

**PLANT SCHEDULE**

TREES	Size
AC	Acer campestre 14-16cm girth EHS RB
AG	Acer griseum 14-16cm girth EHS RB
BP	Betula pendula 10-12cm girth Feathered CG
BU	Betula utilis 3.0-3.6m high MS RB
CB	Carpinus betulus 14-16cm girth EHS RB
CC	Cornus controversa 10-12cm girth Feathered CG
MF	Malus floribunda 16-18cm girth EHS CG
PA	Prunus avium 14-16cm girth EHS RB
PFG	Prunus fruticosa Globosa 18-20cm girth SM CG
SA	Sorbus aucuparia 10-12cm girth Feathered CG
SAM	Sorbus aria Mitchellii 16-18cm girth EHS RB
TC	Tilia cordata 14-16cm girth EHS RB
QR	Quercus robur 10-12cm girth Feathered CG

**GRASS SEEDING (S)**  
Seed mix areas shall be Pro 25 low maintenance mix. All seed mixes manufactured by DLF Seeds Ltd, spread to their recommended rates. Where existing grass is disturbed to construct kerbings etc marry levels into existing and make good the grass areas by reseeded.

**GRASS TURFING (T)**  
To be good quality treated meadow turf min 25mm thick (thatch & root) and with a preponderance of fine grasses.

**WILDFLOWER MEADOW**  
Seed mix areas shall be 60% EG 1 mix and 40% EM 1F mix. All seed mixes manufactured by Emorsgate, spread to their recommended rates. Combine each seed mix thoroughly together prior to broadcasting

**WETLAND MEADOW**  
Seed mix areas shall be EP 1F mix. All seed mixes manufactured by Emorsgate, spread to their recommended rates.

**WATER MARGIN PLANTS (wmp)**  
To be planted in random groups of 5-15no. by species. Water margin plantings are to be planted at the water margin and below 4 plants/m<sup>2</sup>.

- To consist of groups of the following species:
- 30% CAC Carex acutiformis
  - 20% IP Iris pseudocorus
  - 15% PHA Phalaris arundinacea
  - 20% SL Schoenoplectus lacustris
  - 15% TM Typha minima

**NATIVE HEDGE PLANTING (nh)**  
To be planted in a double staggered row of 5 plants per linear metre. Crataegus to be inserted into ground in random groups of 15-35 by species along length of proposed hedge, other species to be inserted into ground in random groups of 3-9 by species. To receive bark mulch.

Species	Percentage	Size(cm)
Crataegus monogyna	80%	1+1 60-90 BR
Corylus avellana	5%	1+1 60-90 BR
Ilex aquifolium	5%	3L pots 60-90
Rosa canina	5%	1+1 60-90 BR
Viburnum opulus	5%	1+1 60-90 BR

**MIXED NATIVE PLANTING MIX 1 (mnp1)**  
To be planted at 1.0m centres in random groups of 9-17no. by species. Planting shall consist of the following percentages:

Species	Percentage	Size(cm)
Acer campestre	10%	1 + 1 60-90 BR
Alnus glutinosa	10%	1 + 1 80-100 BR
Betula pendula	10%	1 + 1 80-100 BR
Corylus avellana	20%	1 + 1 80-100 BR
Crataegus monogyna	20%	1 + 1 40-60 BR
Prunus avium	10%	1 + 1 60-90 BR
Sorbus aucuparia	10%	1 + 1 60-90 BR
Quercus robur	10%	1 + 1 60-90 BR

**MIXED NATIVE PLANTING MIX 2 (mnp2)**  
To be planted at 1.0m centres in random groups of 9-17no. by species. Planting shall consist of the following percentages:

Species	Percentage	Size(cm)
Acer campestre	10%	1 + 2 100-125 BR
Alnus glutinosa	10%	1 + 2 100-125 BR
Betula pendula	10%	1 + 2 100-125 BR
Betula pubescens	10%	1 + 2 100-125 BR
Carpinus betulus	10%	1 + 2 100-125 BR
Crataegus monogyna	10%	1 + 2 100-125 BR
Prunus avium	10%	1 + 2 100-125 BR
Sorbus aucuparia	10%	1 + 2 100-125 BR
Quercus robur	10%	1 + 2 100-125 BR
Tilia cordata	10%	1 + 2 100-125 BR

**MIXED NATIVE PLANTING MIX 3 (mnp3)**  
To be planted at 1.0m centres in random groups of 9-17no. by species. Planting shall consist of the following percentages:

Species	Percentage	Size(cm)
Acer campestre	10%	1 + 1 60-90 BR
Corylus avellana	15%	1 + 1 80-100 BR
Crataegus monogyna	15%	1 + 1 80-100 BR
Ilex aquifolia	20%	1 + 1 80-100 BR
Malus sylvestris	20%	1 + 1 60-90 BR
Rosa canina	10%	3L Pots 60-90
Sorbus aucuparia	10%	1 + 1 60-90 BR

All Mixed Native Planting areas to be underseeded with Pro26 mix manufactured by DLF Seeds Ltd, spread to their recommended rates.

