

Southampton to London Pipeline Project

Deadline 4

Sample Vegetation Retention and Removal Plans
Application Document: 8.66

Planning Inspectorate Reference Number: EN070005

Revision No. 1.0

January 2020





Contents

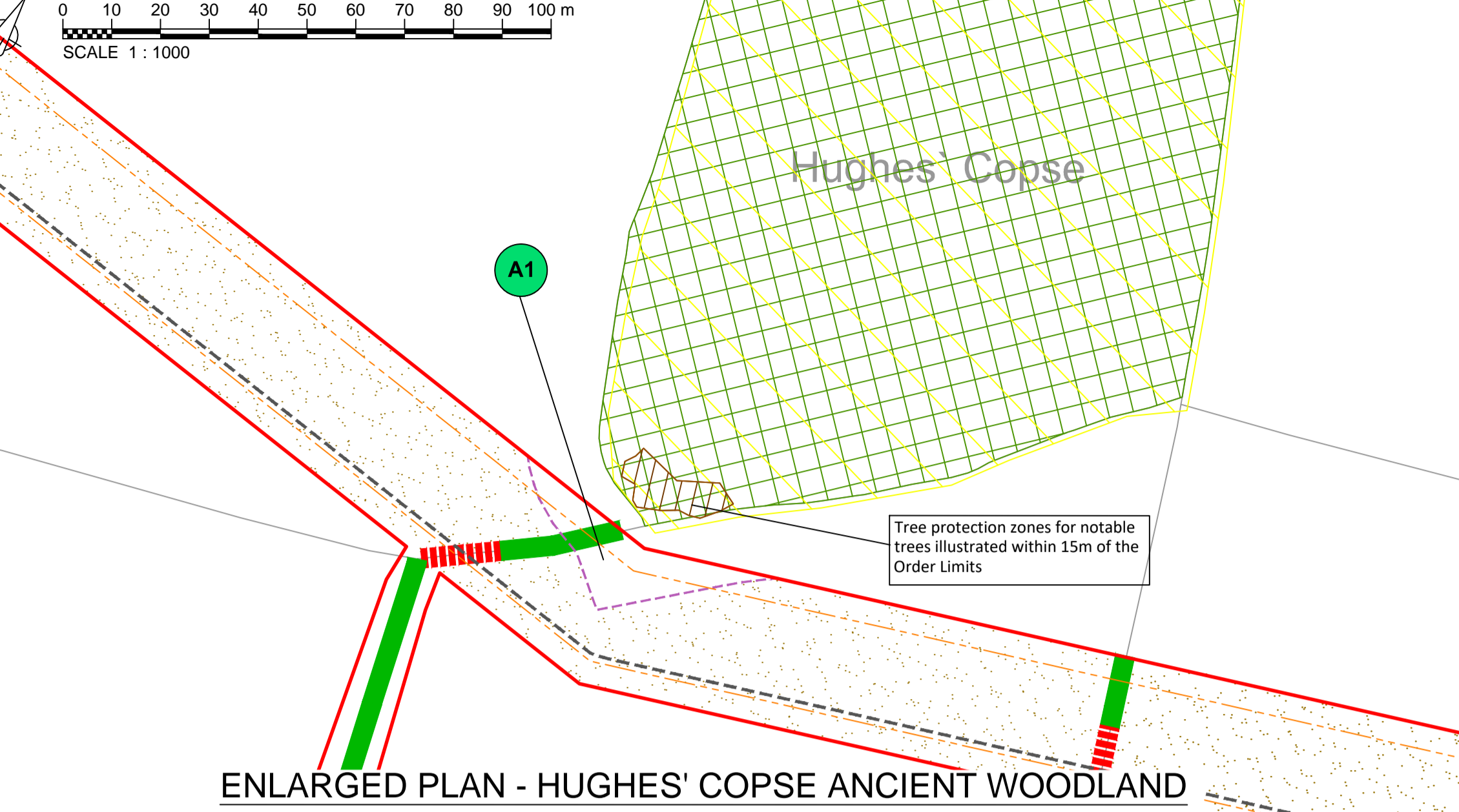
Sample Vegetation Retention and Removal Plans (Sheet 18)

