

Legend

- Proposed Scheme
- SuDS Detention Basin (Green)
- SuDS Retention Pond / Wetland (Blue)
- Existing Contours (5m Intervals)
- Existing Vegetation to be retained (inside Boundaries of the Site)
- Draft Boundaries of the Site (DFB)

Landscape and Ecological Mitigation Proposals

- Mixed Woodland (MW)
- Riparian Woodland (RW)
- Scrub (SW)
- Shrub (SHW)
- Broadleaved Woodland (BW)
- Feathered / Heavy Standard Tree
- Hedgerow
- Species Rich Grassland Mix
- Species Rich Visibility Splay Mix
- Species Rich Central Reserve Herbaceous Mix (EF Codes: EFB, EFE)
- Anticipated Rock Cut
- Wet Grassland Mix
- Native Marginal Planting
- Potential Return to Agriculture
- Mammal Fencing
- Wattle Screen Fence
- Dry Mammal Underpass
- Bat (B), Squirrel (S) and Pine Marten (PM) Mitigation Area (woodland to be retained) for provision of boxes
- Proposed Noise Mitigation Barrier

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
P03	MAY 2025	For stage approval	AF	KP	GK	EM
P02	MAR 2025	For review and comment	AF	KP	GK	EM
P01	DEC 2024	For review and comment	AF	KP	GK	EM

Designer: **JACOBS**

Client: **TRANSPORT SCOTLAND**
COMHAIL ALBA

Project: **A9 DUALLING**
PASS OF BIRNAM TO TAY CROSSING

Drawing title
PASS OF BIRNAM TO TAY CROSSING
LANDSCAPE AND ECOLOGICAL
MITIGATION PROPOSALS
FIGURE 10.6A Sheet 1 of 8

Drawing status: **S4 - ISSUED FOR STAGE APPROVAL**

State	Preliminary	DO NOT SCALE
Scale	1:5000	Rev
Jacobs No.	B2140002	P03
Client no.	TS/MTRIPS/SER/2013/03	
Drawing number	PIN Originator Volume	
	A9P02 - JAC - ELS -	
	Location Type Role Number	
	Z_ZZZZZ_EM -DR - LA - 1002	

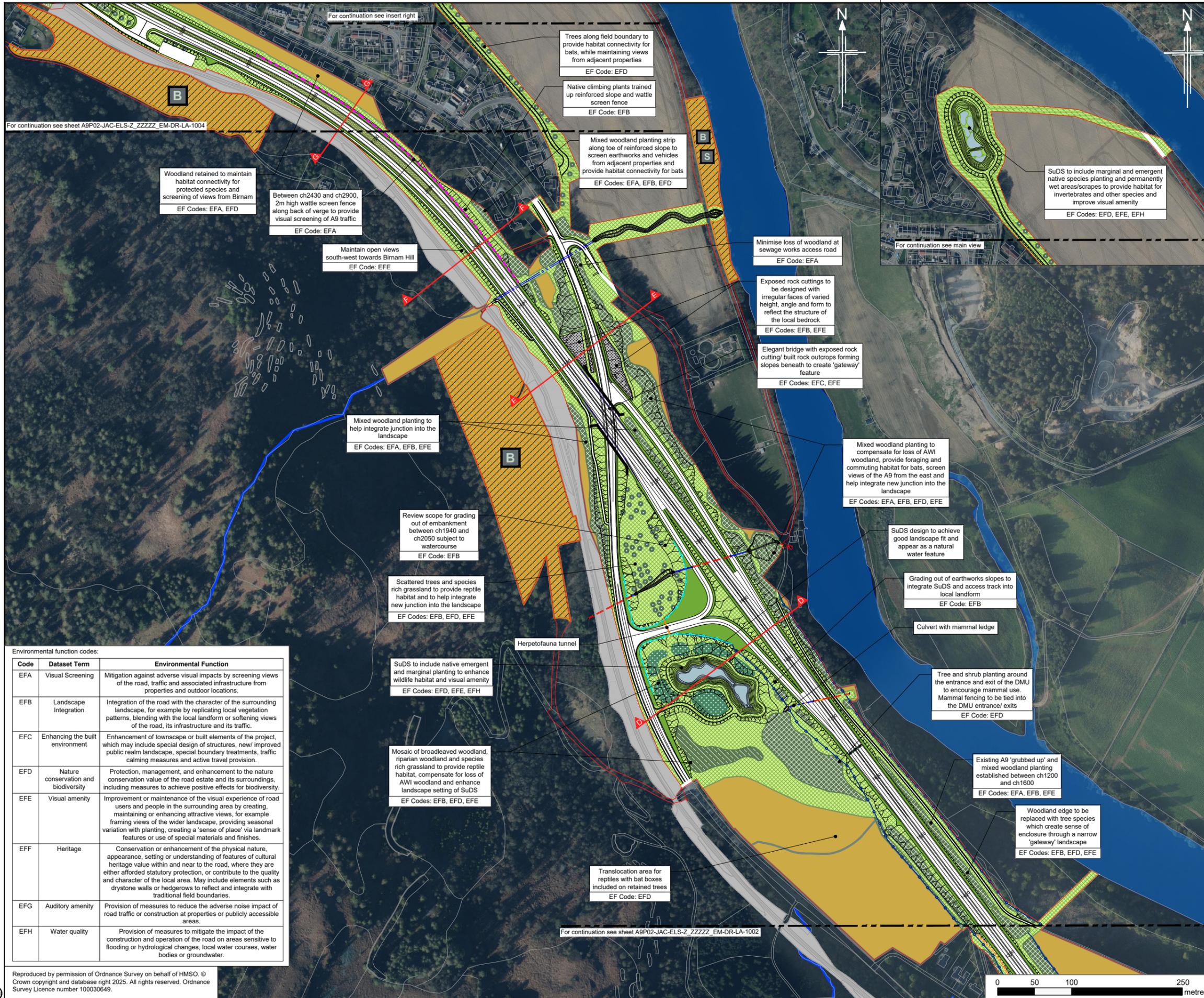
Environmental function codes:

