# A1 in Northumberland: Morpeth to Ellingham

## Scheme Number: TR010059

## 6.31 Landscape Mitigation Masterplan Part A for Change Request

Rule 8(1)(c)

Planning Act 2008

Infrastructure Planning (Examination Procedure) Rules 2010

March 2021

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning (Examination Procedure) Rules 2010**

# The A1 in Northumberland: Morpeth to Ellingham

Development Consent Order 20[xx]

## Landscape Mitigation Masterplan Part A for Change Request

| | |
|---|---|
| **Rule Reference:** | 8(1)(c) |
| **Planning Inspectorate Scheme Reference:** | TR010059 |
| **Doc Reference:** | 6.31 |
| **Author:** | A1 in Northumberland: Morpeth to Ellingham Project Team, Highways England |

| Version | Date | Status of Version |
|---|---|---|
| Rev 3 | March 2021 | Deadline 4 |

DO NOT SCALE

Millimetres 0 10 100

EFB / LE. 2.1
Replacement woodland planting

EFA/LE.4.3

EFA / LE. 2.2

EFA/ LE.4.4

10000 10100 10200 10300 10400 10500 10600 10700 10800 10900

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich ( or Conservation) grassland
LE 2.1 - Woodland
LE 2.2 - Woodland Edge
LE 2.4 - Linear Belts of Shrubs and Trees
LE 2.5 - Shrubs with Intermittent Trees
LE 2.6 - Shrubs
LE 2.7 - Scattered Trees
LE 4.3 - Native Species Hedgerows
LE 4.4 - Native Hedgerows with Trees
LE 5.1 - Individual Trees
LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

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Existing habitats to be retained
Proposed hedgerow - essential mitigation
Proposed amenity grassland
Swale/Marginal planting / wetland
Proposed Temporary Boundary
Anti reflective fencing
Proposed shrub - ecological mitigation
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
Proposed woodland
Proposed `Coronation Avenue` trees
Grass verge / central reservations
Vehicle Restraint Sytem
2m Proposed Fence
Woodland Creation Area
Proposed individual trees
Arable field margins
Proposed Great Crested Newt Pond
Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 7 | 29.08.2019 | Update to Key | GH | AW | NM | |
| 6 | 05.06.2019 | Update to landscape hatches | CM | CH | NM | |
| 5 | 25.03.2019 | Update to Key | CL | CH | | |
| 4 | 21.03.2019 | Update to highways layout | CL | CH | | |
| 3 | 19.03.2019 | Update to landscape hatches | CL | CH | | |
| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information
Status: S1

Client: highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 1 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: 6.2
Section | Type | ID | Direction | Type | Role | Number: M2F
Revision: P09
PW Stage Code

DO NOT SCALE

Millimetres 100 10 0

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich ( or Conservation) grassland
LE 2.1 - Woodland
LE 2.2 - Woodland Edge
LE 2.4 - Linear Belts of Shrubs and Trees
LE 2.5 - Shrubs with Intermittent Trees
LE 2.6 - Shrubs
LE 2.7 - Scattered Trees
LE 4.3 - Native Species Hedgerows
LE 4.4 - Native Hedgerows with Trees
LE 5.1 - Individual Trees
LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

EFD / LE.1.3

EFD / LE.1.3

EFA / EFB/ LE.4.3

EFE / LE.5.1
Replacement trees within grass verge along Coronation Avenue

10900 11000 11100 11200 11300 11400 11500 11600 11700

EFB/ LE.1.1

EFA/ EFB/ LE.4.3

EFG

EFA/ LE.2.2

EFE/ LE.5.1

EFA/ LE 2.2
Woodland edge to infill retained woodland

EFB/ LE.4.3

EFB/ LE.1.1

EFA/ LE.4.4

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Existing habitats to be retained
Proposed hedgerow - essential mitigation
Proposed amenity grassland
Swale/Marginal planting / wetland
Proposed Temporary Boundary
Anti reflective fencing
Proposed shrub - ecological mitigation
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
2m Proposed Fence
Proposed woodland
Proposed `Coronation Avenue` trees
Grass verge / central reservations
Vehicle Restraint Sytem
Woodland Creation Area
Proposed individual trees
Arable field margins
Proposed Great Crested Newt Pond
Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
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| 6 | 05.06.2019 | Update to landscape hatches | CM | CH | NM | |
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| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information
Status: S1

Client: highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 2 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: 6.2
Section | Type | ID | Direction: M2F | Type | Role | Number

