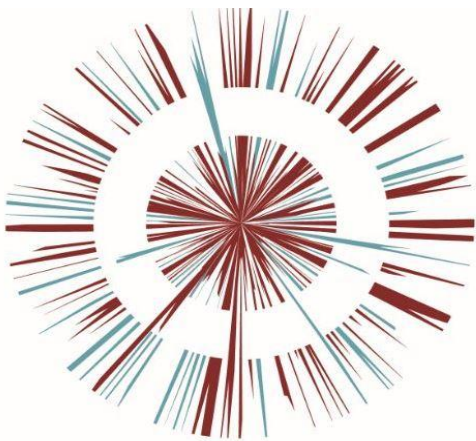


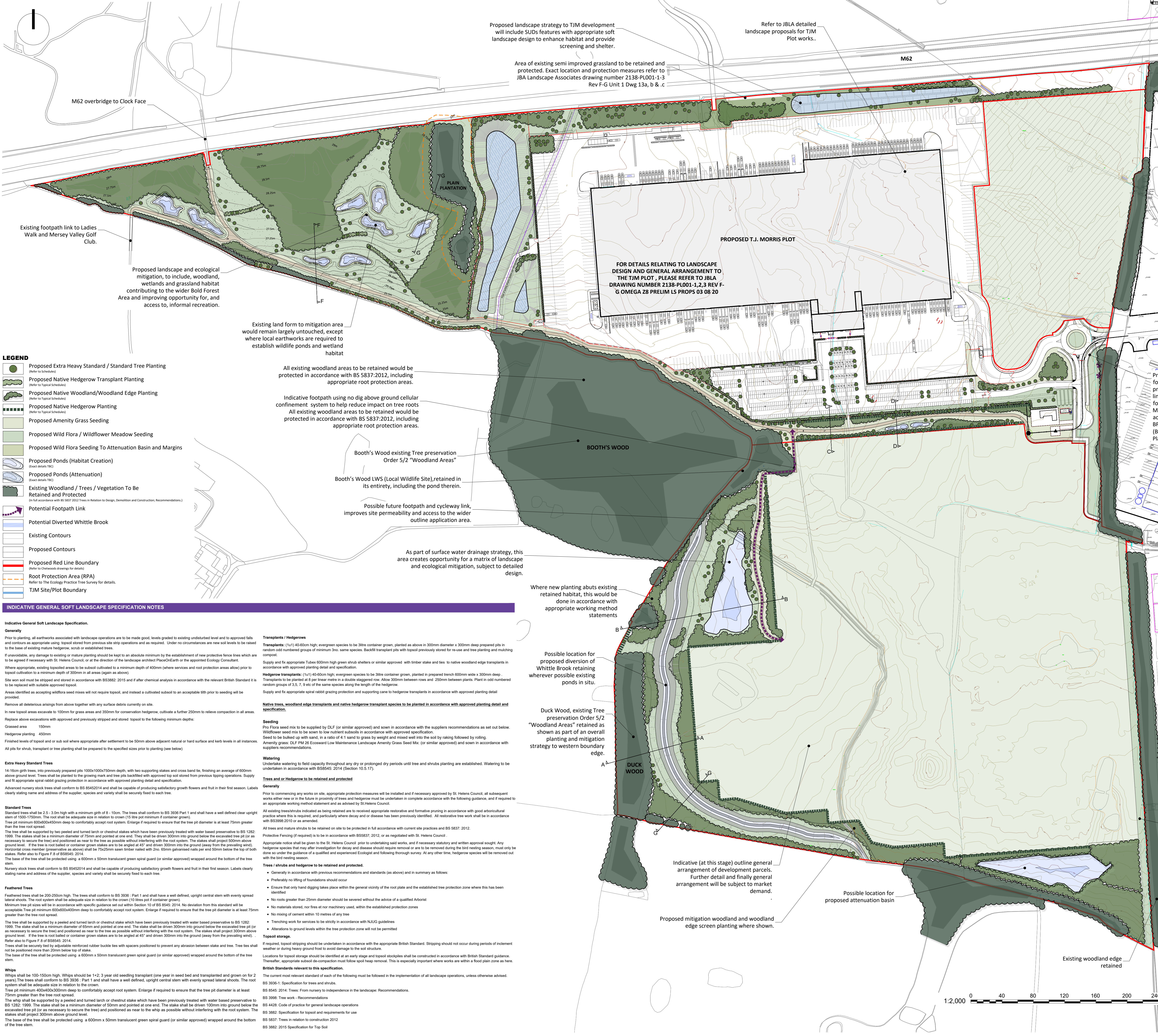


OMEGA ZONE 8, ST HELENS

Omega St Helens Ltd / T. J. Morris Limited



Document Title
ES Vol. 3 Figure 10.4 Landscape
Strategy
Document No. OPP DOC.11.38d



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SAFETY - HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards / risks normally associated with the types of work detailed on this drawing, note the following:

- Construction**
- No abnormal risk.
- Maintenance / Cleaning**
- The Contractor and Facilities Manager are reminded that the perimeter of the site is maintained as fully accessible to the public. In this, all footpaths and roadways, including those upon which soft landscape impacts, are to be maintained in a clean and tidy condition and free from over hanging vegetation.
 - Particular care is to be taken when maintaining shrub planted areas to avoid accidental contact with dangerous waste materials, which may have been discarded in such areas.
 - The use of chemical based herbicides in landscape maintenance is to be discouraged in favour of organically based herbicides.
 - Pruning of trees and shrubs during the leaf shedding season must be undertaken following a thorough inspection for the presence or otherwise of active nests.

