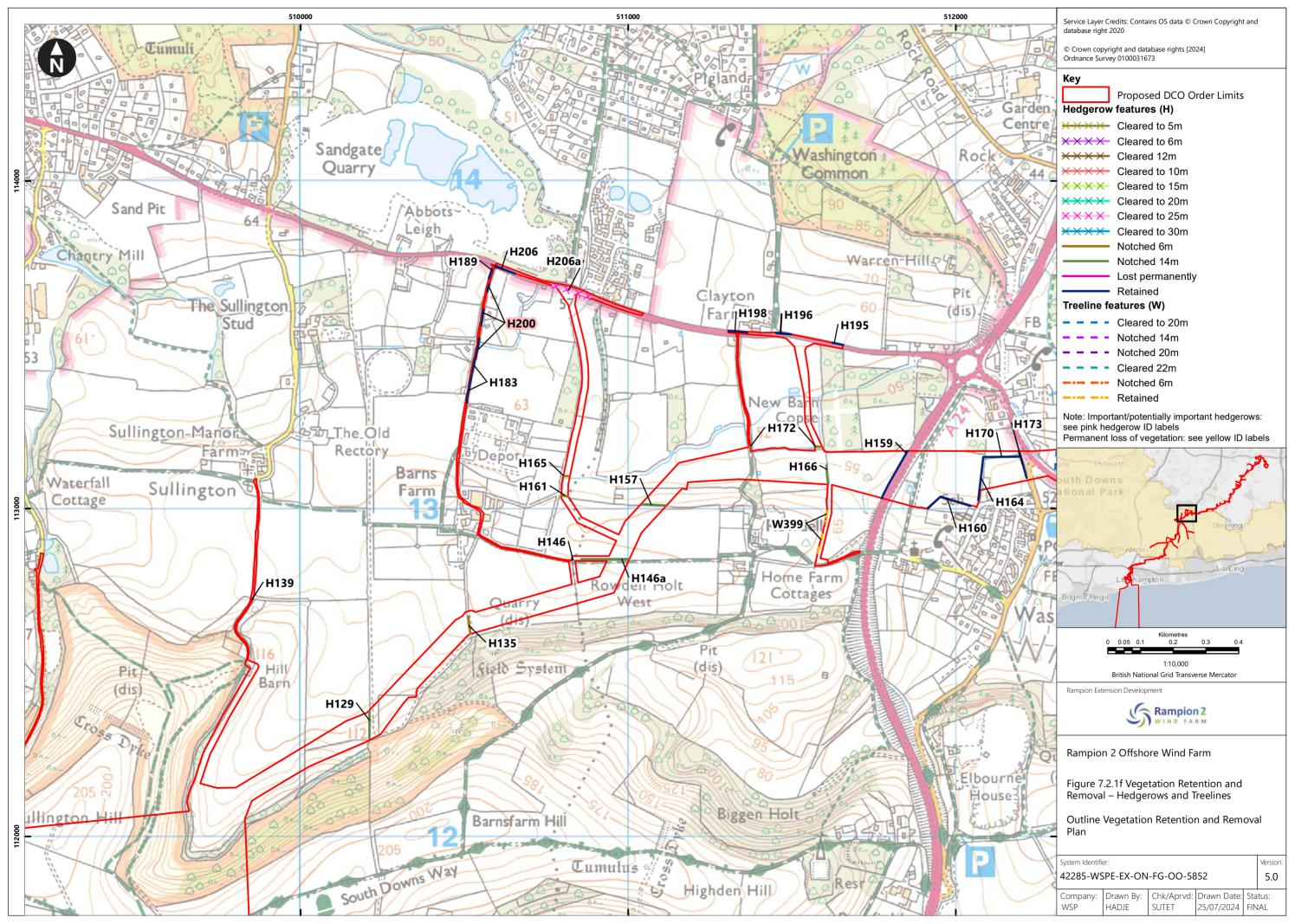




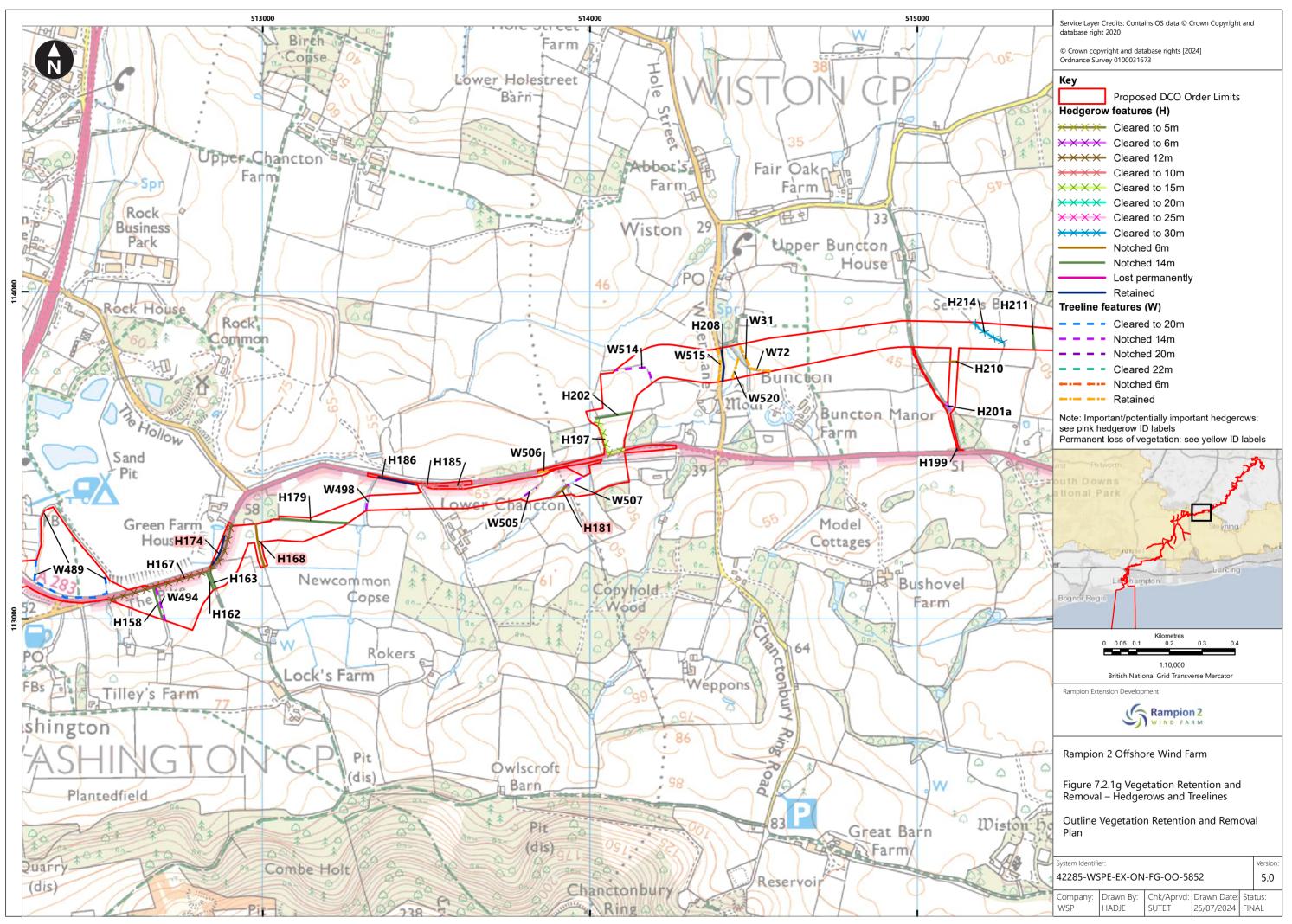
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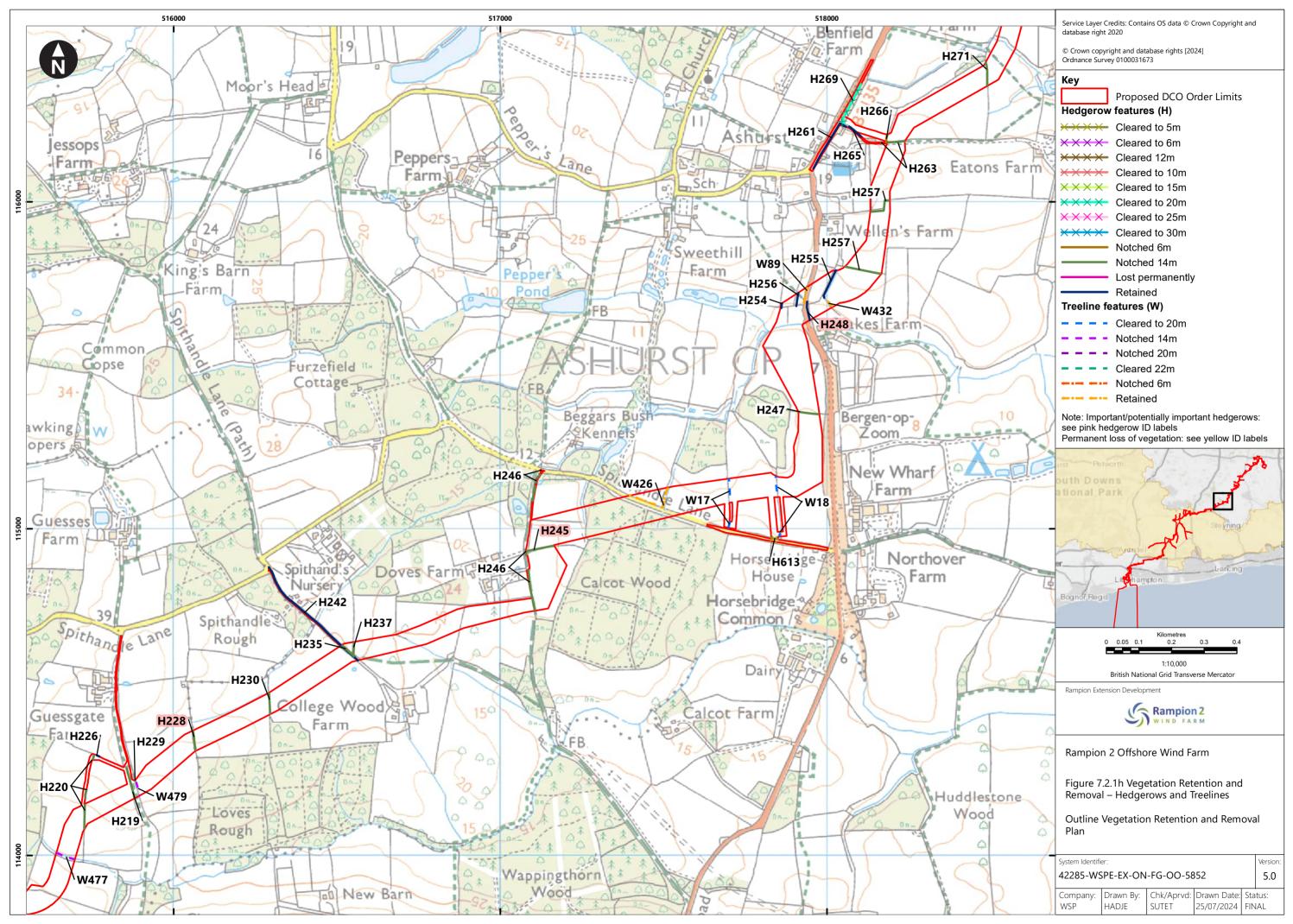


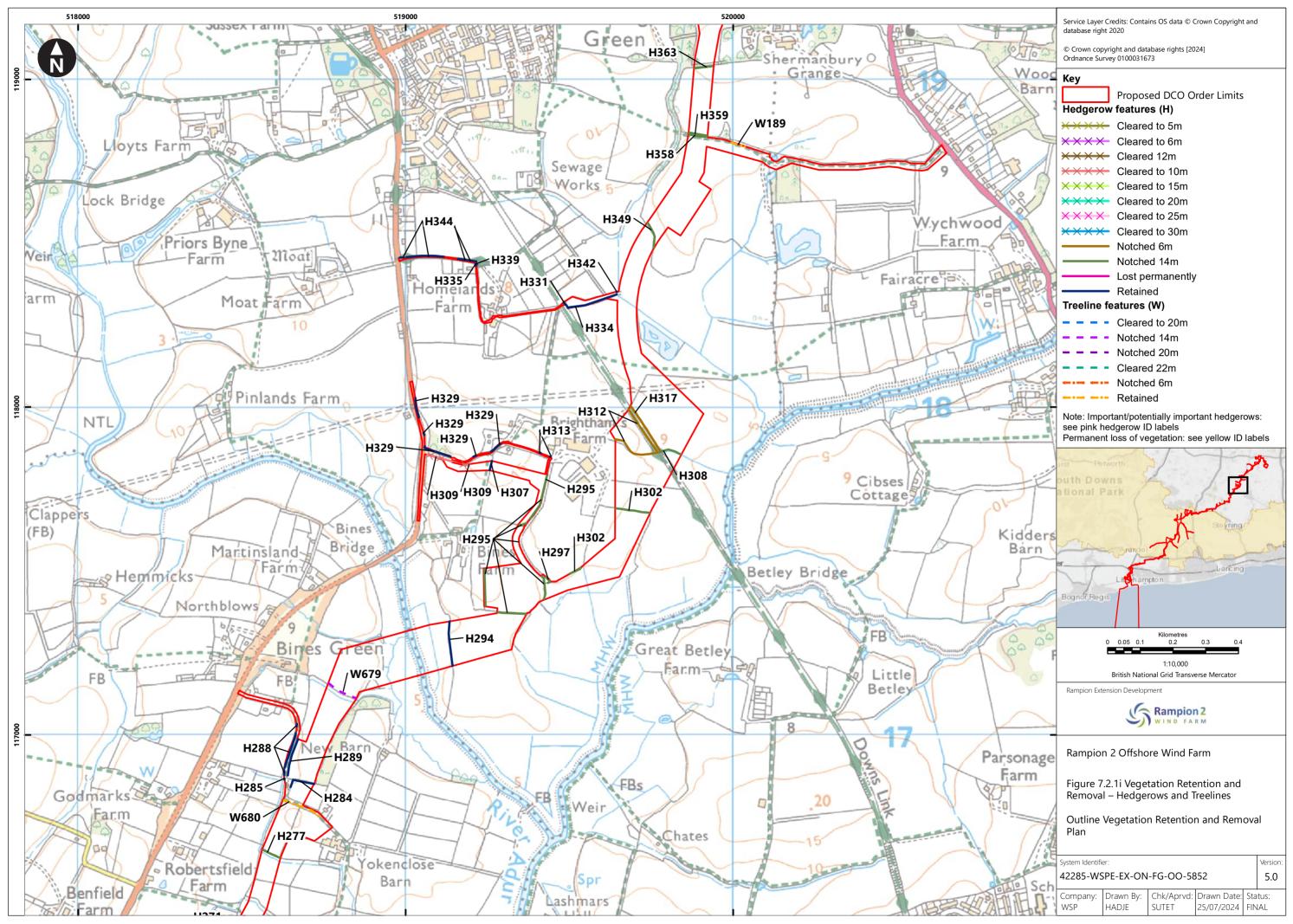




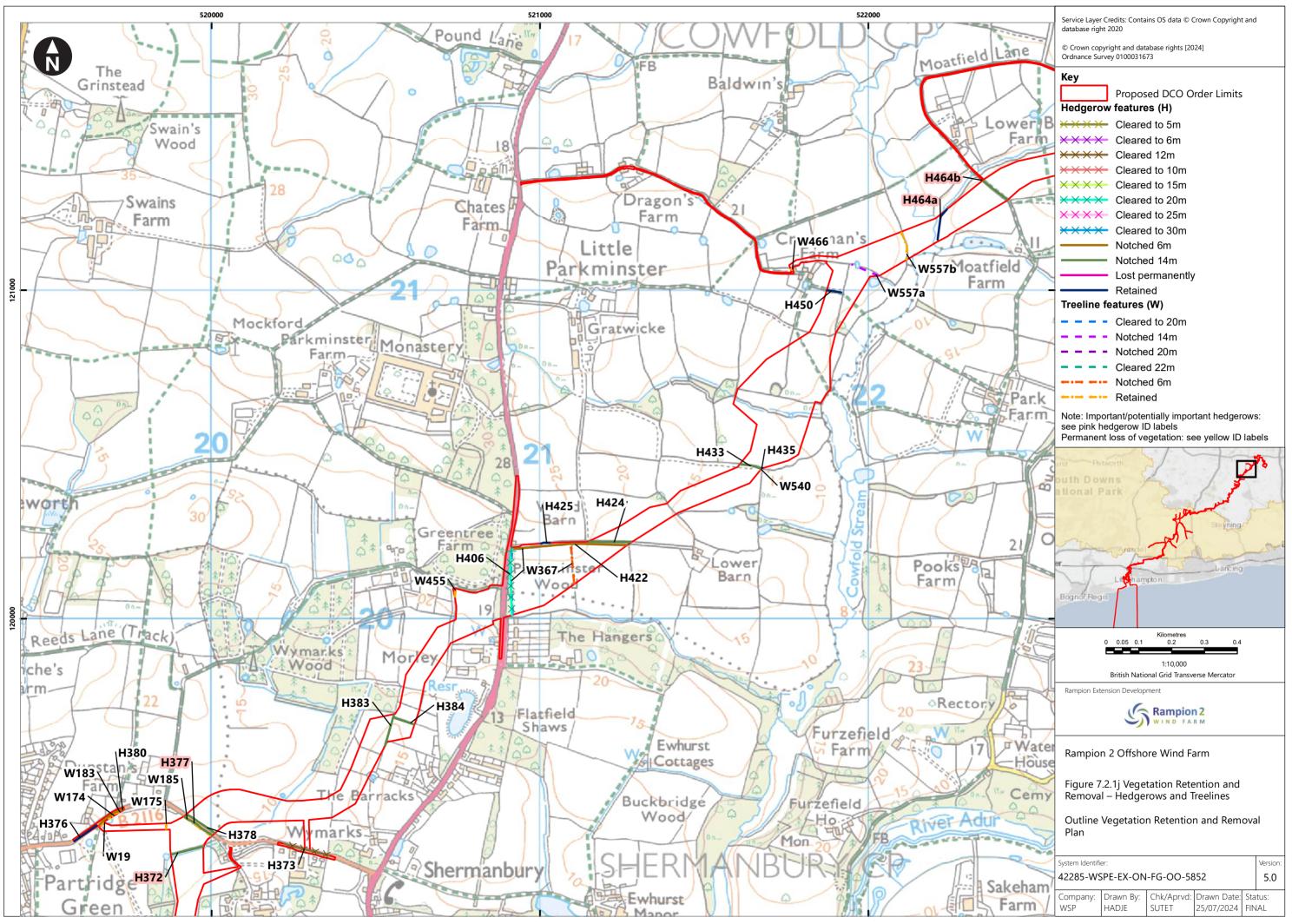
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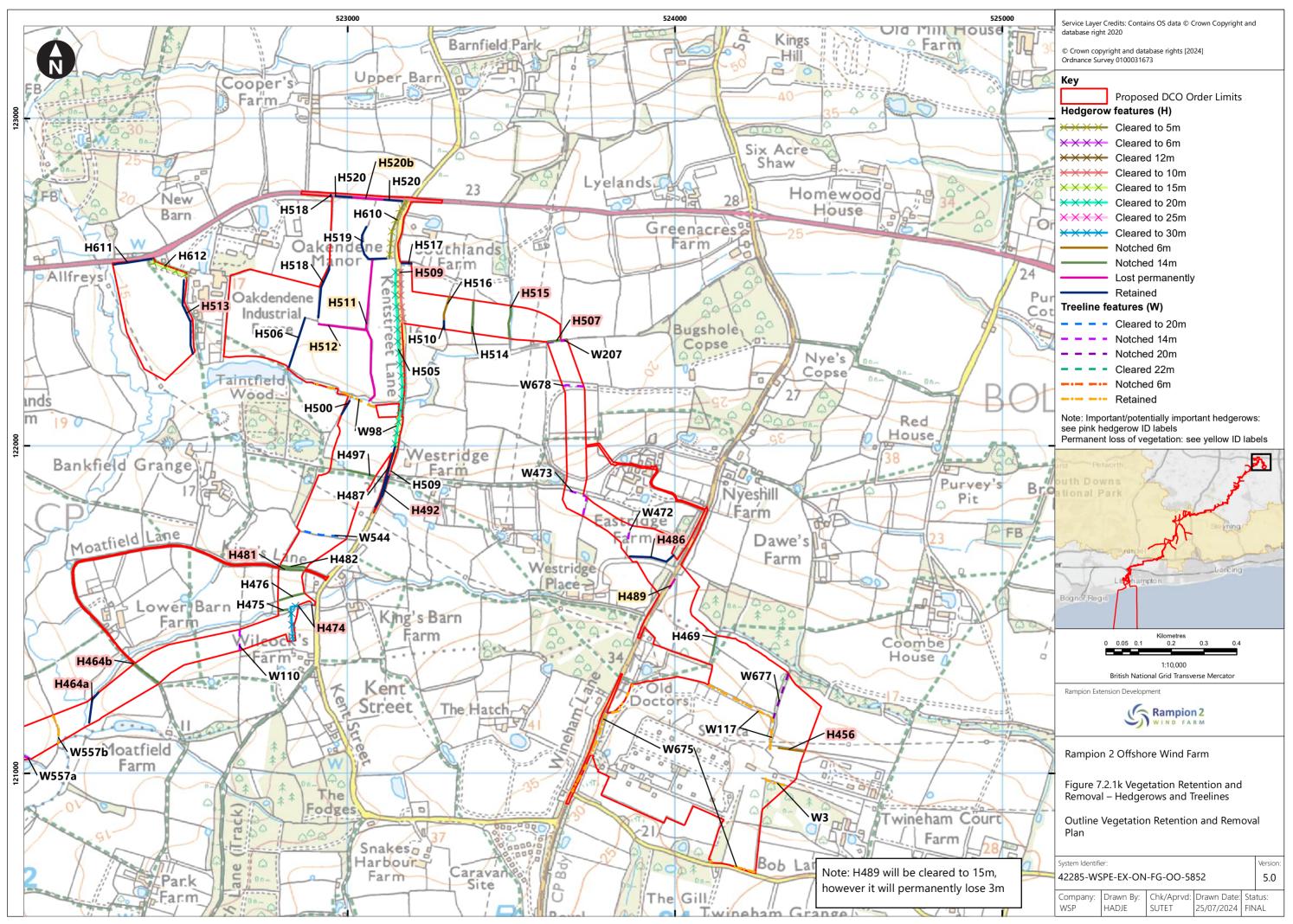


