A1 in Northumberland: Morpeth to Ellingham

Scheme Number: TR010059

Landscape Mitigation Masterplan - Part A

Rule 8(1)(c)

Planning Act 2008

Infrastructure Planning (Examination Procedure) Rules 2010

January 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]

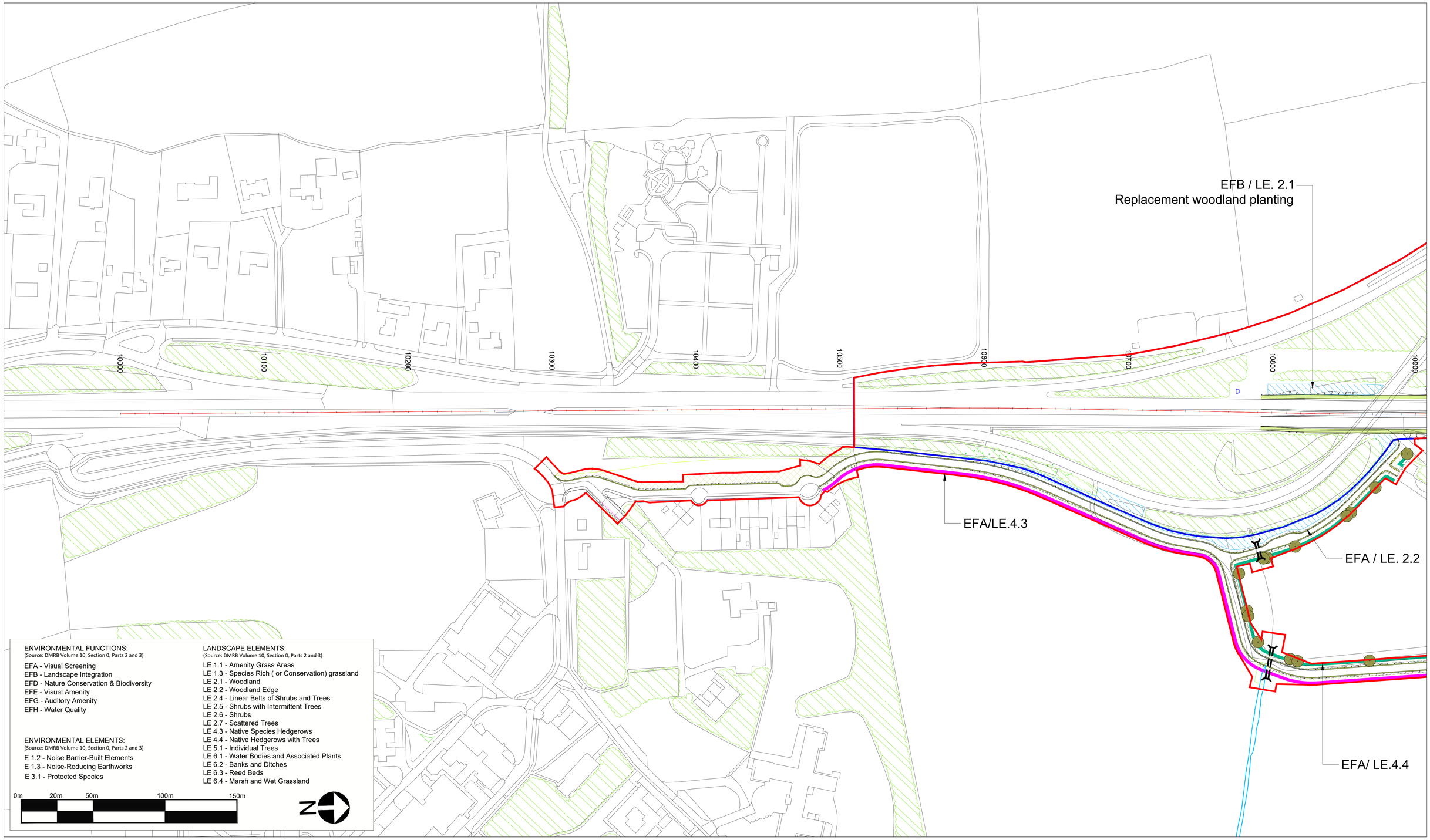
Landscape Mitigation Masterplan - Part A

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 0	February 2021	Deadline 3

DO NOT SCALE

Millimetres 0 10 100



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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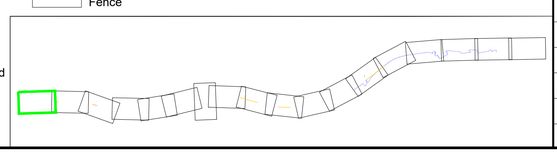
Existing habitats to be retained
Proposed hedgerow - essential mitigation
Proposed amenity grassland
Swale/Marginal planting / wetland
Proposed Temporary Boundary
Anti reflective fencing
Proposed soil bund, slackening of slope or disposal of excess site material
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
Proposed shrub - ecological mitigation
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