- Decommissioning / Demolition**
- In the event of existing tree removal, all soft landscape areas and trees must first be inspected for the presence of nesting birds and all protected species generally. Ideally, tree and shrub removal should be undertaken outside of the recognised and nesting season which is March to September.
 - Prior to the removal of shrub planting, a thorough site cleanse must be undertaken to establish the absence of any potential dangerous waste material, which could cause accidental harm.

It is assumed that all works will be carried out by a competent contractor, working where appropriate, to an approved method statement. This is not an exhaustive list and reference should be made to the Health and Safety Plan. Where no items are indicated no residual risks are thought to be present.

OMEGA ZONE 8 PLANTING SCHEDULE

Ref. No	SPECIES	HEIGHT (cm)	GIRTH (cm)	DENSITY	TYPE
1	Acer campestre	350-400	14-16	AS SHOWN	Extra Heavy Standard. Root Balled
2	Prunus avium	350-400	14-16	AS SHOWN	Extra Heavy Standard. Root Balled
3	Quercus robur	350-400	14-16	AS SHOWN	Extra Heavy Standard. Root Balled
4	Tilia cordata	350-400	14-16	AS SHOWN	Extra Heavy Standard. Root Balled

Notes:
Trees to be planted in accordance with an approved planting detail and specification.

Ref. No	SPECIES	HEIGHT (cm)	GIRTH (cm)	DENSITY	TYPE
A	Acer campestre	250-300	8-10	AS SHOWN	Standard. Root Balled
B	Prunus avium	250-300	8-10	AS SHOWN	Standard. Root Balled
C	Quercus robur	250-300	8-10	AS SHOWN	Standard. Root Balled
D	Quercus petraea	250-300	8-10	AS SHOWN	Standard. Root Balled

Notes:
Trees to be planted in accordance with an approved planting detail and specification.

Native Woodland Transplant Planting (W)

SPECIES	SIZE (cm)	TYPE	DENSITY	% IN MIX
Acer campestre	40-60	1u1 BR	1.5m Centres	10
Alnus glutinosa	40-60	1u1 BR	1.5m Centres	5
Betula pendula	40-60	1u1 BR	1.5m Centres	10
Betula pubescens	40-60	1u1 BR	1.5m Centres	5
Crataegus monogyna	40-60	1u1 BR	1.5m Centres	10
Corylus avellana	40-60	1u1 BR	1.5m Centres	10
Prunus avium	40-60	1u1 BR	1.5m Centres	8
Quercus petraea	40-60	1u1 BR	1.5m Centres	7
Quercus robur	40-60	1u1 BR	1.5m Centres	20
Sorbus aucuparia	40-60	1u1 BR	1.5m Centres	10
Tilia cordata	40-60	1u1 BR	1.5m Centres	5

Notes:
Native woodland species to be planted in random single species odd numbered groups of 3,5,7 etc.
All native woodland edge transplants to be planted in accordance with an approved planting detail and specification.
Transplants to be planted within 600mm high green Tubex Shrub shelters or similar approved with timber stake and 2No. ties in accordance with approved planting detail.

Native Woodland Whip Planting (WHP)

SPECIES	SIZE (cm)	TYPE	DENSITY	% IN MIX
Acer campestre	125-150	1+2 BR	1.5m Centres	10
Alnus glutinosa	125-150	1+2 BR	1.5m Centres	5
Betula pendula	125-150	1+2 BR	1.5m Centres	10
Betula pubescens	125-150	1+2 BR	1.5m Centres	5
Crataegus monogyna	125-150	1+2 BR	1.5m Centres	10
Corylus avellana	125-150	1+2 BR	1.5m Centres	10
Prunus avium	125-150	1+2 BR	1.5m Centres	8
Quercus petraea	125-150	1+2 BR	1.5m Centres	7
Quercus robur	125-150	1+2 BR	1.5m Centres	20
Sorbus aucuparia	125-150	1+2 BR	1.5m Centres	10
Tilia cordata	125-150	1+2 BR	1.5m Centres	5

Notes:
Native woodland whip species to be planted in random single species odd numbered groups of 3,5,7 etc.
All native woodland edge transplants to be planted in accordance with an approved planting detail and specification.

