

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

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

DAVID JARVIS ASSOCIATES
planning development landscape environment

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Client
MULTI-AGG LTD.

Project
SHELLINGFORD QUARRY -
PROPOSED EXTENSION

Drawing Title
PROPOSED RESTORATION
SCHEME - MAIN QUARRY

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

Hedgerow 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 europaea</i>	Spindle	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	10%

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%

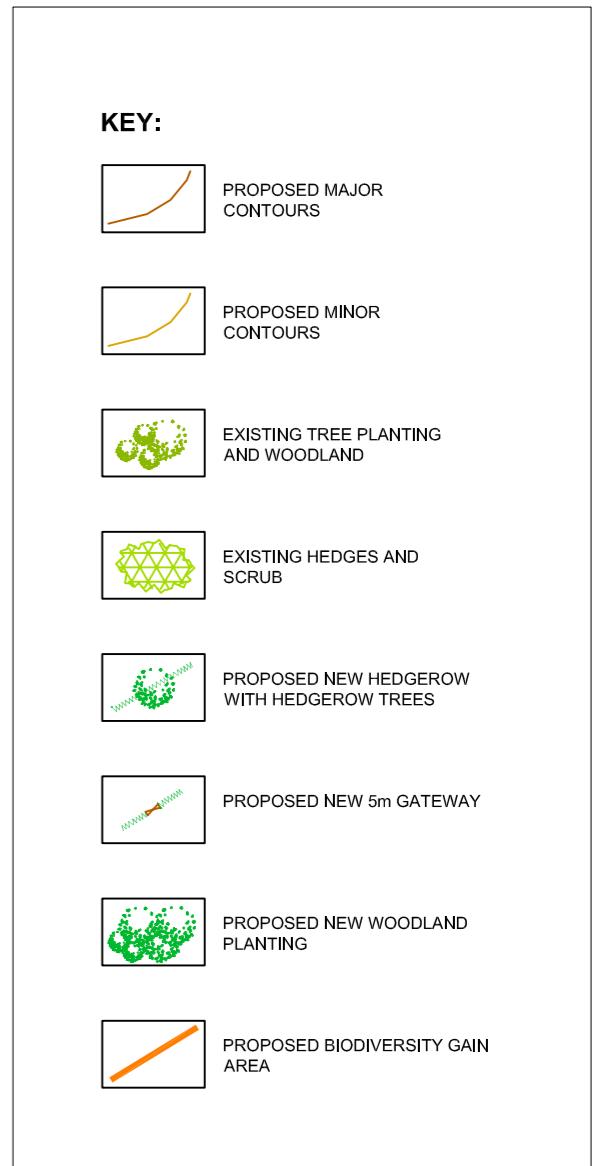
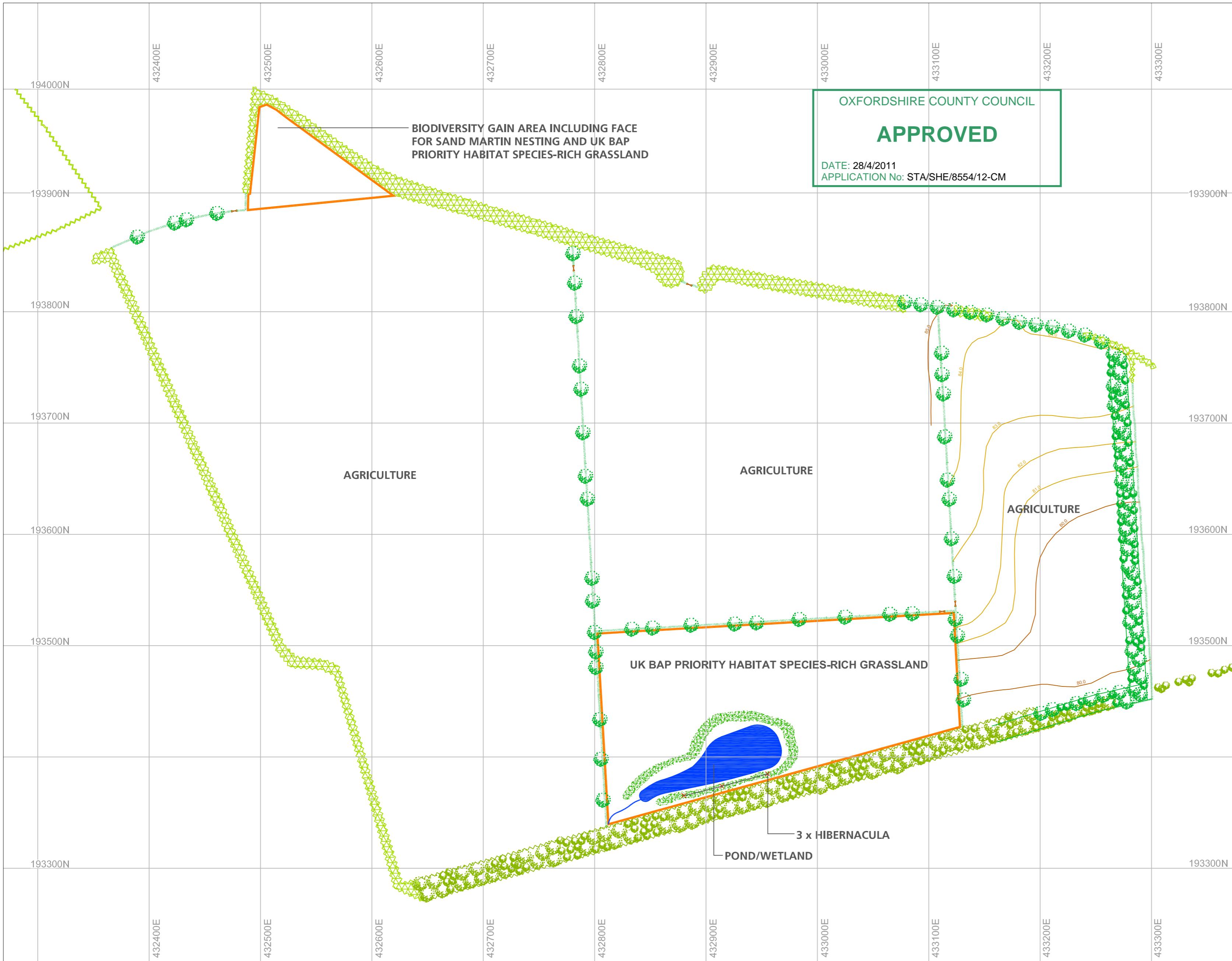
Woodland Planting				
Latin Name	English Name	Size	Protection	% of Mix
<i>Acer campestre</i>	Field maple	60-90cm bare root whip	1.2m Tubex tree shelter + hardwood stake	10%
<i>Carpinus betulus</i>	Hornbeam	60-90cm bare root whip	1.2m Tubex tree shelter + hardwood stake	10%
<i>Fraxinus excelsior</i>	Common ash	60-90cm bare root whip	1.2m Tubex tree shelter + hardwood stake	20%
<i>Quercus petraea</i>	Sessile oak	60-90cm bare root whip	1.2m Tubex tree shelter + hardwood stake	10%
<i>Quercus robur</i>	English oak	40-60cm bare root whip	1.2m Tubex tree shelter + 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 europaea</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 shrubshter + hardwood stake	5%