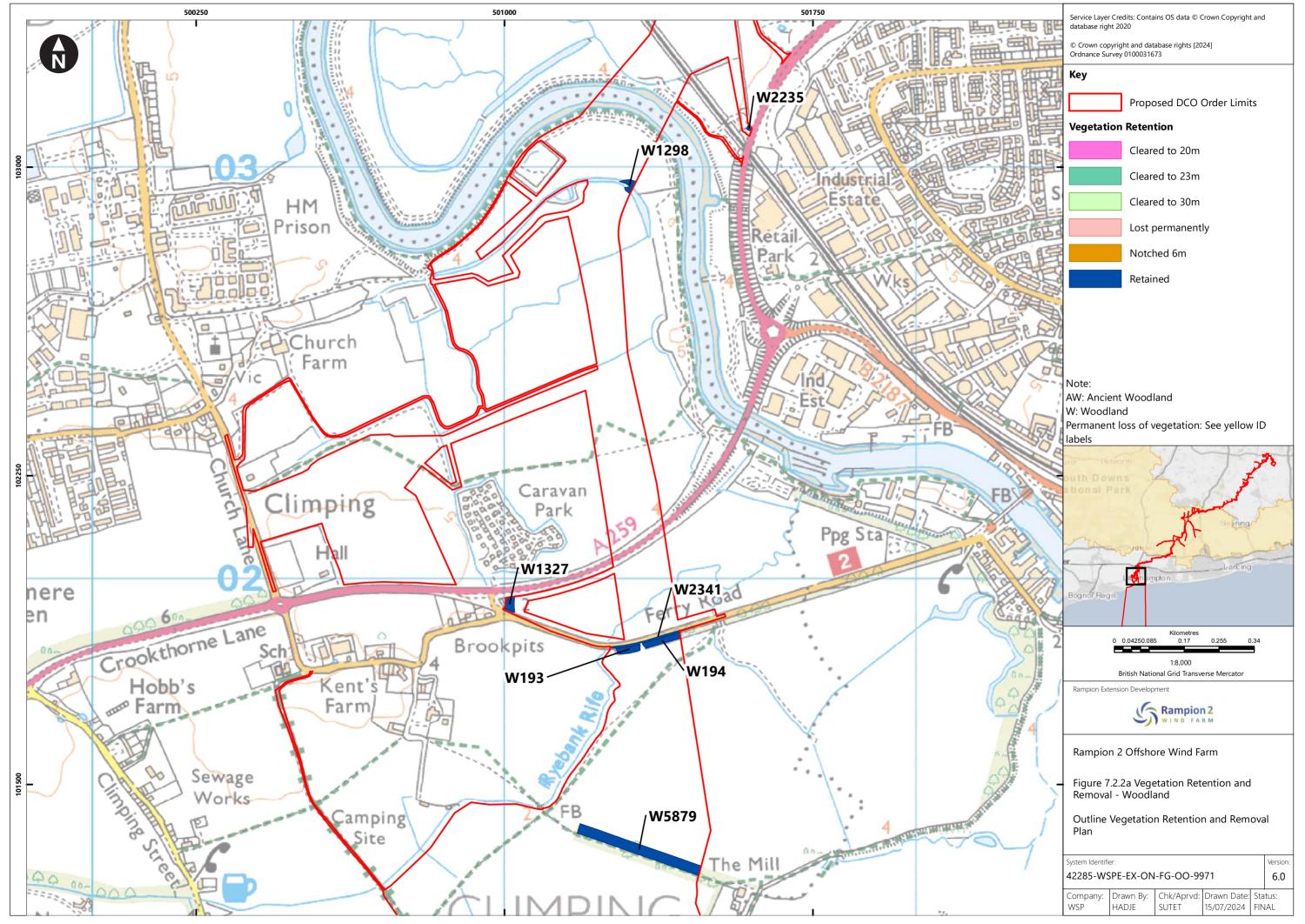


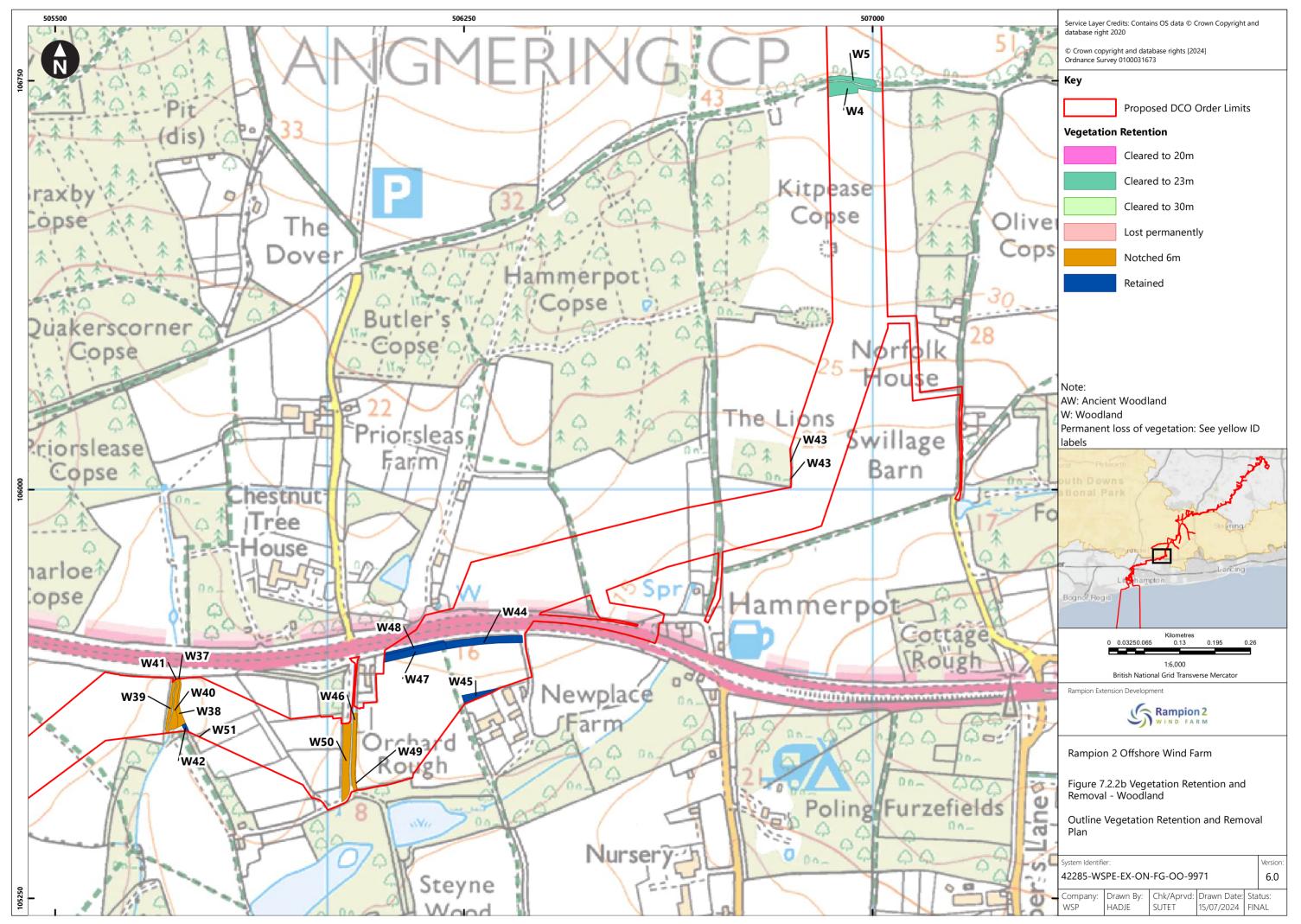


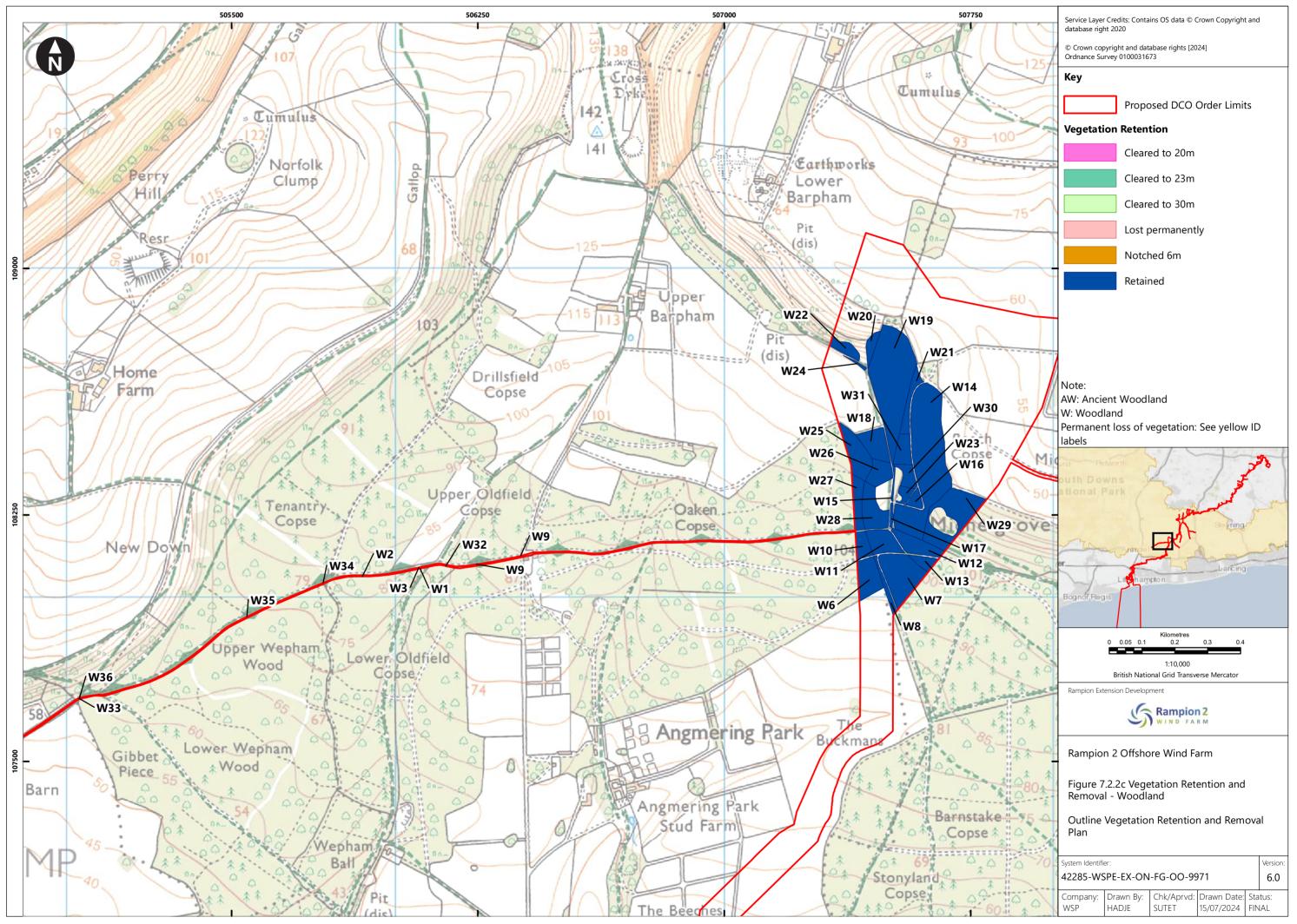
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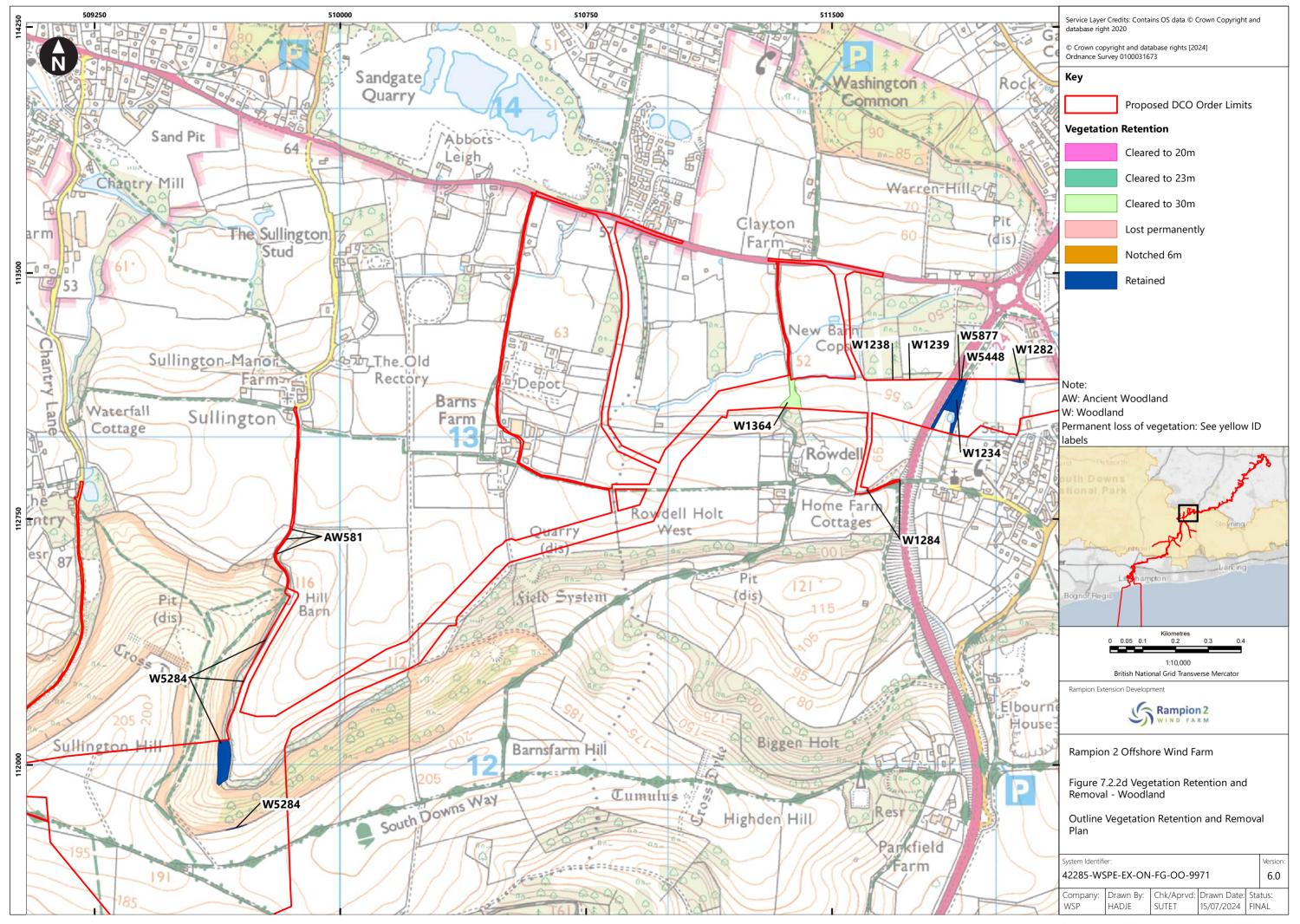