Revision: P09
PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

EFA / LE.2.1
EFA / LE.2.1
EFB / LE.1.3
EFB / LE.1.3
EFA/ EFB/ LE.4.3
EFE/ LE.5.1
Topsoil Storage Location 2 - Highlaws Junction - 15000m$^3$
EFB / LE.1.3
Bund 2
Bund 1
EFE / LE.5.1
Replacement trees within grass verge along Coronation Avenue
EFB / LE.2.7
EFA/ LE.4.3
EFD / LE.1.3
EFE/ LE.5.1
EFB/ LE.4.3
EFA/ EFB/ LE.4.3
EFA/ EFB/ LE.4.3
EFE/ LE.5.1
EFD/ LE.2.6
EFA/ EFB/ LE.4.3
EFB / LE.4.3
EFB/ LE.1.3
Bund 3
EFB/ LE.1.3
EFA/ LE.2.1
EFA/ LE.2.1
EFB/ LE.1.3
EFH/ LE.6.1
EFB/ LE.4.3

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich ( or Conservation) grassland
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LE 2.6 - Shrubs
LE 2.7 - Scattered Trees
LE 4.3 - Native Species Hedgerows
LE 4.4 - Native Hedgerows with Trees
LE 5.1 - Individual Trees
LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

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Existing habitats to be retained
Proposed hedgerow - essential mitigation
Proposed amenity grassland
Swale/Marginal planting / wetland
Proposed Temporary Boundary
Anti reflective fencing
Proposed shrub - ecological mitigation
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
2m Proposed Fence
Proposed woodland
Proposed `Coronation Avenue` trees
Grass verge / central reservations
Vehicle Restraint Sytem
Woodland Creation Area
Proposed individual trees
Arable field margins
Proposed Great Crested Newt Pond
Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
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| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information
Status: S1

Client: highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 3 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: 6.2
Section | Type | ID | Direction | Type | Role | Number: M2F
Revision: P09
PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

EFA/ EFB/ LE.4.3

Return to pasture

EFD / LE.1.3

EFB/ LE.4.3

EFD/ LE.1.3

EFE/ LE.5.1

EFB/ EFD/ LE. 1.3

EFA/ LE.4.3

EFB/ EFD/ LE. 1.3

EFA/EFB/ LE. 4.3

Return to pasture

EFB/ LE.4.3

EFE/ LE.5.1

EFB/ LE.4.3

EFD/ LE.1.3

Return to pasture

EFA/ EFB/ LE.4.3

EFB/ LE.2.1

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

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EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

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LANDSCAPE ELEMENTS:
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0m 20m 50m 100m 150m

N

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Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
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| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information

Status: S1

Client: highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 4 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number: Project HE551459 | Originator WSP | Volume 6.2 | Revision P09

M2F

Section | Type | ID | Direction | Type | Role | Number

PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

EFB/ LE.4.3
EFA/ EFB/ LE.4.3
EFE/ LE.5.1
EFA/ EFB/ LE.4.3
EFB/ EFD/ LE.1.3
EFA/ LE.2.1
EFH/ LE.6.1
EFD/ LE.1.3
EFA/ LE.2.1
EFB /LE. 4.3
EFB /LE. 2.1
EFB / LE.2.7
EFA/ LE.2.1
EFB/ LE.4.3
EFB/ LE.2.1
EFB/ LE.2.1
EFB/ LE.2.1
EFA/ EFB/ LE.4.3
EFA/ EFB/ LE.2.7
EFD/ LE.2.6
EFB/ LE.2.1
EFB/ LE.4.3
EFH/ LE.6.1

Bund 4
Bund 5

13200 13300 13400 13500 13600 13700 13800 13900 14000 14100

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
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EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

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LE 6.2 - Banks and Ditches
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LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

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Existing habitats to be retained
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Arable field margins
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Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
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| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | KS |

Suitability: For Information
Status: S1

Client: highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 5 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: M2F
Section | Type | ID | Direction | Type | Role | Number
Revision: P09
PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

Return land to Agriculture

EFD/ LE.1.3

EFA/ EFB/ LE.4.4

EFB/ LE.2.1

EFB/ LE.2.1

EFA/ LE.2.1

EFB/ LE.2.7

EFD/ LE.1.3

Bund 5

Bund 6

13900

14000

14100

14200

14300

14400

14600

14700

14800

EFA/ EFB/ LE.4.3

FED/ LE.1.3

EFB/ LE.2.7

EFB/ LE.2.1

EFA/ EFB/ LE.4.3

EFD/ LE.1.3

EFH/ LE.6.1

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

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(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

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E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

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0m 20m 50m 100m 150m

N

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Woodland Creation Area
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Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
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| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information

Status: S1

Client: highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 6 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number: Project HE551459 | Originator WSP | Volume 6.2 | Revision P09