All whips and transplants supplied to site shall be of British provenance. A certificate proving such shall be provided to the Landscape Architect prior to delivery to site. All whips to have clear plastic spiral rabbit guards, secured into ground with bamboo canes, ilex to have Netlon guards, secured into ground with bamboo canes.

Subsoil in areas for planting shall be ripped to a minimum depth of 300mm prior to application of topsoil.

Roots of all bareroot stock shall be treated with Mycorrhizae Whip Dip to manufacturers instruction. Supplier Burrow Nursery on 01435 862992.

**NOTES**  
All works shall be in accordance with the Landscape Specification and comply with current Health & Safety and CDM Regulations.

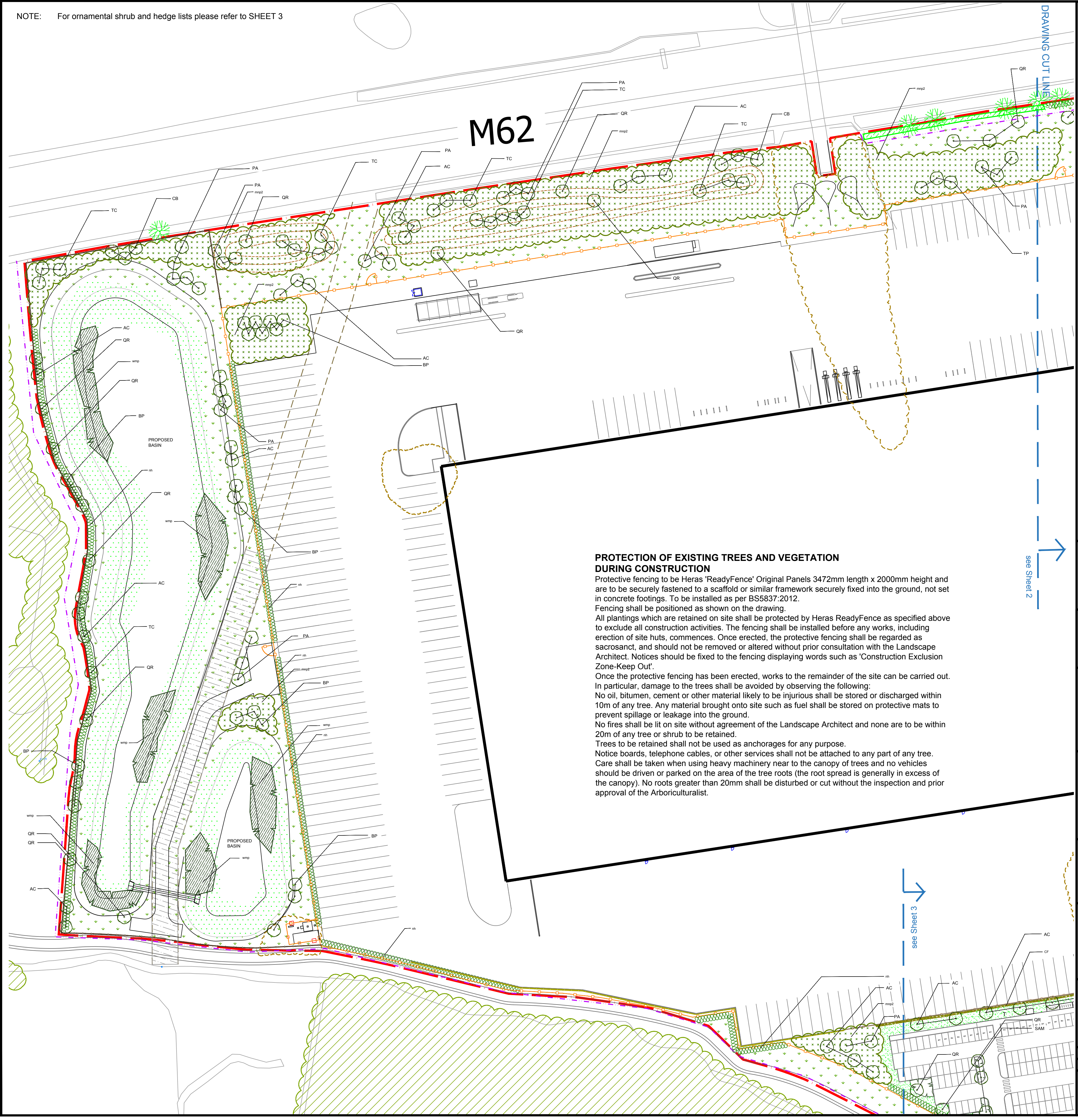
No trees shall be planted within 5m of drains or services without the installation of a root barrier. The Landscape Contractor shall be responsible for acquiring 'as-built' drain and service plans before commencing work on site.