Code	Dataset Term	Environmental Function
EFA	Visual Screening	Mitigation against adverse visual impacts by screening views of the road, traffic and associated infrastructure from properties and outdoor locations.
EFB	Landscape Integration	Integration of the road with the character of the surrounding landscape, for example by replicating local vegetation patterns, blending with the local landform or softening views of the road, its infrastructure and its traffic.
EFC	Enhancing the built environment	Enhancement of townscape or built elements of the project, which may include special design of structures, new/improved public realm landscape, special boundary treatments, traffic calming measures and active travel provision.
EFD	Nature conservation and biodiversity	Protection, management, and enhancement to the nature conservation value of the road estate and its surroundings, including measures to achieve positive effects for biodiversity.
EFE	Visual amenity	Improvement or maintenance of the visual experience of road users and people in the surrounding area by creating, maintaining or enhancing attractive views, for example framing views of the wider landscape, providing seasonal variation with planting, creating a 'sense of place' via landmark features or use of special materials and finishes.
EFF	Heritage	Conservation or enhancement of the physical nature, appearance, setting or understanding of features of cultural heritage value within and near to the road, where they are either afforded statutory protection, or contribute to the quality and character of the local area. May include elements such as drystone walls or hedgerows to reflect and integrate with traditional field boundaries.
EFG	Auditory amenity	Provision of measures to reduce the adverse noise impact of road traffic or construction at properties or publicly accessible areas.
EFH	Water quality	Provision of measures to mitigate the impact of the construction and operation of the road on areas sensitive to flooding or hydrological changes, local water courses, water bodies or groundwater.

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Legend

- Proposed Scheme
- SuDS Detention Basin (Green)
- SuDS Retention Pond / Wetland (Blue)
- Existing Contours (5m Intervals)
- Existing Vegetation to be retained (inside boundaries of the site)
- Draft Boundaries of the Site (DF8)

Landscape and Ecological Mitigation Proposals

- Mixed Woodland (MW)
- Riparian Woodland (RW)
- Scrub (SW)
- Broadleaved Woodland (BW)
- Feathered / Heavy Standard Tree
- Hedgerow
- Species Rich Grassland Mix
- Species Rich Visibility Splay Mix
- Species Rich Central Reserve Herbaceous Mix (EF Codes: EFB, EFE)
- Anticipated Rock Cut
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- Native Marginal Planting
- Potential Return to Agriculture
- Mammal Fencing
- Reptile Fencing
- Wattle Screen Fence
- Dry Mammal Underpass
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- Proposed Noise Mitigation Barrier

P03	MAY 2025	For stage approval	AF	KP	GK	EM
P02	MAR 2025	For review and comment	AF	KP	GK	EM
P01	DEC 2024	For review and comment	AF	KP	GK	EM
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Designer: **Jacobs**

Client: **TRANSPORT SCOTLAND**
COMHDHAIL ALBA

Project: **A9 DUALLING**
PASS OF BIRNAM TO TAY CROSSING

Drawing title: **PASS OF BIRNAM TO TAY CROSSING LANDSCAPE AND ECOLOGICAL MITIGATION PROPOSALS**
FIGURE 10.6B Sheet 2 of 8

Drawing status: **S4 - ISSUED FOR STAGE APPROVAL**

State	Preliminary	DO NOT SCALE
Scale	1:5000	
Jacobs No.	B2140002	Rev P03
Client no.	TS/MTRIPS/SER/2013/03	

Drawing number: PIN | Originator | Volume
A9P02 | JAC | ELS
Location | Type | Role | Number
Z_ZZZZ_EM | -DR-LA-1003