Hedgerow plants to be planted in double staggered row, 5 plants per linear metre, 300mm c/s along the line of the hedge, 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. 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 to be planted in centre of hedges, at 30m c/s, staggered along the line of the hedge, 15cm 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 hedge plants for two years after planting, applied according to manufacturer's guidelines. Propyzamide to be used to control weed growth around new hedge plants for two years after planting, applied according to manufacturer's guidelines. Propyzamide to be used to control weed growth around new hedge plants for two years after planting, applied according to manufacturer's guidelines. Propyzamide to be used to control weed growth around new hedge plants for two years after planting, applied according to manufacturer's guidelines.

1971/001A



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



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Review B 23/03/2011 Indicative southern ecological area added

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object **SHELLINGFORD QUARRY - PROPOSED EXTENSION**

PROPOSED RESTORATION SCHEME - EXTENSION AREA

scale Date
1-2500 at A2 **OCTOBER 2016**

Drawing No. 1671/2025

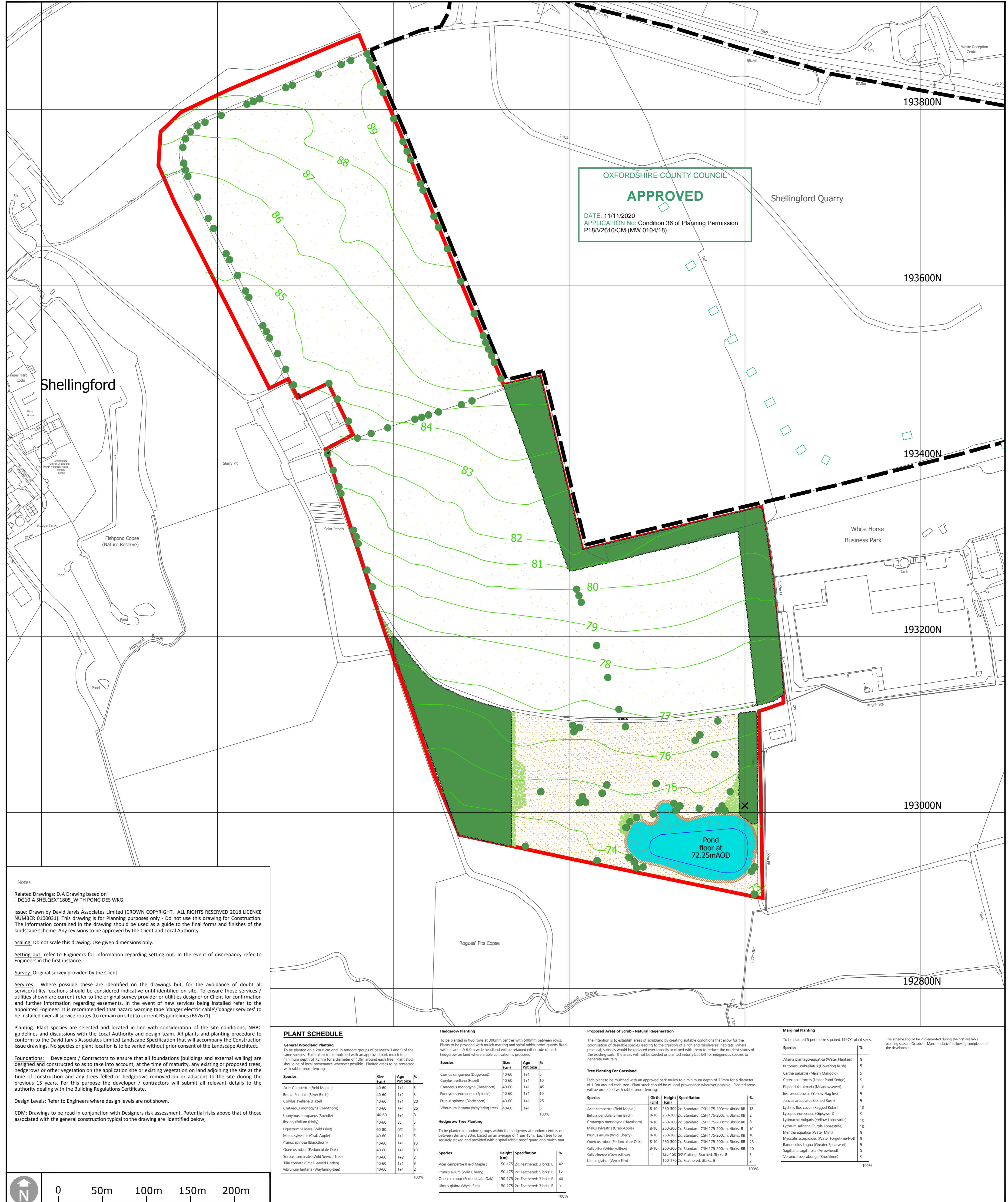
Hedging Species				
Latin Name	English Name	Size	Protection	% of Mix
<i>Crataegus monogyna</i>	Hawthorn	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	50%
<i>Prunus spinosa</i>	Blackthorn	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	20%
<i>Viburnum 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%