M2F

Section | Type | ID | Direction | Type | Role | Number

PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

Return land to Agriculture
EFB/ LE.4.3
EFD/ LE.1.3
Return land to Agriculture
EFA/ EFB/ LE.4.4
EFB / EFD/ LE.1.3
EFA / LE.2.1
EFA/ LE.2.1
EFA/ EFB / LE.4.3
EFD/ LE.1.3
EFD/ LE.1.3
Site Compound Area - Fenrother Junction
Return to Agriculture
Topsoil Storage Location 3 - Fenrother West - 15000m$^3$
Bund 8
Bund 9
EFB/ LE.4.3
Topsoil Storage Location 4 - Fenrother East - 12000m$^3$
EFD/ LE.1.3
EFH/ LE.6.1
EFD/ LE.1.3
EFH/ LE.6.1
EFB / LE.4.3
EFA/ EFD/ LE.2.1
EFA/ EFB/ LE.4.3
EFA/ EFB / LE.2.1
EFA/ EFB/ LE.4.3
EFA/ EFB/ LE.2.1
EFE/ LE.1.1
EFA/ LE.1.3
EFD/ LE.1.3
Bund 7
EFA / LE.4.3
EFA/ EFB/ LE.2.1
EFE/ LE.1.1
EFB/ LE.4.4

15200 15100 15000 14900 14800 14700

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich ( or Conservation) grassland
LE 2.1 - Woodland
LE 2.2 - Woodland Edge
LE 2.4 - Linear Belts of Shrubs and Trees
LE 2.5 - Shrubs with Intermittent Trees
LE 2.6 - Shrubs
LE 2.7 - Scattered Trees
LE 4.3 - Native Species Hedgerows
LE 4.4 - Native Hedgerows with Trees
LE 5.1 - Individual Trees
LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

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Existing habitats to be retained
Proposed hedgerow - essential mitigation
Proposed amenity grassland
Swale/Marginal planting / wetland
Proposed Temporary Boundary
Anti reflective fencing
Proposed shrub - ecological mitigation
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
2m Proposed Fence
Proposed woodland
Proposed `Coronation Avenue` trees
Grass verge / central reservations
Vehicle Restraint Sytem
Woodland Creation Area
Proposed individual trees
Arable field margins
Proposed Great Crested Newt Pond
Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 7 | 29.08.2019 | Update to Key | GH | AW | NM | |
| 6 | 05.06.2019 | Update to landscape hatches | CM | CH | NM | |
| 5 | 25.03.2019 | Update to Key | CL | CH | | |
| 4 | 21.03.2019 | Update to highways layout | CL | CH | | |
| 3 | 19.03.2019 | Update to landscape hatches | CL | CH | | |
| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information
Status: S1

Client

highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 7 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: 6.2
Section | Type | ID | Direction | Type | Role | Number: M2F

Revision: P09
PW Stage Code

DO NOT SCALE

Millimetres 100 10 0

Topsoil Storage Location 3 - Fenrother West - 15000m³

EFB/ LE.4.3

Return to Agriculture

EFA/ LE.4.3

Return to Agriculture

EFD/ LE.1.3

EFG

EFD/ LE.1.3

EFD/ LE.1.3

EFA/ LE.4.4

EFB/EFD/ LE.4.4

Site Compound Area - Fenrother Junction

Topsoil Storage Location 4 - Fenrother East - 12000m³

Topsoil Stora Location 5 - Earsdon Moo Farm - 15000

EFG/ E 1.3

EFA/EFD/LE 2.1

EFD/E3.1 Barn Owl Mitigation

15100 15200 15300 15400 15500 15600 15700 15800 15900 16000

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich ( or Conservation) grassland
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LE 2.5 - Shrubs with Intermittent Trees
LE 2.6 - Shrubs
LE 2.7 - Scattered Trees
LE 4.3 - Native Species Hedgerows
LE 4.4 - Native Hedgerows with Trees
LE 5.1 - Individual Trees
LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

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Existing habitats to be retained
Proposed hedgerow - essential mitigation
Proposed amenity grassland
Swale/Marginal planting / wetland
Proposed Temporary Boundary
Anti reflective fencing
Proposed shrub - ecological mitigation
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
2m Proposed Fence
Proposed woodland
Proposed `Coronation Avenue` trees
Grass verge / central reservations
Vehicle Restraint Sytem
Woodland Creation Area
Proposed individual trees
Arable field margins
Proposed Great Crested Newt Pond
Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 7 | 29.08.2019 | Update to Key | GH | AW | NM | |
| 6 | 05.06.2019 | Update to landscape hatches | CM | CH | NM | |
| 5 | 25.03.2019 | Update to Key | CL | CH | | |
| 4 | 21.03.2019 | Update to highways layout | CL | CH | | |
| 3 | 19.03.2019 | Update to landscape hatches | CL | CH | | |
| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information