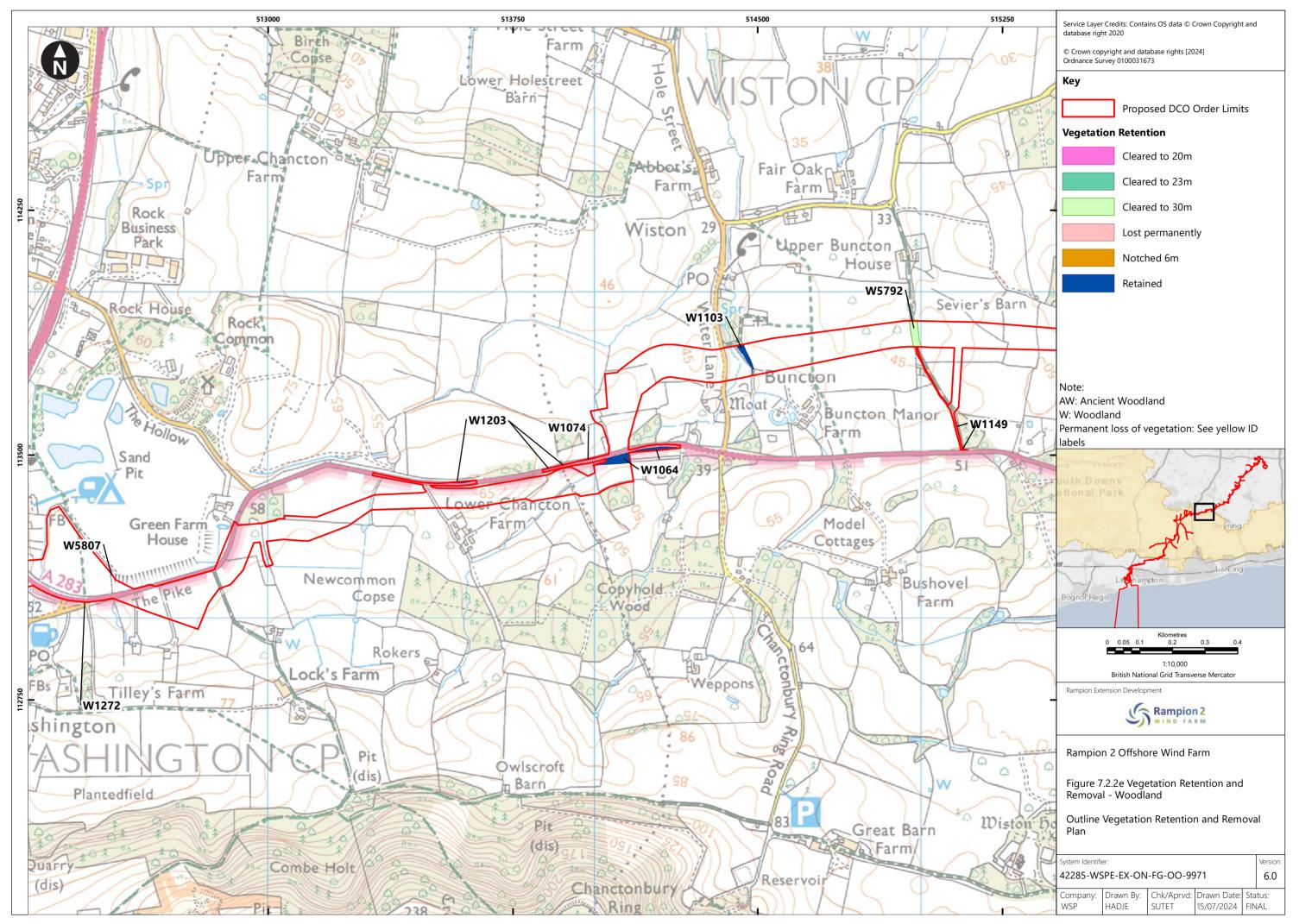


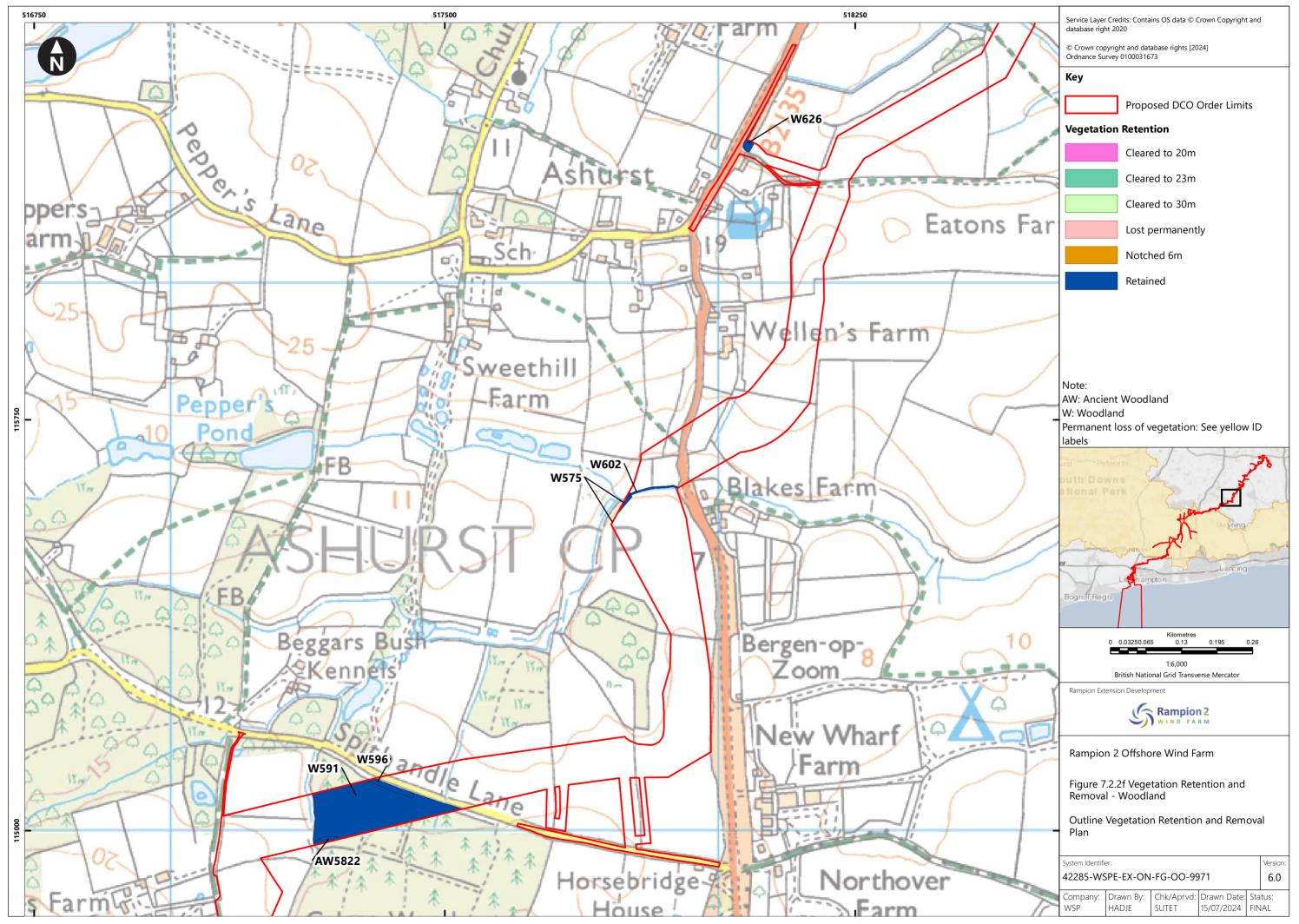


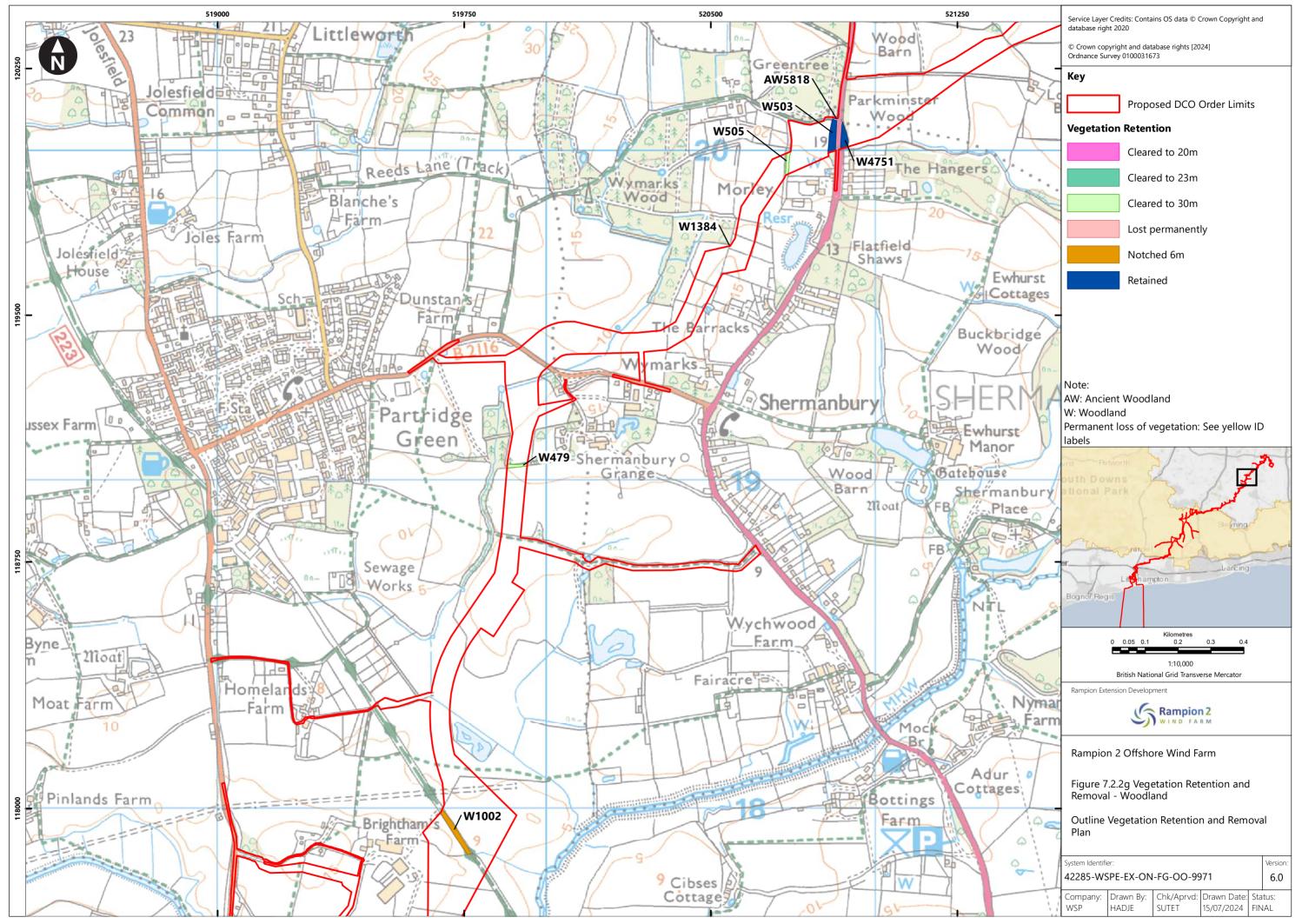


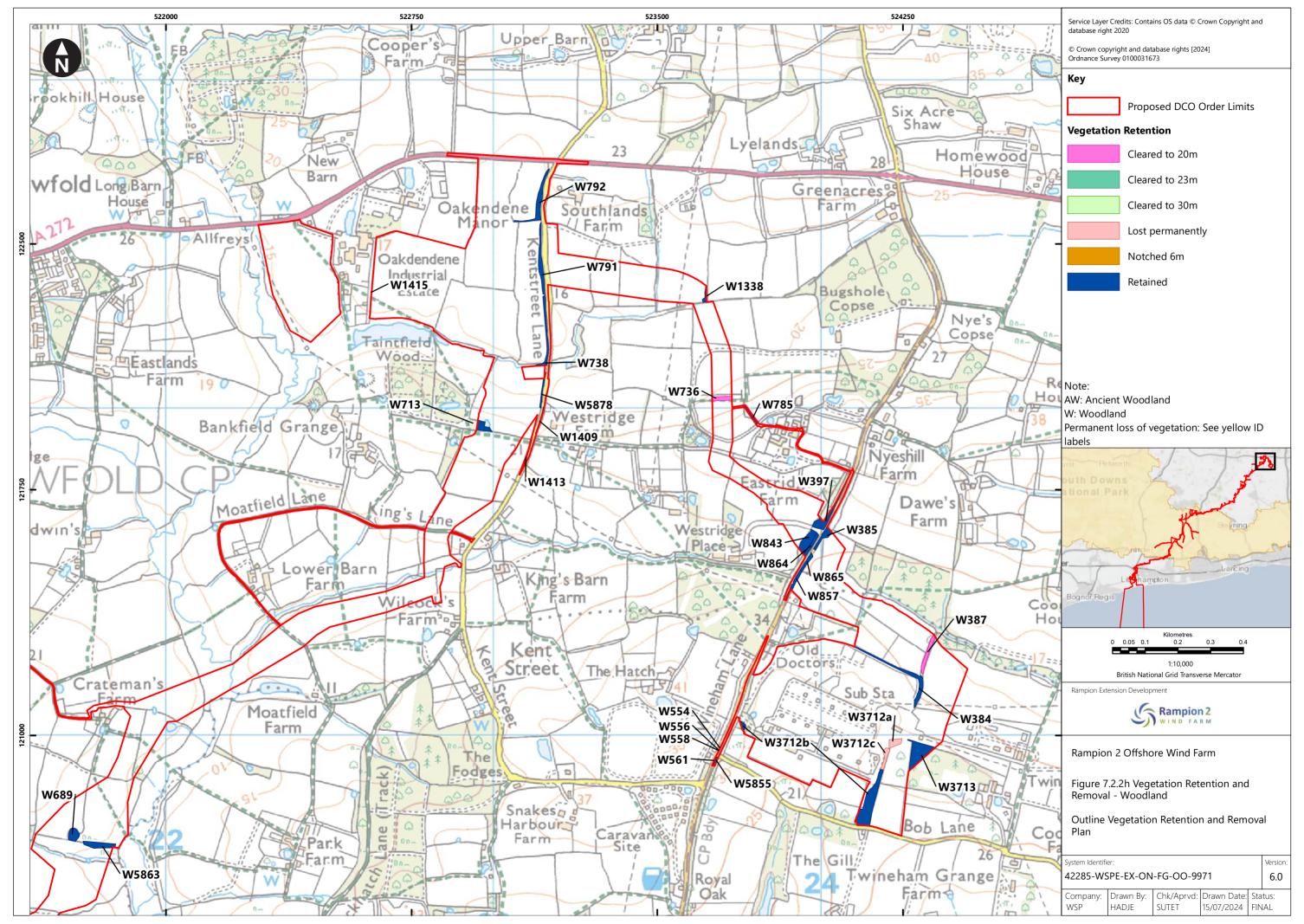


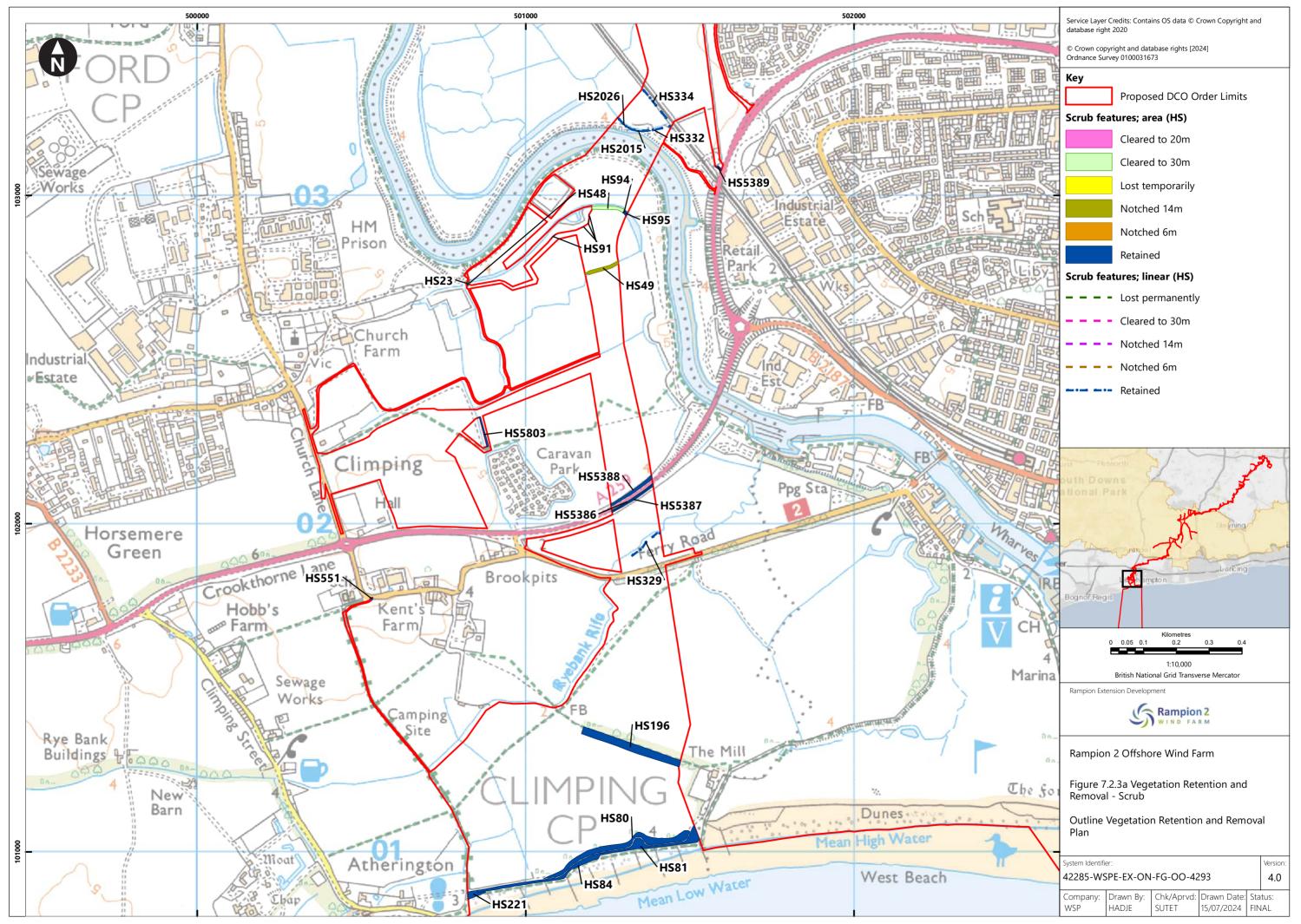


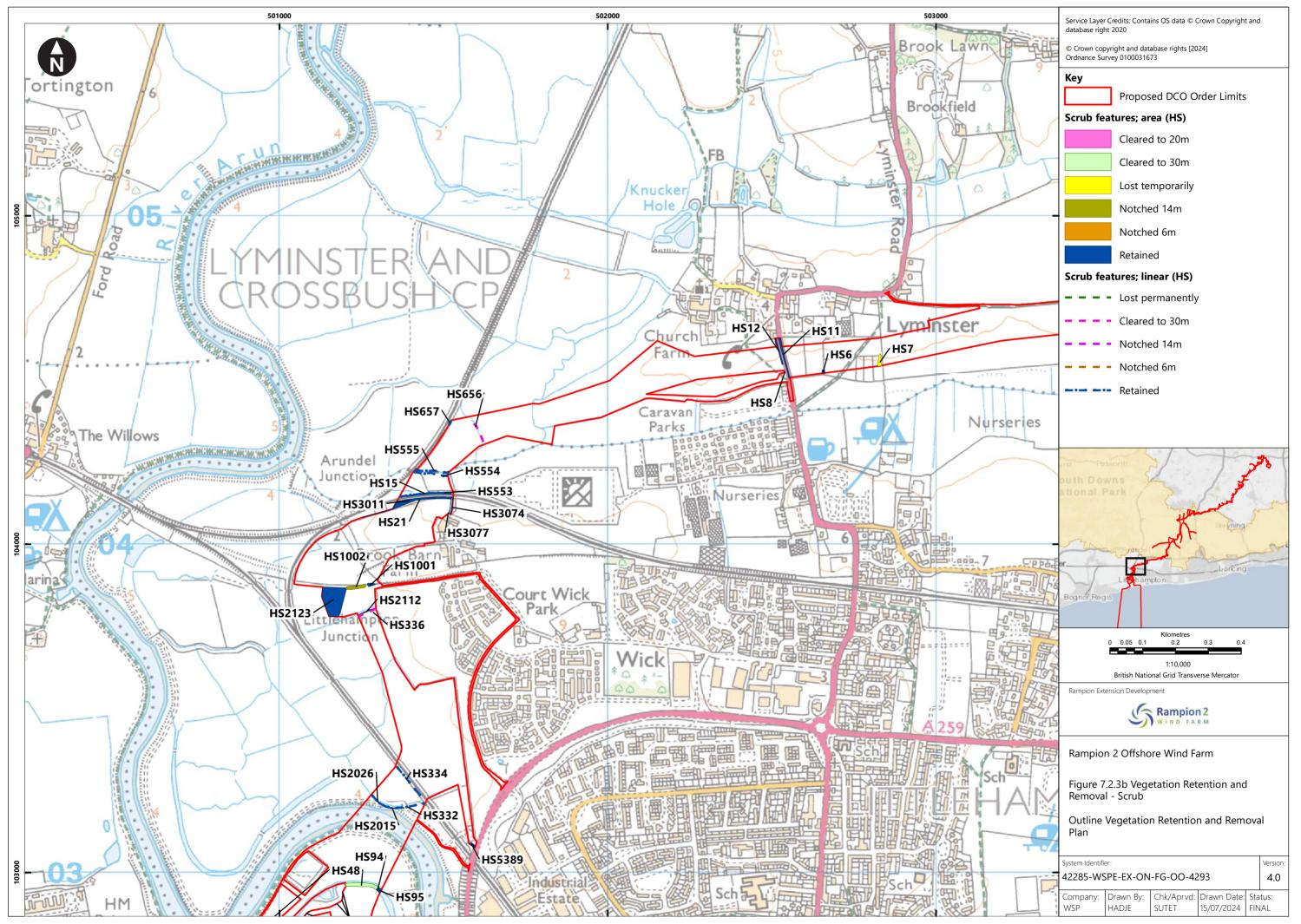


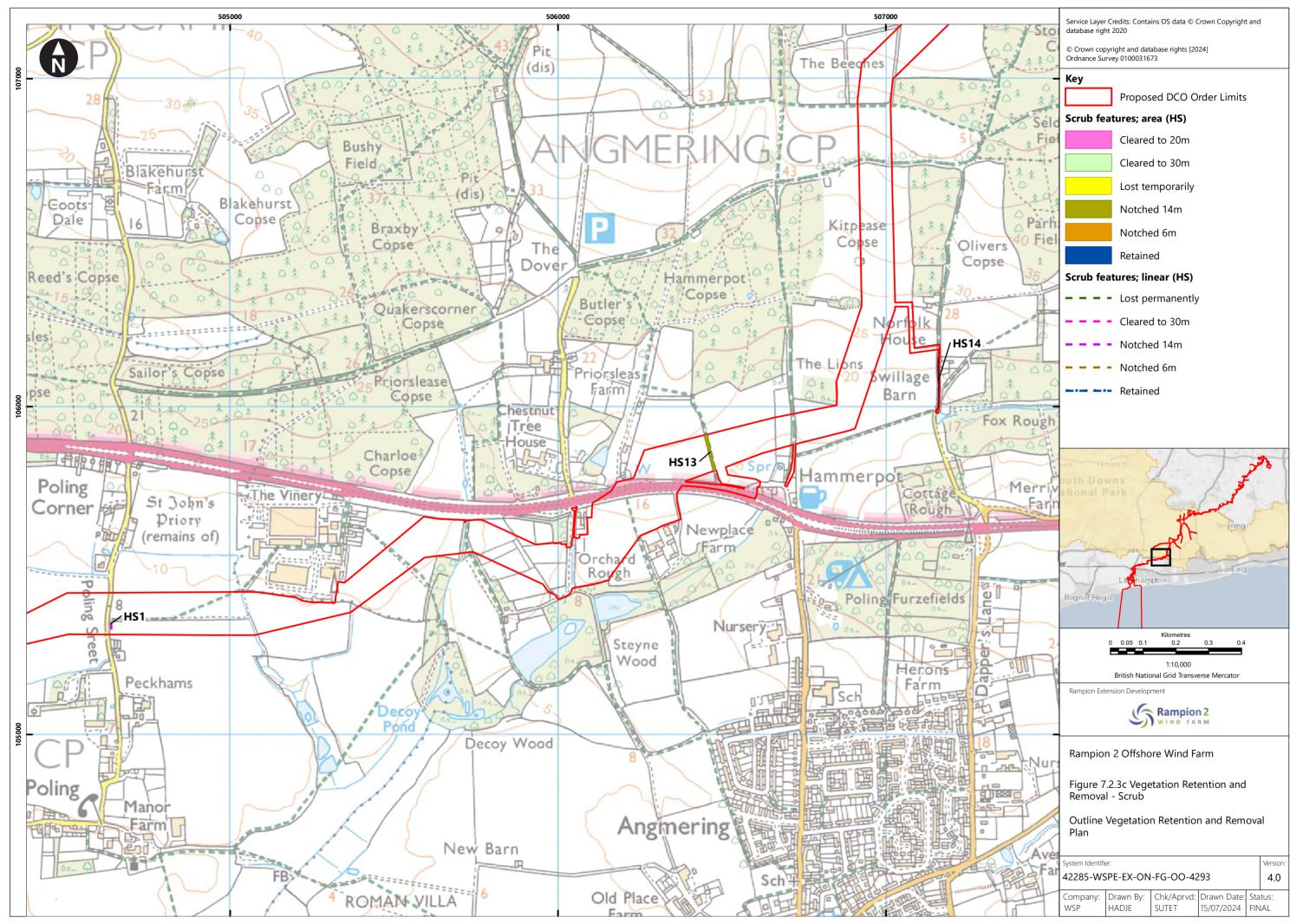