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

Woodland Planting				
Latin Name	English Name	Size	Protection	% of
<i>Acer campestre</i>	Field maple	60-90cm bare root whip	1.2m Tubex Treeshelter + hardwood stake	100
<i>Carpinus betulus</i>	Hornbeam	60-90cm bare root whip	1.2m Tubex Treeshelter + hardwood stake	100
<i>Fraxinus excelsior</i>	Common ash	60-90cm bare root whip	1.2m Tubex Treeshelter + hardwood stake	200
<i>Quercus petraea</i>	Sessile oak	60-90cm bare root whip	1.2m Tubex Treeshelter + hardwood stake	100
<i>Quercus robur</i>	English oak	60-90cm bare root whip	1.2m Tubex Treeshelter + hardwood stake	200
<i>Cornus sanguinea</i>	Common dogwood	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	50
<i>Corylus avellana</i>	Hazel	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	50
<i>Euonymus europaeus</i>	Spindle	40-60cm bare root transplant	60cm clear plastic spiral guard + 75cm cane	50
<i>Ilex aquifolium</i>	Holly	Container grown, 2 litre pot	60cm Tubex Shrubshelter + hardwood stake	50

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

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.



Notes
 Related Drawings: DJA Drawing based on
 - DG10-A-SHELFQEXT1805_WITH POND DES WKG

Issue: Drawn by David Jarvis Associates Limited (CROWN COPYRIGHT. ALL RIGHTS RESERVED 2018 LICENCE NUMBER 01000031). This drawing is for Planning purposes only - Do not use this drawing for Construction. The information contained in the drawing should be used as a guide to the final forms and finishes of the landscape scheme. Any revisions to be approved by the Client and Local Authority

Scaling: Do not scale this drawing. Use given dimensions only.

Setting out: refer to Engineers for information regarding setting out. In the event of discrepancy refer to Engineers in first instance.

Survey: Original survey provided by the Client.

Services: Where possible these are identified on the drawings but, for the avoidance of doubt all service/utility locations should be considered indicative until identified on site. To ensure those services / utilities shown are current refer to the original survey provided by the Client for confirmation and further information regarding easements. In the event of new services being installed refer to the appointed Engineer. It is recommended that hazard warning tape ('danger electric cable')/danger services' to be installed over all service routes (to remain on site) to current BS guidelines (BS7671).

Planting: Plant species are selected and located in line with consideration of the site conditions, NHBC guidelines and discussions with the Local Authority and design team. All planting and planting procedure to conform to the David Jarvis Associates Limited Landscape Specification that will accompany the Construction issue drawings. No species or plant location is to be varied without prior consent of the Landscape Architect.

Foundations: Developers / Contractors to ensure that all foundations (buildings and external walling) are designed and constructed so as to take into account, at the time of maturity, any existing or proposed trees, hedgerows or other vegetation on the application site or existing vegetation on land adjoining the site at the time of construction and any trees felled or hedgerows removed on or adjacent to the site during the previous 15 years. For this purpose the developer / contractors will submit all relevant details to the authority dealing with the Building Regulations Certificate.

Design Levels: Refer to Engineers where design levels are not shown.