Status: S1

Client: highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 8 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: 6.2
Section | Type | ID | Direction | Type | Role | Number: M2F

Revision: P09

PW Stage Code

DO NOT SCALE

Millimetres 100 10 0

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich ( or Conservation) grassland
LE 2.1 - Woodland
LE 2.2 - Woodland Edge
LE 2.4 - Linear Belts of Shrubs and Trees
LE 2.5 - Shrubs with Intermittent Trees
LE 2.6 - Shrubs
LE 2.7 - Scattered Trees
LE 4.3 - Native Species Hedgerows
LE 4.4 - Native Hedgerows with Trees
LE 5.1 - Individual Trees
LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

EFB/ 4.3
EFG
EFD/ LE 2.1 & E 3.1
Barn Owl Mitigation
Bund 13
EFA / EFD / LE 2.1
EFD/LE.1.3
EFB/ LE 4.3
EFB / LE. 4.3
EFD/LE 1.3
EFA/EFD/2.1
EFD/E.3.1
Barn Owl Mitigation
Bund 12
Topsoil Storage
Location 5 -
Earsdon Moor
Farm - 15000m$^3$
Bund 10
EFA/EFB LE 4.3
EFD/ LE 1.3
EFD/ LE 1.3
Bund 11
EFD/E.3.1 -
Barn Owl Mitigation
EFA/EFD/LE 2.1
EFG/ E 1.3
EFA/EFD/ LE 2.1 & E 3.1 Barn Owl
Mitigation

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Existing habitats to be retained
Proposed hedgerow - essential mitigation
Proposed amenity grassland
Swale/Marginal planting / wetland
Proposed Temporary Boundary
Anti reflective fencing
Proposed shrub - ecological mitigation
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
2m Proposed Fence
Proposed woodland
Proposed `Coronation Avenue` trees
Grass verge / central reservations
Vehicle Restraint Sytem
Woodland Creation Area
Proposed individual trees
Arable field margins
Proposed Great Crested Newt Pond
Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 7 | 29.08.2019 | Update to Key | GH | AW | NM | |
| 6 | 05.06.2019 | Update to landscape hatches | CM | CH | NM | |
| 5 | 25.03.2019 | Update to Key | CL | CH | | |
| 4 | 21.03.2019 | Update to highways layout | CL | CH | | |
| 3 | 19.03.2019 | Update to landscape hatches | CL | CH | | |
| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information
Status: S1

Client

highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 9 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: 6.2
Section | Type | ID | Direction | Type | Role | Number: M2F
Revision: P09
PW Stage Code

DO NOT SCALE

Millimetres 100 10 0

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich ( or Conservation) grassland
LE 2.1 - Woodland
LE 2.2 - Woodland Edge
LE 2.4 - Linear Belts of Shrubs and Trees
LE 2.5 - Shrubs with Intermittent Trees
LE 2.6 - Shrubs
LE 2.7 - Scattered Trees
LE 4.3 - Native Species Hedgerows
LE 4.4 - Native Hedgerows with Trees
LE 5.1 - Individual Trees
LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

EFD/E.3.1
Barn Owl Mitigation

EFH/LE.6.1

EFB/LE 2.7

EFA/EFD/2.1

Land returned to agriculture

EFB/LE 4.3

EFA/LE 2.1

EFD/ LE 1.3

EFA/ EFB/ LE 4.4

EFG

EFA/EFB/LE 4.3

EFD/ LE 1.3

Bund 12

95

90

16700

16800

16900

17000

17100

17200

17300

17400

17500

17600

EFA/EFB/LE 4.4

EFD/LE 1.3

EFB/LE 2.7

96

90

Bund 11

Land returned to agriculture

EFB/LE 2.7

EFD/LE 1.3

Land returned to agriculture

EFA/ EFB/ LE 4.3

LEA/ EFB/ LE 4.4

EFB/LE 4.3

EFD/ LE 1.3

EFD/E.3.1 -
Barn Owl Mitigation

EFH/ LE 6.1

EFD/ LE 1.3

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Existing habitats to be retained
Proposed hedgerow - essential mitigation
Proposed amenity grassland
Swale/Marginal planting / wetland
Proposed Temporary Boundary
Anti reflective fencing
Proposed shrub - ecological mitigation
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
Proposed woodland
Proposed `Coronation Avenue` trees
Grass verge / central reservations
Vehicle Restraint Sytem
2m Proposed Fence
Woodland Creation Area
Proposed individual trees
Arable field margins
Proposed Great Crested Newt Pond
Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 7 | 29.08.2019 | Update to Key | GH | AW | NM | |
| 6 | 05.06.2019 | Update to landscape hatches | CM | CH | NM | |
| 5 | 25.03.2019 | Update to Key | CL | CH | | |
| 4 | 21.03.2019 | Update to highways layout | CL | CH | | |
| 3 | 19.03.2019 | Update to landscape hatches | CL | CH | | |
| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information
Status: S1