Where existing grass is disturbed it shall be reinstated to match surrounding levels and made good.

Where plants nos. or areas are shown on a schedule, these are for assistance only and do not over-ride actual nos. or areas on the drawing.

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NOTE: For ornamental shrub and hedge lists please refer to SHEET 3

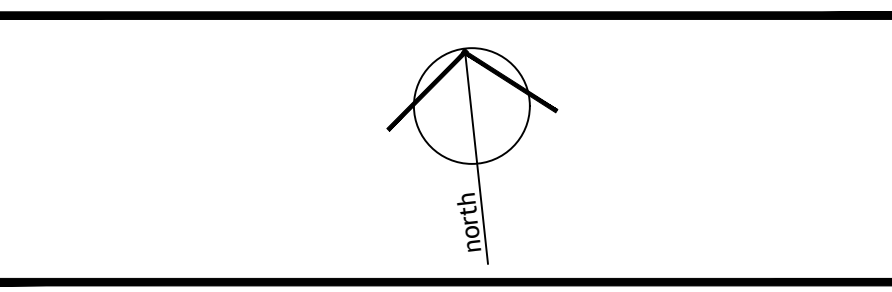


**PROTECTION OF EXISTING TREES AND VEGETATION DURING CONSTRUCTION**

Protective fencing to be Heras 'ReadyFence' Original Panels 3472mm length x 2000mm height and are to be securely fastened to a scaffold or similar framework securely fixed into the ground, not set in concrete footings. To be installed as per BS5837:2012. Fencing shall be positioned as shown on the drawing. All plantings which are retained on site shall be protected by Heras ReadyFence as specified above to exclude all construction activities. The fencing shall be installed before any works, including erection of site huts, commences. Once erected, the protective fencing shall be regarded as sacrosanct, and should not be removed or altered without prior consultation with the Landscape Architect. Notices should be fixed to the fencing displaying words such as 'Construction Exclusion Zone-Keep Out'. Once the protective fencing has been erected, works to the remainder of the site can be carried out. In particular, damage to the trees shall be avoided by observing the following: No oil, bitumen, cement or other material likely to be injurious shall be stored or discharged within 10m of any tree. Any material brought onto site such as fuel shall be stored on protective mats to prevent spillage or leakage into the ground. No fires shall be lit on site without agreement of the Landscape Architect and none are to be within 20m of any tree or shrub to be retained. Trees to be retained shall not be used as anchorages for any purpose. Notice boards, telephone cables, or other services shall not be attached to any part of any tree. Care shall be taken when using heavy machinery near to the canopy of trees and no vehicles should be driven or parked on the area of the tree roots (the root spread is generally in excess of the canopy). No roots greater than 20mm shall be disturbed or cut without the inspection and prior approval of the Arboriculturalist.

**KEY:**

- existing plantings & trees to be retained (mostly based on Ramm Sandersons Tree Constraints Plan RSE\_3152\_TCP Rev V1)
- existing plantings & trees to be removed to enable development
- proposed tree planting
- proposed wetland planting
- proposed ornamental shrub planting
- proposed climbing plant
- proposed native hedging
- proposed ornamental hedging
- proposed amenity grass areas S = seeded T = turfed
- proposed wetland meadow
- proposed wildflower meadow
- existing semi-improved grassland to be protected and left undisturbed
- temporary tree protection fencing
- proposed mixed native planting
- 3m high paladin fence
- 2.1m high paladin fence
- 2.1m high Hit & Miss timber fence
- 3m high CB timber fence
- 1.2m high P&R timber fence (see architect's drawing for full details)
- existing/proposed easement
- Approximate proposed bunding - contours @ 1.0m intervals above surrounding level
- proposals boundary



**SUITABLE FOR PLANNING PURPOSES ONLY**

D: Layout updated to 6385-181e	ajh	23-04-20
C: Seated area trees added. Layout updated to 6385-1001 RevA	ajh	09-04-20
B: Woodland Officer's recommendations added. Layout updated to 6385-181c & 191C	ajh	13-03-20
A: Additional species added to tree schedule and minor correction in the legend	JB	27-01-20
REV	Drawn	Date

**CLIENT**  
TJ MORRIS LIMITED

**J B Landscape Associates**  
Wharf Centre, Wharf St., Warwick CV34 4JT 0780136 5965

**PROJECT**  
UNIT 1  
OMEGA ZONE 8  
ST HELENS

**DRAWING**  
PRELIMINARY LANDSCAPE PROPOSALS  
(Based on aja drawing file 6385 - Option 1 12-12-19)  
(SHEET 1 OF 3)

DRAWN	ajh+JB	CHECKED	JB	APPROVED	JB
DRAWING No	SCALE 1:750@A1			DATE	18 December 2019
<b>2138 - PL001-1 UNIT 1 DWG.13a</b>				REV	<b>D</b>