CDM: Drawings to be read in conjunction with Designers risk assessment. Potential risks above that of those associated with the general construction typical to the drawing are identified below;

PLANT SCHEDULE			
General Woodland Planting			
To be planted on a 2m x 2m grid, in random groups of between 3 and 9 of the same species. Each plant to be mulched with an approved bark mulch to a minimum depth of 75mm for a diameter of 1.0m around each tree. Plant stock should be local provenance wherever possible. Planted areas to be protected with rabbit proof fencing.			
Species	Size (cm)		Age
Species	Size (cm)		Pot Size
Cornus sanguinea (Dogwood)	40-60		1+1
Cornus avellana (Hazel)	40-60		5
Betula pendula (Silver Birch)	40-60		1+1
Corylus avellana (Hazel)	40-60		20
Crataegus monogyna (Hawthorn)	40-60		1+1
Euonymus europaeus (Spindle)	40-60		25
Ilex aquifolium (Holly)	40-60		3
Lonicera xylosteum (Wild Privet)	40-60		5
Malus sylvestris (Crab Apple)	40-60		1+1
Prunus avium (Wild Cherry)	40-60		5
Prunus domestica (Plum)	40-60		1+1
Quercus robur (Pedunculate Oak)	40-60		10
Quercus cerris (Turkey Oak)	40-60		1+1
Sorbus terminalis (White Service Tree)	40-60		10
Tilia cordata (Small-leaved Linden)	40-60		1+1
Viburnum lantana (Wayfaring tree)	40-60		2
100%			

Hedgerow Planting			
To be planted in two rows at 300mm centres, with 500mm between rows. Plants to be provided with mulch matting and spiral rabbit proof guards fixed with a cane. A 6.0m wide headland will be retained either side of each hedgerow on land where arable cultivation is proposed.			
Species	Size (cm)		Age
Species	Size (cm)		Pot Size
Cornus sanguinea (Dogwood)	40-60		1+1
Cornus avellana (Hazel)	40-60		5
Betula pendula (Silver Birch)	40-60		1+1
Corylus avellana (Hazel)	40-60		20
Crataegus monogyna (Hawthorn)	40-60		1+1
Euonymus europaeus (Spindle)	40-60		25
Ilex aquifolium (Holly)	40-60		3
Lonicera xylosteum (Wild Privet)	40-60		5
Malus sylvestris (Crab Apple)	40-60		1+1
Prunus avium (Wild Cherry)	40-60		5
Prunus domestica (Plum)	40-60		1+1
Quercus robur (Pedunculate Oak)	40-60		10
Quercus cerris (Turkey Oak)	40-60		1+1
Sorbus terminalis (White Service Tree)	40-60		10
Tilia cordata (Small-leaved Linden)	40-60		1+1
Viburnum lantana (Wayfaring tree)	40-60		2
100%			

Proposed Areas of Scrub - Natural Regeneration			
The intention is to establish areas of scrubland by creating suitable conditions that allow for the colonisation of desirable species leading to the creation of a rich and biodiverse habitats. Where practical, subsoils would be replaced over topsoil or mixed with them to reduce the nutrient status of the existing soils. The areas will be protected or planted initially but left for indigenous species to generate naturally.			
The areas will be protected with rabbit proof fencing.			

Marginal Planting			
To be planted to per metre squared. 195CC plant sizes.			
Species	%		
Alstroemeria plantaginea (Water Plantain)	5		
Butomus umbellatus (Flowering Rush)	5		
Caltha palustris (Marsh Marigold)	5		
Carex acutiformis (Lesser Pond Sedge)	5		
Filipendula ulmaria (Meadow Sweet)	10		
Inula pseudoscoria (Yellow Ragwort)	5		
Junco articulatus (Jointed Rush)	5		
Lycium flexu-caulis (Ragged Robin)	10		
Lycopus europaeus (Giant Waterplantain)	5		
Lythrum salicaria (Purple Loosestrife)	10		
Merluca aquatica (Water Mint)	5		
Myosotis scorpioides (Water Forget-me-not)	5		
Ranunculus lingua (Greater Spearwort)	5		
Sagittaria sagittifolia (Arrowhead)	5		
Veronica beccabunga (Brooklime)	5		
100%			

The scheme should be implemented during the first available planting season (October - March inclusive) following completion of the development.

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