Client

highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 10 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: 6.2
Section | Type | ID | Direction | Type | Role | Number: M2F
Revision: P09
PW Stage Code

DO NOT SCALE

Millimetres 100 10 0

EFD/LE 1.3
EFD/LE 1.3
EFA/LE 2.1
EFB/LE 4.3
EFB/LE 4.3
EFA/LE 2.1

Topsoil Storage Location 6 - Causey Park West - 15000m$^3$

EFA/EFB / LE 4.3
EFD/LE 1.3
EFD/LE 1.3

EFH/LE 6.1
EFD/LE 1.3
EFD/LE.2.6

17500 17600 17700 17800 17900 18000 18100 18200 18300 18400

EFB/LE 2.7
EFD/LE 1.3
EFA/LE 2.1
EFB/LE 4.3
EFD/LE 1.3
EFA/LE 2.1
EFB/LE 4.3
EFD/LE 1.3

EFD/LE 1.3
EFD/LE 1.3
EFA/EFB/LE 4.3
EFD/LE 1.3

EFD/LE 2.6

Topsoil Storage Location 7 - Causey Park East - 12000m$^3$

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich ( or Conservation) grassland
LE 2.1 - Woodland
LE 2.2 - Woodland Edge
LE 2.4 - Linear Belts of Shrubs and Trees
LE 2.5 - Shrubs with Intermittent Trees
LE 2.6 - Shrubs
LE 2.7 - Scattered Trees
LE 4.3 - Native Species Hedgerows
LE 4.4 - Native Hedgerows with Trees
LE 5.1 - Individual Trees
LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

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Existing habitats to be retained
Proposed hedgerow - essential mitigation
Proposed amenity grassland
Swale/Marginal planting / wetland
Proposed Temporary Boundary
Anti reflective fencing
Proposed shrub - ecological mitigation
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
2m Proposed Fence
Proposed woodland
Proposed `Coronation Avenue` trees
Grass verge / central reservations
Vehicle Restraint Sytem
Woodland Creation Area
Proposed individual trees
Arable field margins
Proposed Great Crested Newt Pond
Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 7 | 29.08.2019 | Update to Key | GH | AW | NM | |
| 6 | 05.06.2019 | Update to landscape hatches | CM | CH | NM | |
| 5 | 25.03.2019 | Update to Key | CL | CH | | |
| 4 | 21.03.2019 | Update to highways layout | CL | CH | | |
| 3 | 19.03.2019 | Update to landscape hatches | CL | CH | | |
| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information
Status: S1

Client: highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 11 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: 6.2
Section | Type | ID | Direction | Type | Role | Number: M2F
Revision: P09
PW Stage Code

DO NOT SCALE

Millimetres 100 10 0

EFH/LE 6.1

EFD/LE.2.6

Return land to Agriculture

EFD/LE 1.3

EFA/EFB / LE 4.3

EFD/LE 1.3

EFD/LE 1.3

EFH/LE 6.2

EFD/LE 2.6

18300 18400 18500 18600 18700 18800 18900 19000 19100 19200

EFD/LE 2.6

Return land to Agriculture

EFD/LE 1.3

EFA/EFB/LE 4.3

EFD/LE 1.3

EFD/LE 2.6

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

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LE 1.3 - Species Rich ( or Conservation) grassland
LE 2.1 - Woodland
LE 2.2 - Woodland Edge
LE 2.4 - Linear Belts of Shrubs and Trees
LE 2.5 - Shrubs with Intermittent Trees
LE 2.6 - Shrubs
LE 2.7 - Scattered Trees
LE 4.3 - Native Species Hedgerows
LE 4.4 - Native Hedgerows with Trees
LE 5.1 - Individual Trees
LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

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Existing habitats to be retained
Proposed hedgerow - essential mitigation
Proposed amenity grassland
Swale/Marginal planting / wetland
Proposed Temporary Boundary
Anti reflective fencing
Proposed shrub - ecological mitigation
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
2m Proposed Fence
Proposed woodland
Proposed `Coronation Avenue` trees
Grass verge / central reservations
Vehicle Restraint Sytem
Woodland Creation Area
Proposed individual trees
Arable field margins
Proposed Great Crested Newt Pond
Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 7 | 29.08.2019 | Update to Key | GH | AW | NM | |
| 6 | 05.06.2019 | Update to landscape hatches | CM | CH | NM | |
| 5 | 25.03.2019 | Update to Key | CL | CH | | |
| 4 | 21.03.2019 | Update to highways layout | CL | CH | | |
| 3 | 19.03.2019 | Update to landscape hatches | CL | CH | | |
| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information

