

**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%      |

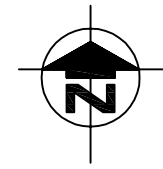
Hedgerow trees to be planted in centre of hedgeline at 30m c/s (except alongside the A417 where the trees will be at 15m c/s), with change of species every 3-5 trees and 500mm clear space with no hedge plants around each tree. Trees to be pit planted, ensuring that all roots are below the surface before 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 Treeshelter + hardwood stake     | 10%      |
| <i>Carpinus betulus</i>   | Hornbeam       | 60-90cm bare root whip       | 1.2m Tubex Treeshelter + hardwood stake     | 10%      |
| <i>Fraxinus excelsior</i> | Common ash     | 60-90cm bare root whip       | 1.2m Tubex Treeshelter + hardwood stake     | 20%      |
| <i>Quercus petraea</i>    | Sessile oak    | 60-90cm bare root whip       | 1.2m Tubex Treeshelter + hardwood stake     | 10%      |
| <i>Quercus robur</i>      | English oak    | 60-90cm bare root whip       | 1.2m Tubex Treeshelter + 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 treeshelters, 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

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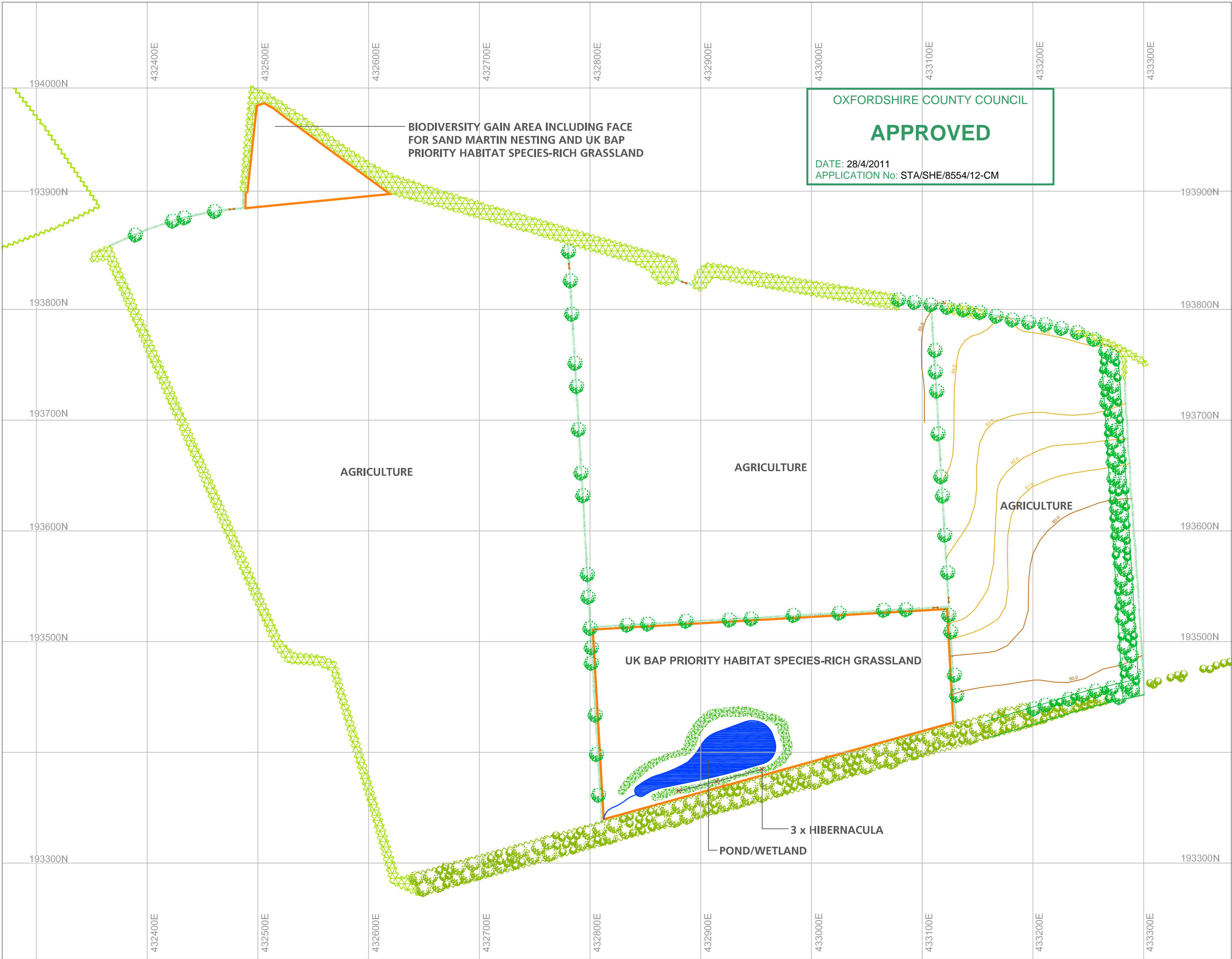
Client  
**MULTI-AGG LTD.**

Project  
**SHELLINGFORD QUARRY - PROPOSED EXTENSION**

Drawing Title  
**PROPOSED RESTORATION SCHEME - MAIN QUARRY**

|                     |                     |
|---------------------|---------------------|
| Scale               | Date                |
| <b>1:2500 at A2</b> | <b>OCTOBER 2010</b> |
| Drawing No.         | <b>1971/001A</b>    |





**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

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PROPOSED BIODIVERSITY GAIN AREA

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Revision

- Rev B 23/03/2011 Indicative southern ecological area added
- Rev A 09/12/2010 Amendments as requested by MPA and client

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Client  
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Project

**SHELLINGFORD QUARRY - PROPOSED EXTENSION**

Drawing Title

**PROPOSED RESTORATION SCHEME - EXTENSION AREA**

|                     |                     |
|---------------------|---------------------|
| Scale               | Date                |
| <b>1:2500 at A2</b> | <b>OCTOBER 2010</b> |
| Drawing No.         | <b>1971/002B</b>    |

| Hedging Species           |                |                              |   |          |
|---------------------------|----------------|------------------------------|---|----------|
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| <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%      |

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

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| Woodland Planting         |                |                              |   |          |
|---------------------------|----------------|------------------------------|---|----------|
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