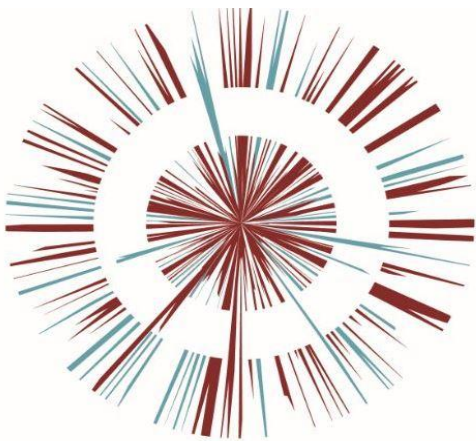




OMEGA ZONE 8, ST HELENS

Omega St Helens Ltd / T. J. Morris Limited



Document Title
ES Vol. 2 Appendix 9.18 Habitat
Loss and Creation Calculations
Document No. OPP DOC.11.22p

Table 1: Habitat Loss within Outline Area (including expansion land east of TJM)

Habitat	Existing on-site	To be lost	Retained
Woodland	(Woodland B, Duck Wood) 37072(m²)	(Woodland B, part of Duck Wood) 29494 (m²)	(Part of Duck Wood) 7578 (m²)
Ponds	(Ponds B, S, G, I, X, Ki, K, H, BWP) 6825 (m²)	(Ponds B, S, G, I, X, Ki, K) 5994 (m²)	(Ponds H, BWP) 831 (m²)
Hedgerow	(HR 1, HR 2) 442 (m)	(HR 1, HR 2) 442 (m)	0 (m)
Grassland (improved)	102439 (m²)	102439 (m²)	0 (m²)
Scattered trees	14893 (m²)	9949 (m²)	3613 (m²)

Table 2: Habitat Loss within TJM Area

Habitat	Existing on site	To be lost	Retained
Woodland	(Woodland A, Big Belt Wood) 13350 (m²)	(Woodland A, Big Belt Wood) 13350 (m²)	0 (m²)
Ponds	(Ponds 1, 4, C, A, AZ, D, Z) 4322 (m²)	(Ponds 1, 4, C, A, AZ, D, Z) 4322 (m²)	0 (m²)
Hedgerow	(HR 3) 92 (m²)	(HR 3) 92 (m)	0 (m²)
Grassland (Improved)	2459 (m²)	2459 (m²)	0 (m²)
Grassland (Poor Semi-Improved)	1105 (m²)	1085 (m²)	20 (m²)
Scattered trees	3546 (m²)	3546 (m²)	0 (m²)

Table 3: Biodiversity Net Gain Across the Site

Habitat	Existing on site	To be lost	Retained	To be created in mitigation areas (POE)	To be created within detailed plot (J B Associates)	Biodiversity Net Gain
Woodland & Trees	79992 (m²)	56339 (m²)	23653 (m²)	80639 (m²)	N/A	+ 24300 (m²)
Ponds	11147 (m²)	10316(m²)	831 (m²)	(including attenuation features) 15742 (m²)	N/A	+5426 (m²) + Significantly enhanced pond habitat
Hedgerow	534 linear m	534 linear m	0 linear m	770 linear m (native hedgerow)	9385 linear m (native hedgerow)	+ 9621 linear m + increased species diversity
Grassland	104898 (m²) (improved grassland)	104898 (m²) (improved grassland)	20 (m²) (poor semi-improved grassland strip with <i>F. purpurea</i> on north boundary – too small to map)	69222 (m²) High quality wet grassland / meadow	22312 (m²) High quality wet grassland / meadow	-17032 (m²) Loss in area. However, created grassland is significantly enhanced with much greater species diversity.
Wetland Plants	0	0	0	(included in above calculation)	2133 (m²)	+2133 (m²)
Additional Planting	N/A	N/A	N/A	N/A	14148 (m²) Mixed native plantings (including an underseeding of an ecosward) 2133 (m²) shrubs 173 no. Specimen trees 1834 (m²) Amenity grassland 147 linear m Ornamental hedge	

NB: calculations are exclusive of habitat to be created within outline planning area of the Proposed Development

Table 4: Pond Loss Across Site

Pond #	Area (m²)	To be lost (m²)	Retained (m²)
AZ	558	558	0
Z	284	284	0
B	474	474	0
A	1137	1137	0
D	565	565	0
1	400	400	0
4	332	332	0
C	1046	1046	0
G	596	596	0
I	1543	1543	0
K	375	375	0
Ki	1146	1146	0
X	1595	1595	0
S	265	265	0
H	458	0	458
BWP	373	0	373
TOTAL	11147	10316	831

Table 5: Woodland Loss/Retention Across Site

Woodland #	Area (m²)	To be lost (m²)	Retained (m²)
Plain Plantation	5685	0	5685
Woodland 'A'	4264	4264	0
Duck Wood	22679	15101	7578
Big Belt Wood	8563	8563	0
Booth's Wood	5949	0	5949
Woodland 'B'	14393	14393	0
TOTAL	61533	42321	19212

Table 6: Scattered Tree Loss/Retention Across Site

Scattered Trees	Area (m ²)	To be lost (m ²)	Retained (m ²)
Site Wide	18439	13495	3613

Table 6: Hedgerow Loss/Retention Across Site

Hedgerow #	Length (m)	To be lost (m ²)	Retained (m ²)
HR 1	264	264	0
HR 2	178	178	0
HR 3	92	92	0
TOTAL	534	534	0