Status: S1

Client: highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 12 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number: Project HE551459 | Originator WSP | Volume 6.2 | Section | Type | ID | Direction M2F | Type | Role | Number

Revision: P09

PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

EFD/E 3.1 - Great Crested Newt - Habitat Creation (to include ponds)

EFB / EFD / LE 2.1

EFB/EFD / LE 2.1 & E 3.1

EFA / LE 2.1

EFB/EFD/LE 2.1 & E 3.1

EFD / LE 1.3

EFB / LE 4.3

EFA / LE 2.1

EFB/LE 4.3

EFB/LE 4.3

EFB/ LE 2.1

EFD/ LE 2.6

EFA/ EFB/ LE 4.3

EFD/LE 1.3

EFA/ LE 2.1

EFD/LE 1.3

EFA/LE 2.1

EFA/LE 2.1

EFA/LE 2.1

EFD/LE 2.6

EFE/LE 1.3

EFA/EFB/LE 4.3

Topsoil Storage Location 8 - Burgham Park - 15000m$^3$

EFG

EFD/LE 2.6

EFB/LE 4.3

EFB/LE 4.3

EFH/ LE 6.1

EFA/LE 2.1

EFA/LE 2.1

Anti reflective fencing

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich ( or Conservation) grassland
LE 2.1 - Woodland
LE 2.2 - Woodland Edge
LE 2.4 - Linear Belts of Shrubs and Trees
LE 2.5 - Shrubs with Intermittent Trees
LE 2.6 - Shrubs
LE 2.7 - Scattered Trees
LE 4.3 - Native Species Hedgerows
LE 4.4 - Native Hedgerows with Trees
LE 5.1 - Individual Trees
LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

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Existing habitats to be retained
Proposed hedgerow - essential mitigation
Proposed amenity grassland
Swale/Marginal planting / wetland
Proposed Temporary Boundary
Anti reflective fencing
Proposed shrub - ecological mitigation
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
2m Proposed Fence
Proposed woodland
Proposed `Coronation Avenue` trees
Grass verge / central reservations
Vehicle Restraint Sytem
Woodland Creation Area
Proposed individual trees
Arable field margins
Proposed Great Crested Newt Pond
Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 7 | 29.08.2019 | Update to Key | GH | AW | NM | |
| 6 | 05.06.2019 | Update to landscape hatches | CM | CH | NM | |
| 5 | 25.03.2019 | Update to Key | CL | CH | | |
| 4 | 21.03.2019 | Update to highways layout | CL | CH | | |
| 3 | 19.03.2019 | Update to landscape hatches | CL | CH | | |
| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information
Status: S1

Client: highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 13 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: 6.2
Section | Type | ID | Direction | Type | Role | Number: M2F
Revision: P09
PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

EFA / LE 4.4

EFD / LE 1.3

EFB / LE 4.3

EFD / LE 1.3

EFB / LE 4.3

EFA / LE 2.1

Topsoil Storage Location 9 - Bywell Road - 6000m$^3$

EFB / EFD / LE 1.3

Return land to Agriculture

EFA/ EFB / LE 4.3

20000 20100 20200 20300 20400 20500 20600 20700 20800 20900 21000

EFG

EFD / LE.1.3

EFH / LE.6.1

Anti reflective fencing

EFB/ LE 4.3

EFD/ LE 1.3

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich ( or Conservation) grassland
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LE 2.2 - Woodland Edge
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LE 2.6 - Shrubs
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LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

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Woodland Creation Area
Proposed individual trees
Arable field margins
Proposed Great Crested Newt Pond
Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 7 | 29.08.2019 | Update to Key | GH | AW | NM | |
| 6 | 05.06.2019 | Update to landscape hatches | CM | CH | NM | |
| 5 | 25.03.2019 | Update to Key | CL | CH | | |
| 4 | 21.03.2019 | Update to highways layout | CL | CH | | |
| 3 | 19.03.2019 | Update to landscape hatches | CL | CH | | |
| 2 | 14.03.2019 | Changes in Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information

Status: S1

Client

highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 14 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: 6.2
Section | Type | ID | Direction | Type | Role | Number: M2F