Sample Vegetation Retention and Removal Plans (Sheet 30)

- NOTES**
- Pipeline centreline alignment is indicative only.
 - Narrow working (NW) width shown may move laterally within Order Limits. (Please refer to Annex A Code of Construction Practice).
 - The illustration of potential veteran trees and notable trees (where present) on these plans is based on project survey data up until 20/12/19.
 - Trees, woodland, scrub and grassland to be retained is based on the Phase 1 Habitat Survey as illustrated on Environmental Statement (ES) figure 7.4 (APP-061) and aerial photographs (Cyent, 2018).
 - Tree protection zones for notable trees are only illustrated within the Order Limits, except within the inset plans for Ancient Woodland and Veteran trees, where tree protection zones for notable trees within 15m of the Order Limits are also illustrated.
 - Hedgerows to be retained and removed are based on those listed in Annex A of ES Appendix 7.2 (APP-062).
 - Within areas of grassland, stripped topsoil would be temporarily stored within an approximately 4m to 5m wide margin, on the opposite side of the Order Limits to the indicative pipeline centreline.
 - Commitment G65: Where notable, TPO, Ancient Woodland and Veteran Trees would be retained within or immediately adjacent to the Order Limits, the trees and their tree protection zones would be protected where they extend within the Order Limits and are at risk. This would be by means of fencing or other measures.
 - Commitment G89: Appropriate techniques would be used for the removal, storage and transplantation of any vegetation which is to be reused, relocated or transplanted.
 - Commitment G95: The contractor(s) would consider and apply the relevant protective principles set out in the National Joint Utilities Group 'Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees' (NJUG Volume 4, 2007). This would be applied to trees within the Order Limits which would be preserved through the construction phase, and to trees outside of the Order Limits where such measures do not hinder or prevent the use of the relevant working width for construction.

- PROJECT COMMITMENTS**
- O1** Commitment to only utilise a 10m width when crossing through boundaries between fields where these include hedgerows, trees or watercourses.
 - G86** Works to notable, TPO and Veteran Trees, where at risk of damage, would be supervised by the ECoW (Environmental Clerk of Works) and supported by an experienced arboriculturalist.
 - G131** River bank and in-channel vegetation would be retained where not directly affected by installation works.

- ANCIENT WOODLAND MITIGATION HIERARCHY**
- A1** A minimum buffer width of 15m shall be maintained between the pipeline trench and the Ancient Woodland Inventory boundary. Appropriate and readily visible demarcation shall be maintained to define the 15m buffer where this extends within the Order Limits and to control access during construction. Installation of the pipeline will be kept outside of this 15m buffer where not practicable to exclude all potentially compacting activities within 15m of Ancient Woodland boundaries, appropriate ground protection measures shall be put in place within the 15m buffer to mitigate the potential effects on trees.
 - A2** A minimum buffer equivalent to the extent of the tree protection zones (TPZ) shall be maintained between the pipeline trench and Ancient Woodland boundary. Appropriate and readily visible demarcation shall be maintained to define the TPZ buffer where this extends within the Order Limits and to control access during construction. Installation of the pipeline will be kept outside of this TPZ buffer. Where not practicable to exclude all potentially compacting activities within the TPZ buffer, appropriate ground protection measures shall be put in place to mitigate the potential effects on trees.
 - A3** Where not practicable to exclude the pipeline trench from within the TPZ of Ancient Woodland boundaries, site-specific measures that would be employed to mitigate the effects on the TPZ, for example, hand digging / vacuum excavation under arboricultural supervision. These would be recorded in a method statement.