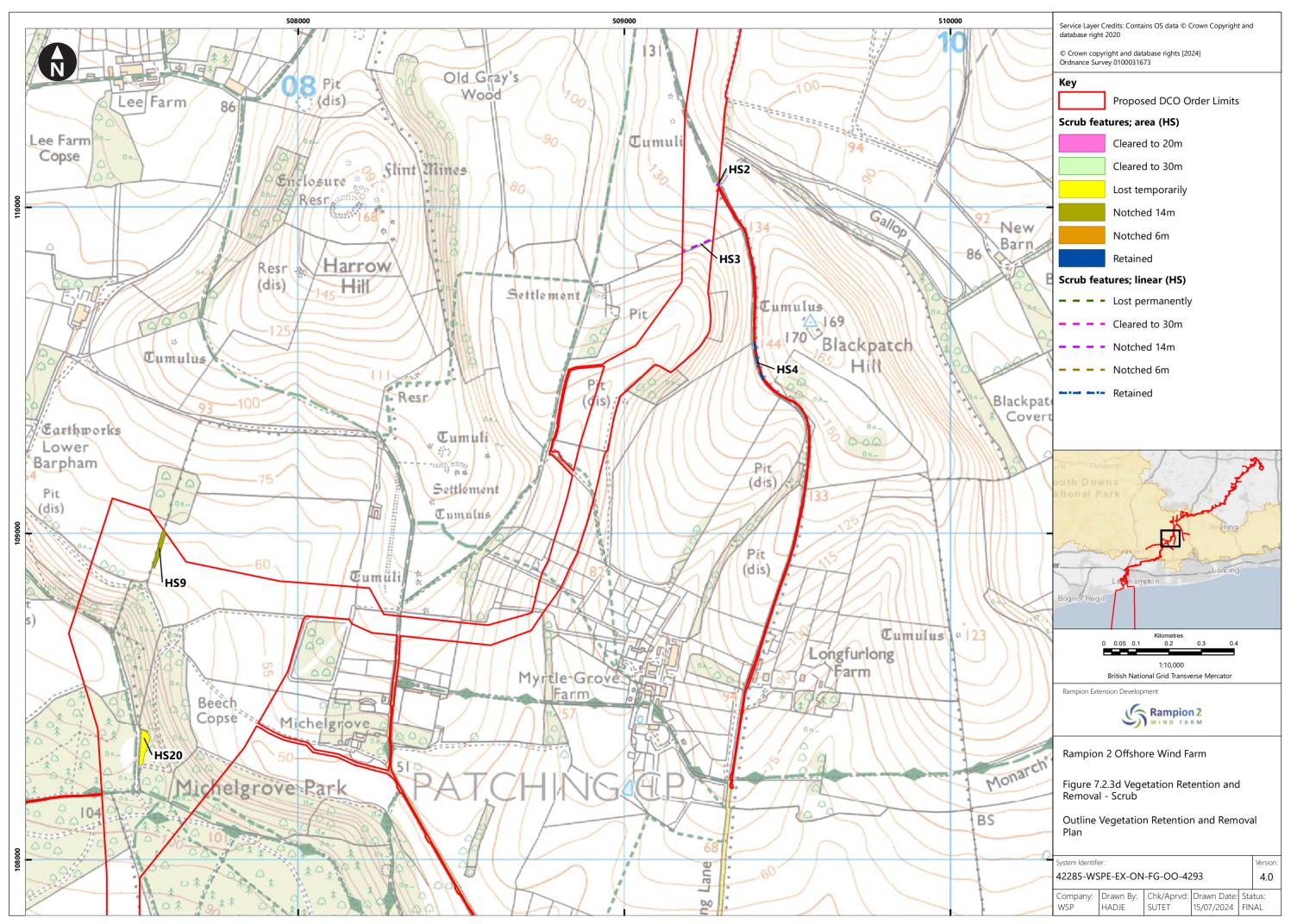


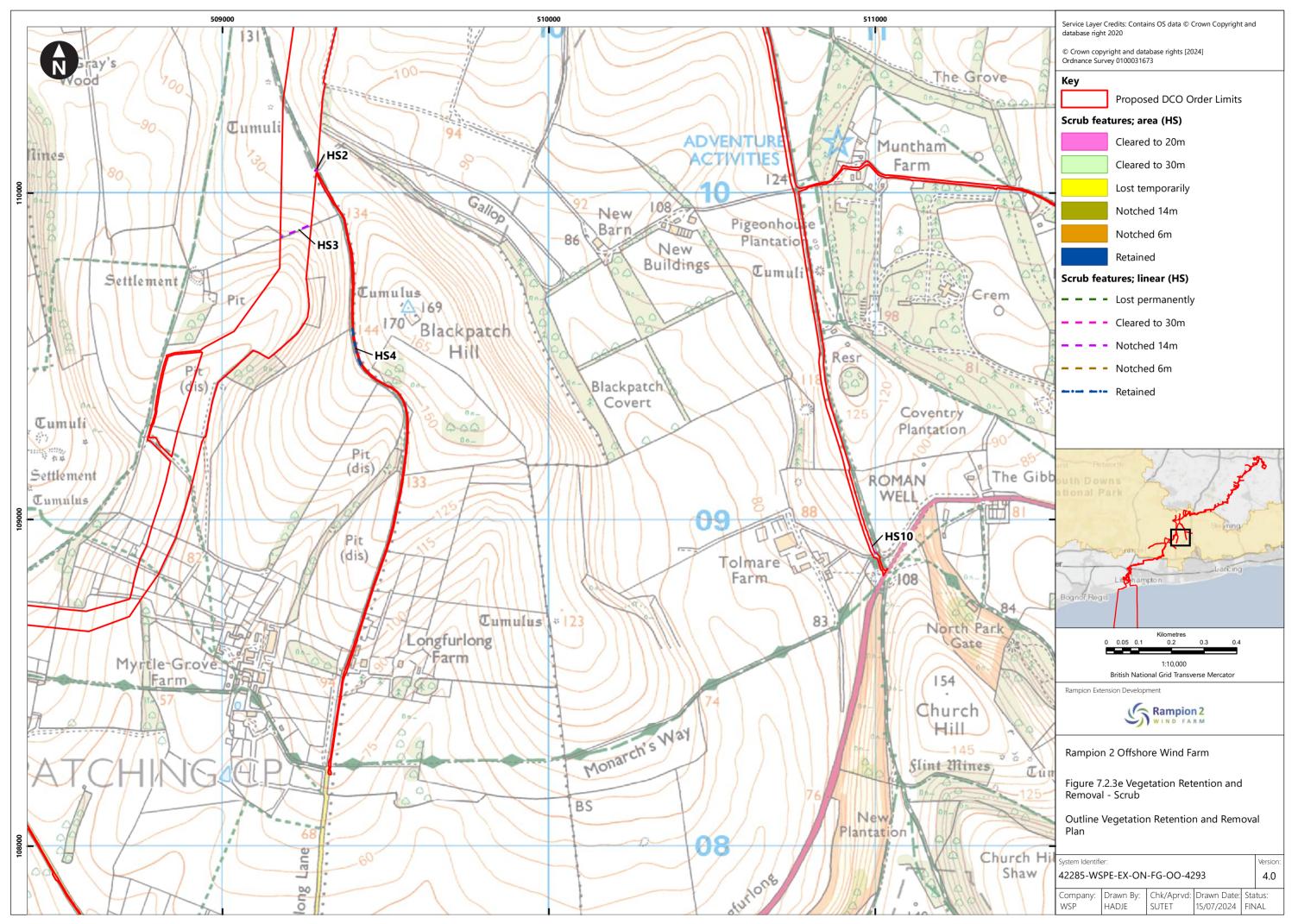


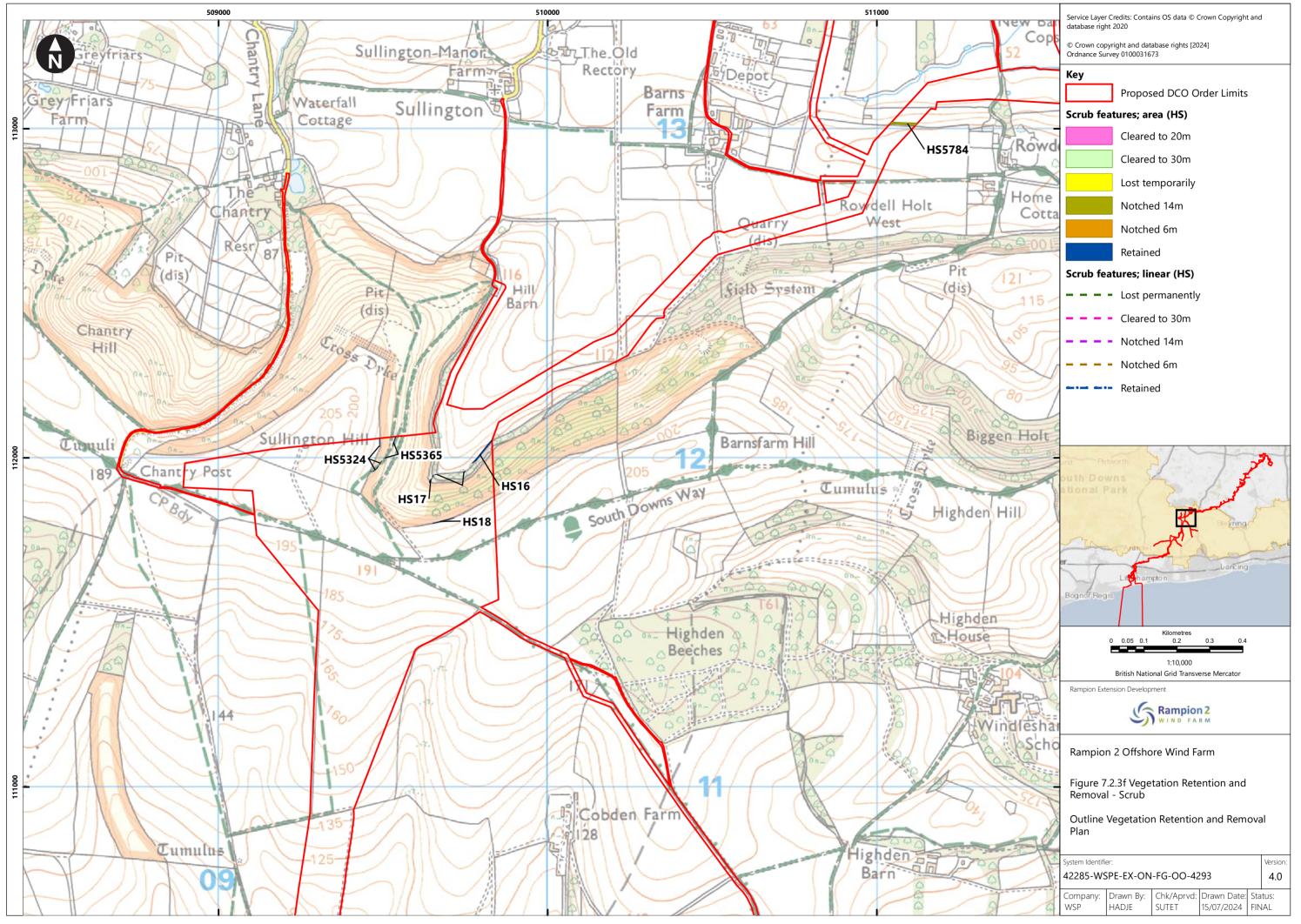


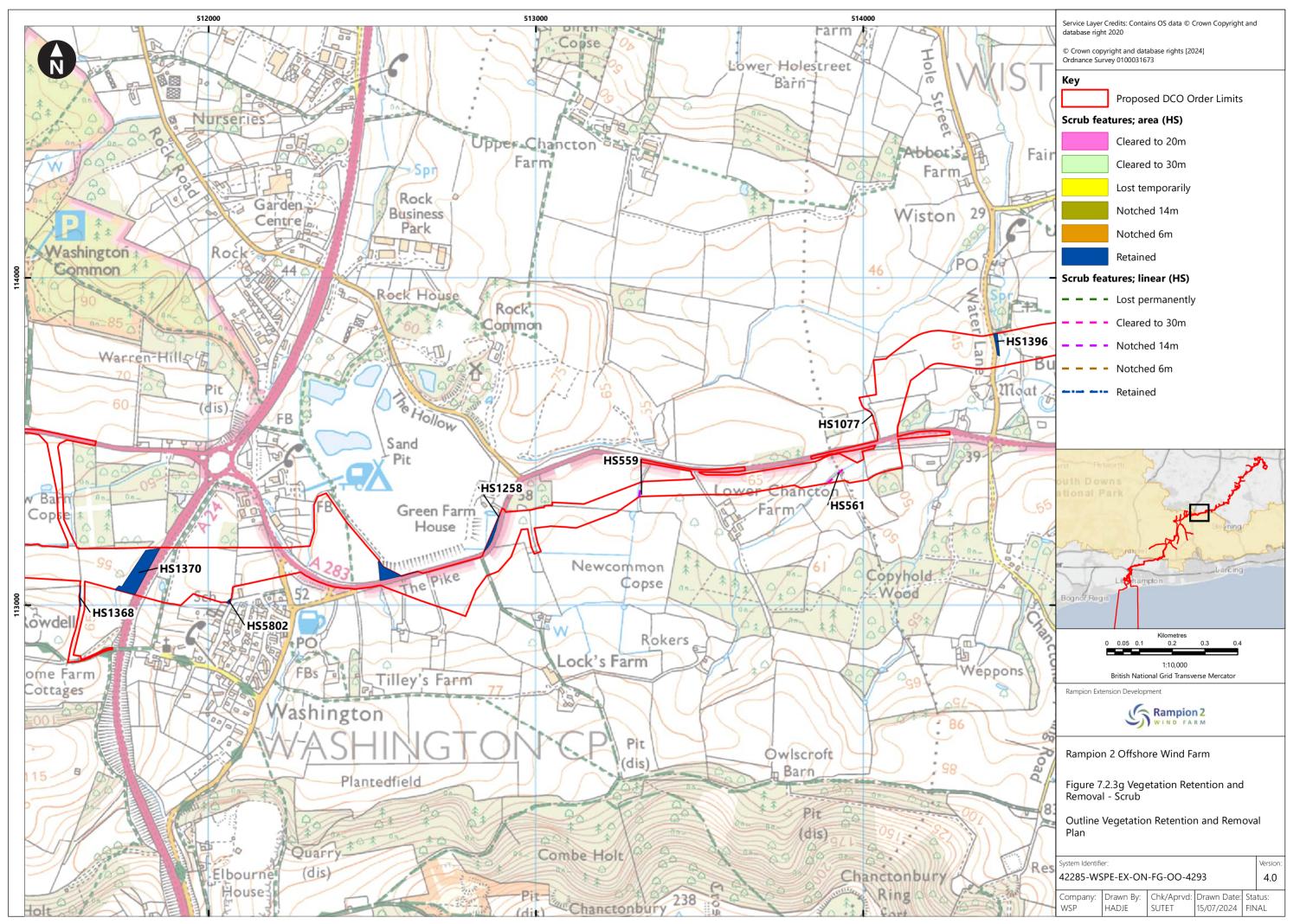


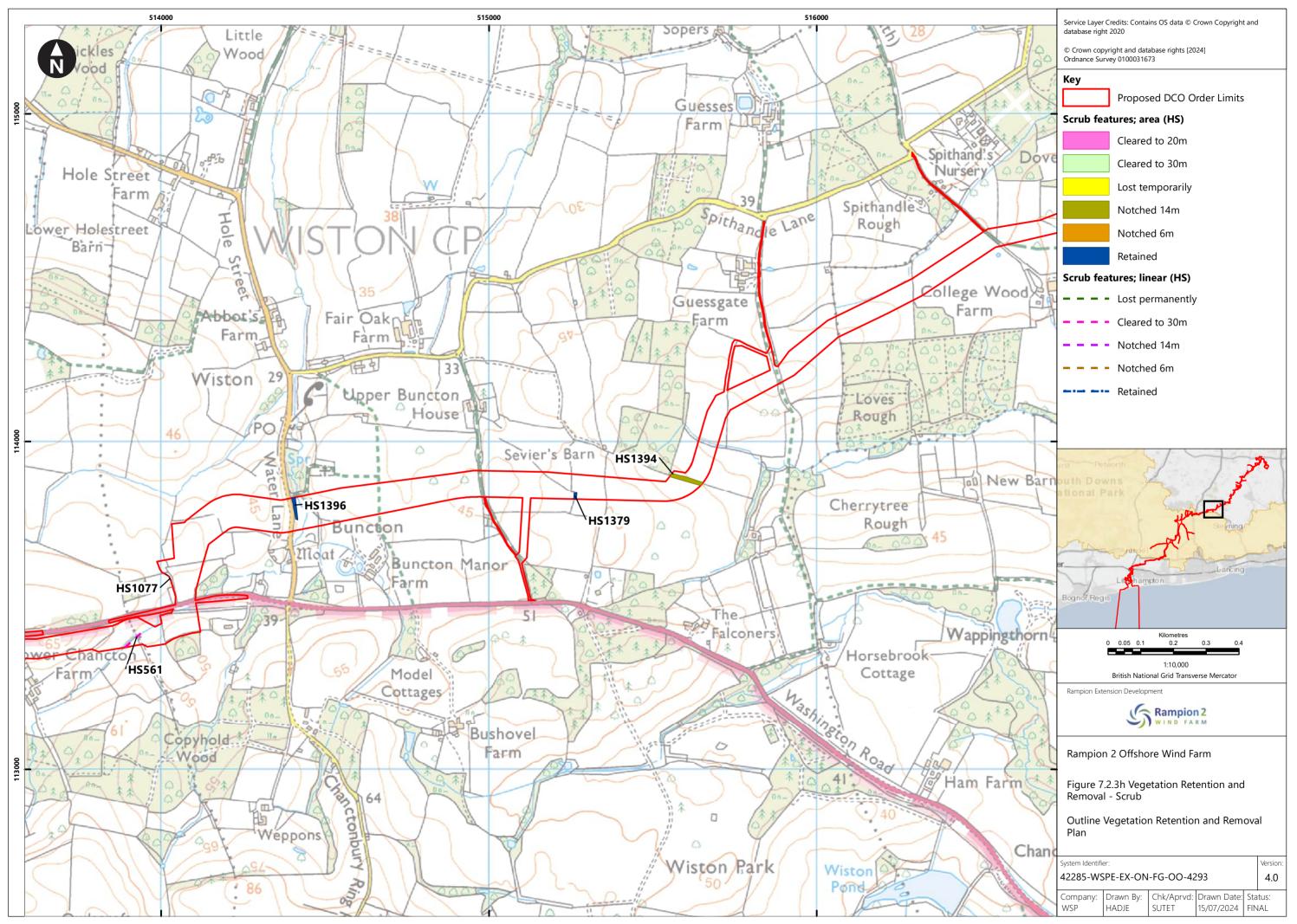


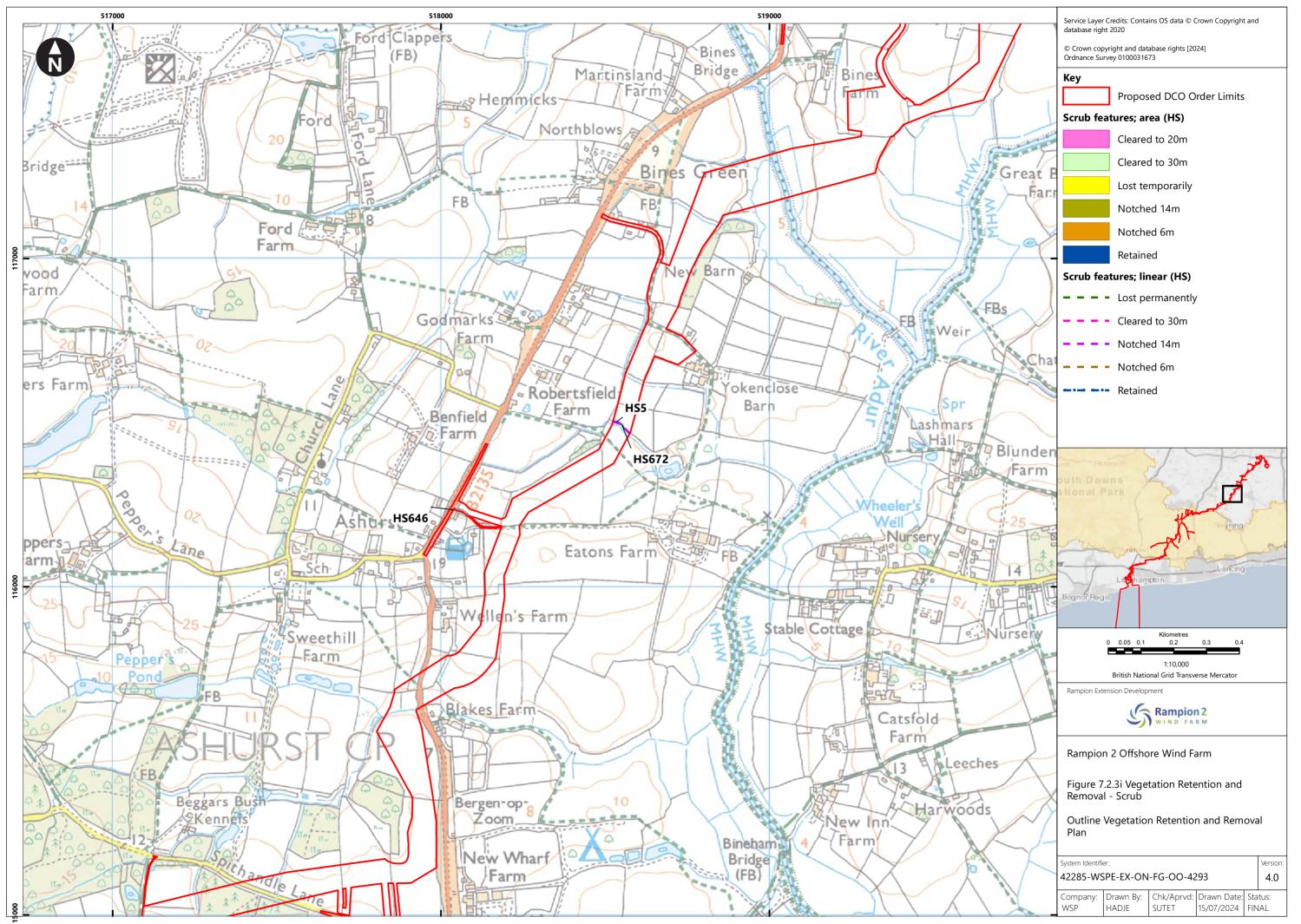




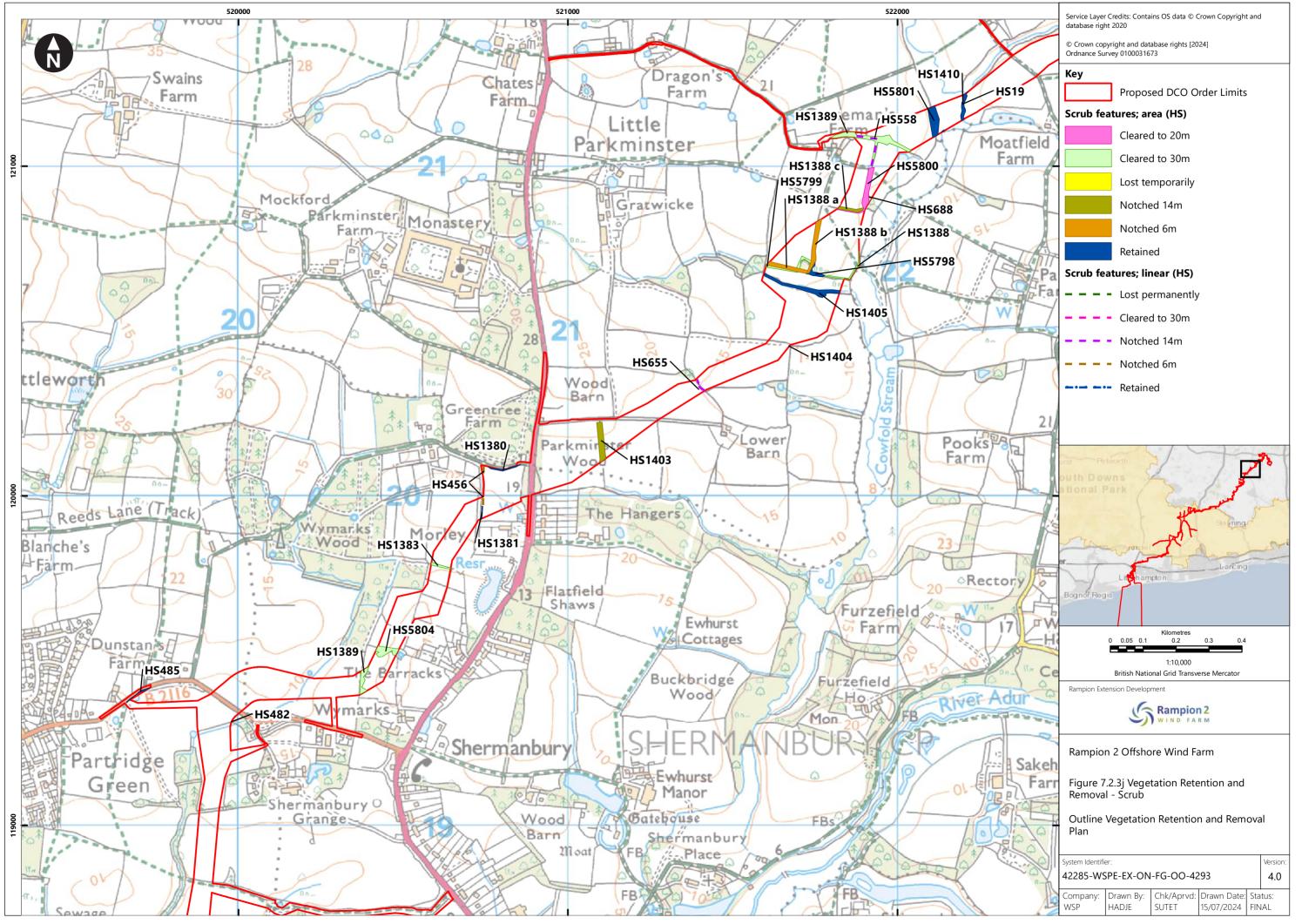