Revision: P09

PW Stage Code

DO NOT SCALE

Millimetres 100 10 0

EFB / LE 4.3

EFH / LE 6.4

EFB/ EFD/ LE 1.3

EFB/ EFD/ LE 5.1

EFB / LE 1.1

Return to Agriculture

EFD/LE 1.3

EFA/LE 2.1

Topsoil Storage Location 10 - West Moor Junction West - 8000m$^3$

EFA / LE 4.4

Anti reflective fencing

EFB/EFD/ LE 1.3

EFB/ LE 2.1

EFA / LE 4.4

EFB / EFD / LE 1.3

2900 2000 2100 2200 2300 2400 2500 2600 2700

Bund 14

Anti reflective fencing

EFA / LE 4.4

EFD/ LE 1.3

EFA / LE 4.3

EFH / LE 6.4

EFB/LE 1.1

EFA / LE 2.1

Return to Agriculture

EFB / LE 1.3

EFB / EFD/ LE 4.3

EFB / EFD/ LE 1.3

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich ( or Conservation) grassland
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LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

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Existing habitats to be retained
Proposed hedgerow - essential mitigation
Proposed amenity grassland
Swale/Marginal planting / wetland
Proposed Temporary Boundary
Anti reflective fencing
Proposed shrub - ecological mitigation
Existing hedgerow to be retained
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Noise barrier
Essential mitigation - earth bund
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Arable field margins
Proposed Great Crested Newt Pond
Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
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| 3 | 19.03.2019 | Update to landscape hatches | CL | CH | | |
| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information

Status: S1

Client: highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 15 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: 6.2
Section | Type | ID | Direction | Type | Role | Number
M2F

Revision: P09

PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

EFD/ LE 2.1 - Woodland Creation Area

Extent of EFD/ LE 2.1 - Woodland Creation Area
Scale 1:5000

EFB/ LE 4.3

Return land to Agriculture

EFD/ LE 2.1 - Woodland Creation Area

21800 21900 22000 22100 22200 22300 22400 22500 22600 22700

EFB / EFD / LE 4.3
EFB / EFA / LE 1.3
EFH / LE 1.3

Topsoil Storage Location 11 - West Moor Junction East - 15000m$^3$

EFB/ LE 4.3

EFB / LE 4.3

EFD / LE 1.3

EFB / LE 2.1

EFH / LE 6.4

EFD / LE 1.3

Main Site Compound Area - West Moor Junction

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
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LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

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Existing habitats to be retained
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| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
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| 4 | 21.03.2019 | Update to highways layout | CL | CH | | |
| 3 | 19.03.2019 | Update to landscape hatches | CL | CH | | |
| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information

Status: S1

Client: highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 16 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number: Project HE551459 | Originator WSP | Volume 6.2 | Section | Type | ID | Direction M2F | Type | Role | Number

Revision: P09

PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

EFD / LE 1.3 / E.3.1
Great Crested Newt
mitigation area

Return land to Agriculture

EFB / LE 1.3

EFD / LE 2.5

22700 22800 22900 23000 23100 23200 23300 23400 23500 23600

60

EFB / LE 2.1

EFB / LE 4.3

EFB / LE 2.1

Topsoil Storage
Location 12 -
Coquet Bridge -
10000m$^3$

EFB / LE 2.1

EFD / LE 2.5

Return land to
Agriculture

EFD/ LE.2.5

EFH/ LE.6.4

EFD/ LE.1.3

Return land
to Agriculture

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich ( or Conservation) grassland
LE 2.1 - Woodland
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LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

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Existing habitats to be retained
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Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
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| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
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| 4 | 21.03.2019 | Update to highways layout | CL | CH | | |
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| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information

Status: S1

Client

highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 17 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: 6.2
Section | Type | ID | Direction | Type | Role | Number: M2F

Revision: P09

PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

23600
23700
23800
23900
23908

ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
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0m 20m 50m 100m 150m

N

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Existing running water
Existing waterbodies
Proposed amended earthwork contours

| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
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| 6 | 05.06.2019 | Update to landscape hatches | CM | CH | NM | |
| 5 | 25.03.2019 | Update to Key | CL | CH | | |
| 4 | 21.03.2019 | Update to highways layout | CL | CH | | |
| 3 | 19.03.2019 | Update to landscape hatches | CL | CH | | |
| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information
Status: S1

Client

highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 18 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number
Project: HE551459
Originator: WSP
Volume: M2F
Section | Type | ID | Direction | Type | Role | Number