- LEGEND**
- ORDER LIMITS
 - LIMITS OF DEVIATION
 - INDICATIVE PIPELINE CENTRELINE

- EXISTING CONTEXT**
- SITE OF IMPORTANCE FOR NATURE CONSERVATION (SINC)
 - TREE PROTECTION ZONE OF NOTABLE TREES, ANCIENT WOODLAND AND VETERAN TREES (WITHIN ORDER LIMITS, EXCEPT FOR INSETS)
 - 15M BUFFER FROM ANCIENT WOODLAND DESIGNATION BOUNDARY/VETERAN TREE STEMS
 - PUBLIC RIGHTS OF WAY (PROW)

- EXISTING FEATURES TO BE RETAINED**
- ANCIENT WOODLAND TO BE PROTECTED
 - TREES AND WOODLAND TO BE RETAINED - SEE NOTE 4
 - HEDGEROWS TO BE RETAINED - SEE NOTE 6
 - IMPROVED GRASSLAND PASTURE TO BE RETAINED

- EXISTING FEATURES TO BE REMOVED**
- TREES AND WOODLAND TO BE REMOVED
 - HEDGEROWS TO BE REMOVED - SEE NOTE 6
 - AREA TO BE TOPSOIL STRIPPED - SEE NOTE 7

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
P01.3	29/01/20	DRAFT FOR DCO SUBMISSION				

JACOBS
 1180 Eskdale Road, Winnersh, Wokingham, RG41 5TU
 Tel: +44(0)118 946 7000 Fax: +44(0)118 946 7001
 www.jacobs.com

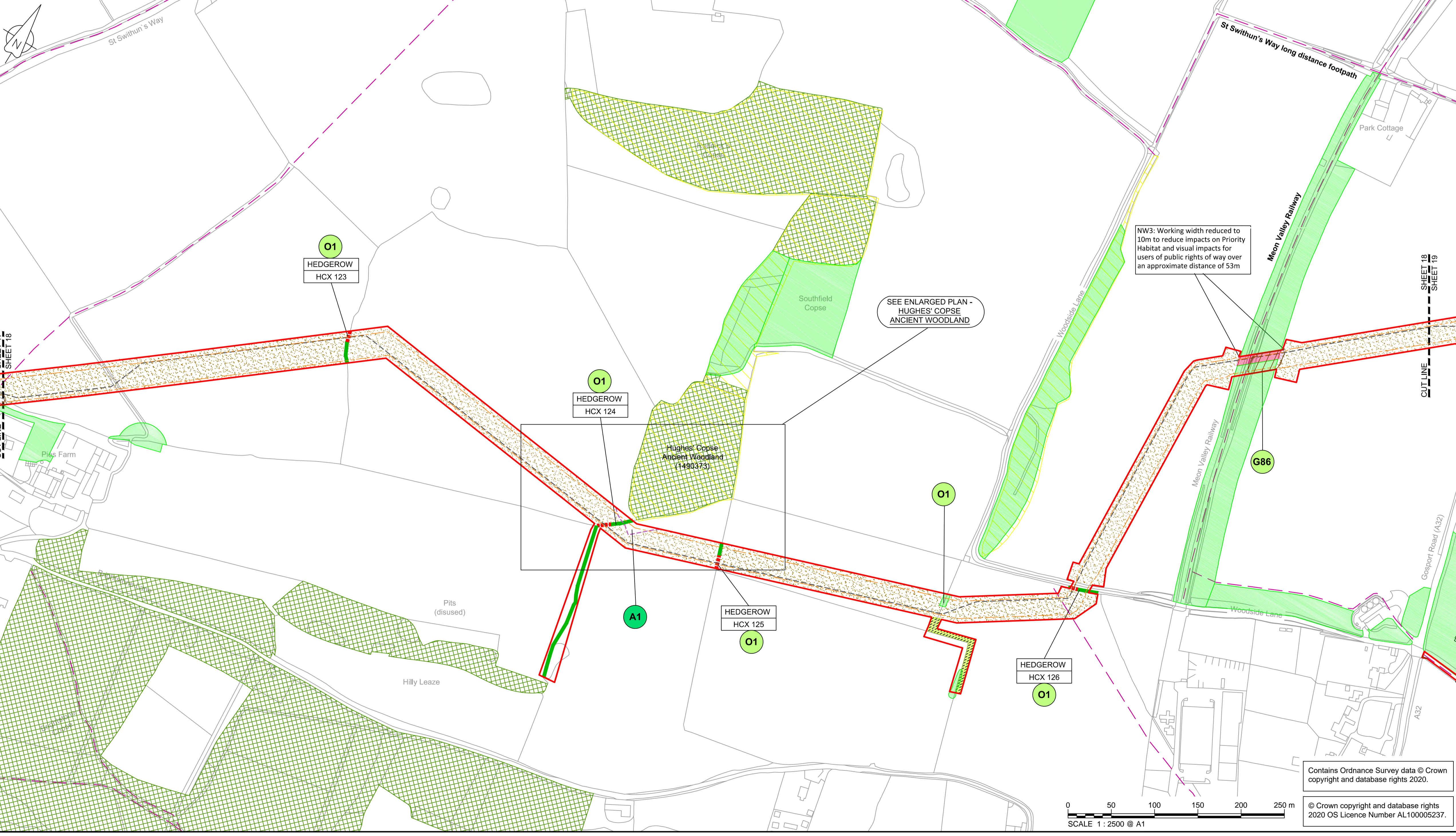
Client: Esso Petroleum Company, Limited
 Emryn House,
 Emryn Way,
 Leatherhead,
 Surrey,
 KT22 8UX

