



- LEGEND**
- Proposed Extra Heavy Standard / Standard Tree Planting (Refer to Schedule)
 - Proposed Native Hedgerow Transplant Planting (Refer to Typical Schedule)
 - Proposed Native Woodland/Woodland Edge Planting (Refer to Typical Schedule)
 - Proposed Native Hedgerow Planting (Refer to Typical Schedule)
 - Proposed Amenity Grass Seeding
 - Proposed Wild Flora / Wildflower Meadow Seeding
 - Proposed Wild Flora Seeding to Attenuation Basin and Margins
 - Proposed Ponds (Habitat Creation) (Refer to Schedule)
 - Proposed Ponds (Attenuation) (Refer to Schedule)
 - Existing Woodland / Trees / Vegetation to be Retained and Protected (In full accordance with BS 5821:2012 (Trees in Relation to Design, Development and Conservation, Recommendations))
 - Potential Footpath Link
 - Potential Diverted Whittle Brook
 - Existing Contours
 - Proposed Outline Planning Boundary (Refer to Development Strategy for details)

INDICATIVE GENERAL SOFT LANDSCAPE SPECIFICATION NOTES

General
Prior to planting, all earthworks associated with landscape operations are to be made good, levels graded to existing undisturbed level and to approved falls, and contours as appropriate using topsoil above from previous site operations and as required. Under no circumstances are new soil levels to be raised to meet or exceed original ground levels. In the event of any damage to existing or mature planting should be kept to an absolute minimum by the establishment of new protection fence lines which are to be agreed in writing with the St. Helens Council or the Director of the landscape architect PlaceOnEarth or the appointed Ecologist Consultant. Where appropriate, existing riparian areas to be subject to a minimum depth of 400mm (where surface and root protection areas allow) prior to topsoil collection to a minimum depth of 300mm in all areas (as per above).

Native trees, woodland edge transplants and native hedgerow transplants
Native trees, woodland edge transplants and native hedgerow transplants to be planted in accordance with approved planting detail and specification.

Seeding
Pro Flora seed mix to be supplied by DLF (or similar approved) and sown in accordance with the suppliers recommendations as set out below. Hedgerow seed mix to be sown to full nutrient standards in accordance with approved specification. Seed to be bulked up with sand, in a ratio of 4:1 sand to grass by weight and mixed well into the soil by raking followed by rolling. Amenity grass: DLF PM 20 Ecowood Low Maintenance Landscape Amenity Grass Seed Mix (or similar approved) and sown in accordance with suppliers recommendations.

Watering
Underwater watering to be field capacity throughout any dry or prolonged dry periods until tree and shrubs planting are established. Watering to be undertaken in accordance with BS5821:2012 (Section 10.5.17).

Trees and/or Hedgerow to be retained and protected
General
Prior to commencing any works on site, appropriate protection measures will be installed and if necessary approved by St. Helens Council, all subsequent works either near or at the base in proximity of trees and hedgerows must be undertaken in complete accordance with the following guidelines, and if required to an appropriate working method statement and as advised by St Helens Council. All existing trees/riparian areas being retained are to be retained in complete accordance with the following guidelines, and if required to an appropriate working method statement and as advised by St Helens Council. All existing trees/riparian areas being retained are to be retained in complete accordance with the following guidelines, and if required to an appropriate working method statement and as advised by St Helens Council. All existing trees/riparian areas being retained are to be retained in complete accordance with the following guidelines, and if required to an appropriate working method statement and as advised by St Helens Council.

Standard Trees
Standard trees shall be 2.5 - 3.0m high with a minimum girth of 4 - 10cm. The trees shall conform to BS 5838 Part 1 and shall have a well defined clear height above ground level. Trees shall be planted to the growing mark and tree pits backfilled with approved top soil based from previous topsoil operations. Supply and fit appropriate wind guard planting in accordance with approved planting detail and specification.

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OMEGA ZONE 8 PLANTING SCHEDULE
Individual Specimen Trees

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.

Native Hedgerow Trees

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
Corylus 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 approved planting detail and specification.
Transplants to be planted within 600mm high green Tubex Shrub shelters or similar approved with timber stake and 200mm 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
Corylus 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 approved planting detail and specification.