Revision: P09
PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

## Indicative Grassland Seed Mixes

| Botanical Name | Common Name |
|---|---|
| *Landscape Element* | Discription |
| *LE.1.1* | Amenity Grass Areas |
| LE1.3 | Species Rich ( or Conservation) grassland |
| LE1.3 | Species Rich ( or Conservation) grassland Arable Field Margins |
| LE1.3 | Species Rich ( or Conservation) grassland Ancient Woodland - understory |
| LE1.3 | Species Rich ( or Conservation) grassland verges / junctions |
| LE6.3 | Marsh an Wet Grassland |
| **Seed mixes based on those supplied by Germinal Seeds.** | |

## Indicative Native Hedgerow Mix

| Botanical Name | Common Name | % Mix |
|---|---|---|
| *Prunus spinosa* | Blackthorn | 30 |
| *Sambucus nigra* | Elder | 5 |
| *Crataegus monogyna* | Haw thorn | 40 |
| *Corylus avellana* | Hazel | 10 |
| *Ilex aquifolium* | Holly | 7.5 |
| *Rosa arvensis* | Field Rose | 5 |
| *Lonicera periclymenum* | Honeysuckle | 2.5 |
| | | |
| *Prunus padus* | Bird Cherry | |
| *Quercus robur* | Common Oak | |
| *Sorbus aucuparia* | Row an | |
| **Total** | | **100%** |

## Indicative Ancient Woodland Replacement Mix

| Botanical Name | Common Name | % Mix |
|---|---|---|
| *Aesculus hippocastanum* | Horse Chestnut | 5 |
| *Fagus sylvatica* | Beech | 15 |
| *Quercus petraea* | Sessile Oak | 10 |
| *Quercus robur* | Common Oak | 10 |
| *Sorbus aucuparia* | Row an | 10 |
| *Betula pendula* | Silver Birch | 10 |
| *Acer campestre* | Field Maple | 7.5 |
| *Sambucus nigra* | Elder | 5 |
| *Prunus avium* | Gean Cherry | 7.5 |
| *Viburnum opulus* | Guelder Rose | 5 |
| *Ilex aquifolium* | Holly | 5 |
| *Corylus avellana* | Hazel | 10 |
| **Total** | | **100%** |

## Indicative Shrubs & Shrubs with Intermittent Trees Mix

| Botanical Name | Common Name | % Mix |
|---|---|---|
| ***Shrubs*** | | |
| *Prunus spinosa* | Blackthorn | 20 |
| *Sambucus nigra* | Elder | 15 |
| *Rosa canina* | Dog Rose | 15 |
| *Acer campestre* | Field Maple | 20 |
| *Corylus avellana* | Hazel | 30 |
| **Feathered Trees** | | |
| *Prunus padus* | Bird Cherry | |
| *Quercus robur* | Common Oak | |
| *Sorbus aucuparia* | Row an | |
| **Total** | | **100%** |

## Indicative Woodland Block Planting Mix

| Botanical Name | Common Name | % Mix |
|---|---|---|
| *Fagus sylvatica* | Beech | 10 |
| *Quercus robur* | Common Oak | 20 |
| *Sorbus aucuparia* | Row an | 10 |
| *Betula pendula* | Silver Birch | 10 |
| *Acer campestre* | Field Maple | 7.5 |
| *Sambucus nigra* | Elder | 5 |
| *Prunus avium* | Gean Cherry | 7.5 |
| *Viburnum opulus* | Guelder Rose | 5 |
| *Ilex aquifolium* | Holly | 5 |
| *Corylus avellana* | Hazel | 10 |
| *Tilia platyphyllos* | Large Leaved Lime | 10 |
| **Total** | | **100%** |

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| Rev. | Date | Description | By | Eng' Ch'k | Disc' Ch'k | App'd |
|---|---|---|---|---|---|---|
| 9 | 11.03.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 8 | 02.02.2021 | Amendments to mitigation strategy | NB | AW | AW | |
| 7 | 29.08.2019 | Update to Key | GH | AW | NM | |
| 6 | 05.06.2019 | Update to landscape hatches | CM | CH | NM | |
| 5 | 25.03.2019 | Update to Key | CL | CH | | |
| 4 | 21.03.2019 | Update to highways layout | CL | CH | | |
| 3 | 19.03.2019 | Update to landscape hatches | CL | CH | | |
| 2 | 14.03.2019 | Changes to Temporary Boundary | FS | CH | | |
| 1 | rv date | Rev 1 description | By | Eng | Disc | |

Suitability: For Information

Status: S1

Client: highways england

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 19 OF 19

| Scale | Drawn | Eng. Check | Approved | Authorised |
|---|---|---|---|---|
| 1:1250 | NB | AW | AW | DM |
| Original Size: A1 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 | Date: 02.02.2021 |

Drawing Number: Project HE551459 | Originator WSP | Volume ES | M2F | Section | Type | ID | Direction | Type | Role | Number

Revision: P09

PW Stage Code

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