Esso | Southampton to London Pipeline Project

SAMPLE VEGETATION RETENTION AND REMOVAL PLANS SHEET 18 (BASED ON INDICATIVE PIPELINE LOCATION)

Drawing status	Initial Status or WIP	
Scale	1:2500	DO NOT SCALE
Jacobs No.	B2325300	Rev P01.3
Client no.		
Drawing number	B2325300-JAC-000-ENV-DRG-111134	

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NOTES

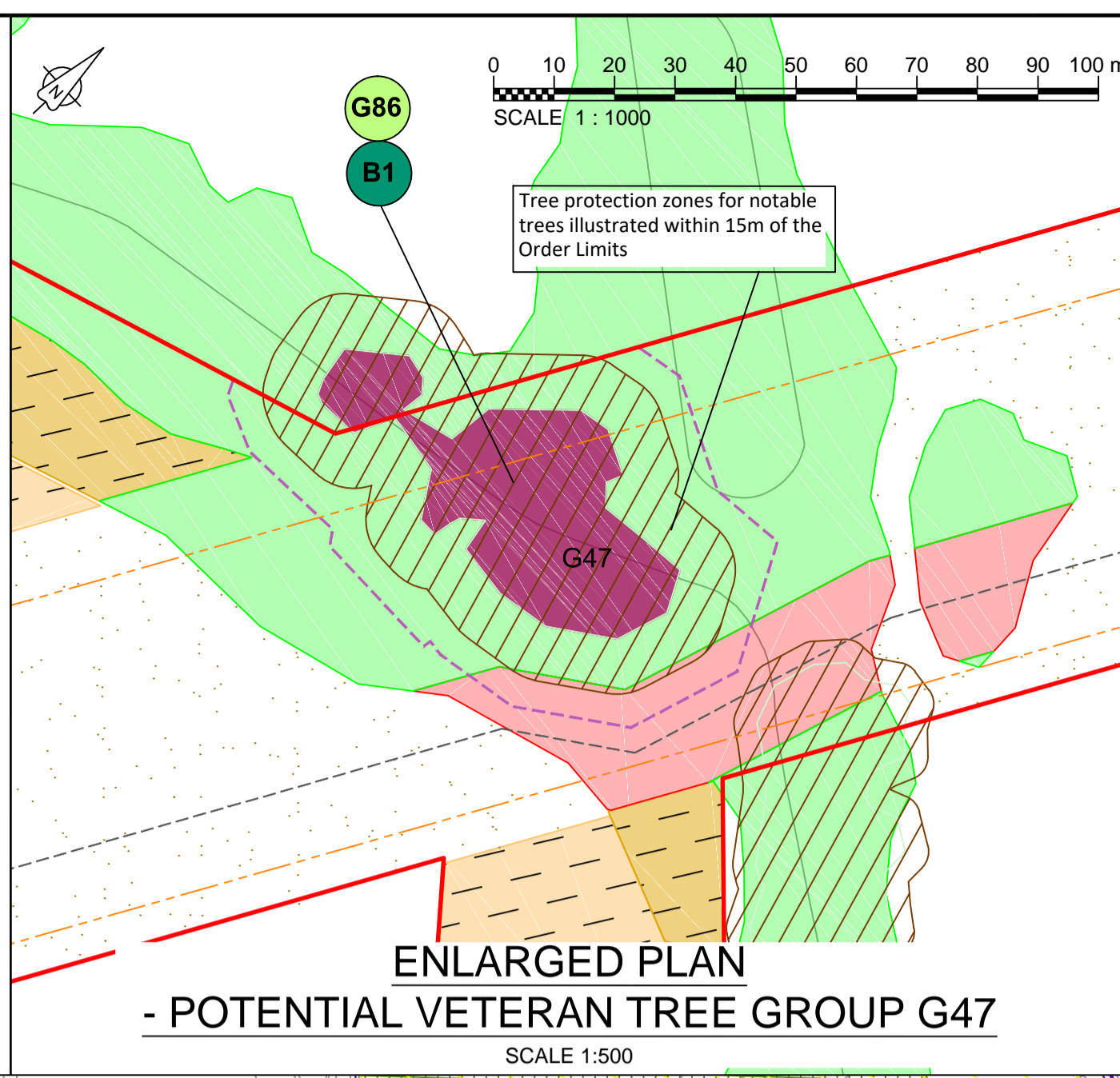
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- The illustration of potential veteran trees and notable trees (where present) on these plans is based on project survey data up until 20/12/19.
- Trees, woodland, scrub and grassland to be retained is based on the Phase 1 Habitat Survey as illustrated on Environmental Statement (ES) figure 7.4 (APP-061) and aerial photographs (Cyent, 2018).
- Tree protection zones for notable trees are only illustrated within the Order Limits, except within the inset plans for Ancient Woodland and Veteran trees, where tree protection zones for notable trees within 15m of the Order Limits are also illustrated.
- Hedgerows to be retained and removed are based on those listed in Annex A of ES Appendix 7.2 (APP-062).
- Within areas of grassland, stripped topsoil would be temporarily stored within an approximately 4m to 5m wide margin, on the opposite side of the Order Limits to the indicative pipeline centreline.
- Commitment G65: Where notable, TPO, Ancient Woodland and Veteran Trees would be retained within or immediately adjacent to the Order Limits, the trees and their tree protection zones would be protected where they extend within the Order Limits and are at risk. This would be by means of fencing or other measures.
- Commitment G89: Appropriate techniques would be used for the removal, storage and transplantation of any vegetation which is to be reused, relocated or transplanted.
- Commitment G95: The contractor(s) would consider and apply the relevant protective principles set out in the National Joint Utilities Group 'Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees' (NJUG Volume 4, 2007). This would be applied to trees within the Order Limits which would be preserved through the construction phase, and to trees outside of the Order Limits where such measures do not hinder or prevent the use of the relevant working width for construction.

PROJECT COMMITMENTS

- O1** Commitment to only utilise a 10m width when crossing through boundaries between fields where these include hedgerows, trees or watercourses.
- G86** Works to notable, TPO and Veteran Trees, where at risk of damage, would be supervised by the EcoW (Environmental Clerk of Works) and supported by an experienced arboriculturalist.
- G131** River bank and in-channel vegetation would be retained where not directly affected by installation works.