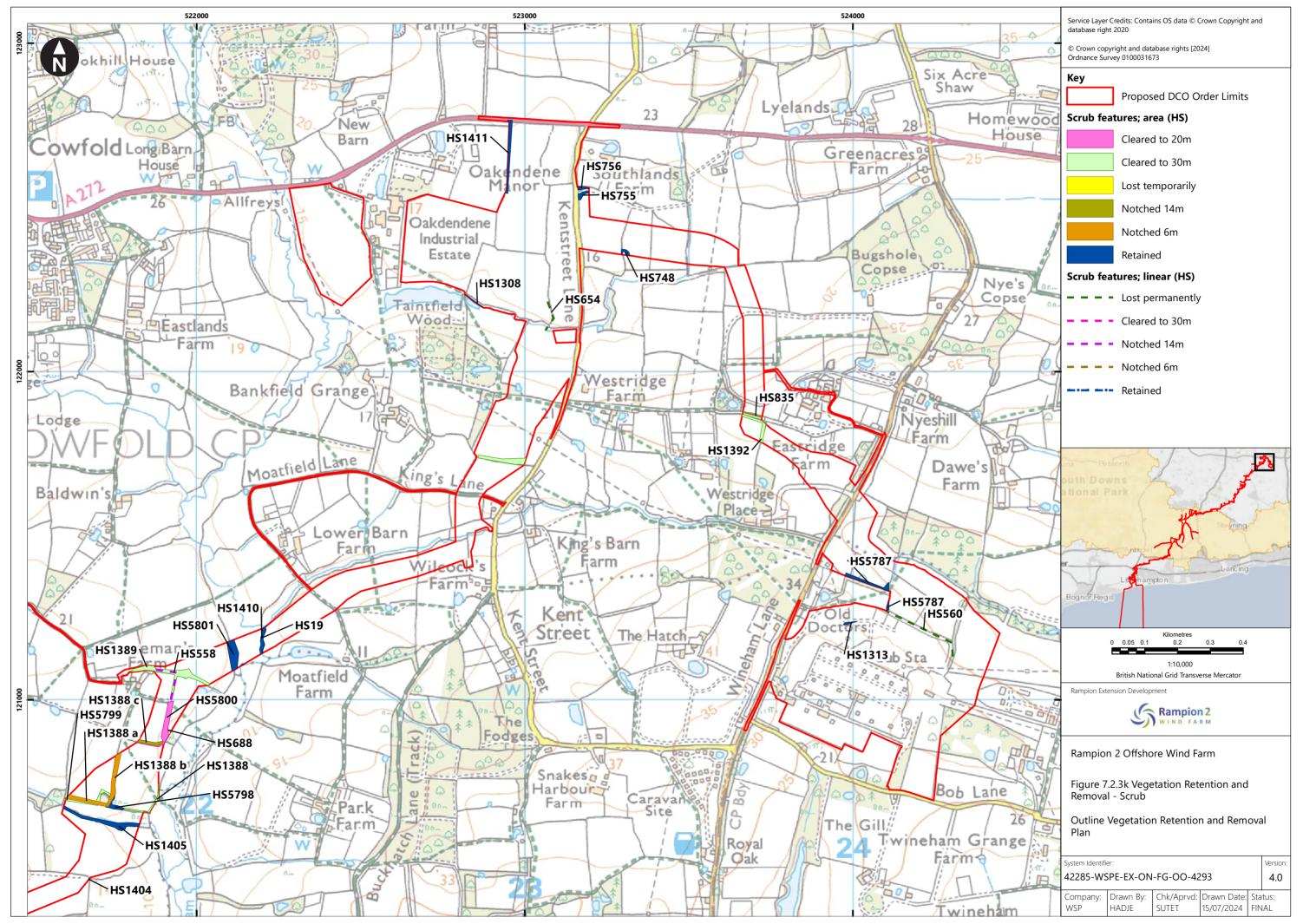


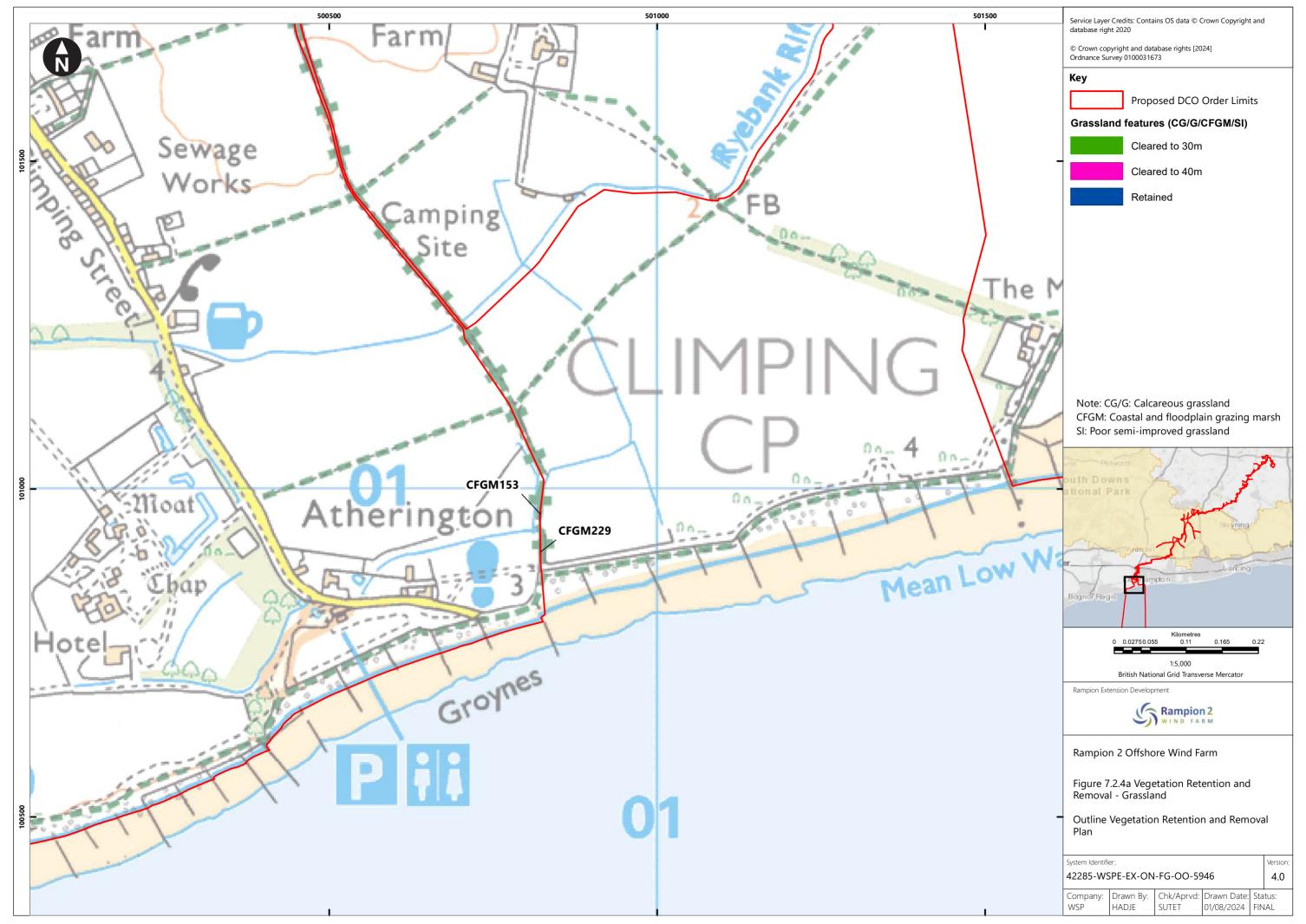


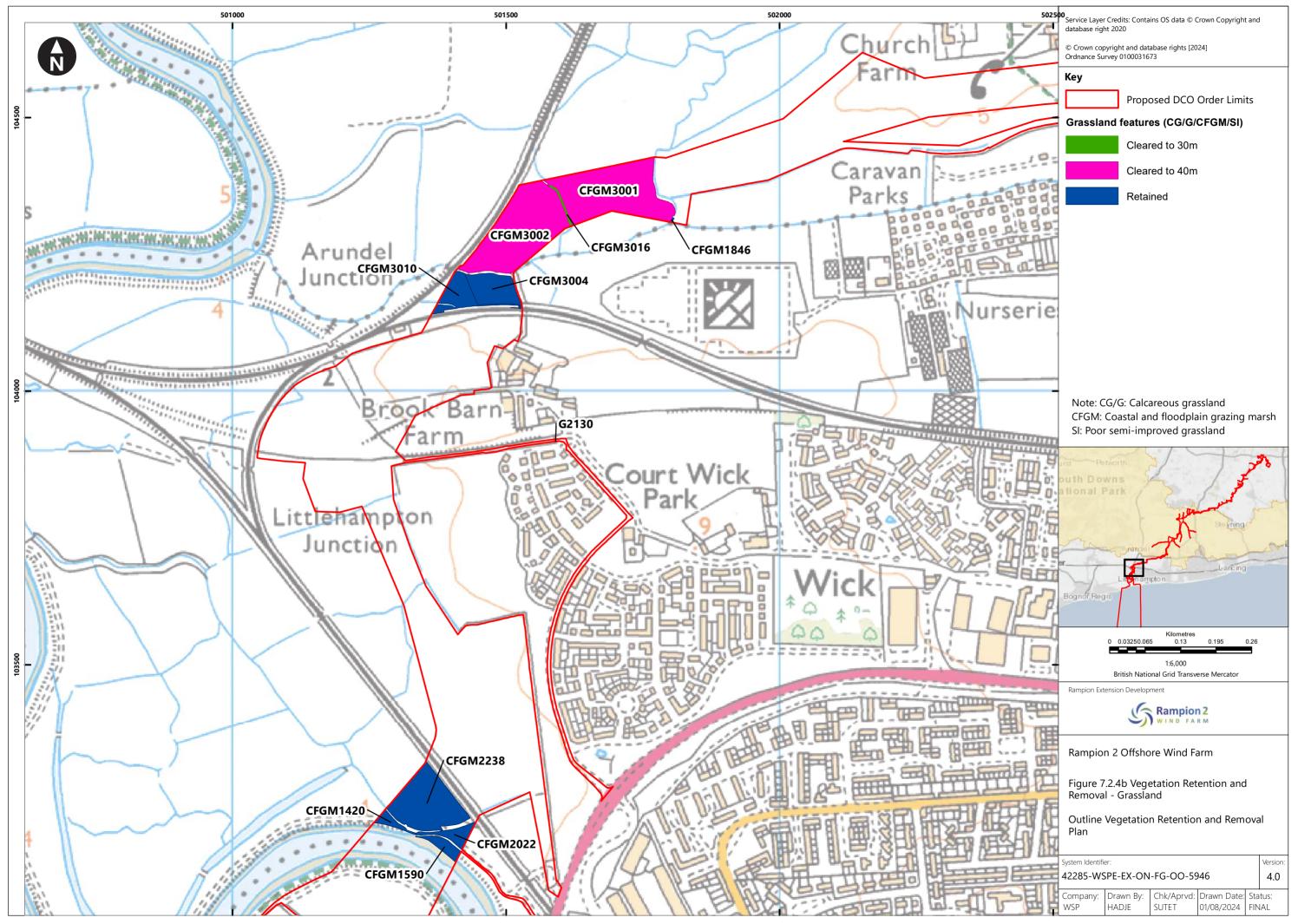


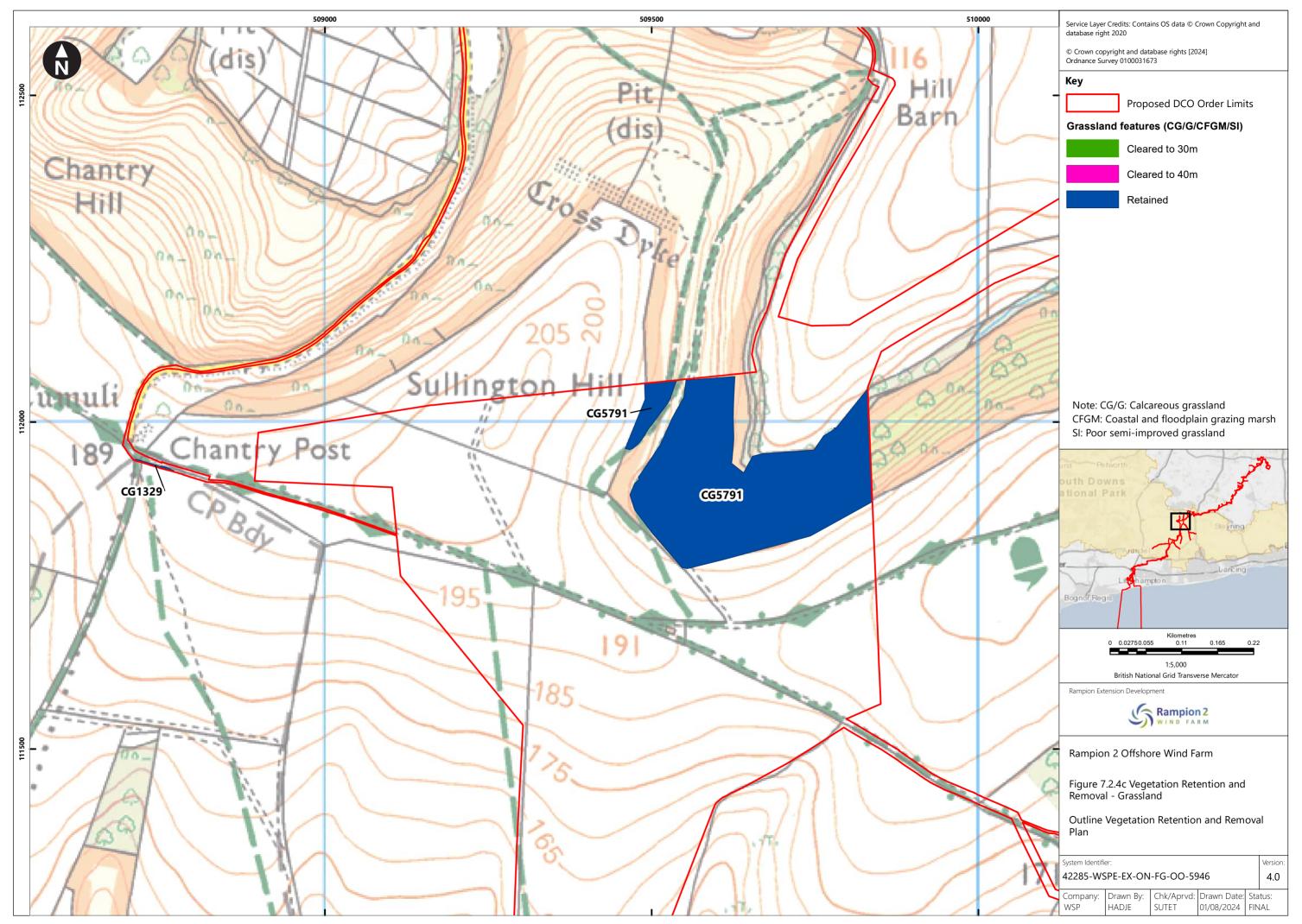
ISO A3 Landscape

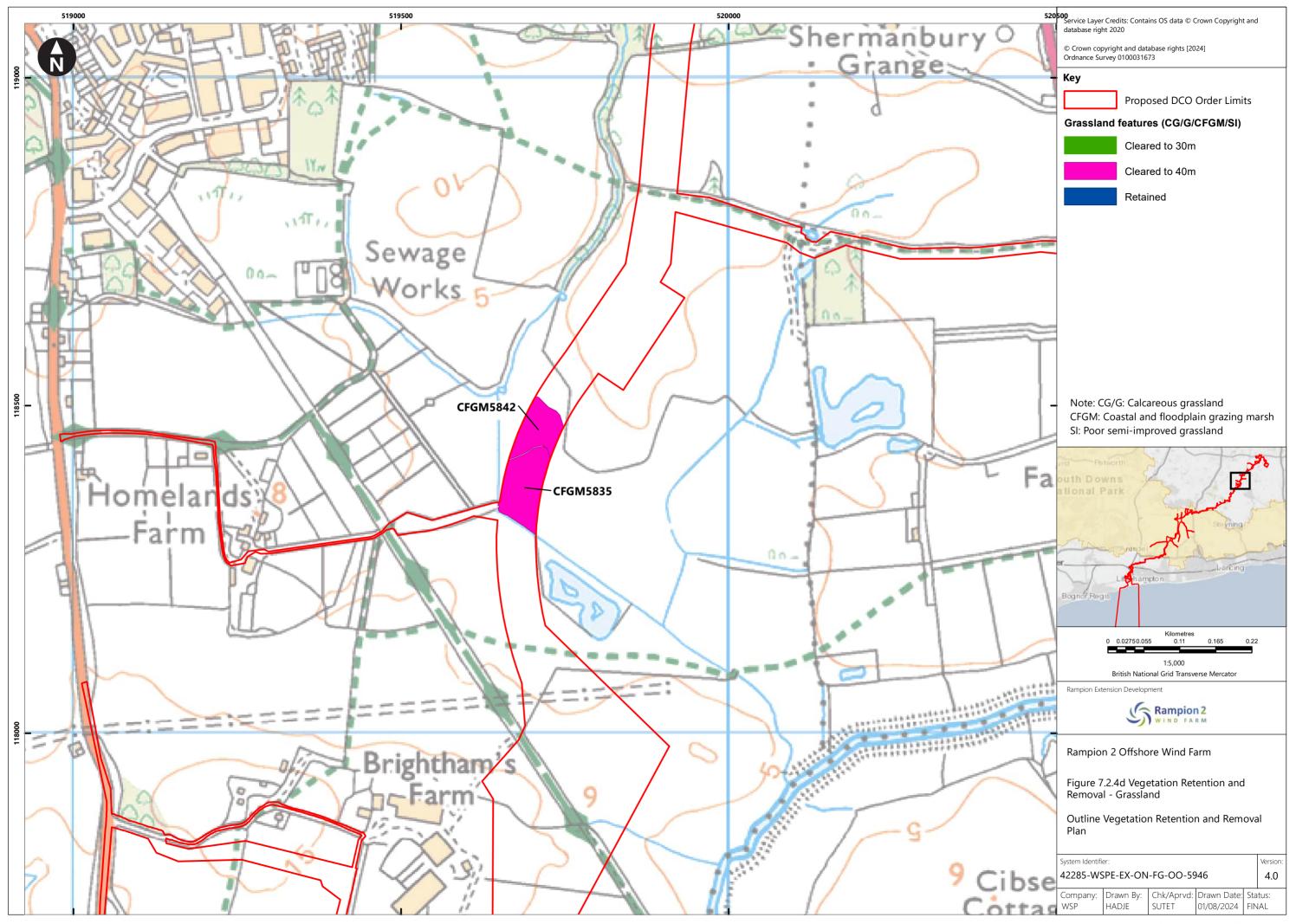


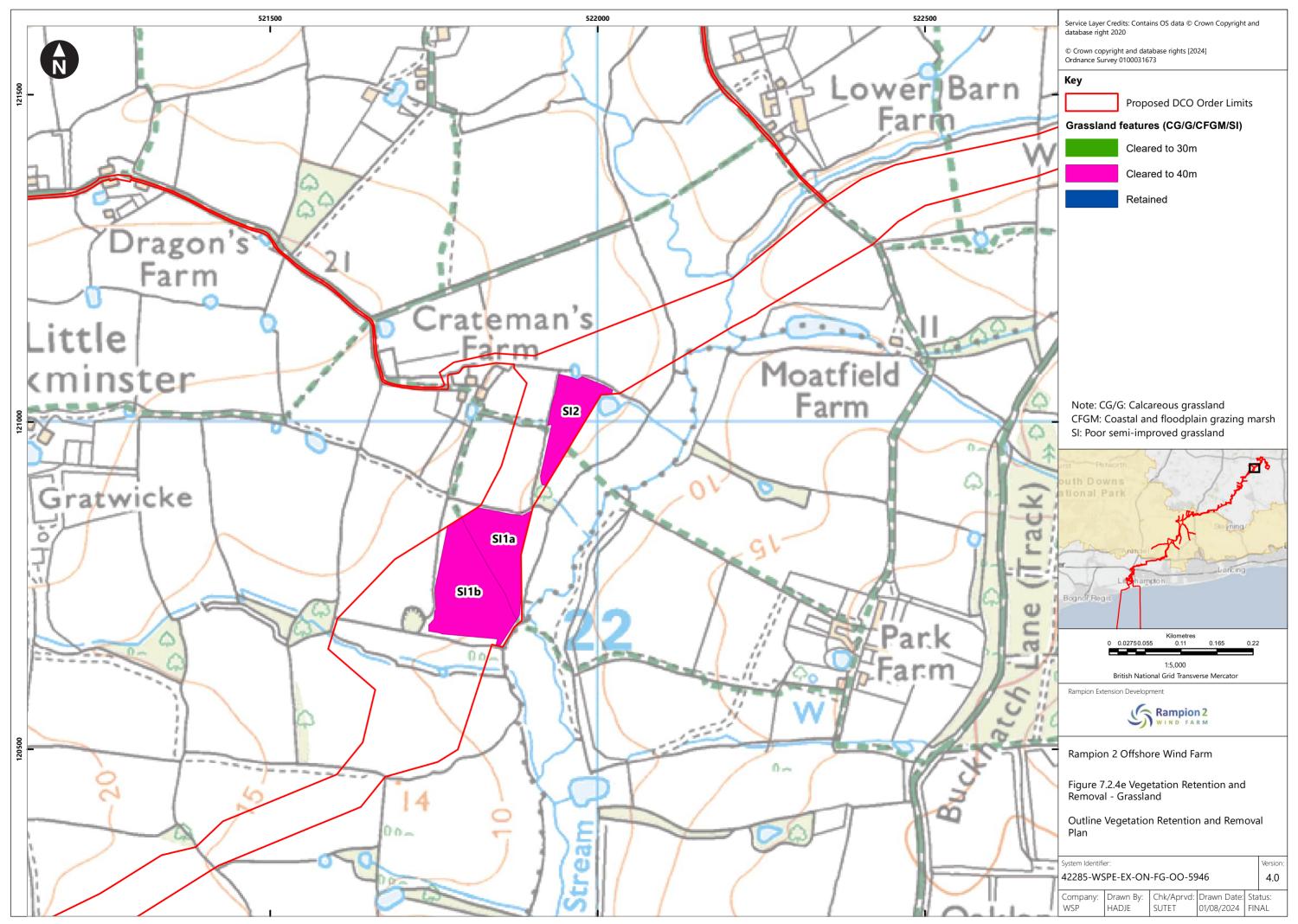


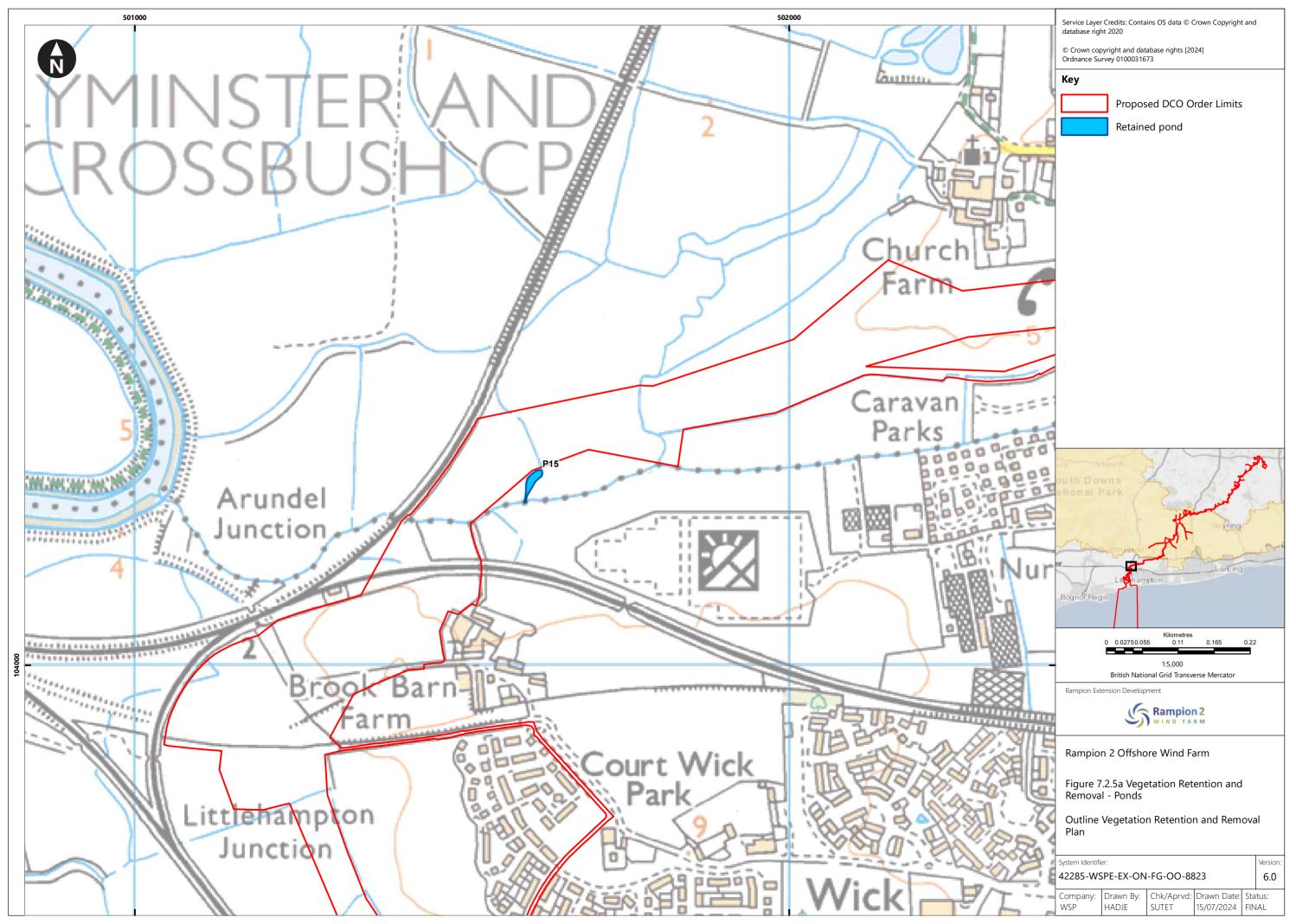