Table 7: Grassland Loss/Retention Across Site






Grassland	Area (m ²)	To be lost (m ²)	Retained (m ²)
Improved	104898 (m ²)	104898 (m ²)	0 (m ²)
Poor Semi-Improved	20(m ²)	20 (m ²)	20 (m ²)

Figure 1

Woodland & Trees

Omega Zone 8, St Helens

Legend

-  Application Boundary
-  Woodland Block Loss
-  Woodland Block Retained
-  Scattered Tree Loss
-  Scattered Trees Retained



Drawing No.: 16903-01HL_B

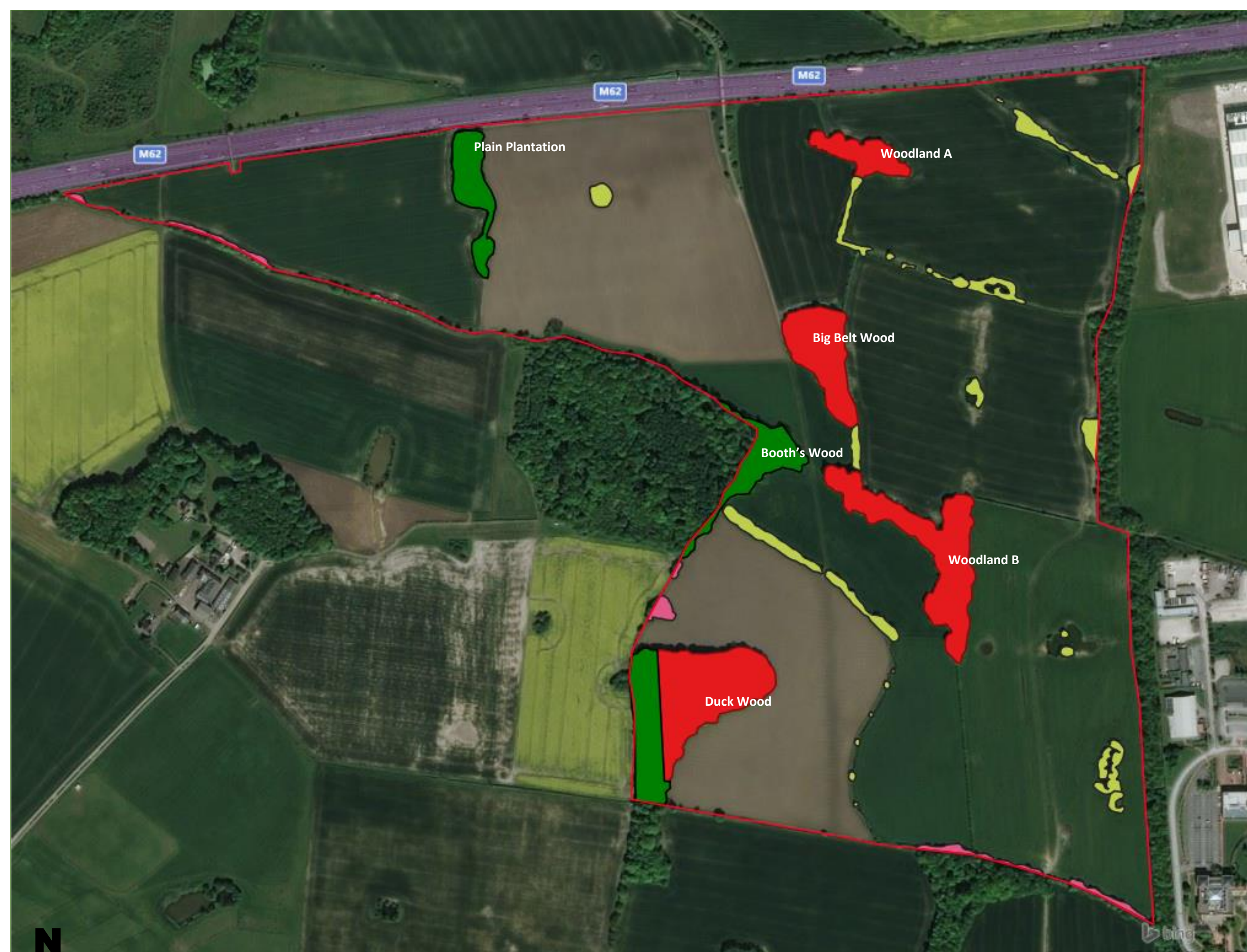
Revision Dates

A	B	C	D
14/11/19	13/12/19		

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Drawings are diagrammatic and not to scale. Refer to architect drawings for exact measurements

50m




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Figure 2

Pond Loss

Omega Zone 8, St Helens

Legend

-  Application Boundary
-  Pond Lost
-  Pond Retained



Drawing No.: 16903-02HL_B

Revision Dates

A	B	C	D
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Figure 3

Hedgerow Loss

Omega Zone 8, St Helens

Legend



Application Boundary



Species-poor Hedgerow Loss

HR 3

HR 2

HR 1



Drawing No.: 16903-03HL_A

Revision Dates

A	B	C	D
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50m




250m

Figure 4

Grassland Loss

Omega Zone 8, St Helens

Legend

-  Application Boundary
-  Improved Grassland
-  Poor Semi-Improved



Drawing No.: 16903-04HL_B

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