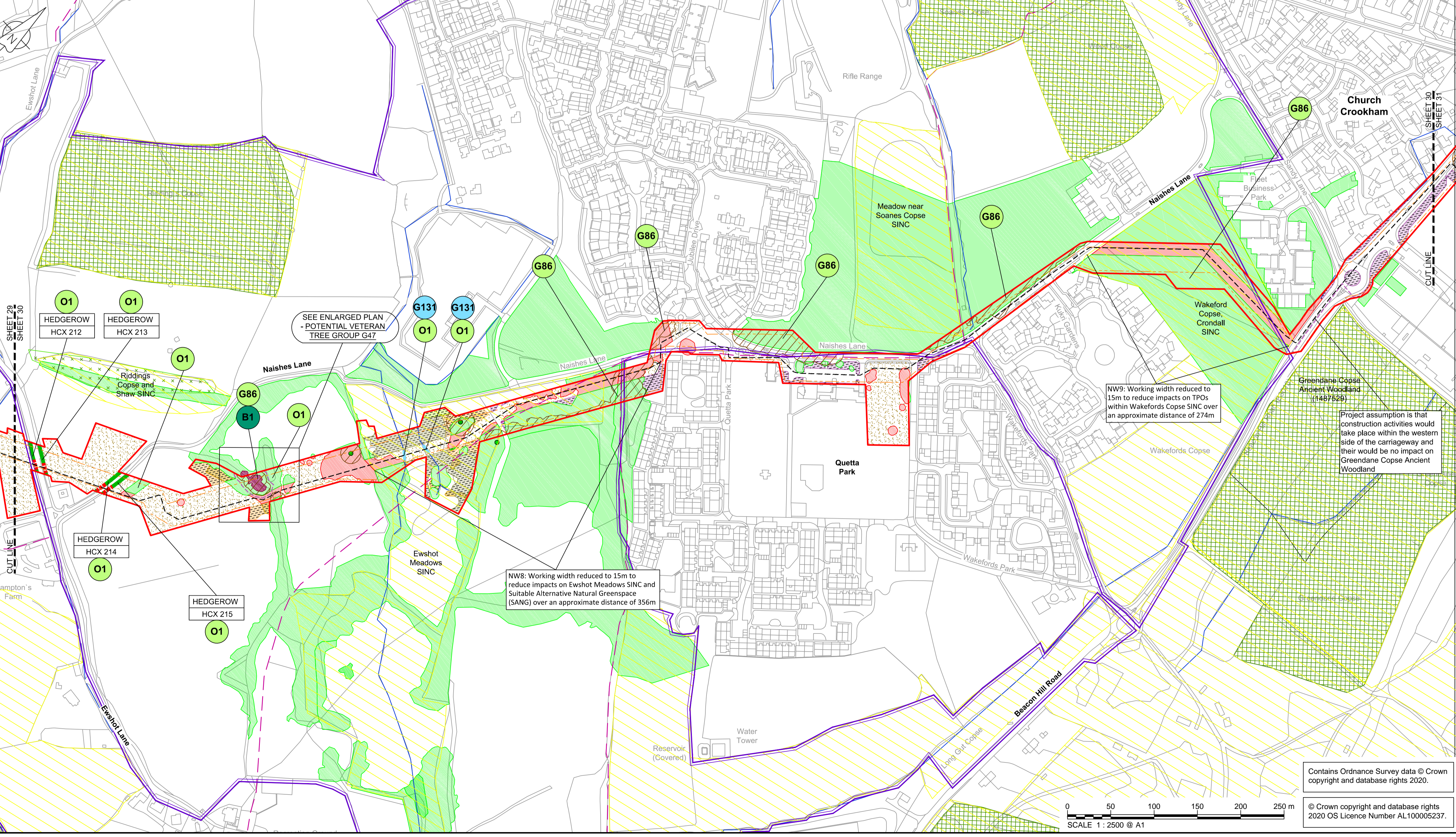
VETERAN AND POTENTIAL VETERAN TREE MITIGATION HIERARCHY

- B1** A buffer width of 5m from the edge of the canopy of the Veteran or potential veteran tree, or up to fifteen times the tree stem diameter, whichever is the greater, up to a maximum of 15m from the stem, shall be maintained between the pipeline trench and the veteran or potential veteran tree. Appropriate and readily visible demarcation shall be maintained to define the buffer where this extends within the Order Limits and to control access during construction. Installation of the pipeline will be kept outside of this buffer. Where not practicable to exclude all potentially compacting activities within the buffer (up to 15m), appropriate ground protection measures shall be put in place to mitigate the potential effects on trees.
 - B2** A minimum buffer equivalent to the extent of the tree protection zones (TPZ) shall be maintained between the pipeline trench and the Veteran or potential veteran tree. Appropriate and readily visible demarcation shall be maintained to define the TPZ buffer where this extends within the Order Limits and to control access during construction. Installation of the pipeline will be kept outside of this TPZ buffer. Where not practicable to exclude all potentially compacting activities within the TPZ buffer, appropriate ground protection measures shall be put in place to mitigate the potential effects on the TPZ.
 - B3** Where not practicable to exclude the pipeline trench from within the TPZ of Veteran or potential veteran trees, site-specific measures that would be employed to mitigate the effects on the TPZ, for example, hand digging/vacuum excavation under arboricultural supervision. These would be recorded in a method statement.
- *Stem diameter, as measured at 1.5m above highest adjacent ground level.