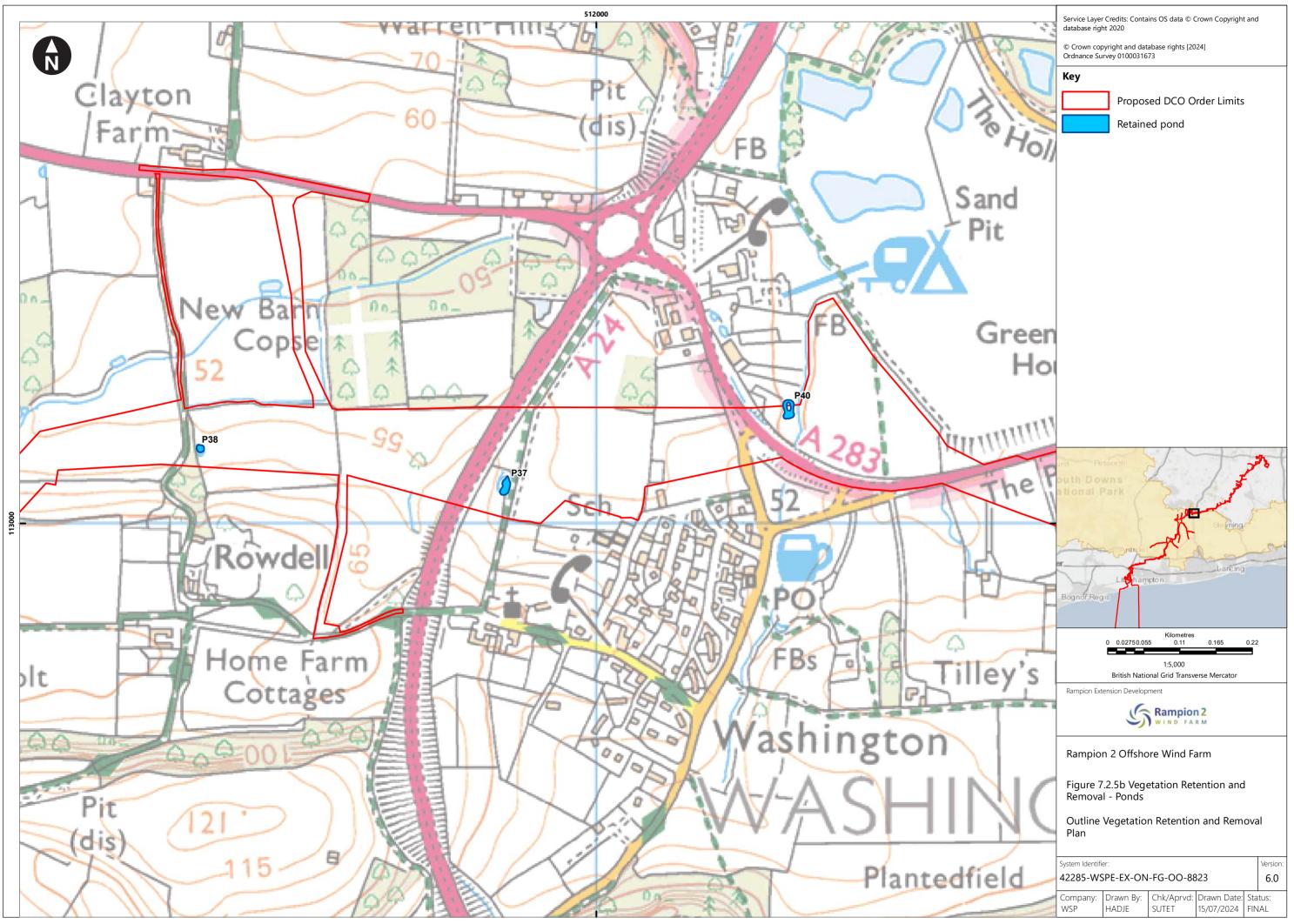


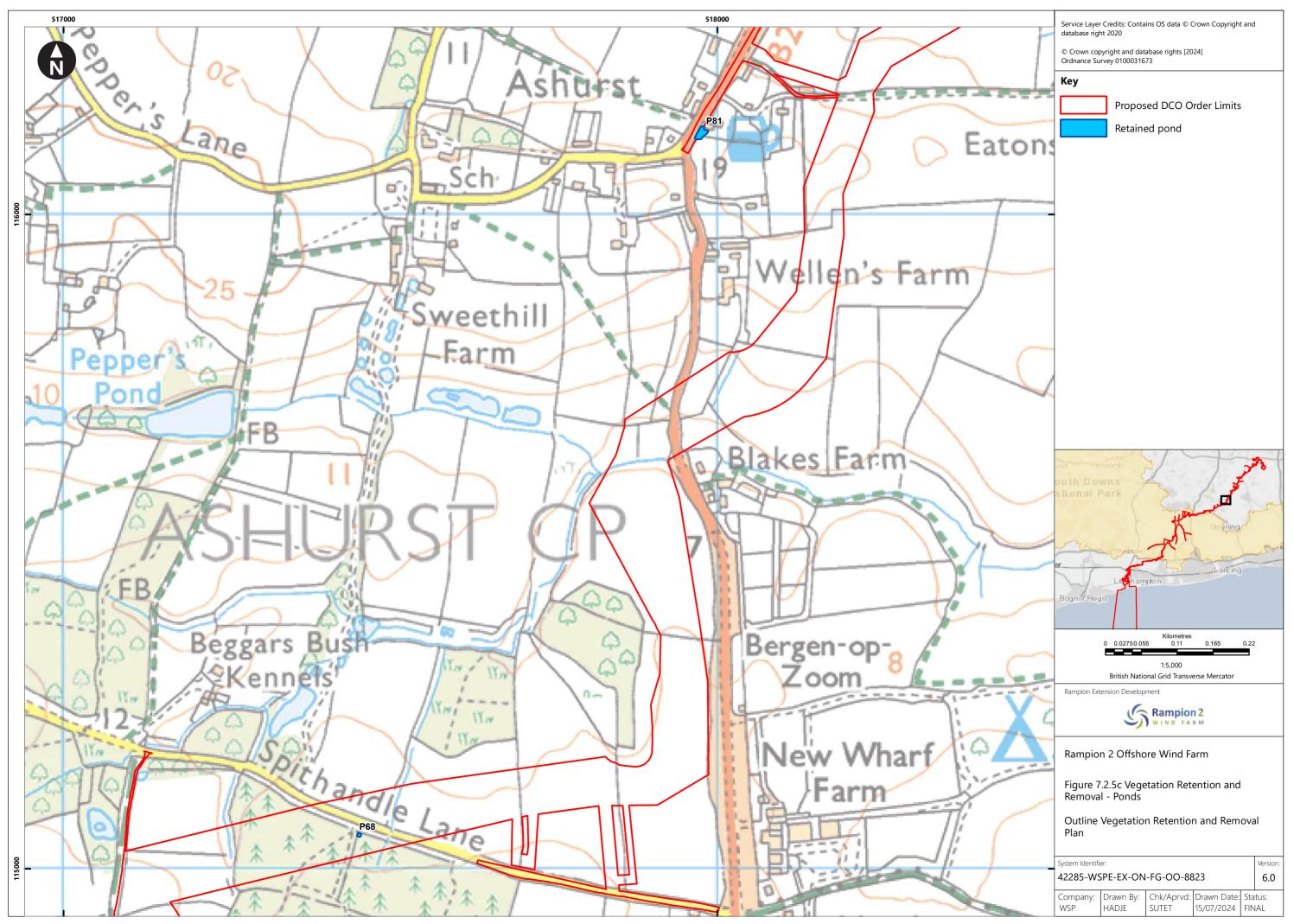


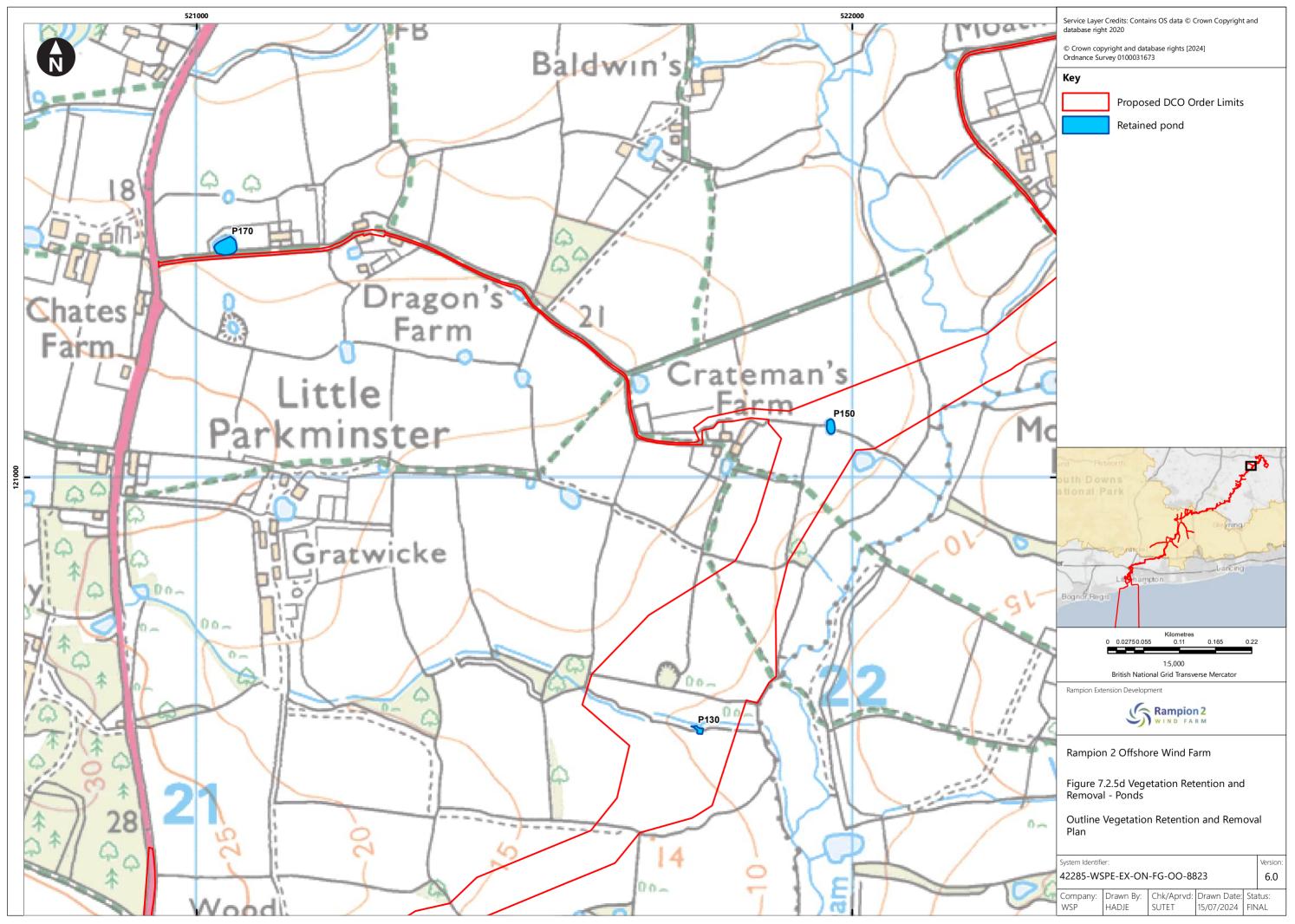


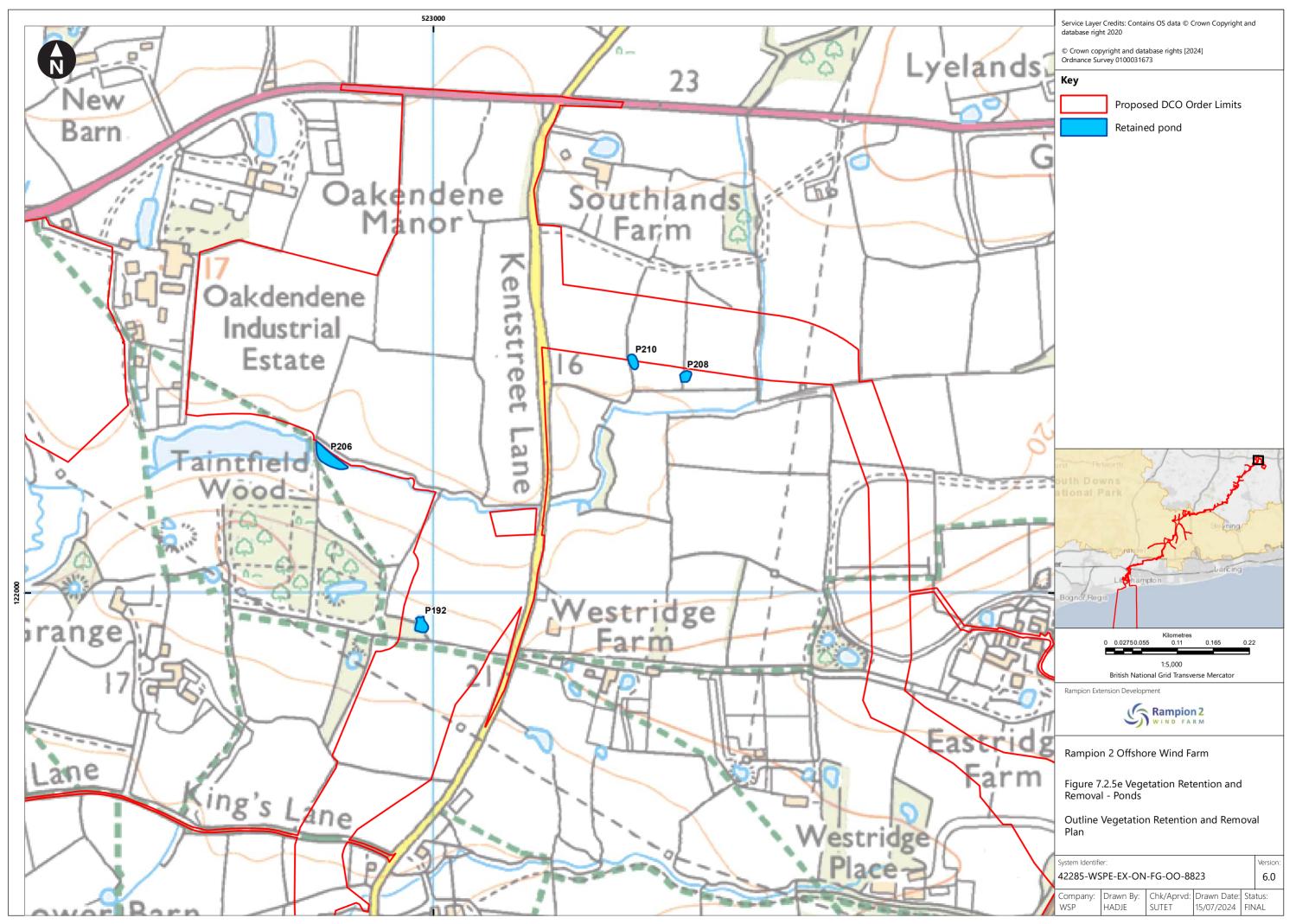


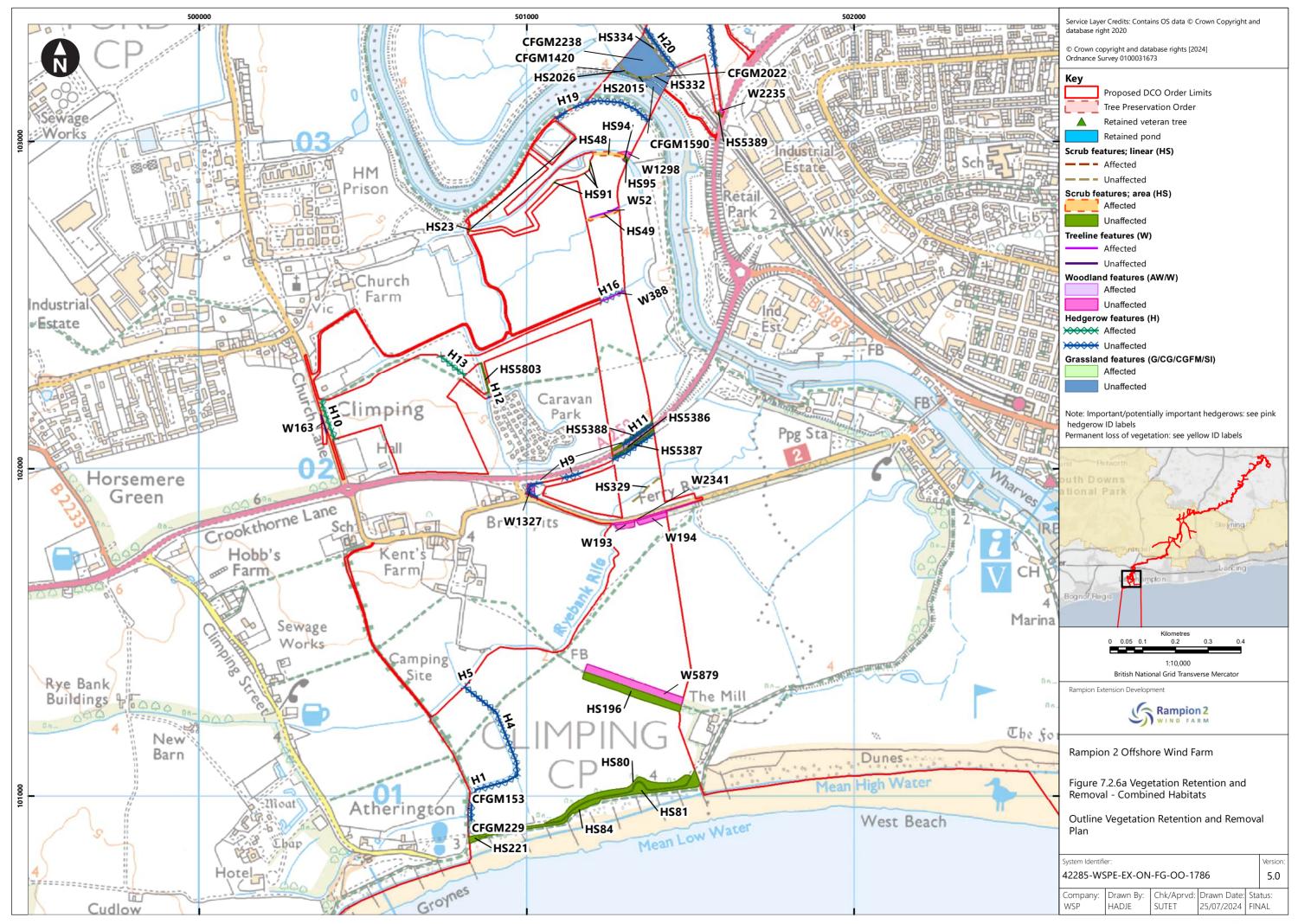


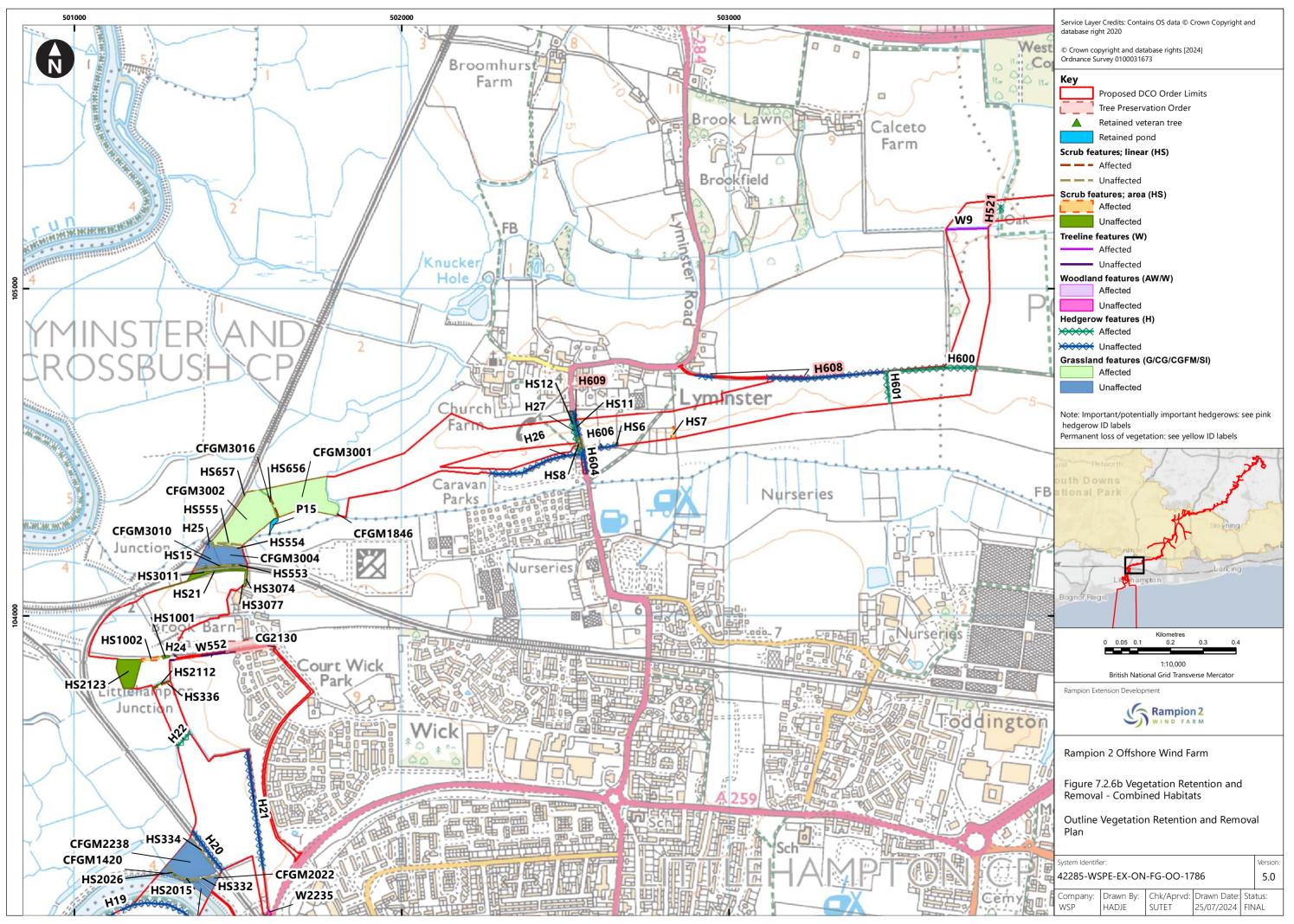


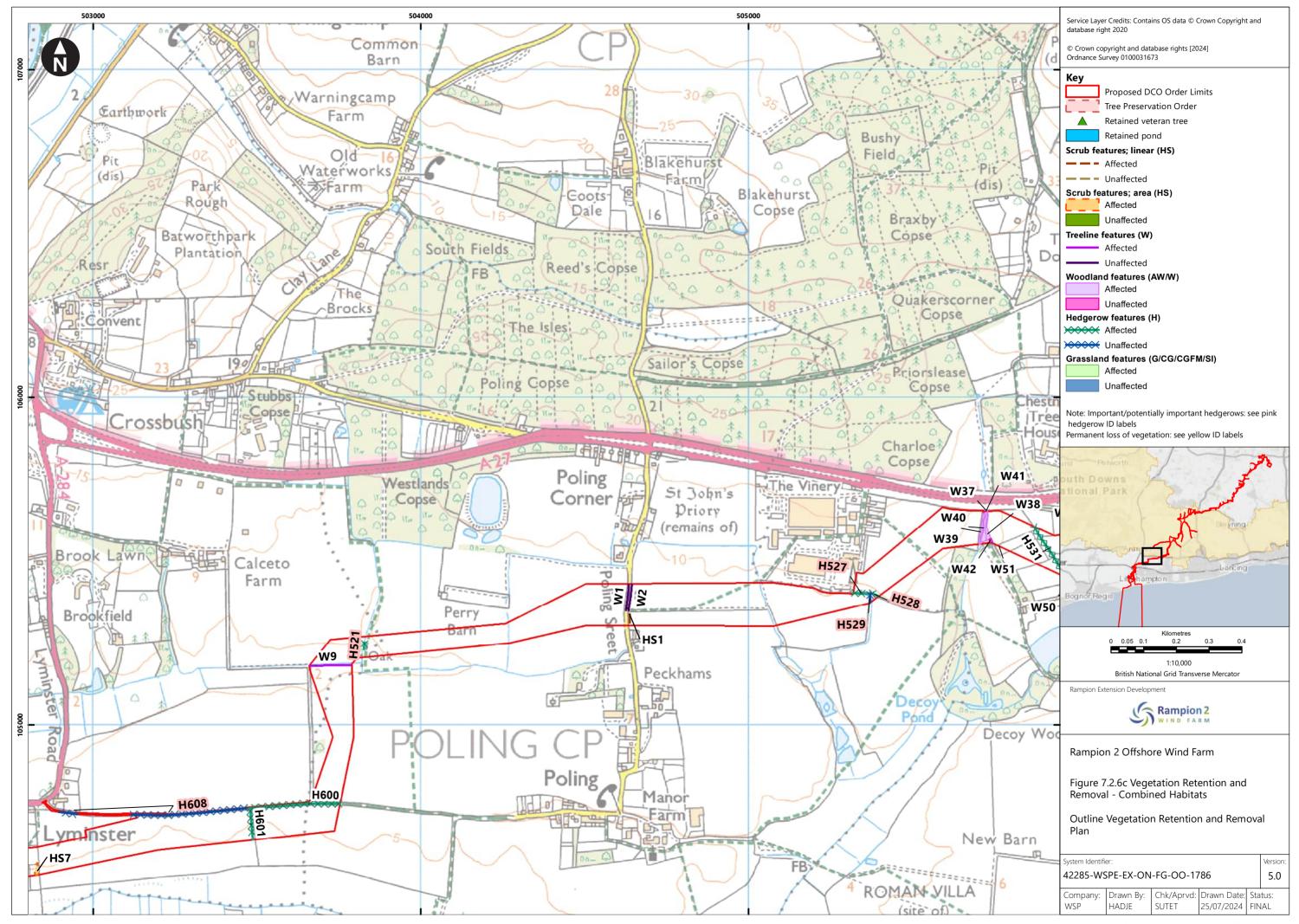