Rev.	Date	Description	By	Eng' Ch'k	Disc' Ch'k	App'd
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	
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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 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: P08

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
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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)

LE 1.1 - Amenity Grass Areas
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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 hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
Proposed shrub - ecological mitigation
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

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 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: P08
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

12400 12500 12600 12700 12800 12900 13000 13100 13200 13300 13400

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)

EFA - Visual Screening
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EFD - Nature Conservation & Biodiversity
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EFH - Water Quality

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

E 1.2 - Noise Barrier-Built Elements
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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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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
Section | Type | ID | Direction: M2F | Type | Role | Number

Revision: P08

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. 2.1
EFB /LE. 4.3
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.2.7
EFA/ EFB/ LE.4.3
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)

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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
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LANDSCAPE ELEMENTS:
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LE 6.2 - Banks and Ditches
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0m 20m 50m 100m 150m

N

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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: 6.2
Section | Type | ID | Direction | Type | Role | Number: M2F
Revision: P08
PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

Bund 5

Bund 6

13900

14000

14100

14200

14300

14400

14500

14600

14700

14800

EFB/ LE.2.1

EFA/ LE.2.1

EFB/ LE.2.1

EFB/ LE.2.7

EFD/ LE.1.3

EFD/ LE.1.3

EFA/ EFB/ LE.4.4

Return land to Agriculture

EFA/ EFB/ LE.4.3

FED/ LE.1.3

EFB/ LE.2.7

EFA/ EFB/ LE.4.3

EFB/ LE.2.1

EFD/ LE.1.3

EFH/ LE.6.1

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

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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 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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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 | Section | Type | ID | Direction M2F | Type | Role | Number

Revision: P08

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
EFH/ LE.6.1
EFD/ LE.1.3
EFB / LE.4.3
EFA/ EFD/ LE.2.1
EFA/ EFB/ LE.4.3
EFA/ EFB/ LE.4.3
EFA/ EFB / LE.2.1
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)

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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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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
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Volume: 6.2
Section | Type | ID | Direction | Type | Role | Number: M2F

Revision: P08
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DO NOT SCALE

Millimetres 0 10 100

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ENVIRONMENTAL ELEMENTS:
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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

N

Topsoil Storage Location 3 - Fenrother West - 15000m^3

EFB/ LE.4.3

Return to Agriculture

EFA/ LE.4.3

Return to Agriculture

EFD/ LE.1.3

EFG

15100 15200 15300 15400 15500 15600 15700 15800 15900 16000

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 5 - Earsdon Moor Farm - 15000m

EFG/ E 1.3

EFA/EFD/LE 2.1

EFD/E3.1 Barn Owl Mitigation

Topsoil Storage Location 4 - Fenrother East - 12000m^3

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

Rev.	Date	Description	By	Eng' Ch'k	Disc' Ch'k	App'd
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: P08

PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

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

EFA/EFD/2.1

EFD/LE 1.3

EFB / LE. 4.3

EFD/LE.1.3

EFB/ LE 4.3

EFA / EFD / LE 2.1

EFB/ 4.3

EFD/ LE 2.1 & E 3.1
Barn Owl Mitigation

EFG

Bund 12

Bund 13

15000 16000 16100 16200 16300 16400 16500 16600 16700 16800

Topsoil Storage
Location 5 -
Earsdon Moor
Farm - 15000m^3

Bund 10

Bund 11

EFA/EFB LE 4.3

EFD/ LE 1.3

EFD/ LE 1.3

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 soil bund, slackening of slope or disposal of excess site material
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
Proposed shrub - ecological mitigation
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

Rev.	Date	Description	By	Eng' Ch'k	Disc' Ch'k	App'd
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: P08
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

Bund 12

Land returned to agriculture

EFA/EFB/LE 4.3

EFD/ LE 1.3

EFD/ LE 1.3

EFA/ EFB/ LE 4.4

EFG

EFB/LE 4.3

EFA/LE 2.1

16700

16800

16900

17000

17100

17200

17300

17400

17500

17600

EFA/EFB/LE 4.4

EFD/LE 1.3

EFB/LE 2.7

Bund 11

Land returned to agriculture

EFD/LE 1.3

EFB/LE 2.7

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 soil bund, slackening of slope or disposal of excess site material
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
Proposed shrub - ecological mitigation
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