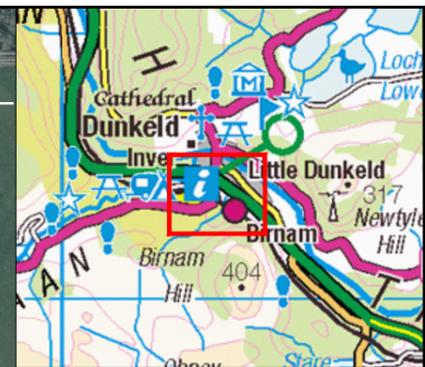
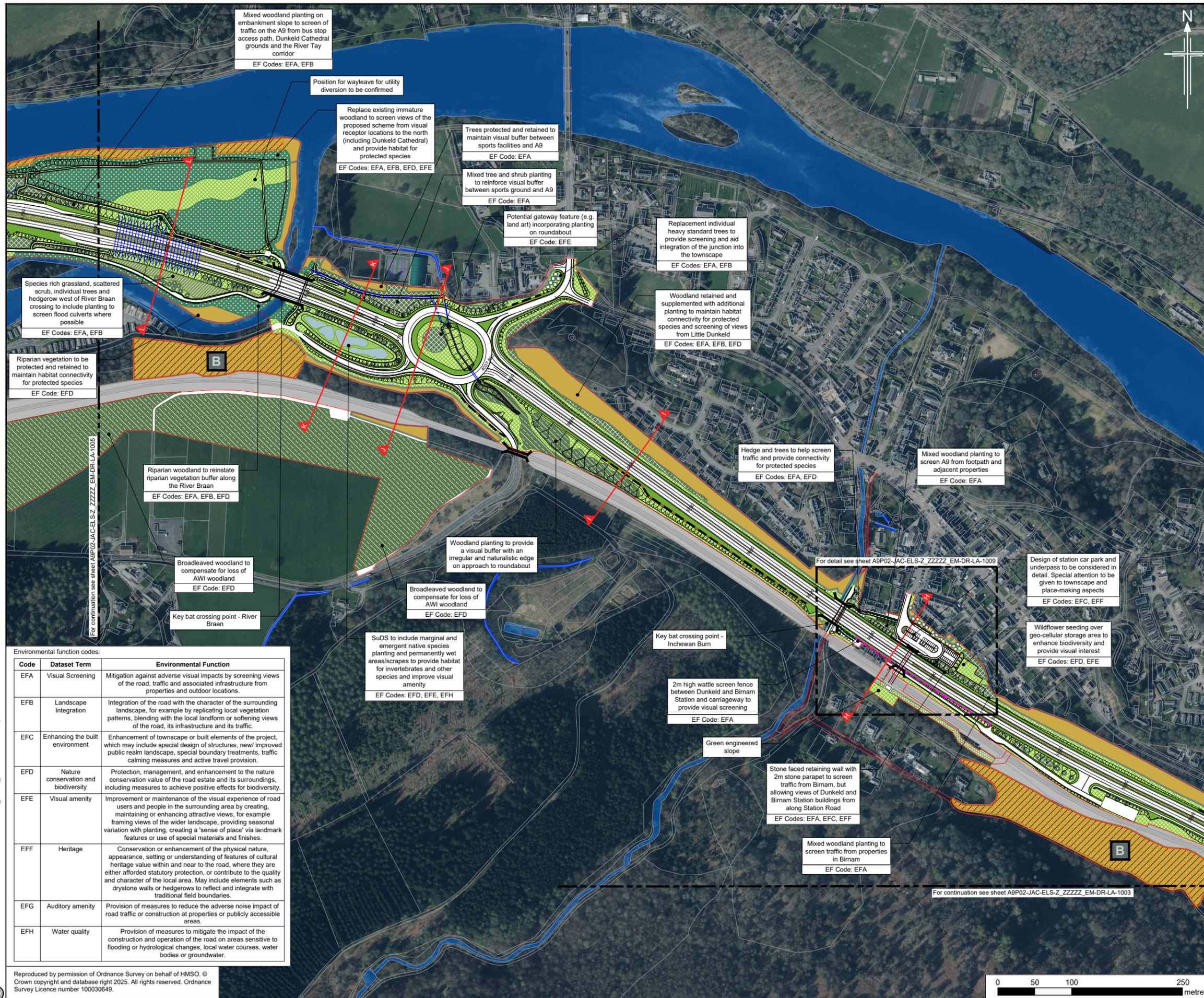
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EFG	Auditory amenity	Provision of measures to reduce the adverse noise impact of road traffic or construction at properties or publicly accessible areas.
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Legend

- Proposed Scheme
- SuDS Detention Basin (Green)
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- Existing Contours (5m Intervals)
- Existing Vegetation to be retained (inside Boundaries of the Site)
- Draft Boundaries of the Site (DFB)

Landscape and Ecological Mitigation Proposals

- Mixed Woodland (MW)
- Riparian Woodland (RW)
- Scrub (SW)
- Shrub (SHW)
- Broadleaved Woodland (BW)
- Feathered / Heavy Standard Tree
- Hedgerow
- Species Rich Grassland Mix
- Species Rich Visibility Splay Mix
- Species Rich Central Reserve Herbaceous Mix (EF Codes: EFB, EFE)
- Anticipated Rock Cut
- Wet Grassland Mix
- Native Marginal Planting
- Potential Return to Agriculture
- Mammal Fencing
- Wattle Screen Fence
- Dry Mammal Underpass
- Bat (B), Squirrel (S) and Pine Marten (PM) Mitigation Area (woodland to be retained) for provision of boxes
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Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P03	MAY 2025	For stage approval	AF	KP	GK	EM
P02	MAR 2025	For review and comment	AF	KP	GK	EM
P01	DEC 2024	For review and comment	AF	KP	GK	EM

Designer: **JACOBS**

Client: **TRANSPORT SCOTLAND**
COMHAIL ALBA

Project: **A9 DUALLING**
PASS OF BIRNAM TO TAY CROSSING

PASS OF BIRNAM TO TAY CROSSING LANDSCAPE AND ECOLOGICAL MITIGATION PROPOSALS
FIGURE 10.6C Sheet 3 of 8

Drawing status: **S4 - ISSUED FOR STAGE APPROVAL**

State	Preliminary	DO NOT SCALE
Scale	1:5000	Rev
Jacobs No.	B2140002	P03
Client no.	TS/MTRIPS/SER/2013/03	
Drawing number	PIN Originator Volume	
	A9P02 JAC ELS	
	Location Type Role Number	
	Z_ZZZZ_EM -DR-LA-1004	