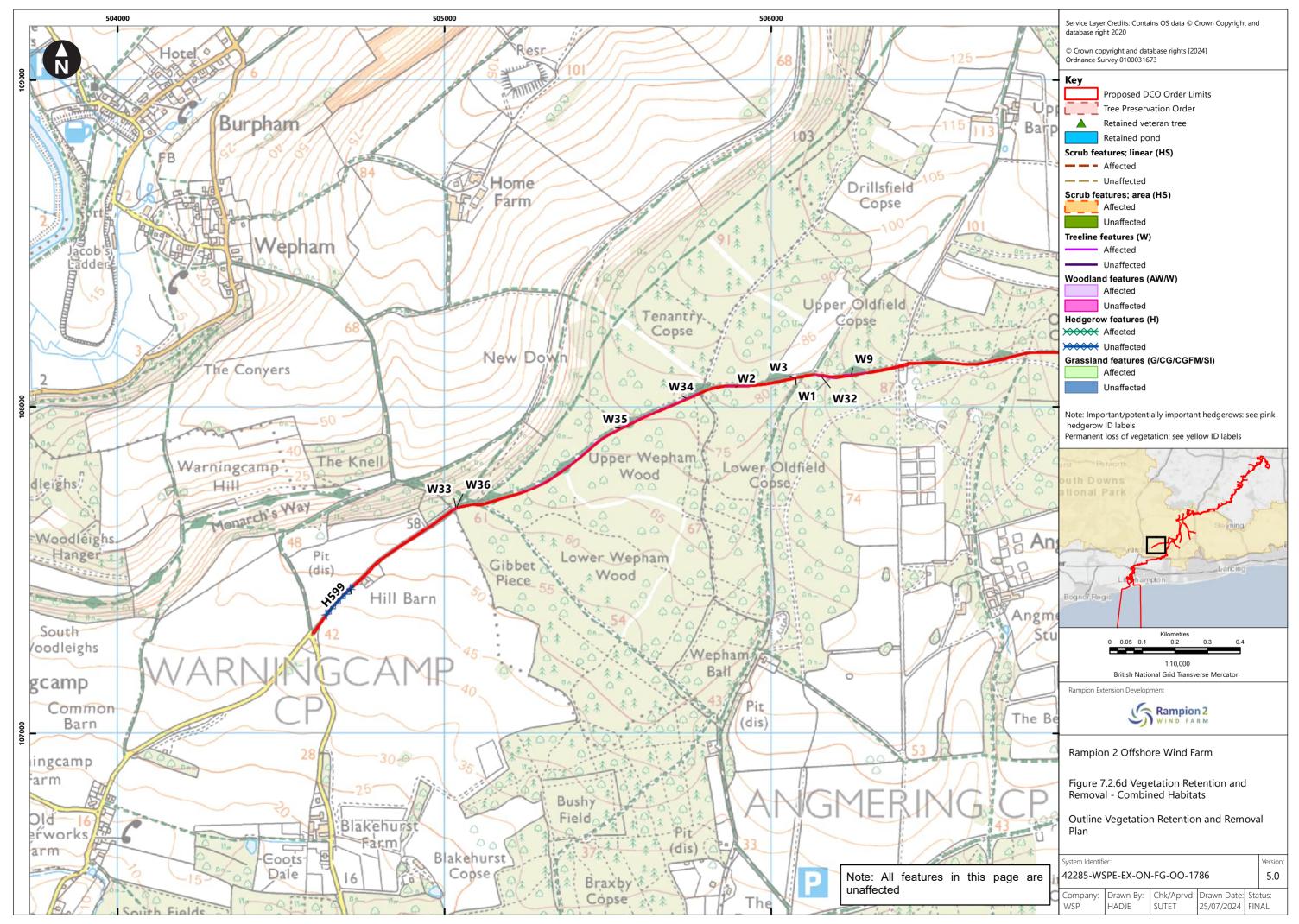


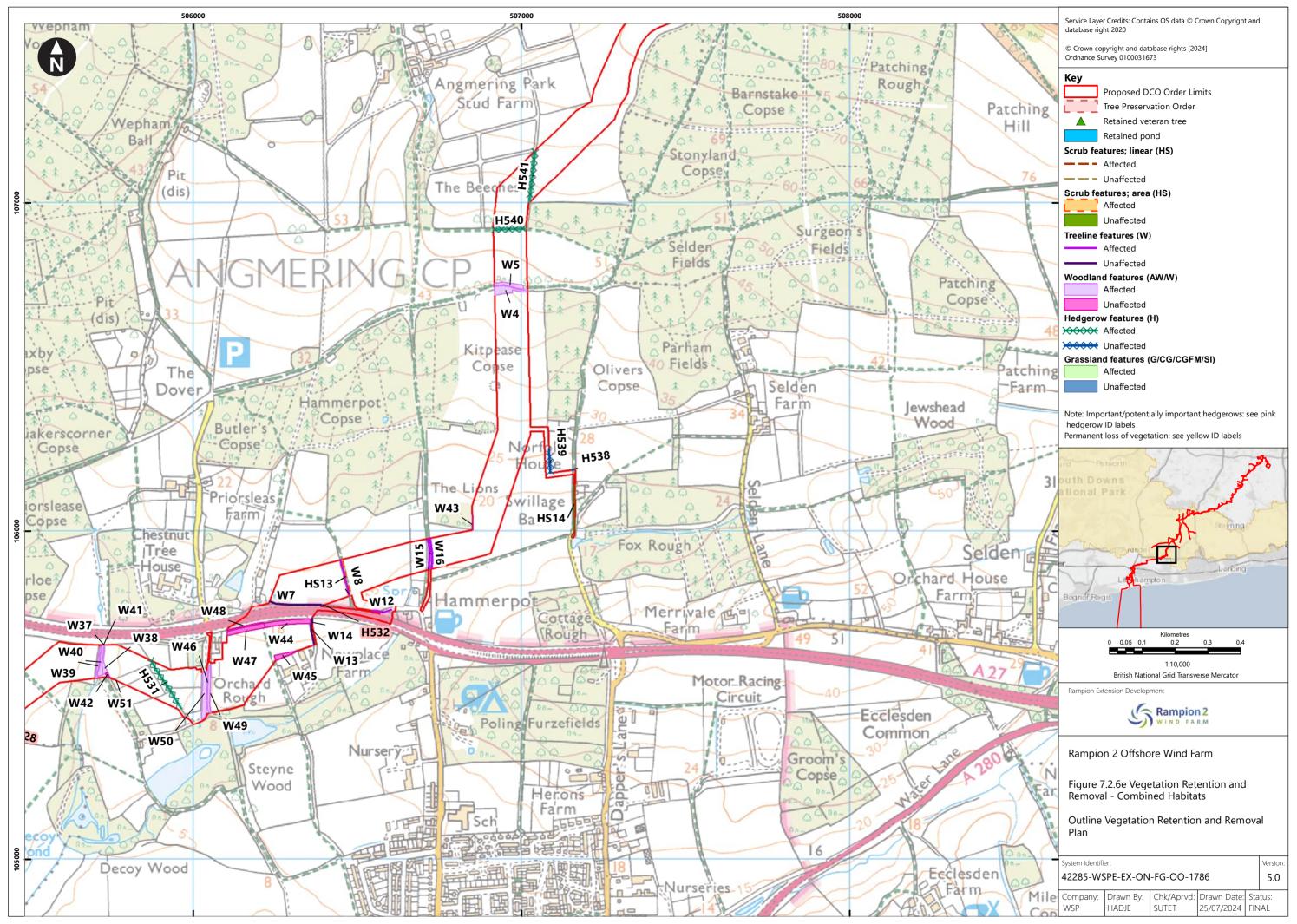


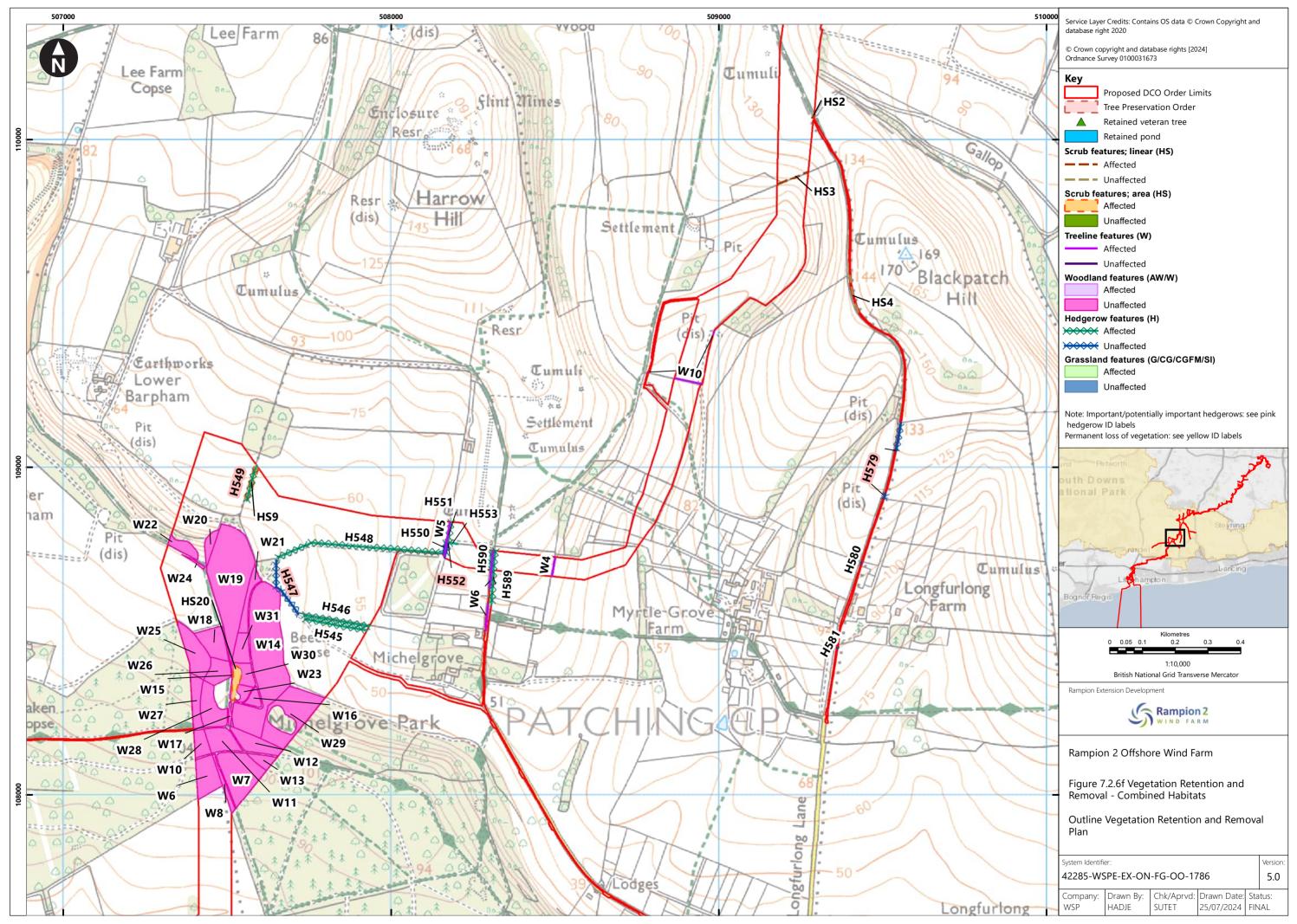


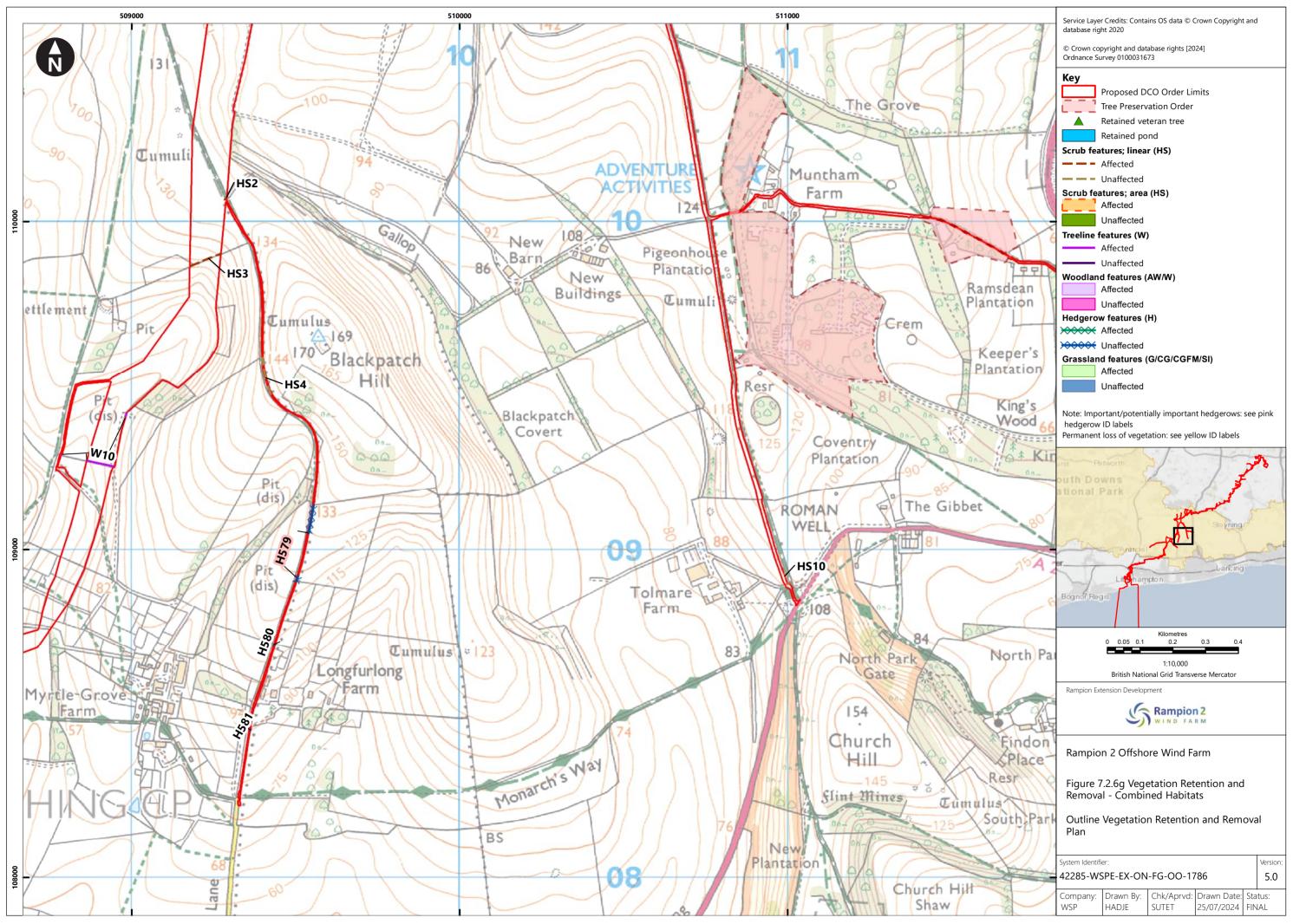


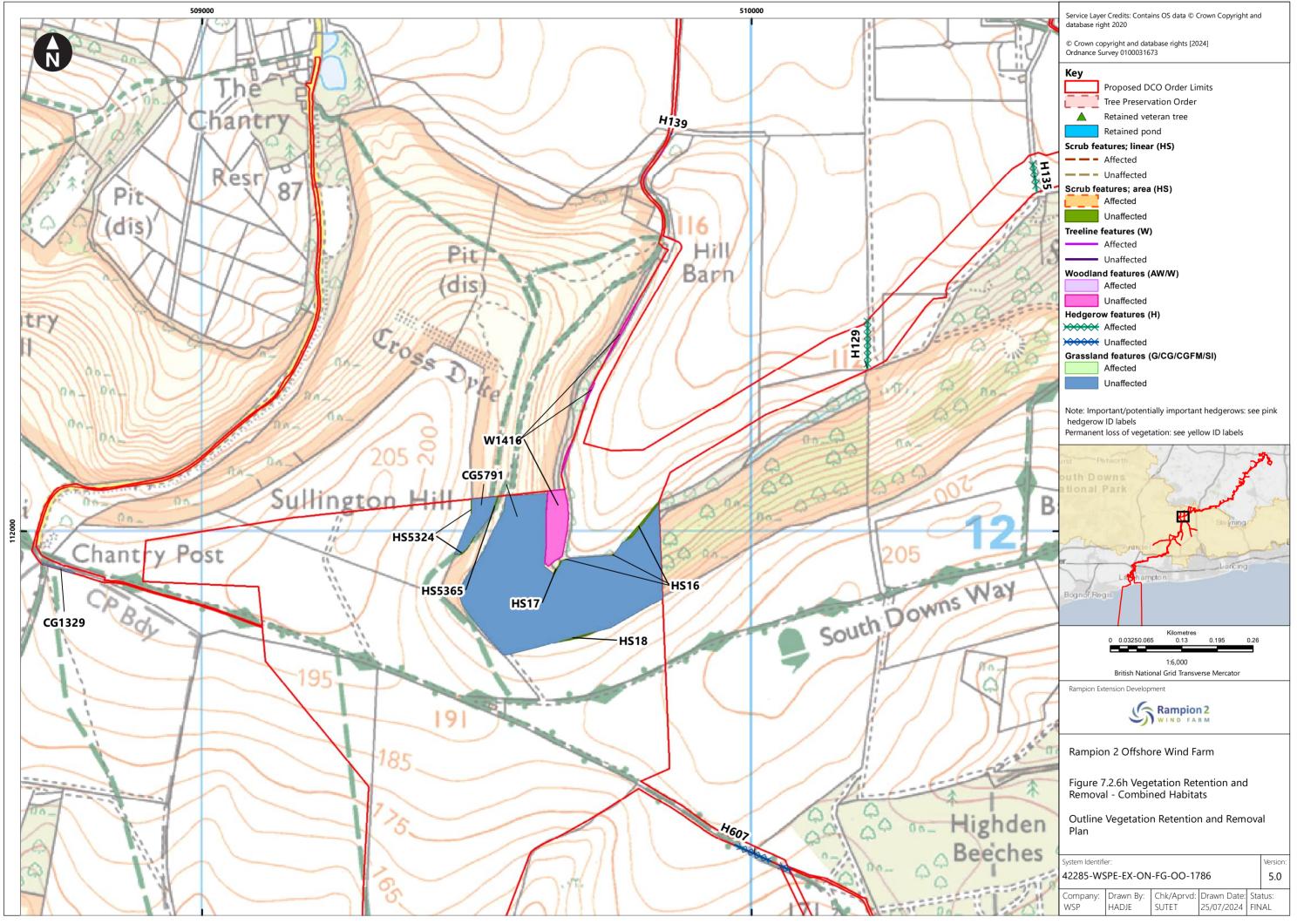




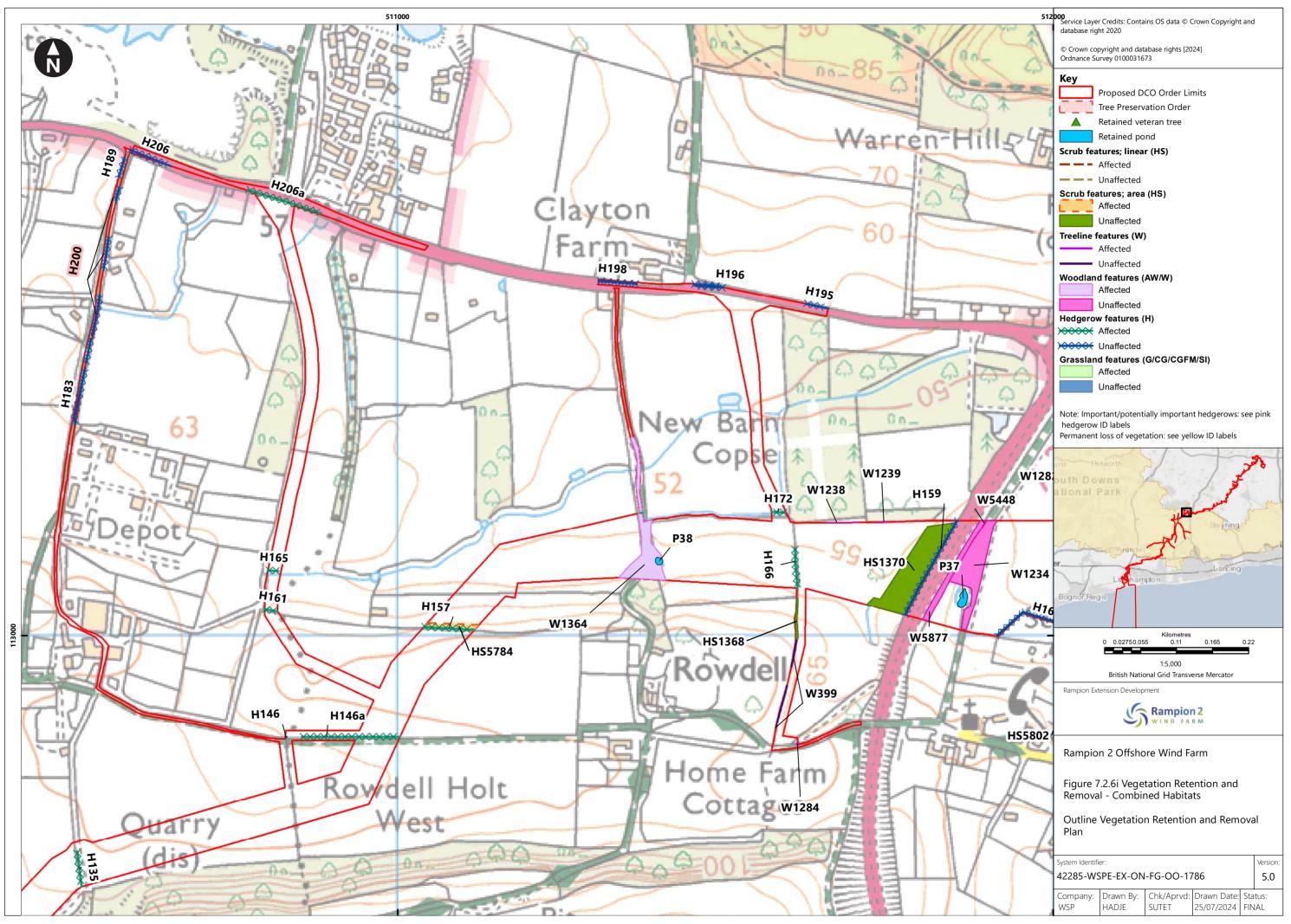


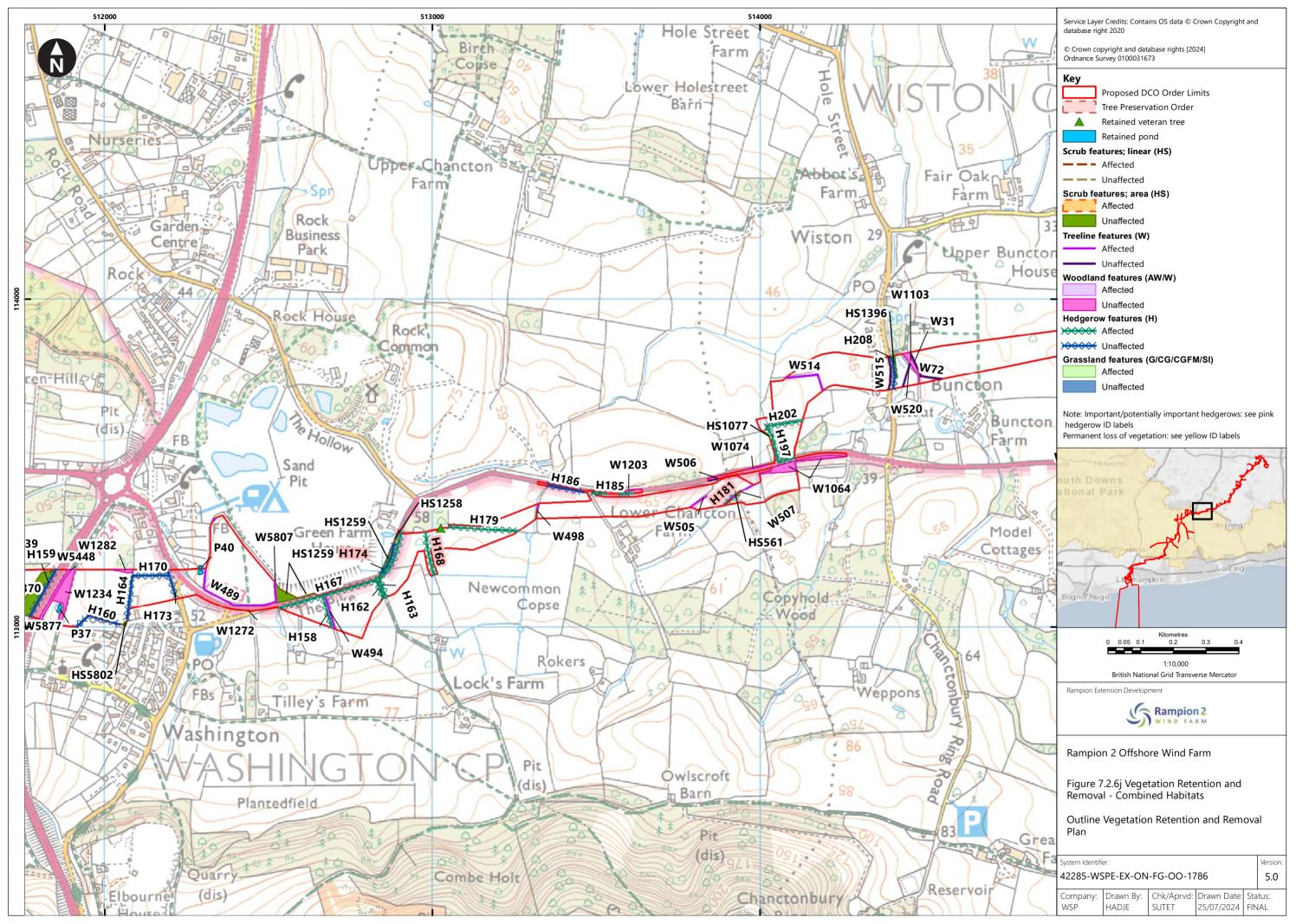