Rev.	Date	Description	By	Eng' Ch'k	Disc' Ch'k	App'd
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: P08
PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

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
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
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 soil bund, slackening of slope or disposal of excess site material
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
Proposed shrub - ecological mitigation
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

Rev.	Date	Description	By	Eng' Ch'k	Disc' Ch'k	App'd
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 | M2F
Section | Type | ID | Direction | Type | Role | Number
Revision: P08
PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

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)

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 soil bund, slackening of slope or disposal of excess site material
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
Proposed shrub - ecological mitigation
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

Rev.	Date	Description	By	Eng' Ch'k	Disc' Ch'k	App'd
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 M2F | Direction | Type | Role | Number

Revision: P08

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 & E 3.1

EFB/EFD/LE 2.1 & E 3.1

EFD / LE 1.3

EFB / LE 4.3

EFA / LE 2.1

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

EFB / EFD / LE 2.1

EFB/LE 4.3

EFB/LE 4.3

EFB/ LE 2.1

EFA/ EFB/ LE 4.3

EFD/LE 1.3

EFA/ LE 2.1

EFD/ LE 2.6

EFD/LE 1.3

EFA/LE 2.1

19100 19200 19300 19400 19500 19600 19700 19800 19900 20000

EFA/LE 2.1

EFA/LE 2.1

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

EFD/LE 2.6

EFE/LE 1.3

EFA/EFB/LE 4.3

EFD/LE 2.6

EFB/LE 4.3

EFB/LE 4.3

EFG

Anti reflective fencing

EFH/ LE 6.1

EFA/LE 2.1

EFA/LE 2.1

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 soil bund, slackening of slope or disposal of excess site material
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
Proposed shrub - ecological mitigation
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

Rev.	Date	Description	By	Eng' Ch'k	Disc' Ch'k	App'd
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
Revision: P08
Section | Type | ID | Direction | Type | Role | Number
M2F
PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

EFA / LE 4.4

EFD / LE 1.3

EFB / LE 4.3

EFB / LE 4.3

EFD / LE 1.3

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

EFA / LE 2.1

EFB / EFD / LE 1.3

Return land to Agriculture

EFA/ EFB / LE 4.3

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
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 soil bund, slackening of slope or disposal of excess site material
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
Proposed shrub - ecological mitigation
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

Rev.	Date	Description	By	Eng' Ch'k	Disc' Ch'k	App'd
8	02.02.2021	Amendments to mitigation strategy	NB	AW	AW	
7	29.08.2019	Update to Key	GH	AW	NM	
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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: M2F | Type | Role | Number

Revision: P08

PW Stage Code

DO NOT SCALE

Millimetres 0 10 100

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
20700
21000
21100
21200
21300
21400
21500
21600
21700
Bund 14
Anti reflective fencing
EFA / LE 4.4
EFD/ LE 1.3
Permanent Boundary added to include mast relocation
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
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 soil bund, slackening of slope or disposal of excess site material
Existing hedgerow to be retained
Proposed hedgerow - by agreement
Proposed conservation grassland
Proposed Permanent Highway Boundary
Noise barrier
Essential mitigation - earth bund
Proposed shrub - ecological mitigation
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

Rev.	Date	Description	By	Eng' Ch'k	Disc' Ch'k	App'd
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 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 M2F | Type | Role | Number

Revision: P08

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)

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LE 2.7 - Scattered Trees
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LE 4.4 - Native Hedgerows with Trees
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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 shrub - ecological mitigation
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

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 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: M2F
Section | Type | ID | Direction | Type | Role | Number

Revision: P08
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

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
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EFG - Auditory Amenity
EFH - Water Quality

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

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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 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

N

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Existing waterbodies

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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 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: P08
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
LE 1.3 - Species Rich (or Conservation) grassland
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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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Existing habitats to be retained
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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 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: 6.2
Section | Type | ID | Direction | Type | Role | Number: M2F

Revision: P08
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
LE.1.3	Species Rich (or Conservation) grassland
LE.1.3	Species Rich (or Conservation) grassland Arable Field Margins
LE.1.3	Species Rich (or Conservation) grassland Ancient Woodland - understory
LE.1.3	Species Rich (or Conservation) grassland verges / junctions
LE.6.3	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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8	02.02.2021	Amendments to mitigation strategy	NB	AW	AW	
7	29.08.2019	Update to Key	GH	AW	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 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 | Section | Type | ID M2F | Direction | Type | Role | Number

Revision: P08

PW Stage Code

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A1inNorthumberland@highwaysengland.co.uk
or call **0300 470 4580***.