Native Feathered Trees (within Woodland (W) and Whip (WHP) areas: 10 % of area)

SPECIES	Height (cm)	TYPE	% IN MIX
Acer campestre	200-250	Feathered Root Balled	15
Betula pendula	200-250	Feathered Root Balled	15
Crataegus monogyna	200-250	Feathered Root Balled	10
Prunus avium	200-250	Feathered Root Balled	10
Quercus robur	200-250	Feathered Root Balled	25
Quercus petraea	200-250	Feathered Root Balled	15
Sorbus aucuparia	200-250	Feathered Root Balled	12.5
Tilia cordata	200-250	Feathered Root Balled	7.5

Notes:
Trees to be planted in accordance with an approved planting detail and specification.

Native Woodland Edge Transplant Planting (WE)

SPECIES	SIZE (cm)	TYPE	DENSITY	% IN MIX
Acer campestre	40-60	1u1 BR	1m Centres	15
Corylus avellana	40-60	1u1 BR	1m Centres	15
Crataegus monogyna	40-60	1u1 BR	1m Centres	25
Ilex aquifolium	40-60	2Ltr CG	1m Centres	10
Malus sylvestris	40-60	1u1 BR	1m Centres	7.5
Prunus spinosa	40-60	1u1 BR	1m Centres	15
Sambucus nigra	40-60	1u1 BR	1m Centres	2.5
Rosa canina	40-60	1u1 BR	1m Centres	5
Viburnum opulus	40-60	1u1 BR	1m Centres	5

Notes:
Native woodland edge species to be planted in random single species odd numbered groups of 3,5,7 etc.
All native transplants to be planted in accordance with an approved planting detail and specification.
Transplants to be planted within 600mm high green Tubex Shrub shelters or similar approved with timber stake and 2No. ties in accordance with approved planting detail.

Native Hedgerow Transplant Planting Mix (NH)

SPECIES	SIZE (cm)	TYPE	DENSITY	% IN MIX
Corylus avellana	40-60	1u1 BR	8 per linear metre. Double Staggered Row	5
Crataegus monogyna	40-60	1u1 BR	8 per linear metre. Double Staggered Row	80
Ilex aquifolium	40-60	3Ltr CG	8 per linear metre. Double Staggered Row	5
Malus sylvestris	40-60	1u1 BR	8 per linear metre. Double Staggered Row	5
Sambucus nigra	40-60	1u1 BR	1m Centres	2.5
Rosa canina	40-60	1u1 BR	1m Centres	10
Viburnum opulus	40-60	1u1 BR	8 per linear metre. Double Staggered Row	5

Notes:
Crataegus to be the dominant species within the hedgerow and planted along full length of run. Other species to be planted in random scattered groups of 1, 3, 5 or within hedgerow.
All native transplants to be planted in accordance with an approved planting detail and specification.
Hedgerow transplants to be planted with 600mm high clear spiral rabbit guard and supporting cane in accordance with an approved planting detail.

Native Under Storey Transplant Planting to Plain Plantation (PROVISIONAL)

SPECIES	SIZE (cm)	TYPE	DENSITY	% IN MIX
Acer campestre	40-60	1u1 BR	1m Centres	15
Corylus avellana	40-60	1u1 BR	1m Centres	15
Crataegus monogyna	40-60	1u1 BR	1m Centres	25
Ilex aquifolium	40-60	2Ltr CG	1m Centres	15
Malus sylvestris	40-60	1u1 BR	1m Centres	7.5
Sambucus nigra	40-60	1u1 BR	1m Centres	2.5
Rosa canina	40-60	1u1 BR	1m Centres	10
Viburnum opulus	40-60	1u1 BR	1m Centres	10

Notes:
Allow 10% of area. To be planted in full accordance with BS5837 2012 and approved method statement to prevent damage to tree roots within the existing plantation.
Native woodland edge species to be planted in random single species odd numbered groups of 3,5,7 etc.
All native woodland edge transplants to be planted in accordance with an approved planting detail and specification.
Transplants to be planted within 600mm high green Tubex Shrub shelters or similar approved with timber stake and 2No. ties in accordance with approved planting detail.

Client
OMEGA ST. HELENS LTD / T.J.MORRIS LIMITED

Project
OMEGA ZONE 8

Title
LANDSCAPE STRATEGY:OMEGA ZONE 8 (OPP DWG 5)

Drawn	Checked	Scale	Issue
NRW/PT	NRW	1:2000&A0	PLANNING
Drawing No.	Date	Revision	
POE_199_001	12/19	H	

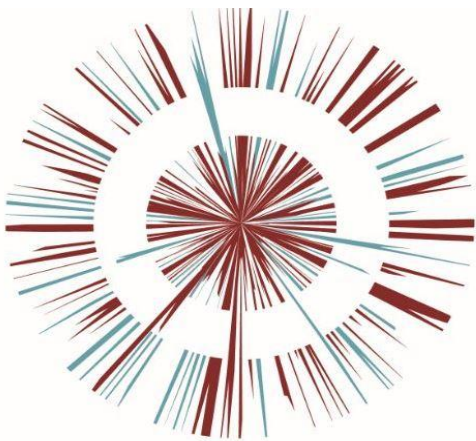
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landscape design

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