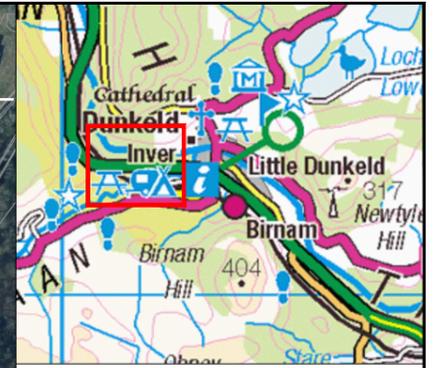
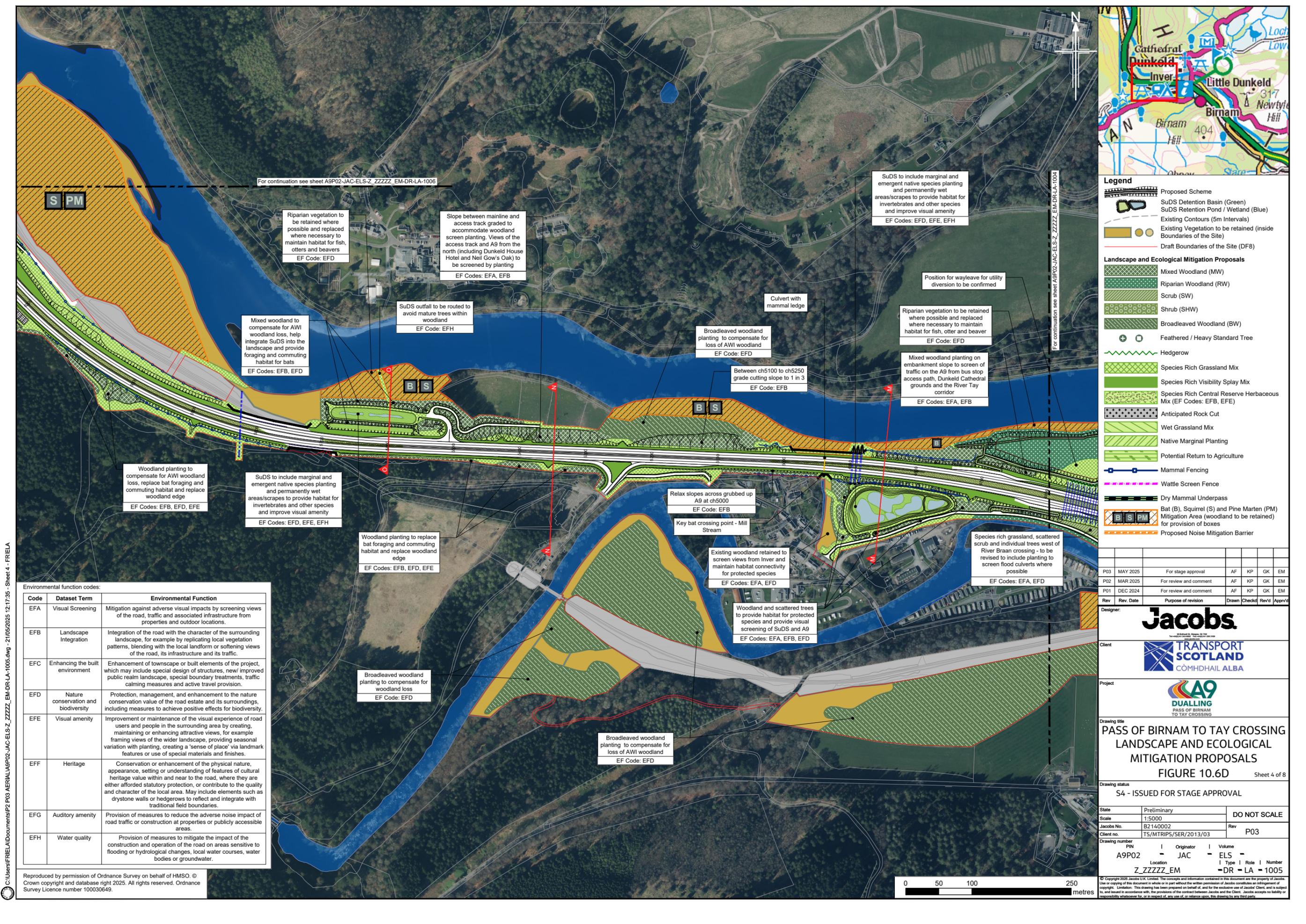
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Legend

- Proposed Scheme
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- Existing Vegetation to be retained (inside Boundaries of the Site)
- Draft Boundaries of the Site (DFB)

Landscape and Ecological Mitigation Proposals

- Mixed Woodland (MW)
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- Species Rich Visibility Splay Mix
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- Native Marginal Planting
- Potential Return to Agriculture
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Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P03	MAY 2025	For stage approval	AF	KP	GK	EM
P02	MAR 2025	For review and comment	AF	KP	GK	EM
P01	DEC 2024	For review and comment	AF	KP	GK	EM

