



KEY:

- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- EXISTING TREE PLANTING AND WOODLAND
- EXISTING HEDGES AND SCRUB
- PROPOSED NEW HEDGEROW WITH HEDGEROW TREES
- PROPOSED NEW 5m GATEWAY
- PROPOSED NEW WOODLAND PLANTING
- PROPOSED BIODIVERSITY GAIN AREA

NOTE: EASTERN EDGE OF NEW WOODLAND PLANTING ALONG EASTERN SIDE OF EXTENSION AREA TO BE ALIGNED TO GIVE APPROPRIATE CLEARANCE BETWEEN TREES AND EXISTING POWER LINE THAT FOLLOWS HEDGELINE

Hedging Species				
Latin Name	English Name	Size	Protection	% of Mix
<i>Crataegus monogyna</i>	Hawthorn	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	50%
<i>Prunus spinosa</i>	Blackthorn	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	20%
<i>Viburnum lantana</i>	Wayfaring tree	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	10%
<i>Cornus sanguinea</i>	Common dogwood	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	10%
<i>Euonymus europaeus</i>	Spindle	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	10%

Hedging plants to be planted in double staggered row, 6 plants per linear metre, 300mm c/s along and 450mm c/s between rows. In same species groups of 25-35 plants. Prior to planting, existing vegetation to be sprayed off using glyphosate, applied according to manufacturer's guidelines. Plants to be notch planted into a T-shaped notch, ensuring that all roots are below the surface before firming in. Propyzamide to be used to control weed growth around new hedge plants for two years after planting, applied according to manufacturer's guidelines.

Hedgerow Trees				
Latin Name	English Name	Size	Protection	% of Mix
<i>Quercus robur</i>	English oak	60-90cm bare root whip	1.2m Tubex tree shelter + hardwood stake	60%
<i>Fraxinus excelsior</i>	Common ash	60-90cm bare root whip	1.2m Tubex tree shelter + hardwood stake	40%

Hedgerow trees to be planted in centre of hedgeline at 30m c/s (except alongside the A417 where the trees will be at 15m c/s), with change of species every 3-5 trees and 500mm clear space with no hedge plants around each tree. Trees to be pit planted, ensuring that all roots are below the surface before backfilling and firming in. Tree shelters to be carefully placed over trees, ensuring that the stem is not de-barked by the bottom edge of the shelter as it is fitted, and pushed into the ground to prevent access by voles and other small mammals. Shelters to be supported by 25mm x 25mm x 1.35m hardwood stakes, driven 30cm into the ground and secured using plastic ratchet ties. Propyzamide to be used to control weed growth around new hedgerow trees for two years after planting, applied according to manufacturer's guidelines.

Woodland Planting				
Latin Name	English Name	Size	Protection	% of Mix
<i>Acer campestre</i>	Field maple	60-90cm bare root whip	1.2m Tubex Treeshrelter + hardwood stake	10%
<i>Carpinus betulus</i>	Hornbeam	60-90cm bare root whip	1.2m Tubex Treeshrelter + hardwood stake	10%
<i>Fraxinus excelsior</i>	Common ash	60-90cm bare root whip	1.2m Tubex Treeshrelter + hardwood stake	20%
<i>Quercus petraea</i>	Sessile oak	60-90cm bare root whip	1.2m Tubex Treeshrelter + hardwood stake	10%
<i>Quercus robur</i>	English oak	60-90cm bare root whip	1.2m Tubex Treeshrelter + hardwood stake	20%
<i>Cornus sanguinea</i>	Common dogwood	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	5%
<i>Corylus avellana</i>	Hazel	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	5%
<i>Euonymus europaeus</i>	Spindle	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	5%
<i>Ilex aquifolium</i>	Holly	Container grown, 2 litre pot	60cm Tubex Shrubshelter + hardwood stake	5%

Woodland Planting				
Latin Name	English Name	Size	Protection	% of Mix
<i>Viburnum lantana</i>	Wayfaring tree	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	5%
<i>Viburnum opulus</i>	Guellder rose	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	5%

Trees and shrubs to be planted at 3m c/s in a random pattern, in same species groups of 3-5 plants. Prior to planting, existing vegetation in 1m diameter circle around each planting location to be sprayed off using glyphosate, applied according to manufacturer's guidelines. Trees and hollies to be pit planted, ensuring that all roots are below the surface before backfilling and firming in. Tree and shrubshelters to be carefully placed over trees, ensuring that the stem is not de-barked by the bottom edge of the shelter as it is fitted, and pushed into the ground to prevent access by voles and other small mammals. Tree and shrubshelters to be supported by 25mm x 25mm hardwood stakes (1.35m long for 1.2m treeshrelters, 0.75m long for 0.6m shrubshelters), driven 30cm into the ground and secured using plastic ratchet ties. Shrub species other than hollies to be notch planted into a T-shaped notch, ensuring that all roots are below the surface before firming in. Propyzamide to be used to control weed growth around new hedgerow trees for two years after planting, applied according to manufacturer's guidelines.

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Revision
Rev A 09/12/2010 Amendments as requested by MPA and client

DAVID JARVIS ASSOCIATES
planning development landscape environment

DAVID JARVIS ASSOCIATES LIMITED
1 Tennyson Street Swindon Wiltshire SN1 5DT
Tel: 01793 612173 Fax: 01793 613625
Email: mail@davidjarvis.biz

Client
MULTI-AGG LTD.

Project
SHELLINGFORD QUARRY - PROPOSED EXTENSION

Drawing Title
PROPOSED RESTORATION SCHEME - MAIN QUARRY

Scale	Date
1:2500 at A2	OCTOBER 2010
Drawing No.	1971/001A