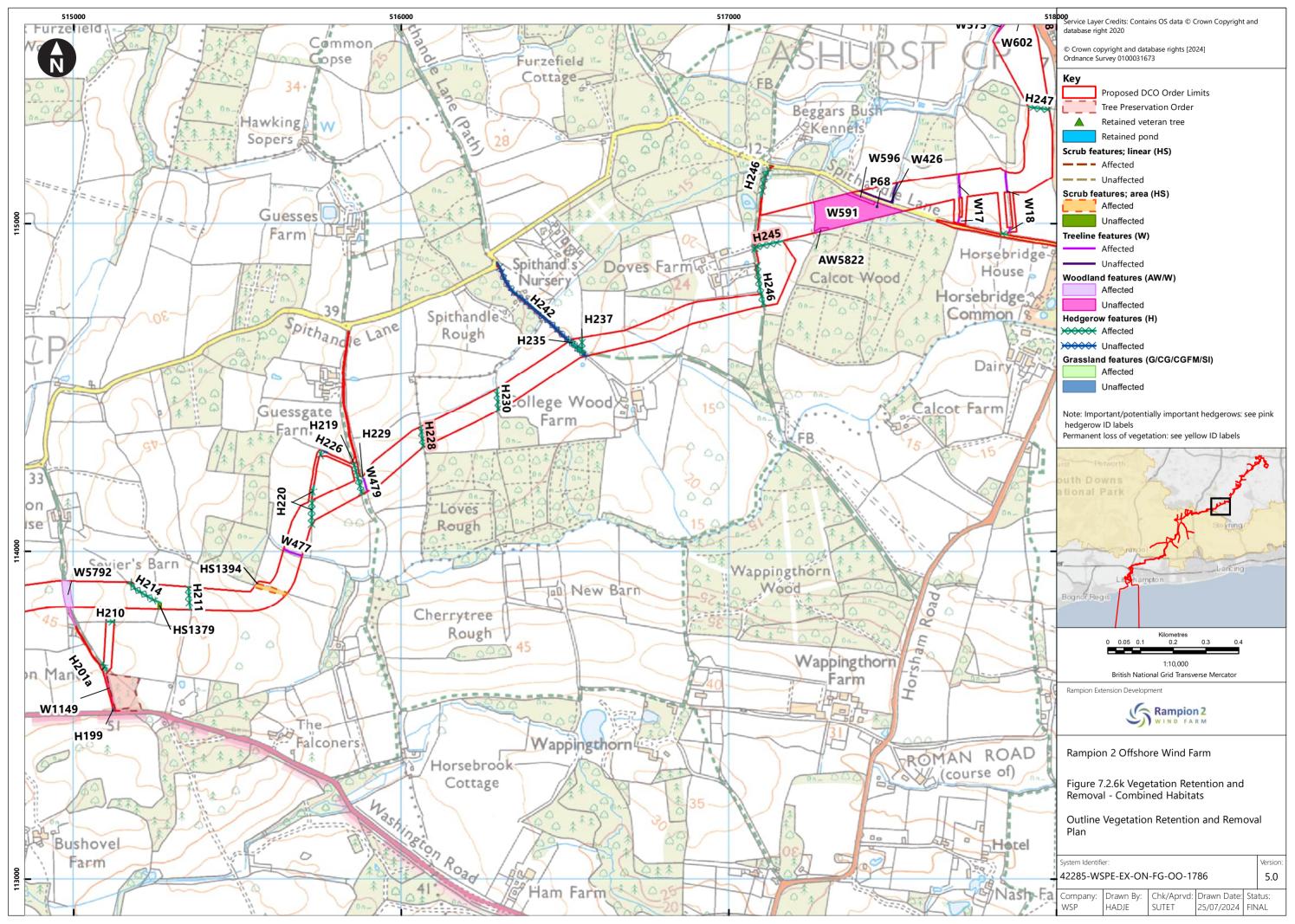


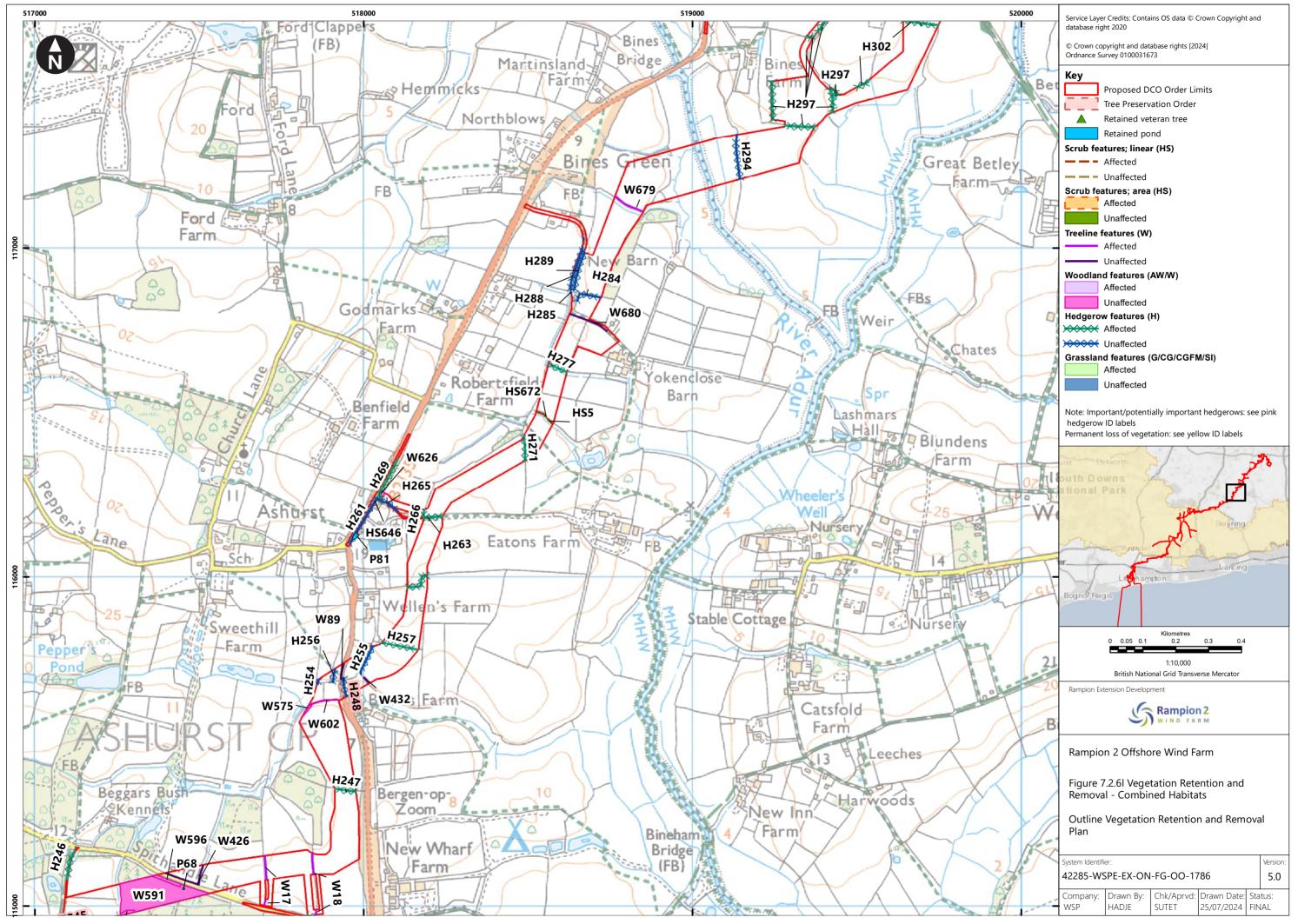


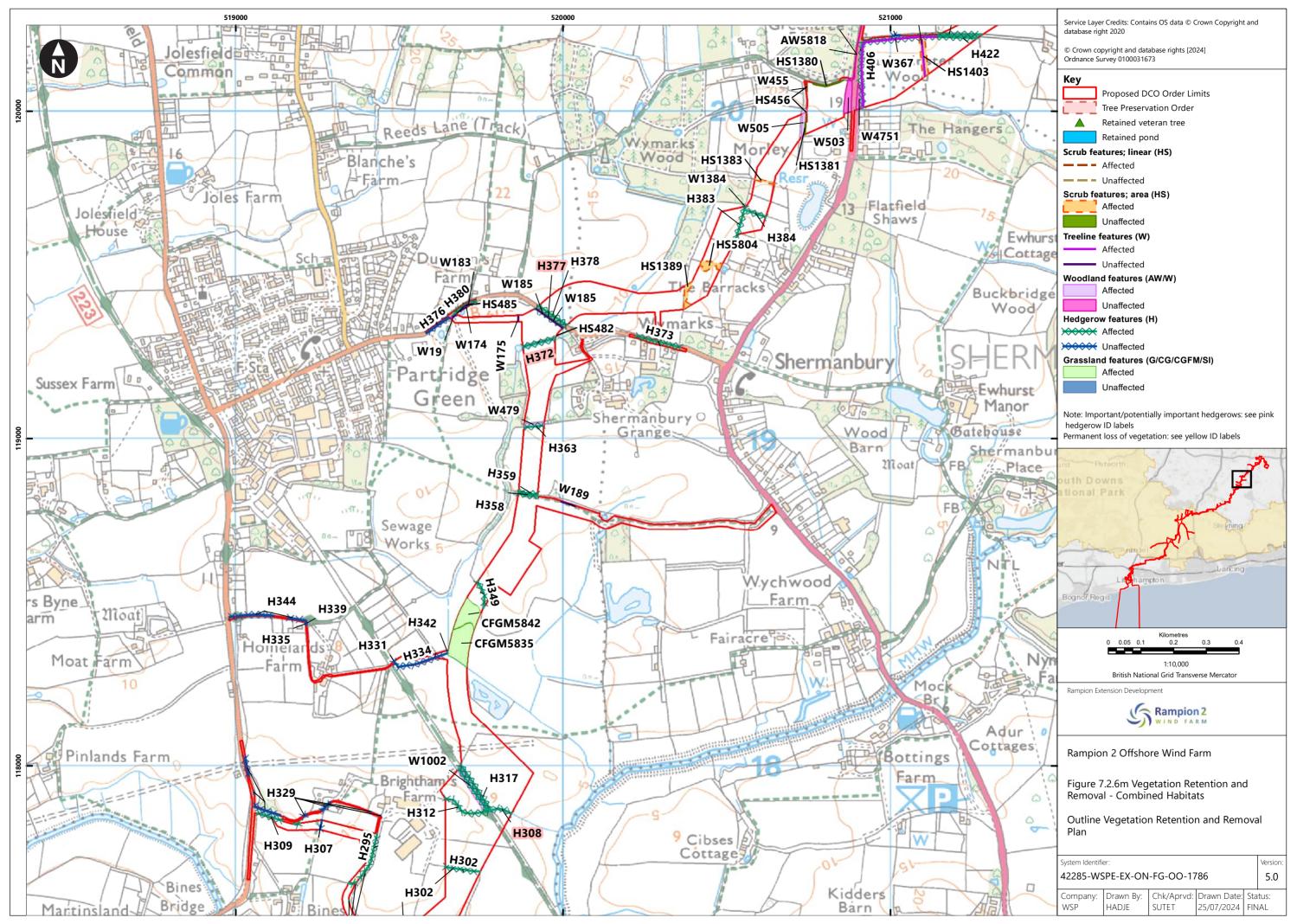
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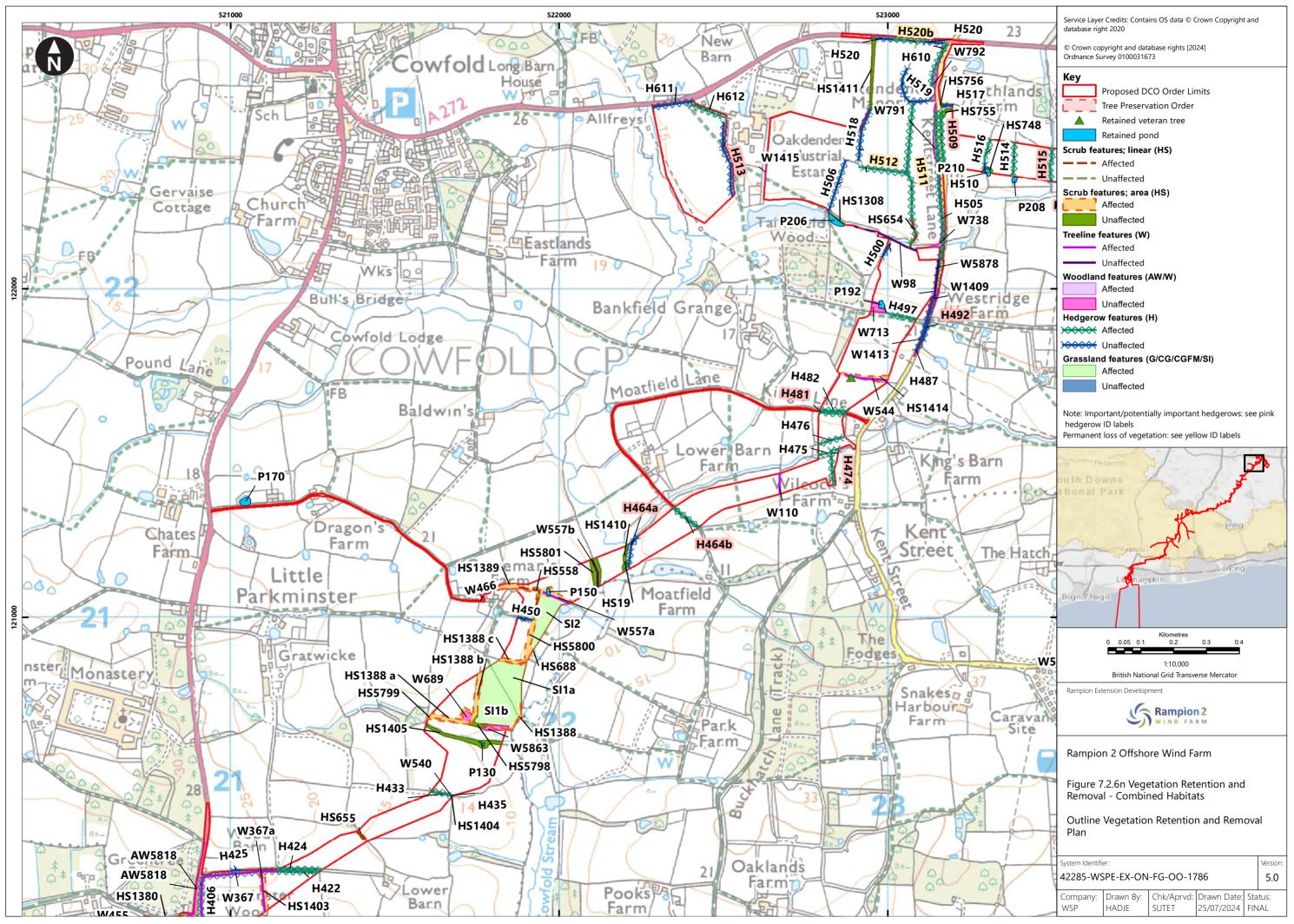












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