Designer: **Jacobs**

Client: **TRANSPORT SCOTLAND**
COMHAIL ALBA

Project: **A9 DUALLING**
PASS OF BIRNAM TO TAY CROSSING

Drawing title: **PASS OF BIRNAM TO TAY CROSSING LANDSCAPE AND ECOLOGICAL MITIGATION PROPOSALS**
FIGURE 10.6D Sheet 4 of 8

Drawing status: **S4 - ISSUED FOR STAGE APPROVAL**

State	Preliminary	DO NOT SCALE
Scale	1:5000	Rev P03
Jacobs No.	B2140002	
Client no.	TS/MTRIPS/SER/2013/03	

Drawing number	PIN	Originator	Volume
A9P02	JAC	ELS	
	Location	Type	Role
	Z_ZZZZ_EM	DR	LA
			1005

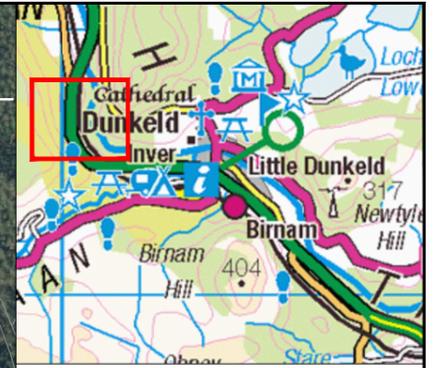
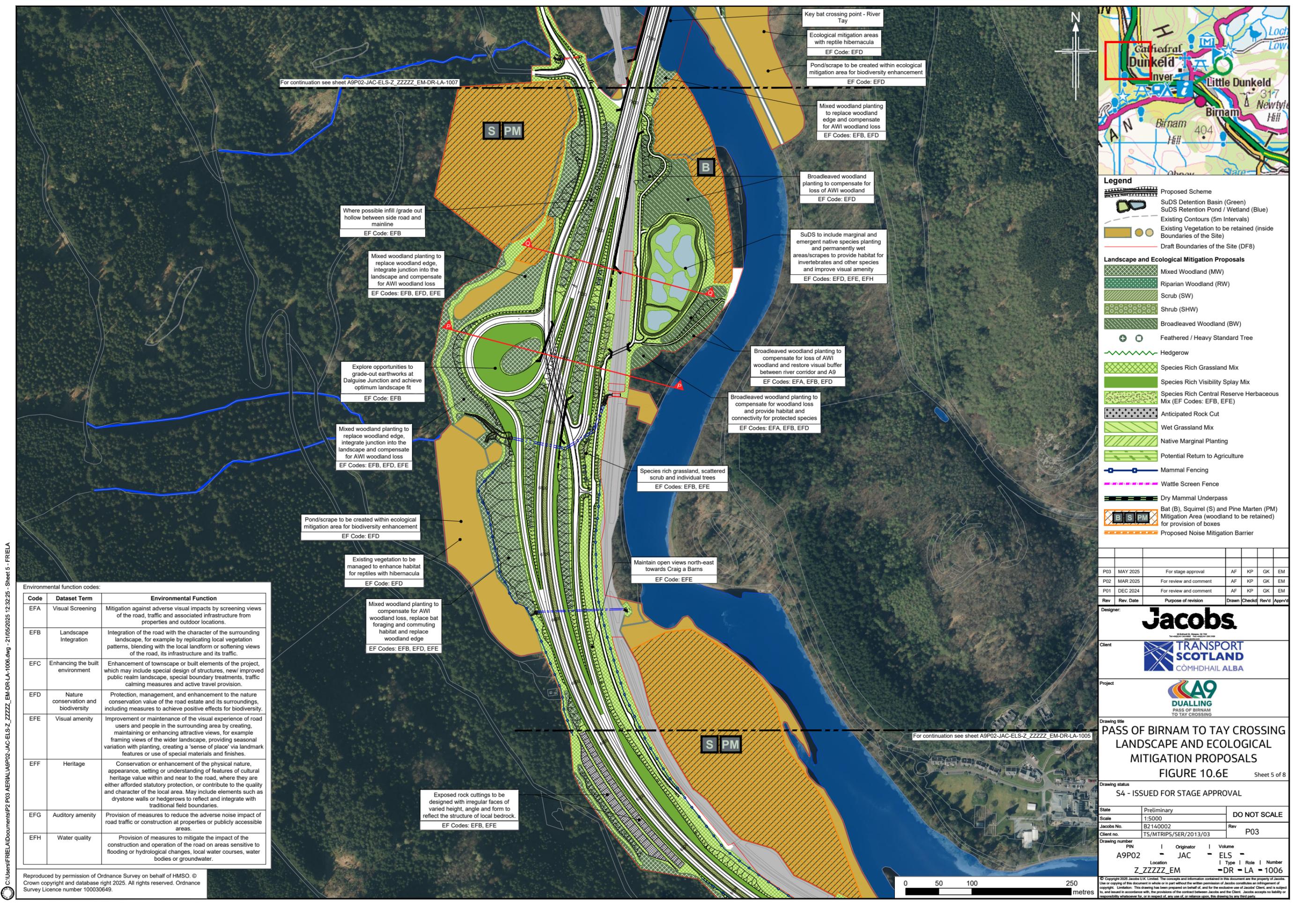
Environmental function codes:

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Legend

- Proposed Scheme
- SuDS Detention Basin (Green)
- SuDS Retention Pond / Wetland (Blue)
- Existing Contours (5m Intervals)
- Existing Vegetation to be retained (inside Boundaries of the Site)
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Landscape and Ecological Mitigation Proposals