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

SPECIES	HEIGHT (cm)	TYPE	DENSITY	% IN MIX
Acer campestre	200-250	Feathered	Root Balled	15
Betula pendula	200-250	Feathered	Root Balled	10
Corylus 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	5
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
Corylus monogyna	40-60	1u1 BR	1m Centres	25
Ilex aquifolium	40-60	2Lr 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 woodland edge transplants to be planted in accordance with approved planting detail and specification.
Transplants to be planted within 600mm high green Tubex Shrub shelters or similar approved with timber stake and 200mm 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
Corylus monogyna	40-60	1u1 BR	8 per linear metre, Double Staggered Row	80
Ilex aquifolium	40-60	2Lr CG	8 per linear metre, Double Staggered Row	5
Rosa canina	40-60	1u1 BR	8 per linear metre, Double Staggered Row	5
Viburnum opulus	40-60	1u1 BR	8 per linear metre, Double Staggered Row	5

Notes:
Corylus 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 1,3,5,7 within hedgerow.
All native transplants to be planted in accordance with 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
Corylus monogyna	40-60	1u1 BR	1m Centres	25
Ilex aquifolium	40-60	2Lr 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 15% of area. To be planted in full accordance with BS5837:2012 and approved method statement or 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 approved planting detail and specification.
Transplants to be planted within 600mm high green Tubex Shrub shelters or similar approved with timber stake and 200mm ties in accordance with approved planting detail.

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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.
- Planting of trees and shrubs during the bird nesting 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 bird nesting season which is March to September.
- Prior to the removal of shrub planting, a thorough site disease must be undertaken to establish the absence of any potential dangerous waste material, which could cause an accident.

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 risks are indicated no residual risks are thought to be present.

ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK. PLACEON EARTH ARE TO BE NOTIFIED OF ANY OMISSIONS OR ERRORS PRIOR TO COMMENCEMENT OF ANY SETTING OUT, WORKS OR ORDERING OF MATERIALS.

DO NOT SCALE FROM THIS DRAWING. FIGURED DIMENSIONS ONLY ARE TO BE USED.

PLACEON EARTH LTD. CAN NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF INFORMATION PRODUCED BY OTHERS FOR THE PURPOSES OF PRODUCING OUR DRAWINGS. E. TOPOGRAPHICAL SURVEYS, ARCHITECTS LAYOUTS, AREA MEASUREMENTS ARE PROVIDED FOR INFORMATION ONLY. ANY VERIFICATION OF MEASUREMENTS SHOULD BE SOUGHT FROM A SUITABLY QUALIFIED SURVEYOR.

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EXACT SERVICES LOCATIONS ARE NOT KNOWN AND ARE TO BE CONFIRMED BY THE ENGINEER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO UNDERTAKING ANY WORK OR BREAKING GROUND TO SCAN/CHECK FOR THE LOCATION OF ALL SERVICES AND MARK OUT ON SITE. ANY CONFLICT WITH PROPOSED LANDSCAPE PLANTING AREAS SHOULD BE REPORTED TO PLACEON EARTH PRIOR TO UNDERTAKING ANY WORKS.

TREE LOCATIONS ARE DEPENDANT ON LOCATION OF ADJACENT/PROPOSED SERVICES AND REQUIRED STANDOFF AND TO BE CONFIRMED BY THE ENGINEER (SEE ABOVE).

ROOT BARRIERS ARE TO BE INSTALLED (WHERE REQUIRED) TO TREES ADJACENT TO SERVICES, BUILDINGS, ROADS AND PATHWAYS AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.

ALL DIMENSIONS ARE IN MILLIMETRES (UNLESS STATED). THIS DRAWING IS FOR PLANNING PURPOSES ONLY AND NOT FOR CONSTRUCTION.

Rev.	Date	Description	Revised
A	06/08/20	Diverted stream / ditch alignment added. Landscape CA revised to suit new alignment and plot 2,3 & 4 revisions.	

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

Project: **OMEGA ZONE 8**

Title: **PARAMETER PLAN 3: OUTLINE LANDSCAPE (OPP DWG 10)**

Drawn	Checked	Scale	Issue
NRW/PT	NRW	1:2000@A0	PLANNING

Drawing No.	Date	Revision
POE_199_011	06/20	A