LEGEND

- ORDER LIMITS (Red solid line)
- LIMITS OF DEVIATION (Red dashed line)
- INDICATIVE PIPELINE CENTRELINE (Black dashed line)
- EXISTING CONTEXT
 - SITE OF IMPORTANCE FOR NATURE CONSERVATION (SINC) (Yellow hatched area)
 - POTENTIAL ANCIENT WOODLAND (Green hatched area)
 - TREE PRESERVATION ORDER (TPO) (Purple outline)
 - INDIVIDUAL NOTABLE TREE CENTRE POINTS (WITHIN 15M OF THE ORDER LIMITS) (Green dot)
 - TREE PROTECTION ZONE OF NOTABLE TREES, ANCIENT WOODLAND AND VETERAN TREES (WITHIN ORDER LIMITS, EXCEPT FOR INSETS) (Green hatched area)
 - 15M BUFFER FROM ANCIENT WOODLAND DESIGNATION BOUNDARY/VETERAN TREE STEMS (Purple dashed line)
 - PUBLIC RIGHTS OF WAY (PROW) (Pink dashed line)
 - WATERCOURSE (Blue line)
 - WATERCOURSE CROSSING (Blue line with cross-ticks)
- EXISTING FEATURES TO BE RETAINED
 - ANCIENT WOODLAND TO BE PROTECTED (Green hatched area)
 - POTENTIAL VETERAN TREE GROUPS TO BE RETAINED (WITHIN 15M OF THE ORDER LIMITS) (Purple hatched area)
 - TREES AND WOODLAND TO BE RETAINED - SEE NOTE 4 (Green hatched area)
 - HEDGEROWS TO BE RETAINED - SEE NOTE 6 (Green hatched area)
 - SCRUB TO BE RETAINED (Brown hatched area)
 - NEUTRAL GRASSLAND - SEMI-IMPROVED TO BE RETAINED (Yellow hatched area)
 - NEUTRAL GRASSLAND - UNIMPROVED TO BE RETAINED (Yellow hatched area)
 - IMPROVED GRASSLAND PASTURE TO BE RETAINED (Yellow hatched area)
 - AMENITY GRASSLAND TO BE RETAINED (Yellow hatched area)
- EXISTING FEATURES TO BE REMOVED
 - TREES AND WOODLAND TO BE REMOVED (Red hatched area)
 - HEDGEROWS TO BE REMOVED - SEE NOTE 6 (Red hatched area)
 - AREA TO BE TOPSOIL STRIPPED - SEE NOTE 7 (Red hatched area)



P01.3	29/01/20	DRAFT FOR DCO SUBMISSION	---	---	---	
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd

JACOBS
 1180 Eskdale Road, Wokingham, Wokingham, RG41 5TU
 Tel: +44(0)118 946 7000 Fax: +44(0)118 946 7001
 www.jacobs.com

Client: Esso Petroleum Company, Limited
 Emryn House,
 Emryn Way,
 Leatherhead,
 Surrey,
 KT22 8UX

Project: **Esso** Southampton to London Pipeline Project

SAMPLE VEGETATION RETENTION AND REMOVAL PLANS SHEET 30 (BASED ON INDICATIVE PIPELINE LOCATION)

Drawing status	Initial Status or WIP	
Scale	1:2500	DO NOT SCALE
Jacobs No.	B2325300	Rev
Client no.		P01.3
Drawing number	B2325300-JAC-000-ENV-DRG-111135	

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