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- Native Marginal Planting
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P03	MAY 2025	For stage approval	AF	KP	GK	EM
P02	MAR 2025	For review and comment	AF	KP	GK	EM
P01	DEC 2024	For review and comment	AF	KP	GK	EM
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Designer: **Jacobs**

Client: **TRANSPORT SCOTLAND**
COMHDHAIL ALBA

Project: **A9 DUALLING**
PASS OF BIRNAM TO TAY CROSSING

Drawing title
**PASS OF BIRNAM TO TAY CROSSING
LANDSCAPE AND ECOLOGICAL
MITIGATION PROPOSALS**
FIGURE 10.6E Sheet 5 of 8

Drawing status
S4 - ISSUED FOR STAGE APPROVAL

State	Preliminary	DO NOT SCALE
Scale	1:5000	Rev
Jacobs No.	B2140002	P03
Client no.	TS/MTRIPS/SER/2013/03	
Drawing number		
PIN	I	Originator
A9P02	JAC	ELS
Location		Type Role Number
Z_ZZZZ_EM		-DR - LA - 1006

Environmental function codes:

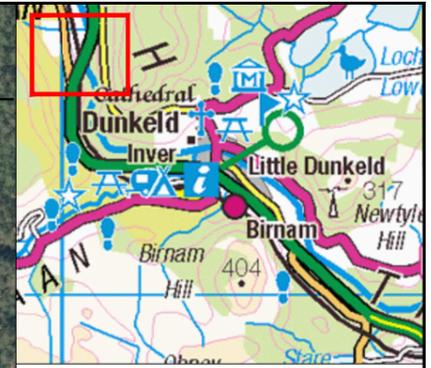
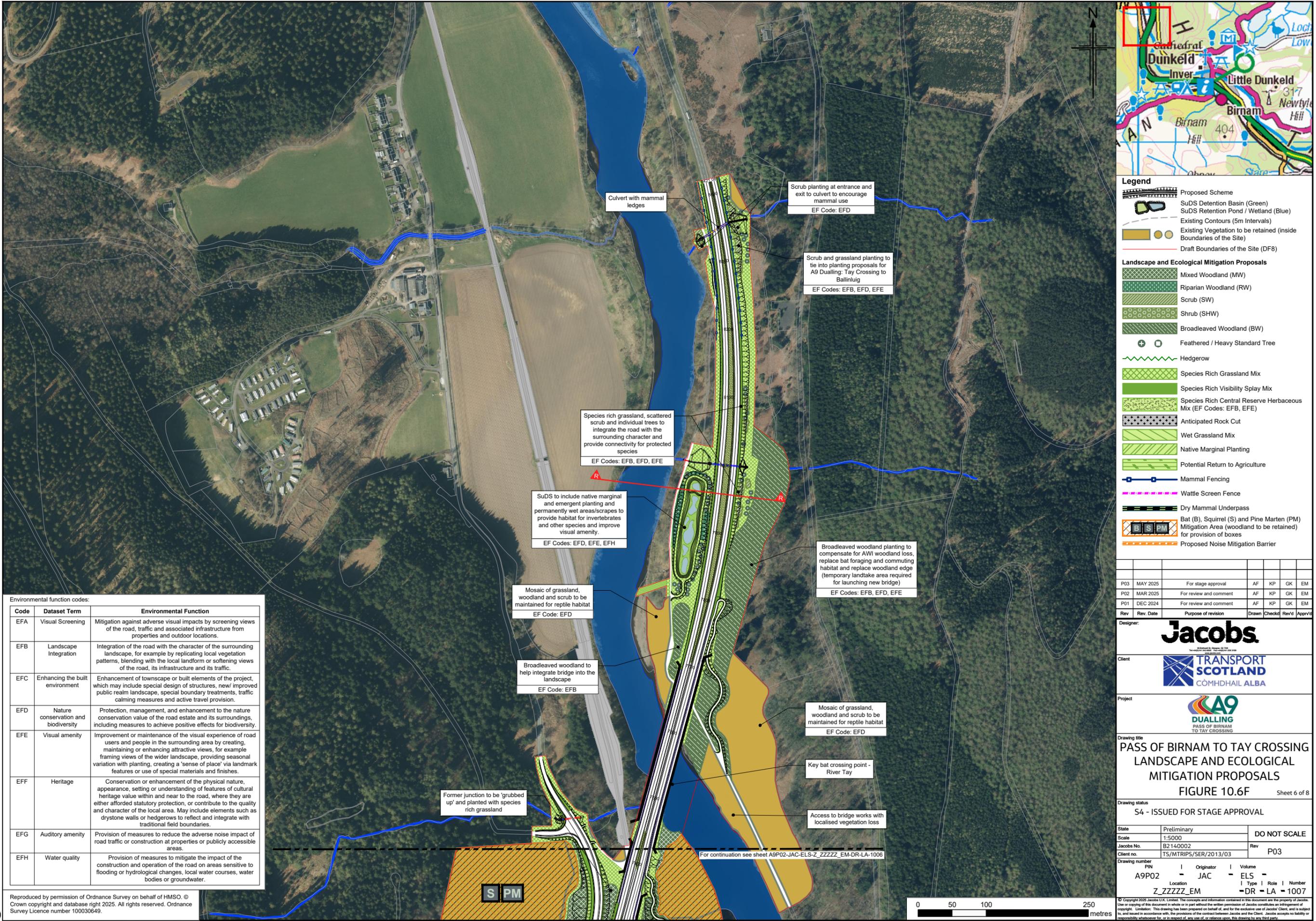
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Legend

- Proposed Scheme
- SuDS Detention Basin (Green)
- SuDS Retention Pond / Wetland (Blue)
- Existing Contours (5m Intervals)
- Existing Vegetation to be retained (inside Boundaries of the Site)
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Landscape and Ecological Mitigation Proposals

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Environmental function codes:

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P01	DEC 2024	For review and comment	AF	KP	GK	EM

Designer: **Jacobs**

Client: **TRANSPORT SCOTLAND**
COMHDHAIL ALBA

Project: **A9 DUALLING**
PASS OF BIRNAM TO TAY CROSSING

Drawing title
**PASS OF BIRNAM TO TAY CROSSING
LANDSCAPE AND ECOLOGICAL
MITIGATION PROPOSALS**
FIGURE 10.6F Sheet 6 of 8

Drawing status
S4 - ISSUED FOR STAGE APPROVAL

State	Preliminary	DO NOT SCALE
Scale	1:5000	
Jacobs No.	B2140002	Rev P03
Client no.	TS/MTRIP5/SER/2013/03	
Drawing number	PIN Originator Volume A9P02 - JAC - ELS - Location Type Role Number Z_ZZZZ_EM - DR - LA - 1007	

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SHOWN AT 1:50000 SCALE
0 500 1000 2500 metres



Legend

- Proposed Scheme
- SuDS Detention Basin (Green)
- SuDS Retention Pond / Wetland (Blue)
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- Existing Vegetation to be retained (inside Boundaries of the Site)
- Draft Boundaries of the Site (DFB)

Landscape and Ecological Mitigation Proposals

- Mixed Woodland (MW)
- Riparian Woodland (RW)
- Scrub (SW)
- Shrub (SHW)
- Broadleaved Woodland (BW)
- Feathered / Heavy Standard Tree
- Hedgerow
- Species Rich Grassland Mix
- Species Rich Visibility Splay Mix
- Species Rich Central Reserve Herbaceous Mix (EF Codes: EFB, EFE)
- Anticipated Rock Cut
- Wet Grassland Mix
- Native Marginal Planting
- Potential Return to Agriculture
- Mammal Fencing
- Wattle Screen Fence
- Dry Mammal Underpass
- Bat (B), Squirrel (S) and Pine Marten (PM) Mitigation Area (woodland to be retained) for provision of boxes
- Proposed Noise Mitigation Barrier

P02	MAY 2025	For stage approval	AF	KP	GK	EM
P01	MAR 2025	For review and comment	AF	KP	GK	EM
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Designer: **Jacobs**

Client: **TRANSPORT SCOTLAND**
COMHDAHAIL ALBA

Project: **KA9 DUALLING**
PASS OF BIRNAM TO TAY CROSSING

Drawing title: **PASS OF BIRNAM TO TAY CROSSING LANDSCAPE AND ECOLOGICAL MITIGATION PROPOSALS**
FIGURE 10.6G Sheet 7 of 8

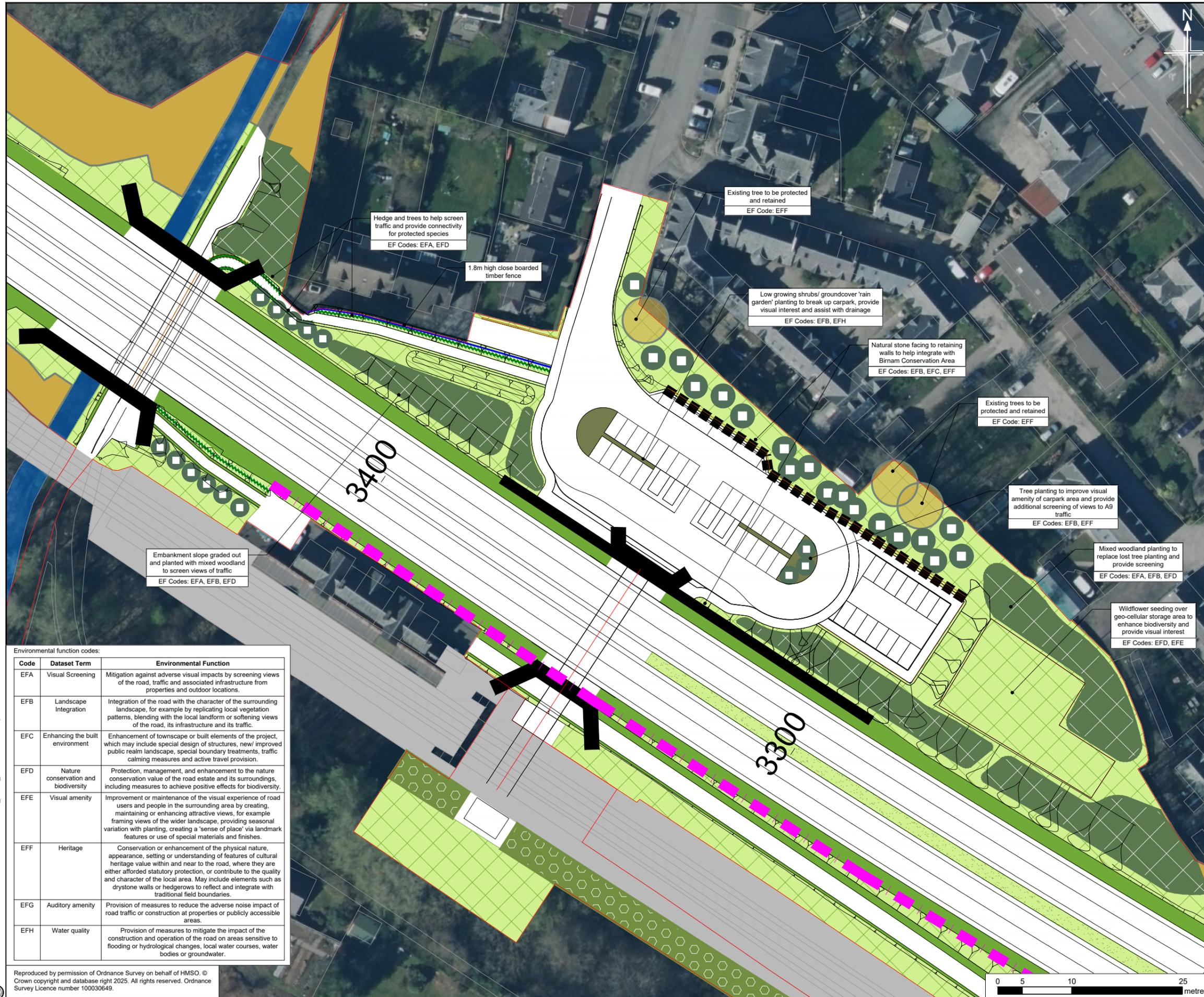
Drawing status: **S4 - ISSUED FOR STAGE APPROVAL**

State	Preliminary	DO NOT SCALE
Scale	VARIOUS	Rev
Jacobs No.	B2140002	P02
Client no.	TS/MTRIPS/SER/2013/03	
Drawing number	PIN Originator Volume	
	A9P02 - JAC - ELS -	
	Location Type Role Number	
	Z_ZZZZZ_EM -DR - LA - 1008	

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SHOWN AT 1:5000 SCALE
0 50 100 250 metres



Legend

- Proposed Scheme
- SUDS Detention Basin (Green)
- SUDS Retention Pond / Wetland (Blue)
- Existing Contours (5m Intervals)
- Existing Vegetation to be retained (inside Boundaries of the Site)
- Draft Boundaries of the Site (DFB)

Landscape and Ecological Mitigation Proposals

- Mixed Woodland (MW)
- Riparian Woodland (RW)
- Scrub (SW)
- Shrub (SHW)
- Broadleaved Woodland (BW)
- Feathered / Heavy Standard Tree
- Hedgerow
- Species Rich Grassland Mix
- Species Rich Visibility Splay Mix
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P02	MAY 2025	For stage approval	AF	KP	GK	EM
P01	MAR 2025	For review and comment	AF	KP	GK	EM
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Designer: **Jacobs**

Client: **TRANSPORT SCOTLAND**
COMHAIL ALBA

Project: **A9 DUALLING**
PASS OF BIRNAM TO TAY CROSSING

Drawing title: **PASS OF BIRNAM TO TAY CROSSING LANDSCAPE AND ECOLOGICAL MITIGATION PROPOSALS**
FIGURE 10.6H Sheet 8 of 8

Drawing status: **S4 - ISSUED FOR STAGE APPROVAL**

State	Preliminary	DO NOT SCALE
Scale	AS SHOWN	Rev
Jacobs No.	B2140002	P02
Client no.	TS/MTRIPS/SER/2013/03	

Drawing number	PIN	Originator	Volume
A9P02	JAC	ELS	
Location	Type	Role	Number
Z_ZZZZZ_EM	DR	LA	1009

Environmental function codes:

Code	Dataset Term	Environmental Function
EFA	Visual Screening	Mitigation against adverse visual impacts by screening views of the road, traffic and associated infrastructure from properties and outdoor locations.
EFB	Landscape Integration	Integration of the road with the character of the surrounding landscape, for example by replicating local vegetation patterns, blending with the local landform or softening views of the road, its infrastructure and its traffic.
EFC	Enhancing the built environment	Enhancement of townscape or built elements of the project, which may include special design of structures, new/improved public realm landscape, special boundary treatments, traffic calming measures and active travel provision.
EFD	Nature conservation and biodiversity	Protection, management, and enhancement to the nature conservation value of the road estate and its surroundings, including measures to achieve positive effects for biodiversity.
EFE	Visual amenity	Improvement or maintenance of the visual experience of road users and people in the surrounding area by creating, maintaining or enhancing attractive views, for example framing views of the wider landscape, providing seasonal variation with planting, creating a 'sense of place' via landmark features or use of special materials and finishes.
EFF	Heritage	Conservation or enhancement of the physical nature, appearance, setting or understanding of features of cultural heritage value within and near to the road, where they are either afforded statutory protection, or contribute to the quality and character of the local area. May include elements such as drystone walls or hedgerows to reflect and integrate with traditional field boundaries.
EFG	Auditory amenity	Provision of measures to reduce the adverse noise impact of road traffic or construction at properties or publicly accessible areas.
EFH	Water quality	Provision of measures to mitigate the impact of the construction and operation of the road on areas sensitive to flooding or hydrological changes, local water courses, water bodies or groundwater.

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